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## A Wing Commander Role-Playing Game mini-campaign

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Written in honor of the Fifteenth Anniversary of the Founding of the Wing Commander Combat Information Center Website

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Portions of this document have been derived from the regs for The Edge of Chaos, A Wing Commander RPG, originally created by Mark Shotwell. A fair use document is available with the regulations for this game and is available for view on TEOC's official website at http://www.wcrpg.com.

WARNING: This rulebook consists of $100 \%$ matter. Any incidental contact of this book with antimatter in any form will result in a catastrophic explosion.

All of the contents included in this game will exert an equal but opposite force to any force applied to said contents. This phenomenon is not unique to this game.

The entire physical universe, including this book and its contents, could very well collapse back into an infinitesimally small space with little or no advance warning. Should a new universe re-emerge, the existence of this rulebook in that universe cannot be guaranteed.
Any reference to any life-form living, dead, or non-existent may or may not be coincidental and is probably intentional.

This campaign is dedicated to the memory of Paul Steed.


## inEzODUCZiOn

This is "Vespus", a miniature campaign for the Wing Commander Role-Playing Game.
Wing Commander is an award-winning and ground-breaking series of space combat flight simulators, originally created by Chris Roberts and Origin Systems, Inc. Starting with the original game in 1990 and ending with Wing Commander: Secret Ops in 1998 (later followed in 2007 with Wing Commander: Arena), the series has developed a large following throughout the years from all types of gamers. The series is known for a number of firsts, including some of the first examples of voice acting in the video game industry (WC2), the world's first fully interactive movie (WC3), one of the very first games that could be played over a network (WC: Armada), and one of the first "episodic" video games ever created (WC: Secret Ops).

The Wing Commander series is set in the $27^{\text {th }}$ century and chronicles the struggles of the Terran Confederation, a starfaring human society, in their epic struggle and ultimate victory against the forces of the Kilrathi Empire, a cat-like species with a warrior-based culture. After a brief inter-human conflict later in the series, a new conflict heats up against a new, powerful foe known only as the Nephilim.

The book you're reading is a pencil-and-paper (PNP) role-playing game adaptation of these original games. The rules contained herein have been designed to be as flexible as possible, so that players may be as detailed or as carefree as they'd like to be while playing the game. They've also been designed such that players may play a game very similar to the original games, or have a much different type of adventure within the Wing Commander Universe.

To play the Wing Commander Role-Playing Game (WCRPG), you'll need the following equipment:

- At least two ten-sided dice (2d10) for each player. One of these should show multiples of 10 (a $\mathrm{d} 10 \times 10$ ). If one is not available, the dice should be distinguishable from one another with one of them designated as the " $\mathrm{d} 10 \times 10$ ".
- Pencil and paper. Pencil is preferable to pen, as it is far easier to erase and modify.
- Some kind of screen for the "gamemaster" (GM) used to conceal the results of some of their rolls.
- Access to at least one copy of these rules.
- While not strictly necessary, some GMs may prefer to have a calculator handy in order to help with more complex calculations.


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WCRPG is based on a $\mathbf{d} \%$ type dice-rolling system. All crucial rolls in the game are made on two tensided dice, with one of them designated as "1d10x10" (a "tens-place" die). Valid results on a d\% roll therefore range from zero to ninety-nine. Specifically, when a situation comes up wherein a character's failure may affect the outcome of the game, a die roll is required against a certain failure threshold, known as a difficulty class (DC) (or hit difficulty (HD) in combat situations). These die rolls are known as Checks. The DC for all Checks equals the character's score in the Attribute, Skill, Specialization or Save being checked (usually a combination of one or more of these). Other attributes of the character (such as Traits) may modify the result of the roll. If the final result is lower than or equal to the DC, the action succeeds. If not, it fails. The amount by which a roll falls short of the DC is its degree of success; conversely, the amount by which a roll exceeds the DC is its degree of failure. These simple rules govern all die rolls necessary to play the game.

WCRPG commonly uses variants on the standard $\mathrm{d} \%$ roll. The most common variants are as follows:

- xd10: This indicates a roll of x ten-sided dice, where x is a set number (for example, a roll calling for 3 d 10 needs three ten-sided dice). The player rolls the indicated number of dice and sums up the result. NOTE: There is a distinction between 2 d 10 and $\mathrm{d} \% ; 2 \mathrm{~d} 10$ is an xd 10 roll. Be careful not to confuse the two.
- xd5: This is similar to an xd 10 roll, except that the ten-sided dice are treated as five-sided dice. To achieve this effect, take the result of an individual die, halve it, and round up (for example, a result of 7 becomes a result of 4). Zeroes count as 10 (a final result of 5) in this case.
- $x d 2$ : $x d 2$ rolls are rare in the game, but sometimes occur. Roll the indicated number of tensided dice; treat all odd results as 1 and all even results as 2 , and sum up the result as with an xd 10 roll.

For rolls of $\mathrm{d} \%$ or $\mathrm{xd10}$, a result of 0 on a die counts as a zero (not 10) unless the situation specifically states otherwise. For example, the die results of a $3 d 10$ roll are 2,5, and 0 . The result of the roll is 7 , not 17 .

Sometimes a player may roll exceptionally well (or exceptionally poorly) on the dice. Certain die rolls have what's known as critical potential. Critical potential awards or punishes die results above or below certain critical thresholds. Low results may indicate a critical success, denoting a particularly good outcome. In combat, a critical success is more commonly known as a critical hit. A character's critical success threshold equals zero plus one for every ten points in the given Skill Check DC; a roll of 00 is always a critical success. Conversely, very high rolls may result in critical failure (known as a critical miss in combat); critical failures often have very nasty effects. A character's critical failure threshold is 90 plus one for every ten points in the given Skill Check DC; a roll of 99 is always a critical failure. Only certain rolls have critical potential; some have outcomes for critical success only, some for critical failure only, and some for both critical success and critical failure. A roll that has critical potential will be noted in the rules, along with the effects of critical results. A critical result occurs if the player's roll falls within the bounds of a critical threshold regardless of whether or not the player would have otherwise succeeded against the Check's DC.

## Cr-LZACLERS

Players don't necessarily have to play themselves when playing WCRPG (there are no Kilrathi on Earth at the moment - thank God - and even if there were, Terrans aren't the best species for everything!). Rather, they assume the role of a character, an alter ego through which a player plays the game. Each player is required to create at least one character, though they may create (and play) as many characters as they wish. The features of characters should be noted somewhere, either on a copy of a Character Record Sheet as provided with this set of rules or on a regular piece of notebook

## Disciplines and Attributes

Not all people are alike: some possess great physical strength, some possess great intellect, some are fortunate enough to possess both, while some possess neither. People also have differing sets of skills: some are good at fixing vehicles, some at bookkeeping, others at care-giving, and so forth. Just as no two people are alike, no two characters in WCRPG are exactly alike (in theory at least): some will be good pilots, some good doctors, others good politicians or good snipers. In order to tell how good they are at doing specific tasks, each character has a set of characteristics, which affects their basic combat statistics and is affected by their Skill scores. In WCRPG, there are two main categories of characteristics, Disciplines and Attributes. Attributes and Disciplines are qualities that all characters possess which help dictate how well they perform certain actions. The DC of almost every die roll in WCRPG that involves a character will be at least indirectly determined by at least one of their characteristics.

All characters in WCRPG have seven Discipline scores. These scores reflect the character's ability to perform specific tasks and their aptitude in certain fields. A character's strength in their Disciplines at the onset of the game is somewhat determined by the species to which they belong. Each Discipline has five Discipline Skills; the scores of the Discipline Skills are summed together to directly determine the score of their controlling Discipline (this is different from most RPGs). The seven disciplines in WCRPG are Command (CMD), Science (SCI), Navigation (NAV), Tactical (TAC), Engineering (ENG), Communications (COM) and Medicine (MED):

- Command: Command is a measure of a character's ability to negotiate and to lead others. Its Skills are usually required by those put into leadership positions; it's a useful area of focus for anyone in a leadership position, be they a ship's captain or a civil leader (though the focus of this Discipline tends to be combat-oriented).
- Science: Science is a measure of a character's understanding of how to gather and apply systematic knowledge. This Discipline is primarily needed by science officers and researchers, though it can be useful to any character. All Science Skills focus on a particular set of scientific fields and measure the character's knowledge of those fields. The information that can be obtained through the use of Science Skills is offen of vital importance, whether they are used to determine the military capability of an alien vessel, the gravitational force of a planet, or the severity of the weather.
- Navigation: Navigation is a measure of a character's ability to pilot craft and to get people from one place to another without getting lost and is of primary importance to anyone travelling from place to place. This attribute isn't necessarily limited to those who pilot vehicles; persons attempting to use a map and compass will still need to use their Navigation attribute.
- Tactical: Tactical is a measure of a character's understanding of military tactics and their application. This Discipline is primarily needed by anybody who has to do any shooting from a vehicle (firing a weapon is handled by Security, which is a Command Skill). Tactical is used to improve the performance of varying craft and improving their chances of survival in combat situations.
- Engineering: Engineering is a measure of a character's ability to acquire and apply scientific and technical knowledge to the design, analysis, and/or construction of works for practical purposes. This Discipline is primarily needed by engineering staff, ground crews and mechanics, but can also be used by civilian professionals whose jobs require strong knowledge in construction and maintenance. Characters with high Engineering scores perform faster repairs. One of the Engineering Skills is also necessary for interstellar travel.
- Communications: Communications is a measure of a character's ability to exchange information with others, their ability to utilize proper equipment during that exchange and to understand information exchange applications. Almost any character can make good use of Communications Skills; they enable the character to speak to alien beings, jam enemy transmissions, send distress calls, gather information and negotiate trades. These Skills come in handy in many critical situations.
- Medicine: Medicine is a measure of a character's understanding of the science and "art" of maintaining and/or restoring the health of biological beings through study, diagnosis and treatment. This Discipline is primarily needed by doctors and medical staff, but any character can benefit from Medicine as its two primary Skills (Intensive Care and Long-Term Care) can be used to pull them back from the brink of death.

Characters also have six scores in Attributes. These scores reflect a character's strengths and weaknesses in various physical and mental fields. Players familiar with other RPGs such as $D \& D^{\text {TM }}$ and Serenity ${ }^{\text {TM }}$ will find Attributes familiar. As with Disciplines, a character's score in their Attributes at the onset of the game is somewhat determined by the species to which they belong. Each Attribute has three Attribute Skills. The six Attributes in WCRPG are Power (PWR), Finesse (FIN), Physique (PHY), Intellect (INT), Acumen (ACU) and Charm (CHA):

- Power: Power is a measure of a character's physical strength. It also serves as a limit to the amount and "weight" of equipment a character is capable of carrying (a concept known as encumbrance). Power affects the character's Melee Attack Bonus and is added directly to the damage caused by any melee or thrown weapons.
- Finesse: Finesse measures a character's agility, reflex actions and coordination. Finesse affects several of a character's basic combat statistics, including their HD ratings, their Initiative Bonus, their Ranged Attack Bonus and their Reflex Save DC.
- Physique: Physique represents a character's health, stamina and recuperative abilities. It directly affects the number of HP (hit points; the maximum amount of damage a character can take before they die) that the character has and also directly affects the character's Fortitude Save DC,
- Intellect: Intellect measures a character's ability to learn and reason. It determines the character's raw intelligence and learning rate.
- Acumen: Acumen measures a character's common sense, intuition and willpower. While Intellect is used to analyze information, Acumen is more of a reflection of a character's ability to be in-tune with their surroundings. It directly affects the character's Willpower Save DC.
- Charm: Charm measures a character's force of personality. It is generally used when a character is attempting to influence others.


## Skills

As previously mentioned, there are thirty-five Discipline Skills in WCRPG; five for each Discipline. All characters will have levels (points) in all of these Discipline Skills, even if that level is zero. The sum of the scores of all Discipline Skills and their specializations determines the total "score" of that Discipline, which in turn determines a DC modifier to all Discipline Skills under that Discipline. There are also eighteen Attribute Skills; three for each Attribute. Attribute Skills function exactly like Discipline Skills and for purposes of discussion throughout this rulebook, both Attribute Skills and Discipline Skills will be referred to simply as Skills except where it is absolutely necessary to distinguish between them.

When a character needs to use one of their Skills to get past an obstacle and when there are significant consequences in the event of failure, a Skill Check is required. To perform a Skill Check, a player simply rolls $\mathrm{d} \%$ and compares the result to the score of the character's Skill plus the modifier from its controlling characteristic (one-tenth the total number of points in the characteristic, rounded down); the sum of the Skill score plus the Discipline/Atribute modifier is the DC for the task. The term "Skill Check" also covers situations wherein the character may be able to apply a Skill specialization to the situation. If a specialization applies, its score is added to the final DC; specializations therefore make it far more likely a character will succeed at specific tasks. A character may only apply one specialization to a Skill Check regardless of how many specializations may apply to the situation and it is the GM that selects what specialization is to be used. Occasionally, a player will need to make a die roll against a set of rolls made by the GM. These opposed rolls are used in those cases where they are appropriate to the situation (such as when a target's Dodge roll is rolled in response to a character's Brawling roll in a melee). In these cases, the lower throw wins; these are still considered Skill Checks, even though the Check is not against the normal DC for that Skill.

When a character succeeds at a Skill Check, they may gain experience in the Skill utilized; if the result is at least twenty points less than the DC, not only does the character succeed in the task at hand but they also gain one point in that Skill. Remember, no Skill can ever have a score greater than 25 and no specialization may ever have a score greater than 50.

Characters can also fail Skill Checks by rolling a result that's greater than the indicated DC. How the GM handles failure is entirely up to them but should be appropriate to the situation. The character may or may not be allowed to try again after failing a Skill Check; they should be allowed to try again unless their time is restrained or it's obvious that trying again is impossible. Failing a task wherein the character won't get a second chance may derail an adventure in a hurry, so those situations should be few and far between.

Situations may arise during the course of an adventure wherein the GM does not want the characters to succeed at a certain task (usually for plot reasons). In those situations, the GM has to decide if the task at hand is totally impossible or just nearly so. If the task is utterly impossible, the GM should not have the players roll the Skill Check against it; they may simply act as though the task was attempted and failed. This will, of course, make it obvious to the players that they cannot succeed at the task, which may annoy them. Totally impossible situations should not have penalties for failure. If the task is just nearly impossible, there's still an off-chance the characters will succeed; players should be allowed to roll the Check but the DC should be sure to apply a stronger than normal unfavorable circumstances modifier (discussed below) to it

A GM can add penalties or bonuses to the DC of a Skill Check if they feel that circumstances are either significantly in the character's favor or vice versa (a circumstantial modifier). In these situations, if the GM is having problems deciding how much to raise or lower the DC, they can just use $\pm 10$ as a rule of thumb. Since the players know the DC normally required for success, however, they should
be notified when the GM elects to use a modifier. At their own discretion, a GM may also add a permanent modifier to all Skill Check DCs; this may be a good idea if they note that their players are constantly failing Checks. In this case, it's generally recommended that a modifier of no greater than +20 be used. Hardcore GMs may, of course, choose to subtract an amount from the DC of all Checks in order to make the game more difficult.

In situations wherein a player is confident of success in a situation, they have the option to either take fifty or take zero. Taking fifty is simply a declaration that they player will take the average result of a die roll (a roll result of fifty) without actually rolling. Taking zero, on the other hand, is a declaration that indicates that their character will perform the task until they get it exactly right. Taking zero takes twenty times the normal amount of time required but guarantees success. If a short amount of time is available for the character to complete a task, they may only take fifty.

What follows is a discussion of the individual Skills. Each Skill is listed by its controlling Discipline/Attribute. Each entry will contain a basic overview of the Skill, notes about its intended usage, a list of bonuses a character may receive for having a particularly high score in it, possible and recommended specializations and any other special notes.

## Power Skills

The Power Skills are as follows:

- Three-Dimensional Maneuvers (used for movement along the vertical axis)
- Brawling (used in hand-to-hand combat situations)
- Liffing (used when attempting to lift and carry objects)


## Three-Dimensional Maneuvers (3DM)

This Skill is used in place of most traditional RPG Strength skills (such as Running, Swimming, Climbing, Flying, etc.). It represents how well a character can perform these feats; a character may specialize in any of them. The Three-Dimensional Maneuvers Skill is negatively affected by Armor.

## Brawling (BRW)

This Skill is used when a character is required to perform any hand-to-hand combat; the attack roll for all melee combat is always a Brawling Check. A character may specialize in any form of martial arts or hand-to-hand fighting styles (such as boxing or wrestling). Every ten points added to this Skill adds a +1 modifier to the amount of basic damage caused by a melee or unarmed attack. A successful Check of a specialization of this Skill will add an extra +5 modifier to basic damage.

## Lifting (LFT)

This Skill is used when a character is required to lift an object in situations where they must either hold the object for a substantial length of time or when there is a significant chance of failing to lift it (such as when a character attempts to lift a heavy object). This Skill is typically subject to circumstantial DC adjustments; objects that are heavy, bulky or that must be held for a long time are not circumstantially favorable. A character may specialize in a particular range of weights or in a type of weight (such as a haltere or dumbbell). Every ten points added to this Skill gives a character a - 1 bonus to their total encumbrance class.

## Finesse Skills

The Finesse Skills are as follows:

- Dodge (used to get out of the way of anything that can cause damage)
- Dexterous Maneuvers (used in situations that require agility to succeed)
- Hiding and Seeking (used when attempting to hide something or to seek something out)


## Dodge(DDG)

This Skill is used when a character is required to dodge something (such as something thrown or shot in their direction). A character may specialize in dodging specific types of objects (such as bullets or dodgeballs). A character's Dodge Skill is compared to an enemy combatant's Attack Bonus prior to an attack and will modify the HD of the character, possibly improving their chances of escaping damage.

## Dexterous Maneuvers (DXM)

This Skill is used in place of most traditional RPG Dexterity skills. It is used whenever a character has to be agile in order to succeed; some examples of these kinds of situations include riding a wild animal or walking a balance beam in between two tall buildings. Specializations in Dexterous Maneuvers include riding specific animals, trying to keep one's balance, disabling traps, picking locks, and so on. Picking a mechanical lock is handled using the Dexterous Maneuvers Skill; electronic locks, however, require a Cunning Check (which is an Intellect skill). The amount of time that passes in a Dexterous Maneuvers Check will vary greatly based upon the situation and may require multiple successful Checks (at the GM's discretion). Some actions, such as picking a simple catch-hook lock, may take as little as 1 round. Others, such as carefully defusing a bomb, may take upwards of an hour or more. When in doubt, a GM should use the result of a 3 d 5 roll to indicate the amount of time in rounds a Dexterous Maneuvers Skill Check will take. This Skill is typically subject to circumstantial DC adjustment; for example, attempting to pick a particularly complex lock is not circumstantially favorable.

## Hiding and Seeking (HES)

This Skill is used in place of traditional RPG skills such as Hiding, Seeking, Searching, etc. A player may specialize in hiding and/or seeking particular kinds of objects (for example, a law enforcement official might specialize in "Seeking Illicit Narcotics" while a drug pusher might specialize in "Hide Illicit Narcotics from Cops"). The amount of time needed for a Hiding and Seeking Skill Check varies; as a general rule, the longer it took to hide something, the longer it takes to find it again. This Skill is typically subject to circumstantial DC adjustments; having a great deal of time to search for or hide something works in a character's favor.

## Physique Skills

The Physique Skills are as follows:

- Concentration (used to concentrate on a specific task)
- Stamina (used to endure physical hardship)
- Recuperation (used to heal physical damage)


## Concentration (CCN)

This Skill is used when a measure of concentration is required to perform a specific task and is typically used as a prerequisite for a second Skill Check (for example, when defusing a bomb, a Concentration Check may be required prior to a Dexterous Maneuvers Check; failure of either could trigger the bomb). The degree of success or failure of a Concentration Check may be added to the DC of any subsequent Skill Check. Specializations include specific sets of circumstances (such as concentrating under fire).

## Stamina (STM)

Stamina is used when a character is enduring physical hardship or duress (such as when they have been hit by certain weapons). It can also be used to resist damage due to the character's exposure to heat, cold, radiation, biohazards, etc. A failure of a Stamina Check results in damage (loss of HP) or some other detrimental effect (such as becoming Stunned or Shaken, or becoming infected with a disease). Every ten points added to this Skill reduces the amount of Lethal Damage the character receives as the result of any attack by one point. Specializations represent an above average ability to resist specific ailments (for example, a character that has had influenza before could "specialize" in Resist Influenza to keep from getting the Flu again).

## Recuperation (RCP)

Recuperation is used when a character is attempting to regain their vitality (HP or NHP). It can be enhanced with the successful application of medicines and completely countered by poisons or toxins. Specializations represent the ability to recover quickly from specific ailments (for example, a player who has received a rubeola vaccination could "specialize" in Recover from Rubeola). Every ten points added to Recuperation adds a +1 modifier to the number of HP/NHP a player regains on a successful Check

## Intellect Skills

The Intellect Skills are as follows:

- Knowledge (used to test a character's memory and/or understanding of a specific subject)
- Cunning (used in situations that require cleverness to succeed)
- Resourcefulness (used when crafting or destroying objects, or when being resourceful is required for success)


## Knowledge (KNW)

This Skill is used when a character's knowledge must be tested. This Skill is typically subject to circumstantial DC adjustments; being asked about a topic in which the character has experience works in their favor. A character may specialize in any particular field of knowledge.

## Cunning (CUN)

This Skill is used whenever the character is forced to be clever in order to succeed in a situation. This Skill is typically subject to circumstantial DC adjustments; for example, a character attempting to persuade an enemy guard into letting them go without saying anything will probably face very
unfavorable circumstances. Specializations in this Skill may include con artistry, persuasion, deception, treachery, seduction, and so forth.

## Resourcefulness (RSF)

This Skill is used whenever a character needs to craft an item, when they need to figure out a way to demolish something, or when they must be inventive in order to succeed. Some examples of situations where this Skill apply include crafting a crude weapon, figuring out where to set explosives in order to turn a reinforced structure into dust, or getting out of a jail cell with no more than a stick of gum and a paper clip. Specializations include practical applications of mechanics or schools of engineering (such as "Use of Duct Tape").

## Acumen Skills

The Acumen Skills are as follows:

- Perception (used to observe a character's surroundings - particularly when there's something important to be noticed)
- Performance (used in situations where a character is performing a task not covered by any other Skill)
- Survival (used to measure a character's application of survival techniques)


## Perception (PRC)

This Skill is used whenever a character needs to notice something in a hurry and reflects the way they see their universe; it is used in place of the Spot skill used in traditional RPGs. Specializations include spotting specific types of objects. Every ten points added to this Skill give the character an effective -1 range modifier for all ranged attack actions the character makes in combat.

## Performance (PRF)

This Skill is used whenever the character is required to perform any task that is not covered by another Skill. This includes any mundane tasks done during the performance of a character's job. For example, a farmer would make several Performance Checks to successfully plant or harvest crops (note in this case that they won't know if those Checks were successful for quite some time). Specializations include the performance of the duties of particular occupations (shelving books, mopping floors, flipping burgers, acting, playing an instrument, etc.).

## Survival(SRV)

This Skill represents the character's knowledge and application of survival techniques in extreme situations. Specializations may include various types of terrain or weather conditions. A Survival Check may be made as a precursor to a Stamina Check to survive adverse conditions; the degree of success or failure is added to the DC of the subsequent Check.

## Charm Skills

The Charm Skills are as follows:

- Personality (used when strength of character will determine the outcome of a situation)
- Leadership (used to reflect the character's ability to lead)
- Diplomacy (used to attempt a diplomatic solution to a situation)


## Personality (PER)

This Skill reflects the strength of the character's emotional, attitudinal and behavioral response patterns, and is used in place of traditional RPG skills such as Willpower. Specializations include any skill that requires strong force of personality (such as debating, resisting torture, etc.). A Personality Check may be made as a precursor to any Diplomacy, Cunning or Intimidation Check, with the degree of success or failure adding to the DC of the subsequent Check.

## Leadership (LED)

This Skill reflects a character's ability to lead others in a given situation, used to rally others or to organize a group into a functioning team. It can also be used whenever it seems like a group is about to degenerate into factions. This Skill is typically subject to circumstantial DC adjustments; for example, a character trying to whip an unruly mob into shape is likely facing unfavorable circumstances. Specializations include specific situations wherein leadership may be important (such as commanding a ship or leading a squad of marines against heavy enemy fire). Leadership Checks may be made as a precursor to any Command Check (with the exception of Security), with the degree of success or failure adding to the DC of the subsequent Check.

## Diplomacy (DIP)

This Skill reflects how diplomatic the character is and how skillful they are at employing diplomatic techniques. Use of diplomacy can get a character out of many hostile situations and can help bring two previously unfriendly groups together in friendly co-existence. This Skill is typically subject to circumstantial DC adjustments; for example, any Terran attempting to negotiate a truce with a Kilrathi is likely facing unfavorable circumstances. Specializations include signing treaties, opening dialogue, pacifying hostile aliens, and so forth. Diplomacy Checks may be made as a precursor to any Negotiate or Intimidate Check, with the degree of success or failure adding to the DC of the subsequent Check.

## Command Skills

The Command Skills are as follows:

- Inspire (Prevents others from becoming Shaken)
- Strategy (Used to improve offensive and defensive maneuvering)
- Coordination (Allows a character to issue instructions)
- Guidance (Allows a character to advise others)
- Security (Provides a bonus to ranged attacks and improves ambush detection)


## Inspire (INS)

This Skill reflects a character's ability to inspire faith and confidence in others. Inspire Checks can be performed as a Standard action in combat by a vehicle or capital ship's commander to prevent other characters from becoming Shaken in combat and bolster their confidence; this in turn provides a small temporary bonus to any affected character's Checks. Specializations include specific types of groups or inspirational techniques.

## Strategy (STR)

This Skill reflects a character's knowledge of offensive and defensive combat strategies. A character who is highly skilled in Strategy has an easier time getting their forces into an advantageous position over an opposing force. A Strategy Check is required when a character must come up with a battle plan in order to succeed in a situation. Only a group commander may make this Check; the definition of a "group" in this case is left to the discretion of the GM. This Skill may be opposed by a corresponding Strategy Check performed by the commander of the opposing force. For every five points in the degree of success of the Check, all forces under the commander's direct control and carrying out their battle plan will gain a temporary +1 bonus to their Combat Maneuvers and Evasive Maneuvers Skill scores; the bonus extends to any specializations that may apply to specific situations. Specializations include specific offensive or defensive maneuvers.

## Coordination (CRD)

This Skill reflects a character's ability to utilize the full resources of every member of a group. If a character is part of a larger group that includes NPCs (such as a wingman), they may make a Coordination Check to give them specific instructions. Coordination Checks may be required multiple times for particularly large groups; the higher the number of successful Checks, the more likely things will occur as the character has designed, with fewer overall mistakes. This Skill is typically subject to circumstantial DC adjustments; a character flying on Todd Marshall's wing will likely be facing very unfavorable circumstances when attempting to issue him orders. Specializations include the coordination of specific situations, job positions or occupations.

## Guidance (GUD)

This Skill measures the amount of experience a character has with various types of situations and how much of their knowledge and experience can be imparted to others. Guidance Checks are made when a character wants to impart some of their knowledge to another character as a precursor to any Check made the other character; one-tenth (rounded up) of the degree of success or failure is added to the DC of the subsequent Check. Specializations include specific subjects or situations.

## Security (SEC)

This Skill reflects a character's general knowledge of security protocols and their ability to apply that knowledge. A character highly Skilled in Security can more readily identify threats in the immediate area and take positive action to mitigate them. Security Checks are used when a character is required to fight in ranged combat on the character-scale. Specializations include any specific type of ranged weapon or stratagem. Every five points added to this Skill imparts a +1 modifier to the character's Attack Bonuses; in situations wherein a specialization applies, this bonus is extended to that situation. A Security Check may also be made as a precursor to any Hiding and Seeking Check made to detect ambushes; the degree of success or failure is added to the DC of the subsequent Check.

## Science Skills

The Science Skills are as follows:

- Planetology (Used to scan and analyze planetary and stellar objects)
- Technology (Used to utilize pieces of technology and scan vehicles/capital ships)
- Archaeology (Used for archaeological and anthropological research)
- Geology (Used when locating mineral deposits)
- Typhonology (Used to predict and analyze hazardous local solar, ionic, meteorological, seismic and volcanic activity)


## Planetology (PLT)

This Skill reflects a character's working knowledge of natural space-borne objects (such as stars, asteroids, comets, etc.) and their ability to identify key features about them. Planetology Checks are required to compile basic information on a space-borne object (such as atmospheric components, bio-diversity, mass, global weather, etc.) when there is no information readily available about it. A character will still gather some data on the target object in the event of a failed Check; see the Technology Skill entry for more details. Planetology Checks have critical potential; in the event of a critical success, the GM may divulge any metadata to the group about the object being scanned that they wish to reveal (such as the specific locations of fault lines, age, etc.). Specializations include specific classes or types of planetoids or stellar objects.

## Technology (TCH)

This Skill reflects a character's knowledge of technologies, including their ability to identify, use and provide detailed information on a given technology that they may encounter. Technology Checks are required any time the character must operate a piece of technology (such as a computer) and when attempting to scan objects such as vehicles and capital ships. If using this Skill to scan a target, any damage to the scanning equipment utilized must be subtracted from the DC of the Check. This Skill is typically subject to circumstantial DC adjustments; a character attempting to localize a scan on a certain section of a craft to gather data on it will have less favorable circumstances than they would by performing a general overall scan. A character will still gather some data on the target in the event of a failed Check. Technology Checks have critical potential; in the event of a critical success when attempting to scan a target object, the GM may divulge any metadata to the group about it that they wish to reveal (such as any installed accessories, current HP levels, etc.). Specializations include specific classes or types of craft and particular pieces of technology.

The following chart outlines the specific pieces of information a character does gather on a failed Planetology or Technology Check, based on its degree of failure. Note that "Object" in the chart refers to space-borne objects (such as planets) while "Craft" refers to vehicles and capital ships.

Data Received after Failed Planetology/ Technology Check via Degree of Failure

| Degree of Failure | Data Received |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Type (Object or Craft) | Gravity (Object) Size (Craft) | Atmo. Density (Object) Shield Status(Craft) | Temperature (Object) Guns Status (Craft) | Weather (Object) Ordnance Status (Craft) |
| $>30$ | No | No | No | No | No |
| 30 | No | No | No | No | Yes |
| 29 | No | No | No | Yes | No |
| 28 | No | No | Yes | No | No |
| 27 | No | Yes | No | No | No |
| 26 | Yes | No | No | No | No |
| 25 | No | No | No | Yes | Yes |
| 24 | No | No | Yes | No | Yes |
| 23 | No | No | Yes | Yes | No |
| 22 | No | Yes | No | No | Yes |
| 21 | No | Yes | No | Yes | No |
| 20 | No | Yes | Yes | No | No |
| 19 | Yes | No | No | No | Yes |
| 18 | Yes | No | No | Yes | No |
| 17 | Yes | No | Yes | No | No |
| 16 | Yes | Yes | No | No | No |
| 15 | No | No | Yes | Yes | Yes |
| 14 | No | Yes | No | Yes | Yes |
| 13 | No | Yes | Yes | No | Yes |
| 12 | No | Yes | Yes | Yes | No |
| 11 | Yes | No | No | Yes | Yes |
| 10 | Yes | No | Yes | No | Yes |
| 9 | Yes | No | Yes | Yes | No |
| 8 | Yes | Yes | No | No | Yes |
| 7 | Yes | Yes | No | Yes | No |
| 6 | Yes | Yes | Yes | No | No |
| 5 | No | Yes | Yes | Yes | Yes |
| 4 | Yes | No | Yes | Yes | Yes |
| 3 | Yes | Yes | No | Yes | Yes |
| 2 | Yes | Yes | Yes | No | Yes |
| 1 | Yes | Yes | Yes | Yes | No |

## Archaeology (ARC)

This Skill reflects a character's knowledge of topics in archaeology and anthropology, including the identification of ruins and artifacts of various origins. Archaeology Checks are used to identify specific buildings or artifacts, their original function and their overall condition. Conducting a survey of an archaeological site or performing anthropological research generally takes more than one successful Archaeology Check in a row; the greater the number of successful Checks, the more successful the character's efforts. For example, a character may find potsherds with a single successful Check, an artistic curio with two successful Checks, a find of some significance (such as ancient writings) with three Checks, a significant treasure on four successful Checks, and a find of major cultural and historical importance (such as a stone that perfectly translates from Steltek into Ancient Kilrathi) on
five successful Checks in a row. This Skill is typically subject to circumstantial DC adjustments; more significant or heavily disguised items will impart unfavorable circumstances on the character. Specializations include particular types of buildings or specific ancient cultures of specific species.

## Geology (GEO)

This Skill reflects a character's knowledge of topics in geological disciplines, with particular emphasis on being able to distinguish between different types of fundamental elements and ores and knowledge of the conditions under which they are likely to form. Geology Checks are used on planetary surfaces in order to locate suitable mineral deposits for planetary mining. This Skill is typically subject to circumstantial DC adjustments; a character who is simply out to find ore of any type will likely face favorable circumstances, while those who are looking for specific ores on worlds where it's known that they are very rare will likely face unfavorable circumstances. If a mineral deposit is found while the character is exploring the surface of a world, the find will automatically increase in size by one-tenth the number of points in their Geology Skill (e.g. the character will find an additional 5.3 cubic meters of Gold in a find if they have a Geology score of 53); alternatively, the same amount of a different mineral may be found at the same time. Specializations include the identification of particular ores.

## Typhonology (TYP)

This Skill reflects a character's knowledge of the theoretical and practical uses of atmospheric science, solar weather phenomena and/or seismology, with particular emphasis on the prediction of hazardous phenomena. Typhonology Checks are used to predict impending severe planetary weather, imminent solar flares, novae, ion storms, earthquakes, volcanic eruptions, and the like. A Typhonology Check may be performed as part of the hourly Check while exploring planetary surfaces. For every ten points in the degree of success of a Typhonology Check (rounded up), the character gets an extra hour of "lead time" on any impending hazardous event. Additionally, should the character be unable to reach adequate shelter in time, their Typhonology score may be subtracted from the amount of subsequent damage that may be caused by such phenomena. Specializations include prediction techniques for specific types of hazardous phenomena.

## Navigation Skills

The Navigation Skills are as follows:

- Astrogation (Used to calculate safe FTL jump paths)
- Starship Piloting (Used when piloting a capital ship)
- Orientation (Used to track a vehicle's location in confusing terrain or to locate surface objects)
- Vehicle Piloting (Used when piloting a vehicle)
- Stealth (Used when attempting to avoid detection while piloting a craft)


## Astrogation (AST)

This Skill reflects a character's ability to look at star charts and gather interstellar data in order to determine the ship's location in space and to plot a safe course between star systems. Astrogation Checks are made as a precursor to Faster-Than-Light Mechanics Checks; combined, these Checks are used to determine whether a craft makes a successful FTL transit or not. Specializations include knowledge of the navigational systems of specific types of craft and specific FTL drive types (Akwende, Morvan, D-Drive, etc.).

## Starship Piloting (SSP)

This Skill reflects a character's familiarity with capital ships and how to navigate them in space. This can be a particularly important Skill, especially if the ship is damaged or if any attempts are being made to avoid space hazards. Starship Piloting Checks are used inside planetary systems to move a capital ship from one point to another within the same system. Starship Piloting Checks are also required in combat situations if there is damage to the ship's propulsion system, with the amount of Engine damage subtracted from the DC of the Check. For every 20 points in a character's Starship Piloting Skill, the fuel efficiency of their ship goes up by one category (to the maximum of $100 \%$ ); this bonus also extends to any specializations that may apply. Specializations include any specific class or type of craft (provided said craft are capital ships).

## Orientation (ORT)

This Skill reflects a character's ability to use navigational aids (such as a map and compass) in order to determine their exact position on the surface of a planet. Orientation Checks are necessary if planetary weather becomes particularly severe (severe enough to cause damage to a vehicle) or if a vehicle passes through "confusing" terrain (such as a cavern or a particularly dense bank of fog). Orientation Checks may also be made to remember the location of objects on a planet's surface (such as cities, trade posts, rich mineral deposits, unfueled vehicles, enemy targets, etc.). This Skill is typically subject to circumstantial DC adjustments; a character trying to find their primary bombing target whenever it is shrouded in fog will likely be facing unfavorable circumstances. Due to its nature, a character may never take zero on an Orientation Check. This Check has critical potential; in the event of a critical failure, the character becomes completely Lost. A new Orientation Check may be made after one hour has passed; this Check must succeed for the character to determine their position once more. In the event this subsequent Check fails, additional Orientation Checks must be made each hour until one of the Check is passed; the character remains Lost in the interim.

## Vehicle Piloting (VEP)

This Skill reflects a character's familiarity with vehicles in general as well as their skill in piloting them. Vehicle Piloting Checks are used to move vehicles from one point to another (similarly to the function of the Starship Piloting Skill). Vehicle Piloting Checks are also required in combat situations if there is damage to a vehicle's propulsion system, with the amount of damage to its engine subtracted from the DC of the Check. For every 20 points in a character's Vehicle Piloting Skill, the fuel efficiency of their current vehicle goes up by one category (to the maximum of 100\%); this bonus also extends to any specializations. Specializations include any specific class or type of craft (provided it is not a capital ship).

## Stealth (STL)

This Skill reflects a character's ability to use piloting techniques in such a manner as to make their craft harder to detect by conventional scanning means. Stealth Checks are made hourly while exploring a planet's surface and determine whether a craft will encounter any lifeforms. Stealth Checks are also used to determine whether or not a craft will have an encounter in space either during an hourly Check or upon arrival at a Nav Point. This Skill is typically subject to circumstantial DC adjustments; a character flying through an area with active scanning devices (such as radar) while trying to remain undetected will likely be facing unfavorable conditions. Specializations include stealth, ECM and ECCM systems on specific classes or types of craft.

## Tactical Skills

## The Tactical Skills are as follows:

- Targeting (Enables targeting of specific sub-systems)
- Marksmanship (Used to fire guns)
- Ballistics (Used to fire ordnance)
- Combat Maneuvers (Increases the chances of successfully hitting a target)
- Evasive Maneuvers (Increases the chances of successfully evading incoming fire)


## Targeting (TAR)

This Skill reflects a character's ability to pinpoint areas on a target's hull that are sensitive or vulnerable to weapons fire in order to inflict damage specifically to that area. This allows the character to make a "called shot" in a combat situation. A Targeting Check may be made as a Standard action; a successful Check will cause some measure of systems damage to the targeted area as long as the same target is fired upon in subsequent rounds. Specializations include targeting of specific sub-systems.

## Marksmanship (MKM)

This Skill reflects a character's familiarity with gun-style weaponry (such as lasers, mass drivers, etc.) and their ability to use such weaponry in combat situations. Marksmanship Checks are used as the attack roll when using guns; a successful Check indicates the potential for multiple hits. Specializations include specific gun types.

## Ballistics (BAL)

This Skill reflects a character's familiarity with various types of ordnance (such as missiles, mines and torpedoes) and their ability to use such weaponry in combat situations. Ballistics Checks are used as the attack roll when firing off any type of ordnance; a successful Check indicates a hit. Specializations include specific types of missiles or torpedoes.

## Combat Maneuvers (CMN)

This Skill reflects a character's familiarity with offensive combat piloting tactics and maneuvers, which allow them to maneuver their craft into an advantageous tactical position prior to firing. A character's Combat Maneuvers score will be opposed by the Evasive Maneuvers Check of the target's pilot, modifying the effective HD of the target. Specializations include specific offensive maneuvers (Immelmann turns, scissors, etc.).

## Evasive Maneuvers (EVM)

This Skill reflects a character's familiarity with defensive combat piloting tactics and maneuvers, which allow them to maneuver away from neutral and disadvantageous tactical positions and hamper an enemy's ability to find a firing solution on their craft. A character's Evasive Maneuvers score is used in opposition to the Combat Maneuvers score of the opposing craft's pilot, modifying the effective HD of their craft. Specializations include specific defensive maneuvers (split-s, yo-yo defense, etc.).

## Engineering Skills

## The Engineering Skills are as follows:

- Damage Control(Used to reduce damage, prevent malfunctions and bring a systems back on-line)
- Internal Systems (Used to repair a capital ship's internal systems and hull)
- Defenses (Used to repair a capital ship's defensive systems and increase its shield regeneration rate)
- Mechanics (Used to repair the systems of vehicles)
- Faster-Than-Light Mechanics (Required to perform FTL transits)


## Damage Control (DMC)

This Skill reflects a character's ability to direct damage control parties, to quickly repair critical components of a system no matter how badly damaged it is and to make improvised repairs in critical situations. It may also be used to mitigate the amount of damage a craft receives as it is happening. Damage Contro/ Checks are required whenever an attempt is made by any member of a craft's crew to use a damaged system or when a rapid set of repairs are needed to get a system functioning temporarily. The amount of damage to the system in question is always subtracted from the DC of the Check. This Skill is typically subject to circumstantial DC adjustments; a character attempting to make repairs while under fire or while in a hostile environment will likely face unfavorable circumstances. Failure of a Damage Contro/ Check results in a malfunction of the system in question. This Check has critical potential; in the event of a critical failure, the system is destroyed outright. Systems that are jury-rigged are considered "available" for purposes of combat, though any amount of damage inflicted on a jury-rigged system immediately causes it to malfunction. Due to its nature, a character may never take zero on a Damage Contro/ Check. Specializations include damage control and/or jury-rigging of specific systems.

## Internal Systems (ITS)

This Skill reflects a character's knowledge of the theoretical and practical uses of a diverse array of topics, including common metallic elements, EM fields, quasi-EM fields, EM radiation, nuclear physics and quantum mechanics. In particular, it reflects their knowledge of these topics in regards to how they contribute to the smooth operation of a capital ship; this knowledge can be used to aid in the repair of the vast majority of its internal systems. An Internal Systems Check is required to affect repairs to a capital ship's Core, Armor, Sensors, Communications, Flight Deck, Life Support and Engines. The amount of damage to the system in question is always subtracted from the DC of the Check. This Skill is typically subject to circumstantial DC adjustments; a character attempting to make repairs while under fire or while in any hostile environment will likely face unfavorable circumstances. Specializations include specific systems. Every ten points in the character's Internal Systems Skill adds a $+1 \%$ bonus to the amount of repair work affected on a successful Check; this includes points in Skill specializations.

## Defenses (DEF)

This Skill reflects a character's knowledge of common types of weaponry and practical uses of general and special relativity, particularly in regards to the launching mechanisms of ordnance launchers, emission methodology of gun-style weaponry and maintenance of the field generators that generate a capital ship's shields. This knowledge can be applied to aid in the repair of a ship's defensive systems. A Defenses Check is required to affect repairs to a capital ship's Shields or

Weaponry of any type. The amount of damage to the system in question is always subtracted from the DC of the Check. This Skill is typically subject to circumstantial DC adjustments; a character attempting to make repairs while under fire or while in a hostile environment will likely face unfavorable circumstances. Specializations include specific defensive systems. Every ten points in the character's Defenses Skill adds a $+1 \%$ bonus to the amount of repair work done on a successful Check; this includes points in Skill specializations. Defenses also acts as a bonus to shield regeneration; the Defenses score of the designated ship's Engineer is added to the recharge rate of the shields in SHP.

## Mechanics (MEC)

This Skill indicates a character's practical knowledge of common machinery, in particular the care and maintenance of the systems required for its continued operation. This knowledge can be used to aid in the repair of any system installed on any small craft (such as vehicles, shuttles, and fightercraft) in the character's care. A Mechanics Check is required whenever any system on a vehicle needs to be repaired; this Skill behaves exactly like the Internal Systems and Defenses Skills, including all indicated bonuses and penalties. Specializations in this Skill include specific types or classes of vehicles.

## Faster-Than-Light Mechanics (FTL)

This Skill is a measure of a character's practical knowledge of faster-than-light mechanics, particularly in regards to the inner workings of FTL drives and how they are affected by phenomena in the interstellar medium. Faster-Than-Light Mechanics Checks are used to execute any superluminal transit. An Astrogation Check is always made as a precursor to a Faster-Than-Light Mechanics Check, with the degree of success or failure of the Astrogation Check modifying the DC of the Faster-Than-Light Mechanics Check. Specializations include specific drive types (Akwende, Morvan, D-Drive, etc.) or specific FTL-capable craft.

## Communications Skills

The Communications Skills are as follows:

- Translate (Used when translation is required)
- Rapport (Used to gather information)
- Intimidate (Required whenever intimidation or lying are required to succeed)
- Negotiate (Used to haggle over the price of goods)
- Distress (Used to either issue or jam distress calls)


## Translate (TRL)

This Skill reflects a character's familiarity with the structures and forms of various languages and their ability to apply that knowledge into the translation of a given particular language. A Translate Check is required any time the character is in a situation where they must either read, write or speak in a language other than their primary language to be successful. This Skill is typically subject to circumstantial DC adjustments; a character attempting to read something in a language with which they are completely unfamiliar will likely be facing unfavorable circumstances, as will a character attempting to listen to a message that has been badly garbled by static. Failure of the Check means that some parts of the message will be un-translatable, with the amount of any useful portion of the message decreasing as the degree of failure increases (GMs may handle these situations in any
manner that they wish through role-playing). Specializations include any specific language and/or associated writing system.

## Rapport(RAP)

This Skill indicates a character's ability to gather information by various means. Rapport Checks are required in situations where the target of communications may or may not remember (or is deliberately withholding) some piece of important information the character must know in order to succeed. They may also be used in an attempt to get a target to give more details on something they've already mentioned. This Skill is typically subject to circumstantial DC adjustments; a character that is talking to an uncooperative subject will likely be facing unfavorable circumstances. Failure of the Check means that the target has either forgotten the fact, will say something that's entirely accurate, or flat out refuse to divulge what they know. Specializations include specific methods of gathering information, specific species or members of specific occupations or groups.

## Intimidate(IND)

This Skill reflects a character's ability to instill fear in others through the sheer force of their personality or to tell a convincing falsehood. Intimidation Checks are required when a character must act aggressively, must attempt to instill fear on a target or must lie convincingly in order to succeed at a task. This Skill is typically subject to circumstantial DC adjustments; attempting to lie to someone who is gullible will work in a character's favor, while trying to tell an outrageous lie or trying to intimidate an opponent who is in a clearly superior position will not. In addition to any other effects, a failure of an Intimidate Check will impart a -2 DC reaction penalty in all future dealings with the target of the Check. Specializations include any method of intimidation, specific species or members of specific occupations or groups.

## Negotiate (NGG)

This Skill reflects a character's familiarity with the techniques of negotiation and their ability to utilize them in a real world setting. Negotiate Checks are used by a character when trading in order to move the offered price of an item in their favor; they are used in opposition to an opposing Negotiate Check performed by the trader. Whoever has the higher degree of success may move the price point of a commodity in their favor or close out any further attempt at haggling. Specializations include specific goods or categories of goods.

## Distress (DIS)

This Skill reflects a character's familiarity with the use of emergency communications equipment both for the purpose of sending out general distress signals and interfering with the ability of hostile forces to do the same. Distress Checks are required whenever a character wishes to attempt to issue a distress signal. A Distress Check performed in opposition to an enemy combatant's Distress Check in order to attempt to jam their signal and vice versa; whichever side has the higher degree of success will be able to perform their desired action. The successful transmission of a distress signal will ultimately result in the arrival of a number of friendly forces during an encounter, the composition of which should be directly proportional to the degree of success of the Check as should be the amount of time it takes for them to arrive. This Skill is typically subject to circumstantial DC adjustments; a character whose craft is very far from the closest base and is in an encounter with a sizable enemy force will likely be facing unfavorable circumstances. Specializations include the communications/jamming systems on specific classes of craft or types of craft.

## Medicine Skills

The Medicine Skills are as follows:

- Intensive Care (Used to heal characters in emergency situations)
- Treatment (Used to help heal characters)
- Xenobiology (Assists in the healing of a character based on their species)
- Specialized Medicine (Used to treat the effects of poisons and pathogens)
- Psychology (Used to treat mental disorders and effects of psionic attacks)


## Intensive Care (ITC)

This Skill measures a character's knowledge and ability to administer emergency first aid to a critically injured person. Should another nearby character be in clinical death, the character may make an Intensive Care Check in order to curtail or prevent their slide towards brain death. An amount equal to the amount by which the "patient" is below their maximum HP is subtracted from the DC of an Intensive Care Check when it is performed; other factors (such as whether sufficient equipment is available, if the treatment is taking place in a moving vehicle, etc.) may also adjust the DC. The patient will gain or lose one-tenth the amount of success/failure of the roll in HP, rounding up. Intensive Care Checks may also be made as a last resort attempt to prevent a character's death; if the Check fails, brain death is immediate. If the Check succeeds, however, they are placed in stasis and can subsequently be healed normally. Specializations in Intensive Care include specific emergency situations (gunshot wound, heart attack, etc.).

## Treatment (TRT)

This Skill measures a character's ability to handle the medical needs of people under their care. Treatment Checks are made to actively treat patients. The amount by which a patient is below their maximum HP is subtracted from the DC of a Treatment Check when it is performed. Treatment Checks are performed hourly. If the Check fails, the patient restores no HP that hour. This Check has critical potential: in the event of a critical failure, the patient loses one-tenth the degree of failure in HP (round down). A successful Check restores a number of HP or NHP equal to the degree of success up to the patient's maximum HP/NHP. Skill specializations are reserved for specific types of injuries (blunt-force trauma, gunshot wounds, etc.).

## Xenobiology (XNB)

This Skill indicates a medic's familiarity and flexibility in determining and working with the anatomy of various life-forms; this knowledge can be used to speed the healing of others. Specializations include specific species (Terran, Kilrathi, Firekkan, etc.). A Xenobiology Check may be made as a precursor to any Intensive Care or Treatment Check; the degree of success or failure is added to the DC of the subsequent Check. For every five points in the Doctor's Xenobiology Skill, another point of HP may be healed above the normal amount indicated by an hourly Treatment Check for a patient; this bonus extends to any specializations that may apply.

## Specialized Medicine (SMD)

This Skill reflects a character's familiarity with various types of toxins and pathogens as well as their ability to detect and treat them. A Specialized Medicine Check may be made by a character in order to counter the effects of any poison, disease or other contagion to which another character has been exposed. This Skill is typically subject to circumstantial DC adjustments; a character faced with the
treatment of a fast-acting neurotoxin is likely facing unfavorable circumstances. Specializations include any specific or general category of poisons or diseases. Note that in some cases, a Specialized Medicine Check may also be used to prevent a pathogen from infecting an entire group of characters.

## Psychology (PSY)

This Skill reflects a character's familiarity with various types of mental disorders (whether naturally occurring or induced by certain conditions) as well as their ability to detect and treat them. A Psychology Check may be made to counter the effects of any psionic attacks to which any other character has been subjected. They may also be used to curtail a psionic effect before it becomes too pronounced, or to temporarily curtail the effects of the Insane Complication. This Skill is typically subject to circumstantial DC adjustments; a character attempting to calm a raging psychopath is likely facing unfavorable circumstances. Specializations include any of the psychological disciplines (such as criminal behavior, psychoanalysis, sports psychology, etc.).

## Traits

This section describes the various Traits that a character may be given during the creation process. All Traits in the game fall into one of three general types: Variable Traits, Talents, and Complications. Variable Traits are Traits that may act either as a Talent or a Complication. Talents are generally positive Traits that will help a character excel in a particular field. Talents have a building point cost; when they are selected, the point cost must be paid either by using some of the points in one of the character's building point pools for Disciplines or Attributes, or by buying Complications.
Complications are negative Traits that serve to make a character's life interesting, serving as a point of internal conflict that can get in the way of their success in certain situations. Complications have a negative point cost and thus give the character additional building points, which can then be spent on Skills or as a way of "buying off" a Talent.

A character's Traits provide a modifier to the outcome of any die roll where they may apply. This includes self-control Checks, a (usually) voluntary roll made to gauge a character's reaction to a given situation; these Checks have a base DC of 50 plus the number of points present in the Trait. The modifier provided always equals the Trait's score; Talents provide positive modifiers while Complications provide negative ones. Traits can compound upon one another in certain situations, making certain actions almost guaranteed successes and others guaranteed failures. All Traits must be role-played where appropriate; if a player does not role-play a character's Trait, a GM may inflict whatever penalty they wish during a gaming session's wrap-up. Usually, this will be the denial of a Skill point or two that the character might've otherwise earned or the reduction of the level of the Trait in question

## Variable Traits

All Variable Traits have a point cost of -30 to +30 points. Variable Traits with a score of -1 or less are considered Complications, while those with a score of +1 or more are considered Talents. If no level is taken in a Variable Trait, it is assumed the character has a score of zero in it.

## Comeliness

A character's Comeliness level reflects how beautiful they are. This is based on the standards for attractiveness used by their species (e.g. an individual Varni with a high Comeliness score may not appear very attractive to members of other races by their standards, but to other Varni they could be
akin to a lesser deity). A character's Comeliness level applies in situations where their level of physical beauty will make a difference to its final outcome. Players with positive comeliness levels (Comeliness as a Talent) are considered attractive, while those with negative levels (Comeliness as a
Complication) are considered ugly; those with significant scores may even be considered that way by members of other species. Characters by default have a Comeliness level of zero, representing average attractiveness.

## Senses

A character's Senses Trait reflects how sharp or dull their senses are. The Senses Trait may be taken multiple times by a character, each time reflecting a particular abnormality in one of that character's senses; alternatively, a player may consider this Trait an average value of all their character's senses. The Senses Trait is added to any Checks in which how well a character can see, hear, etc. will have an impact on the final result of a situation. Characters who take the Senses Trait at the maximum Complication level (-30) completely lose the sense in question. Characters by default have a Senses level of zero, representing average ability.

## Wealth

A character's Wealth trait reflects their current level of personal wealth. A high Wealth score doesn' $\dagger$ necessarily indicate that a character has a great deal of money; rather, it reflects their overall purchasing power and strength of their assets (money, personal assets, livestock, property, etc.). Wealth applies when a character is making purchases, whether for themselves or for the rest of their group. Characters who have Wealth as a Talent are fairly rich and have little trouble accessing goods regardless of their overall quality; the wealthiest people may hold significant assets (such as their own private fleet of spacecraft). Conversely, characters who have Wealth as a Complication are unusually poor and have to struggle to make ends meet. The poorest of these people are dirt broke, with no prospects for serious work or in so much debt that they'll never work their way out of it. Characters by default have a Wealth level of zero, denoting average wealth and a lower-middle class lifestyle. The combined Wealth scores of a character group can be used by a GM to determine their initial amount of money; they simply average together the Wealth values of all the players in the group, multiply the result by 1000, and add it to an initial value of $€ 15,000$ (note that it is possible for a character group to start out in debt should all its members be unusually poor). For individual characters, a GM may add $€ 300$ to an amount equal to 100 times their Wealth level to determine the amount of money with which they have to purchase initial equipment (note that characters with a Wealth score of -30 will start out with no money).

## Reputation

A character's Reputation Trait reflects how well known they are in their field (for better or worse). Characters that are well known in their field may get stronger reactions from others, particularly from those who know or have at least heard of the character, and know their level of expertise. A character's Reputation Trait applies in situations where their reputation will make a difference to the outcome. Characters that have Reputation as a Talent are well-respected and praised for their work in their particular field; conversely, characters that have Reputation as a Complication are treated as a hack by other members of their field whether they deserve to be treated that way or not. Note that a person outside of the character's field may still have heard of them; they just won't react as strongly as someone within the same field. Characters by default start with a Reputation of zero, denoting a lack of any repute.

## Social Status

Social Status reflects how important a character is in their society and what niche they fill. This Trait is particularly important in caste-based societies, wherein a character's Social Status may determine such things as their social rights, who they may associate with, which laws they are expected to obey, which buildings are off-limits, etc. Characters apply their Social Status score in situations where their status in society makes a difference to the outcome. Characters that have Social Status as a Talent are important in their society; those with the highest levels may be members of a ruling class or at least a well-known celebrity. Conversely, characters that have Social Status as a Complication are relatively unimportant in their society and may suffer ill-effects as a result; those with the lowest Social Status scores are considered pariahs within their society and are usually subject to extreme persecution. A character's Social Status score is added to their Discipline building point pool during the creation process (members of high society can be expected to have had more opportunities for applied learning). Characters by default have a Social Status score of zero, denoting a person of the most common social class.

## Nerves

The Nerves Trait reflects a character's ability to stay calm or brave in intense situations (or how easily they get shaken up). The character's Nerves score is added in situations where a player's bravery will make a difference to the outcome. Characters that have Nerves as a Talent are exceptionally calm and courageous in the face of danger; something has to be seriously wrong for them to become rattled. Conversely, characters that have Nerves as a Complication tend to be easily shaken and/or frightened. By default, characters have a Nerves score of zero, denoting an average level of bravery.

## Memory

The Memory Trait reflects a character's ability to remember critical details about their life experiences and encounters. A character's Memory applies in situations where it is important that the character remember something in order to succeed. Characters who have Memory as a Talent are very good at remembering minor details about things that have happened to them; they can be counted on as a viable source of information about the past. Conversely, characters that have Memory as a Complication have trouble remembering little things such as what they ate for breakfast that morning. Characters start off with a Memory score of zero, denoting average memory skill. NOTE: This score reflects a character's memory, not their player's. A GM must remind a player of any key facts if a situation comes up wherein they have forgotten them, but their character would remember them.

## Luck

The Luck Trait reflects how lucky a character is. Characters who have Luck as a Talent are unusually lucky and often find things going their way; those that take Luck as a Complication are the exact opposite. Once per gaming session, the GM has the option of adding a character's Luck score to the DC of any roll of their choosing, reflecting the influence of luck on the outcome. Characters have a default Luck score of zero, denoting average luck.

## Health

The Health Trait reflects a character's general level of health, including their level of physical fitness and how easily they catch disease. A character's Health score applies to any situation wherein their resistance to disease or their physical shape will help determine the outcome. Characters that have

Health as a Talent are remarkably healthy (despite any other indications to the contrary); they are always the last member in a group to contract a disease and usually recover from any diseases they do catch very quickly. Conversely, characters that have Health as a Complication are remarkably unhealthy, are vulnerable to diseases and tend to suffer from their effects for extended periods. By default, characters have a Health score of zero, denoting average health and resistance to disease. A character's Health score directly determines the DC of their Fortitude Save.

## Reflexes

The Reflexes Trait reflects how quickly a character is able to handle parts of their body. The character's Reflexes score applies to any situation wherein quick bodily control will help determine the outcome. Characters that have a high Reflexes score can move their body with lightning speed; they can see something about to hit their head and manage to get out of the way in time to avoid it. Conversely, a character with a low Reflexes score doesn't move all that fast; they might have trouble getting out of the way of a passing cyclist and have never been good at dodgeball. By default, characters have a Reflexes score of zero, denoting average reflexes. A character's Reflexes score directly determines the DC of their Reflex Save.

## Discipline

The Discipline Trait reflects how well a character has trained their mind and body to resist external stimuli, particularly to situations that would either trigger a strong flight reaction or result in severe physical pain. The character's Discipline score applies to any situation wherein their force of will or resistance to pain will help to determine the outcome. Characters with high Discipline scores don't break easily; they won't give information away even if tortured and can effectively resist truth-telling drugs. Conversely, those with low Discipline scores will break with very little stimuli; they spill their guts at the slightest poke. By default, characters have a Discipline score of zero, denoting an average overall level of mental resistance and pain tolerance. A character's Discipline score directly determines the DC of their Willpower Save.

## Education

The Education Trait reflects how well a character has been educated whether through formal schooling or direct experience; it may also reflect the quality of the institution at which a character received their education. A character's Education score applies to any situation wherein something they've learned in an educational setting has a significant bearing on the outcome. Characters who take Education as a Talent either have a great deal of education or attended very high quality schools. Conversely, those who have Education as a Complication may have no education whatsoever or may have performed very poorly while in school. A value equal to twice the character's Education score is added to their Discipline building point pool during the creation process; it's generally assumed those with a better overall level of Education have higher aptitudes in applied fields. By default, all characters have an Education score of zero, denoting average overall performance in average quality schools.

## Temper

The Temper Trait reflects how easily a character may become angry as well as the potential severity of their anger. A character's Temper score applies to any situation wherein how short of a fuse they have will have a bearing on the final outcome. Characters who have Temper as a Talent are very slow to anger, tend not to stay angry once angered and remain generally non-violent; those with the highest Temper scores may be almost pacifistic in nature. Conversely, those characters who have Temper as a Complication tend to become angry quickly, tend to stay angry, hold grudges and
may become violent; those with the lowest Temper scores may become so easily enraged that managing their anger is a constant struggle. By default, all characters have a Temper score of zero, denoting an average temper.

## Talents

All Talents have a point cost of 0 to +25 points. Points that are spent on Talents must first come from any points gained by taking Complications. If there aren't enough points from Complications to foot the bill, the remaining cost must be paid out of the character's Attribute or Discipline building point pools (or both).

## Contacts

Characters with the Contacts Talent know people who either owe them a favor or who are useful to know (For example, knowing a Firekkan trader on a first name basis may help get the character better prices or allow them access to particular kinds of goods while trading with them). The strength of the Talent depends on the "quality" of contacts the character has; contacts with a great deal of influence in their area will tend to lend themselves to a higher score. The Contacts Trait may be taken multiple times by a character, each time reflecting a different person or group. A character's Contacts scores are highly flexible and it is possible for them to lose this particular Talent if the contact dies, becomes unavailable or fulfills the conditions of any obligation they owe to the character. When a contact is attempting to do anything the character has asked them to do, the GM may add the number of points in the character's Contact score to the DC of any Check that's required.

## Ambidexterity

Characters with the Ambidexterity Talent are capable of using more than one motor appendage with a high degree of skill. This offsets any "off-hand" penalties the character may face when wielding multiple weapons. For every five points (round down) spent on Ambidexterity, the GM may subtract one point from the amount of the character's off-hand penalty.

## Math Expert

Characters with the Math Expert Talent are particularly skilled in mathematics. When a situation arises in which the character's knowledge of mathematics or the ability to calculate mathematical solutions quickly is required, the GM may add the number of points in the character's Math Expert score to the DC of whatever Check is involved.

## Quick Draw

Characters with the Quick Draw Talent are able to draw and aim a weapon very quickly. Ordinarily, a character in combat draws a weapon as a standard action; this Talent enables them to draw any single weapon per round as a free action instead, provided their Quick Draw score is greater than or equal to their current total encumbrance class.

## Scientific Sense

Characters with the Scientific Sense Talent are unusually gifted in their understanding and knowledge of applications of science for a member of their species. Characters who have the Scientific Sense Talent gain a number of significant bonuses. First, they may add their Scientific Sense score to the DC
of all Science Checks they make. Secondly, the character gains an additional number of building points equal to their Scientific Sense during the character creation process, which must be spent specifically on Skills under their Science Discipline. Finally, for every ten points (rounded down) they have in Scientific Sense, a character gets an arbitrary "freebie" per day on any Science Check; they automatically succeed without having to roll. If applicable to a Check, the player must declare whether or not their character will use a freebie before rolling. NOTE: If the player tries to use a freebie in a circumstance wherein the plot requires the character to fail, the GM must inform the player of that fact and count the freebie as unused.

## Navigational Sense

Characters with the Navigational Sense Talent are unusually gifted in their ability to pilot craft without getting lost for a member of their species. Characters who have the Navigational Sense Talent gain a number of significant bonuses. First, they may add their Navigational Sense score to the DC of all Navigation Checks they make. Secondly, the character gains an additional number of building points equal to their Navigational Sense during the character creation process, which must be spent specifically on Skills under their Navigation Discipline. Finally, for every ten points (rounded down) they have in Navigational Sense, a character gets an arbitrary "freebie" per day on any Navigation Check; they automatically succeed without having to roll. If applicable to a Check, the player must declare whether or not their character will use a freebie before rolling. NOTE: If the player tries to use a freebie in a circumstance wherein the plot requires the character to fail, the GM must inform the player of that fact and count the freebie as unused.

## Mechanical Sense

Characters with the Mechanical Sense Talent are unusually gifted in their ability to apply technical knowledge for practical purposes for a member of their species. Characters who have the Mechanical Sense Talent gain a number of significant bonuses. First, they may add their Mechanical Sense score to the DC of all Engineering Checks they make. Secondly, the character gains an additional number of building points equal to their Mechanical Sense during the character creation process, which must be spent specifically on Skills under their Engineering Discipline. Finally, for every ten points (rounded down) they have in Mechanical Sense, a character gets an arbitrary "freebie" per day on any Engineering Check; they automatically succeed without having to roll. If applicable to a Check, the player must declare whether or not their character will use a freebie before rolling. NOTE: If the player tries to use a freebie in a circumstance wherein the plot requires the character to fail, the GM must inform the player of that fact and count the freebie as unused.

## Linguistic Sense

Characters with the Linguistic Sense Talent are unusually gifted in their ability to exchange information with others for a member of their species. Characters who have the Linguistic Sense Talent gain a number of significant bonuses. First, they may add their Linguistic Sense score to the DC of all Communications Checks they make. Secondly, the character gains an additional number of building points equal to their Linguistic Sense during the character creation process, which must be spent specifically on Skills under their Communications Discipline. Finally, for every ten points (rounded down) they have in Linguistic Sense, a character gets an arbitrary "freebie" per day on any Communications Check; they automatically succeed without having to roll. If applicable to a Check, the player must declare whether or not their character will use a freebie before rolling. NOTE: If the player tries to use a freebie in a circumstance wherein the plot requires the character to fail, the GM must inform the player of that fact and count the freebie as unused.

## Empathic Sense

Characters with the Empathic Sense Talent are unusually gifted in their understanding and knowledge of applications of the medical arts for a member of their species. Characters who have the Empathic Sense Talent gain a number of significant bonuses. First, they may add their Empathic Sense score to the DC of all Medicine Checks they make. Secondly, the character gains an additional number of building points equal to their Empathic Sense during the character creation process, which must be spent specifically on Skills under their Medicine Discipline. Finally, for every ten points (rounded down) they have in Empathic Sense, a character gets an arbitrary "freebie" per day on any Medicine Check; they automatically succeed without having to roll. If applicable to a Check, the player must declare whether or not their character will use a freebie before rolling. NOTE: If the player tries to use a freebie in a circumstance wherein the plot requires the character to fail, the GM must inform the player of that fact and count the freebie as unused.

## Tactical Sense

Characters with the Tactical Sense Talent are unusually gifted in their understanding and knowledge of applications of military tactics for a member of their species. Characters who have the Tactical Sense Talent gain a number of significant bonuses. First, they may add their Tactical Sense score to the DC of all Tactical Checks they make. Secondly, the character gains an additional number of building points equal to their Tactical Sense during the character creation process, which must be spent specifically on Skills under their Tactical Discipline. Finally, for every ten points (rounded down) they have in Tactical Sense, a character gets an arbitrary "freebie" per day on any Tactical Check; they automatically succeed without having to roll. If applicable to a Check, the player must declare whether or not their character will use a freebie before rolling. NOTE: If the player tries to use a freebie in a circumstance wherein the plot requires the character to fail, the GM must inform the player of that fact and count the freebie as unused.

## Complications

All Complications have a point "cost" of -25 to 0 points. Points gained by taking Complications may either go towards the purchase of Talents or may be used to boost a character's Atribute or Discipline building point pools. When dealing with Complications and their effects on Checks, a GM should bear in mind that their scores are technically negative and should be treated as such in any "addition" indicated for their usage.

## Abnormal Height

Characters with the Abnormal Height Complication are either unusually tall or unusually short for a member of their species. Characters with low Abnormal Height scores are noticeably abnormal, though it is still unusual when they garner any undue attention because of it. Character with high Abnormal Height scores definitely stand out in a crowd (or not). When a character is given this Complication, they must begin with the highest possible long dimension for a member of their species and gender if they are abnormally tall or the lowest possible long dimension if they are abnormally short. From that base amount, an amount equal to $1 \mathrm{~d} 2+1$ times the degree of the Complication (in centimeters) is added if they are abnormally tall or subtracted from it if they are abnormally short. A character may not have a long dimension of zero centimeters or less; preferably, characters will have a long dimension of no less than fifty centimeters. When faced with situations wherein their unusual height may affect their ability to perform an action, the character's Abnormal Height score is added to its DC.

## Abnormal Weight

Characters with the Abnormal Weight Complication are either unusually overweight or underweight for a member of their species. Characters with low Abnormal Weight scores are noticeably abnormal, though it is still unusual when they garner any undue attention because of it. Character with high Abnormal Weight scores are either grotesquely overweight or so underweight that they risk falling over in a light breeze. When a character is given this Complication, they must begin with the highest possible mass for a member of their species and gender if they are abnormally overweight or the lowest possible mass if they are abnormally underweight. From that base amount, an amount equal to 1 d 5 times the degree of the Complication (in kilograms) is added to the character's mass if they are overweight or subtracted from it if they are underweight. A character may not have a mass of zero kilograms or less; preferably, characters will have a mass of no less than five kilograms. When faced with situations wherein their unusual mass may affect their ability to perform an action, the character's Abnormal Weight score is added to its DC.

## Addicted

Characters with the Addicted Complication think that they require something in order to function in life that is generally hard to come by and sometimes illegal or dangerous. Whatever it is, they have to have it regularly regardless of its effects their life and/or personal relationships. When a character takes the Addicted Complication during the character creation process, the object of the addiction must be declared; the magnitude of the Complication indicates both how badly and how often they must have it. Subtract the magnitude of the Complication from 26 ; the result indicates how often, in days, the character must indulge their addiction. If they don't subject themselves to the object of their addiction within that time period, they begin to detox. Detoxing takes twice the number of days as the magnitude of the Complication, during which time the character is at a -20 penalty to all rolls. The character comes becomes detoxed after spending the indicated amount of time in detox or by indulging their addiction. A detoxed character no longer requires exposure to the object of their addiction but may choose to make a self-control Check if offered it later on. If the Check fails, they succumb, partake, and are no longer considered detoxed. For every month a character "stays clean", they may buy off one point of their addiction; they may do this until the magnitude of the Complication reaches two. A character may never completely "buy off" an addiction. A character that partakes in the object of their addiction (or in a substance to which they may become addicted) must make a self-control Check immediately afterwards; failing that Check increases the magnitude of the addiction by one (if possible). A character may have multiple addictions.


#### Abstract

Allergic Characters with the Allergic Complication have particularly bad reactions when exposed to certain materials, such as certain foods, plant pollens, venoms, etc. Any allergies must be specified at the time of a character's creation and may never be bought off directly. The severity of the character's reaction to an allergy is dependent upon the magnitude of the Allergic Complication. Someone who takes a relatively low score may start sneezing uncontrollably or break out in hives when they come into contact with their specific allergen. Someone with a high score may be reactive, bringing on some kind of life-threatening situation (anaphy/actic shock, for example). The character's Allergic Complication score is added to any Fortitude Save made to resist being affected by the specific allergen; failure of the Save by more than twenty points brings on a life-threatening condition with the rules for Suffocation immediately taking effect. A character may take the Allergic Complication more than once in order to reflect multiple allergies.


## Amputee

Characters with the Amputee Complication are missing parts of their body. Low Amputee scores may reflect a missing finger or toe whereas the highest scores may be given to a quadriplegic. A character's Amputee score is subtracted from the DC of all Power, Physique and Finesse Checks they make, acting as a permanent penalty.

## Bleeder

Characters with the Bleeder Complication are particularly susceptible to wounds. Whenever a character with this Complication takes damage (no matter how minor), a number of points equal to the magnitude of their Bleeder Complication score is subtracted from their HP; this is in addition to any other damage they may receive due to the situation. As might be obvious, this Complication is most definitely not recommended for PCs (particularly those who enter combat frequently).

## Creed

Characters with the Creed Complication live their lives by some kind of code, which they will obey above the principles of all other things. The strength of this Complication reflects how arbitrary and irrational the requirements of the code are as well as the penalties the character may face for breaking it. In situations where the character's Creed may be challenged, they may choose to make a self-control Check. If the Check fails, the character will go with the dictates of their creed no matter the potential consequences. In the event the character is able to override the dictates of their creed, they must make a second self-Control Check; should that Check fail, they must perform whatever penance is required by the dictates of the creed no matter the personal cost.

## Crude

Characters with the Crude Complication are generally considered boorish and rude by the members of the societies in which they most frequently interact. If there's a wrong thing to say or do in a social situation (such as picking one's teeth, belching, complimenting the hostess's physical attributes while her significant other is within earshot, etc.), the character will have a tendency to insert one of their propulsive appendages into their corresponding gustatory organ. Crude characters tend to be viewed as objects of disgust in polite society. In any situation wherein a character with this Complication has to interact with members of "polite society", they may choose to make a self-control Check. Should the Check fail, the character will do something that the group will probably come to regret sooner rather than later; the GM can be as imaginative as they wish as far as the specifics are concerned. Any NPCs that interact with the character after they fail a Crude self-Control Check will have a negative reaction in any future interactions with them (a-2 DC penalty, which is cumulative).

## Curious

Characters with the Curious Complication are abnormally curious about everything. They've always got to satisfy that curiosity, even if they know that the consequences will be disastrous. If a character with this Complication is presented with an interesting item or situation, they may choose to make a self-control Check to overcome their innate sense of curiosity. Failing the Check means the character will take whatever steps are necessary to satisfy their curiosity regardless of the consequences.

## Glutton

Characters with the Glutton Complication love to eat to the exception of almost anything else. Characters with this Complication never willingly skip a meal and rarely refuse to eat anything offered to them. Gluttonous characters are not necessarily overweight or unhealthy. If a Gluttonous character is presented with a situation in which they should not partake in food or drink (if the food is tainted or poisoned, for instance), the character may choose to make a self-control Check. Failing the Check means the character partakes of what's offered them regardless of the consequences.

## Greedy

Characters with the Greedy Complication lust after wealth and will do whatever it takes to accumulate more. Characters with this Complication may choose to make a self-control Check any time they are offered money in payment for a service (no matter what kind of service); the character may add their Wealth Trait score to the normal DC of the Check. Should the Check fail, the character will do whatever it takes to get the final payoff regardless of the consequences to themselves, their acquaintances and society in general.

## Honest

Characters with the Honest Complication are honest to a fault; they will hardly ever tell a lie and when they do they are bad at it. They are honest even when being so hurts the efforts of the group or may hurts another's feelings. When asked a question wherein a character's ability to tell a convincing lie lends itself to a successful conclusion or when they must perform a dishonest act, they may choose to make a self-control Check. If the Check fails, they must behave honestly regardless of the cost. In the event that the Check succeeds, they are allowed to perform the dishonest action but then must make a second self-control Check to deal with their guilt; should that Check fail, the character must admit their dishonesty to whatever authority is present regardless of any personal cost.

## Hunted

Characters with the Hunted Complication have people who are "out to get them" (in reality; characters who only think they have people out to get them probably have the Insane Complication instead). For example, a character who pissed off the Sarn consortium will have bounty hunters coming after them and will find it hard to stay in one place for very long; they therefore have this Complication. The strength of the Complication depends on just who is hunting the character; multiple parties on the hunt or just a few that happen to have a great deal of influence will lend themselves to a higher Hunted magnitude. The Hunted Complication may be taken multiple times by a character; each one indicates a different party interested in their head. A character's Hunted score is highly flexible and it is possible for them to "pay off" this particular Complication if the party hunting them dies or becomes disinterested, or if the character manages to atone for whatever action caused them to become a target in the first place. When there is a chance that the character might be recognized by someone who represents a party hunting after them, the GM must add the character's Hunted score to the DC of whatever Check is required to resolve the situation.

## Impulsive

Characters with the Impulsive Complication have a tendency to rush into situations without thinking them through; this usually leads them into situations that are more difficult to overcome than they needed to be. If a character with this Complication is in a situation where thinking something out before acting is crucial to success, they may choose to make a self-control Check. Failure of the

Check means that the character won't stop to think; they'll just act regardless of the consequences to themselves and others.

## Insane

Characters with the Insane Complication may have any of a spectrum of abnormal mental behaviors, which typically present themselves as violations of societal norms. Insane characters may readily become a danger to themselves and others. Characters with low magnitude scores in Insane may simply suffer from an occasional nervous breakdown, while those with high scores may be completely psychotic and a danger to all around them. At any time during the course of an adventure, the GM may decide an Insane character will temporarily "lose control" and try to do something off. To fight this, they may choose to attempt a Willpower Save, adding their Insane score to the DC. If the Check fails, the character will immediately exhibit odd behavior; the higher the magnitude of their Insane score, the worse that behavior will be. At a score of - 15 or more, the GM may decide to have the character openly attack any other nearby characters.

## Intolerant

Characters with the Intolerant Complication have some kind of irrational grudge against a person, group or category of object. This can be members of other species, different ethnic groups or social classes within one's own species, certain classes of fighters, and so forth. If a character with this Complication must interact with someone or something to which they are ordinarily intolerant, they take a penalty to the DC of all Checks involving the object of their disgust equal to the magnitude of their Intolerant score. A character may choose to attempt to control their intolerance with a selfcontrol Check; success cancels the penalty for the current situation only. Characters may have the Intolerant Complication multiple times; each instance represents a group/object to which they are intolerant.

## Jealous

Characters with the Jealous Complication tend to become irrationally angry when listening and reacting to the fortunes of others. A character with this Complication will react negatively towards the object of their jealousy (a person, group or object). If forced to interact with it, the character may choose to make a self-control Check in order to contain their jealousy. Should the Check fail, the character will take a penalty to the DC of any Check made in which interaction with the object of their jealousy is required; the penalty is equal to the degree of failure of the Check. A character is allowed to take the Jealous Complication more than once; each instant represents another object towards which they are jealous.

## Lecherous

Characters with the Lecherous Complication are unusually enamored with the opposite sex and find it hard to control their libido whenever they have more than the briefest contact. Characters with this complication may choose to make a Check for self-control when they encounter a member of the opposite sex; if it fails, they must make a "pass" regardless of the potential consequences.

## Obsessed

Characters with the Obsessed Complication are so fixated on achieving a particular goal that anything that they can do to achieve it takes precedence over everything else in their life to the detriment of everything else. Such goals may include avenging the loss of something/someone
important to them, obtaining a particular item, participating in a particular event, and so forth. If a character is presented with an opportunity to do something that will enhance their chances of achieving the goal of an obsession, they may choose to make a self-control Check in order to resist the offer; if the offered a chance to fulfill the goal in full (or at least potentially fulfill it), an additional 25 points are subtracted from the DC of the Check. Should the Check fail, the character will do whatever has been asked of them regardless of the consequences. A character may take the Obsessed Complication multiple times, with each instance representing another obsession (a character with multiple obsessions should have a priority order established for them, particularly if fulfilling one obsession would result in the non-fulfillment of another).

## Overconfident

Characters with the Overconfident Complication tend to overestimate the strength of their position in crucial situations; they have a tendency to not prepare for those situations as well as they should, sometimes leading to disastrous consequences. If a character with this Complication is faced with a situation wherein they need to reconsider whether or not they've made adequate preparations and the outcome of the situation may be crucial, the character may choose to make a self-control Check. Failure of the Check will lead them to believe they can overcome the situation whether they actually can or not.

## Phobic

Characters with the Phobic Complication are unusually (and oftentimes irrationally) afraid of certain objects, people or situations. Phobias must be declared at the time of the character's creation and may never be bought off. The severity of a character's reaction when they come into contact with the object of their phobia depends on the magnitude of the Complication; characters with low scores may feel minor discomfort and may find it difficult to concentrate or perform involved tasks, while those with high scores can be deeply affected just by thinking about it and may go into a catatonic state when actually confronted by the genuine article. If they come into contact with the object of their fear, the character may choose to make a Willpower Save to overcome it with the Phobic score added to the DC. Should the Save fail, the character will take a penalty to the $D C$ to all Checks while still in contact with the object of their fear; the penalty is equal to the degree of failure of the Save. A character may take the Phobic Complication more than once, with each instance reflecting a unique fear.

## Tightwad

Characters with the Tightwad Complication do not willingly part with their money or personal property for any reason. If a character with this Complication is place in a situation wherein they must give up their money or property, they may choose to make a self-control Check. If the Check fails, the character will either attempt to haggle over the price further (if the Check fails by less than ten points) or simply refuse to pay up regardless of the consequences.

## Creating Characters

As previously mentioned, all players must create a character to be their alter-ego in the Wing Commander Universe. A GM will likely have to create many more characters throughout the course of their career, including patrons, allies, villains, bystanders and occasionally a player character or two for themselves. Knowing the steps involved in how to create a character from scratch is therefore crucial to everyone who plays the game.

A player does not necessarily have to create their own character for the campaign; a set of readymade characters are located towards the end of this guidebook for player use. The creation procedure is here for those who would still like the challenge of creating a unique character to represent themselves in the 27th century.

The steps involved in creating a character are as follows:

1. Determine if the character will be a "player character" (PC) or not.
2. Select the character's species and note the modifiers.
3. Determine the character's "hero level".
4. Select the character's Traits.
5. Spend points on the character's Attributes and Disciplines.
6. Spend points on the character's Skills and skill specializations.
7. Determine derived statistics.
8. Add any additional "finishing touches".

## Determine if the character will be a "player character" (PC) or not.

One of the biggest decisions a designer can make about a character is whether or not it will be controlled by a player and whether or not there's the possibility that, should the character begin life as an NPC, the character may become a PC later on. These decisions are up to the designer and should be made before the character creation process proceeds. If the character is a PC, the designer should either write their name in the Playerfield on the sheet (if they intend to be the one to play the character) or leave it blank (in all other cases). The designer may simply write "NPC" in the same field if the character is a non-player character (NPC).

Obviously, a player will need to create at the very least one player character for themselves, but there is nothing that says they cannot create more PCs or NPCs at any time; player-designed NPCs may be used in upcoming adventures if the gamemaster so wishes. Likewise, GMs will be primarily interested in creating NPCs for use in their adventures but may create PCs if they so choose; having a couple of readymade PCs available can save time should a new player want to join the game.

Because a few of the character creation rules can be a little confusing, an example will be provided at the end of each step in the process. A player is creating a character for a non-traditional Wing Commander campaign; they would like for their character to eventually fulfill the role of a ship's Doctor. The player has been instructed by the GM to create their character from scratch. Since this will be the designer's personal player character, this one's a no-brainer; the character will be a PC.

## Select the character's species and note the modifiers.

WCRPG uses a series of building point pools to determine the strength of Skills and skill specializations, which in turn determine the strength of the character's Disciplines and Attributes. The amount of points a character receives when they are initially created is largely determined by their species. A player should select a species for their character depending on the adventure the GM has in mind. For example, a traditional Wing Commander adventure would likely either require the character to be Terran or Kilrathi, but they could just as easily be a member of an allied or slave species if the GM has that sort of campaign in mind.

On the Character Reference Sheet, there is an area labeled Race Stats. Once the character's species has been selected, the designer should note the stats for that species in the box on the sheet, including the number of points in each of the three Point Pools (for Physical Atributes, Mental Atributes, and Disciplines). The remaining modifiers indirectly determine a character's derived stats and will help the player later on in the character creation process.

Our player knows that she is creating a PC for a non-traditional campaign. After checking with the GM to see what the campaign will involve, she elects to go ahead and create a Terran character; she names the character Lisa Freeman. Since Lisa's a Terran, the player records the Terran racial statistic values in the Race Stats box.

## Determine the character's "hero level".

Hopefully, a GM will have an idea of just how difficult their adventure will be before the character creation process begins. In certain situations, such as when the GM determines their adventure will be particularly difficult for newcomers or when the character is a newcomer to a campaign that has been going on for a while, they may elect to give players additional building points during the creation process. This establishes the character's "hero level". GMs are allowed to give as many additional building points as they wish but are generally encouraged to give out no more than 250 additional points for a beginning player character; part of the fun of the game is allowing the characters to grow as they go along, after all. A good rule of thumb when creating a new PC for an ongoing campaign is to add up the total number of points a PC involved in the campaign already has accumulated (preferably the PC with the lowest overall total) and give the new character a comparable amount about $80 \%$ or so of that total. If a GM is attempting to create a more seasoned character, they may use as many extra points as they think is appropriate; a thousand points (or more) may be necessary in order to create a character, such as a fully trained Confederation Navy captain or a legendary pilot. Somewhat seasoned characters may have between 250-500 hero points, veterans between 500-750 points and legends between 750-1,000 points. A GM never has to allow hero points; it's entirely at their own discretion. If a player is building a character without the guidance of a GM, they may add extra points for hero level but it is strongly recommended that the GM of any future adventure involving that character review it before they or another player attempt to use it.

Hero level building points are set into a general pool; these points may be assigned to any of the character's various Skills at a later time or used to help buy off Talents.

The GM of Lisa's campaign has decided to beef things up just a little bit and gives all players a mere 30 points to add to their general building point pools.

## Select the character's Traits.

After any hero points have been assigned to a character, the amount of general points available may be bolstered or reduced by assigning Traits to the character. There are three types of Traits: Complications, Talents, and Variable Traits. Strictly speaking, a character does not need Traits, but the rules make them mandatory; in addition to adjusting a character's available general pool of building points, Traits add a great deal of depth to a character right from the start. A character's Traits may even become the pivotal focus of an adventure (particularly when it comes to Complications, which are specifically designed to make life interesting...).

Complications are Traits that generally have negative consequences, which can potentially impact a character and their entire group severely. Examples of Complications are effects such as blindness, short-term memory, a social stigma of some kind, and so forth. To offset their negative impact, a character gains a number of general building points if they voluntarily take a Complication. The number of building points the character earns depends entirely on the severity of the Complication; the more severe the degree of the Complication, the more points they earn. Note that there are times during the


Dr. Freeman's Traits game wherein it is possible for a character to take a Complication involuntarily; the character does not earn building points in those instances. A character is usually stuck with the Complications they take and if a situation comes up wherein the Complication may apply, the situation must be role-played. If a player character is placed in a situation wherein a Complication has the potential to dictate their actions, the controlling player oftentimes, but not always, has the option to make a selfcontrol Check in order to keep the character from giving in to the dictates of the Complication, or just giving in; giving in is good role-playing and the GM should consider rewarding the player for it).

Talents are the polar opposite of Complications. Talents are Traits that generally have positive consequences, which can help a character perform tasks that would be impossible for the average Joe. Examples include sharpened hearing, eidetic memory, a head for numbers and so forth). Because they enhance a character's abilities, Talents cost a number of building points out of their general pool; the more powerful the Talent, the higher the cost. Players may pay for their Talents with points from their Attribute or Discipline pools but points in the general pool should be used first if they are available (more on resolving a building point deficit shortly).

The third type of Trait is the Variable Trait. Variable Traits are unique in that they can behave either as a Complication or a Talent and as a result they can either add building points to the character's general pool (if the Trait is taken as a Complication) or cost building points (if taken as a Talent). Variable Traits taken as Talents can also cause a building point deficit, which can be resolved in the same manner as regular Talents.

Characters are limited in the amount of Talents and Complications they may take. Beginning characters must have at least five points worth of Talents and five points worth of Complications, and no more than fifty points worth of either. It is recommended that a player character (particularly for a player new to role-playing in general) have no more than five Talents and five Complications total; note that this is a recommendation, not a rule. Variable Traits can be used to count towards a character's Talent/Complication tallies. Certain species have Traits as part of their racial abilities and
restrictions; where they are listed, the character must take those Traits; these have no effect on any building point pool but do count towards the character's Trait tallies.

Doctor Freeman already has 30 general building points from the campaign's hero level. Lisa's player decides that a few more points would be helpful, so she decides to have the character take on a few Complications. She decides to give Lisa a minor (5 point) Allergy to plant pollen, gaining five general building points. The Doc also probably took the Hippocratic Oath; that justifies taking a 15 point Creed to "Do No Harm". These Complications add 20 points total to her general pool, so Lisa now has 50 general building points.

Now the player moves on to Variable Traits. She wants Lisa to have good Nerves and at least a little Wealth. A good Education would also be nice. She decides to give Lisa 5 points worth of in each of these Talents. This takes 15 points from her general pool, leaving Lisa at 35 points. This almost entirely offsets the gain from her Complications, so she decides that Lisa has bad Luck (10 points) and a bit of a Temper (5 points). These add 15 points back into the pool, putting Lisa back at 50 total general building points.

Finally, the player looks at Talents. The Empathic Sense Talent is an obvious choice; she gives Lisa the full 25 points. Lisa is leff with 25 points in her general building point pool. She may not have a whole lot of points left there, but she's picked up a very powerful Trait in the process.

## Spend points on Attributes and Disciplines.

A character with any additional general building points left over at this point may spend the remainder however they see fit on their character's Discipline and Atribute point pools; the general building point pool must be emptied at this point in the character creation process. Should the pool have a negative number of points (i.e. if a building point deficit exists), enough points will need to come out of any combination of the character's other pools in order for the general pool to balance to zero exactly.

Once there are no more remaining points in the character's general building point pool, the time has come to "spend" the points in the various characteristics pools on the Attributes and Disciplines covered by those pools. Spending points simply involves making allocations to the appropriate characteristics; points from the physical Attribute pool are allocated to the Power, Finesse and Physique Attributes, the mental Attribute pool is allocated towards Intellect, Acumen and Charm, and the Discipline pool is allocated to the seven Disciplines. A player may choose not to allocate any points to any given Attribute or Discipline but must allocate all of the points in the point pools at this time; they cannot be "saved for later". Every ten points (rounded down) added to a characteristic imparts a +1 DC modifier to all Skills categorized underneath it.

## Under no circumstances is any Attribute allowed to have more than 150 points allocated to it at any

 point during the game. Similarly, all Disciplines may have no more than 250 points allocated to them at any time under any circumstances.After picking out Traits, Lisa's player decides that the 25 points left over from her character's general building point pool would be best spent on Skills under the doctor's Medicine Discipline. To facilitate this, she allocates all 25 points to the character's Discipline Point Pool. Lisa's point counts thus sit at 150 in her physical Atribute pool, 225 in her mental Attribute pool and 275 in her Discipline pool.

The player first considers Lisa's physical Attribute scores. Knowing that the Doc's health is of utmost importance and that it's likely her exposure to diseases might be higher than the average character, the player puts 65 points in Lisa's Physique. This will give her a +6 modifier to her Physique Skill DCs. It's likely that the Doctor would have to go into combat situations sometimes; not getting hit would be important in those cases. Realizing this, the player assigns 60 points to Lisa's Finesse. She


Medicine Discipline with Skill List and DCs also gets a +6 DC modifier to all Finesse Checks. This leaves 25 points in the pool for Lisa's Power score; she can move reasonably well and she's tough, but she's not particularly strong. She only receives a +2 DC modifier for Power.

Next on the agenda is Lisa's mental Attributes. Knowing that all three mental Atributes contain potentially useful Skills for a Doctor but given their need to sometimes be forceful with stubborn patients and their need for extensive medical knowledge, the player assigns 85 points from the pool to Intellect and Charm each, leaving 55 for Acumen. She'll get +8 DC to all Intellect and Charm Checks and +5 DC for all Acumen Checks.

Finally, the player moves on to Lisa's Disciplines. Though she is tempted to stick all 275 points directly into Lisa's Medicine Discipline, the player does not do so because there are other useful Skills in other Disciplines (not to mention the 250 point limit). After some consideration, the player puts 90 points into Lisa's Command Discipline and 80 points into her Science Discipline; Command contains several useful Skills and a Doctor may have some additional knowledge of practical science. The remaining 105 points go into Lisa's Medicine Discipline. With the final allocation of points to Medicine, Lisa's building point pools are completely empty.

## Spend points on character Skills and Specializations.

Once all the point pools have been drained, the time has come to spend the points the designer has allocated to the character's characteristics on the Skills that they cover. Each point spent on a Skill correlates to a +1 modifier to the DC of a d\% roll that requires it (called a Skill Check). A player may leave any Skill unmodified but must allocate all of the points given to a characteristic to any combination of the Skills listed under that characteristic; points cannot be "saved" to be applied later.

If a designer wishes, they may allocate points to a specific use of a given Skill. For example, if a character is supposed to be a particularly strong swimmer, the designer may want to spend points on "Swimming" instead of the more general ThreeDimensional Maneuvers Skill. These specific uses are called skill specializations. Specializing in a Skill has advantages and disadvantages. The primary disadvantage is that the bonus


Power and Finesse Attributes, with Skills, Attribute Specialization list and DCs involved with a specialization only applies to specific situations wherein the specialization applies; a player rolling for another use of its controlling Skill under a different circumstance may only use the Skill's score. Specializations provide no bonus to any Skill other than the one under which they are assigned. Points allocated to specializations come from the same characteristic pool as general Skills and count towards the overall count of points underneath the controlling characteristic. The main advantage of Skill specializations is that they allow a potentially huge advantage by further increasing the DC of the Check; when making a Check wherein a specialization is involved, the DC is the standard DC from the Skill (the bonus from the controlling characteristic plus the Skill's score) plus the
score of the specialization. Specialization Checks always count as a Check of their controlling Skill. There are no defined limitations on specializations, though a GM should always check with their players to make sure their characters haven't selected specializations that are too powerful or too general (for example, taking an "Instant Kill" specialization in Brawling is probably too powerful and "Piloting Fighters" under Vehicle Piloting is a bit too general, while "Piloting Confederation Heavy Fighters" is not). A character is allowed to have multiple specializations under a given Skill.

## Under no circumstances is a Skill allowed to have more than 25 points allocated to it at any point during the game. Similarly, no specialization may have more than 50 points allocated to it at under any circumstances.

Lisa's player decides to assign physical Skill values first. Lisa only has 25 points in Power; she decides to put all 25 points in Three-Dimensional Maneuvers, as that may help her move around a little easier. For Finesse, it's a split of 25 to Dodge and 35 to Dexterous Maneuvers. Since the allocated number of points to Dexterous Maneuvers would exceed the 25 point limit, the player elects to throw a few of those points into specializations; ten points will go to the general Dexterous Maneuvers Skill while another ten will go to "Cutting Straight Lines" (which makes sense for a Doctor) and fifteen will go into "Lockpicking", which is a useful and relatively generic adventuring skill. Twenty-five of the 65 points set aside for Physique Skills will go to Recuperation to allow the Doctor to heal quickly. This leaves forty points; she sinks ten of it into Stamina, ten into Concentration and twenty into "Concentrate During Surgery", a Concentration specialization.

Moving on to mental Attributes, she puts 20 in Resourcefulness and Cunning, ten into Knowledge and the remaining 35 points in Intellect into a Knowledge Specialization called "Diagnostic Medicine". She sinks ten of the 55 points she has in Acumen into both Perception and Survival, with 25 going to Performance and the ten remaining points going to "Clinic Duty", a Performance specialization. Finally, 65 points go into the doctor's Personality (20 to the general Skill, 20 to a "Debating" specialization and 25 to another specialization called "Defense of Diagnosis") and 20 goes into her Leadership.

Now the player moves on to Disciplines. None of the Command Skills are particularly crucial for the doc, but she nonetheless put 40 points in Inspire (to help out Shaken crewmembers, 25 to the general Skill and 15 to "Oratory") and 50 points in Security (25 in the general Skill and 25 in "Hand Lasers"; this will help out the doc's combat bonuses, which haven't received much attention up to now). She takes an even split (40 points apiece) in "Biology" (a Planetology specialization) and "Anthropology" (an Archaeology specialization), which the player intended. Note than in neither of these cases were points assigned to the underlying Skills; a player may do this, though the bonuses involved won't help out any other circumstances in which the doc will need to make a Planetology or Archaeology Check.

Finally, the player reaches Medicine, the doc's crucial Discipline with 105 points to spend in its pool. She'll get another 25 points to spend here from her Empathic Sense Trait, increasing the pool to 130 points total. While the player might have preferred to spend points on specializations, she realizes the general Medicine Skills will give Doctor Freeman the greatest degree of latitude. She puts the full 25 points into all five Medicine Skills and places the remaining five points into an "Emergency Surgery" specialization of Intensive Care.

## Determine derived statistics.

Once a character's final Skill scores have been determined, it is time to figure out their derived statistics. All characters have twelve derived statistics: hit points (HP), non-lethal hit points (NHP), strength index (SI), hit difficulty (HD), touch hit difficulty (THD), flat-footed hit difficulty (FHD), Initiative (INIT), Speed, Melee Attack Bonus (MAB), Ranged Attack Bonus (RAB), Fortitude Save (FSV), Reflex Save (RSV), and Willpower Save (WSV).

The first two derived stats are the character's hit point (HP) and non-lethal hit point (NHP) counts. These two counts are used as a measure of the amount of damage the character can sustain before passing out (in the case of NHP) or dying (in the case of HP). To determine a character's maximum HP and NHP counts, simply add their Physique DC Modifier to the HP amount indicated by the Racial Characteristics of the character's species; any Armor HP or NHP may be added to the HP counts if the character is so equipped.

The next derived stat is the character's strength index (SI). The Strength index is a measure of how well they rate in combat as opposed to


Derived Statistics Box other characters. A character's strength index is a combination of the sum of their hit points (including armor or shield hit points) and the strength of their strongest available weapon. Because this value is armor and weapon dependent, it can fluctuate greatly throughout the course of an adventure; the value recorded should be the maximum possible value for the specific character. The SI value is a basic method of "keeping score" and helps determine whether or not a character will withdraw from combat if given the opportunity.

Hit Difficulties (HD, THD and FHD) are a measure of how hard it is to hit and inflict damage on a character, whether in combat or in potentially lethal situations such as industrial accidents wherein no one necessarily intends to cause damage but damage could still potentially result. All characters have a set of three hit difficulty ratings. Normal hit difficulty (or HD) is how hard it is to hit the character under normal circumstances. Touch hit difficulty (THD) measures how hard it is to hit the character with a "touch" attack, an attack wherein the damage mechanism must directly come into contact with the character (such as an attack with a stun baton). Flat-footed hit difficulty (FHD) measures how hard it is to hit the character when they are surprised, i.e. when they don't have a reasonable expectation to take damage. HD ratings figure heavily into all forms of combat. All characters and lifeforms have a base rating to each HD count noted with the Racial Characteristics of the character's species. HD bonuses from any armor are subtracted from the character's HD and THD, while the character's Finesse DC modifier is subtracted from their HD and THD ratings. The final results of these calculations determine the character's HD ratings.

Initiative is a measure of a character's ability to react; higher Initiative scores can enable a character to go ahead of other characters in the order of battle, which is desirable particularly if combat is "turn-based". A character's Initiative value equals their Finesse DC Modifier.

Speed measures how much distance a character can cover over a given period of time. This stat, sometimes referred to as a character's base speed, measures how fast the character may move
without any extra exertion on their part; there are actions that allow a character to move at an increased rate. Characters have four speed ratings. The first is movement in meters per round, which is used for local movement and as a base measurement of how fast the character will move in combat. The second is movement in kilometers per hour, used for cross-country movement when a vehicle is not employed. The third and fourth measurements are the character's combat speed ratings, which measure the number of range increments the character may move in short-range and long-range combat respectively. Fractional combat speeds indicate how many rounds must pass before the character may move a single range increment. The speed of all characters is determined directly by their species.

All characters have two attack bonuses, their Melee Attack Bonus (MAB) and Ranged Attack Bonus (RAB). Both are used as bonuses to a character's attack rolls in combat situations; which one is used depends upon the mode of attack being employed. Both bonuses use one-fifth the character's Security Skill score (rounded down) as a base value. To determine the specific scores, the designer may add the character's Power DC modifier to the base value for the character's MAB and their Finesse DC modifier to the base value for the character's RAB.

Finally, all characters have three Save rolls: Fortitude Save, Reflex Save and Willpower Save. Saves are generally used in extreme situations wherein quick action on the part of the character can either prevent or mitigate serious consequences. Fortitude Saves are used in situations where a character's toughness can mitigate the situation (such as whether or not a character will contract a disease after they've been exposed to it). Reflex Saves are needed when the ability to move instinctively is needed (such as moving to avoid falling boulders or pulling the D-ring to eject from an exploding fighter). Willpower Saves are needed when mental fortitude is required to keep a character from doing something against their will (such as trying to avoid becoming paralyzed with fear after taking a nasty weapon hit). The determination of a character's Saves is dependent upon the value of certain Traits: their Health Trait score is used as the base for their Fortitude Save, Reflexes for their Reflex Save and Discipline for their Willpower Save. The designer must add the character's Physique DC modifier to the base value for their Fortitude Save, their Finesse DC modifier to the base value for their Reflex Save and their Acumen DC modifier to the base value for their Willpower Save. Finally, a value of thirty is added to all three Save values. The final results of these calculations become the DCs of the character's individual Saves.

Doctor Freeman's derived stats can now be determined. As previously mentioned, her Physique DC modifier is +6 ; this is added to the 60 base HP/NHP count for Terrans to give her an HP and NHP of 66 each $(60+6=66)$. Her Finesse modifier is +6 and she hasn't been given any armor yet. She also has no weapons yet, so only her HP counts towards her SI; her SI is also 66 for the time being. A Terran has a base HD count of 50/50/50 as listed in the species' Basic Characteristics. Lisa therefore has an HD and THD of 44 and an FHD of $50(50+0-6=44 ; 50-6=44 ; 50+0=50)$. Since her Finesse DC modifier is +6 , she has an Initiative value of 6 . As a Terran, she can move at 6 kph , 10 meters per round, 2 short-range combat increments, and one long-range combat increment every three rounds. She has 25 points in her general Security Skill; her base attack value is 5 (25/5 = 5). She adds +2 to that amount from her Power DC Modifier, making her MAB $+7(5+2=7)$. She also $a d d s+6$ for her Finesse modifier to the base amount, getting +11 for her RAB $(5+6=11)$. She didn't take any points in Health, Reflexes or Discipline, so the base value of all three of her saves is zero. She has a Physique modifier of +6 , a Finesse modifier of (once again) +6 and an Acumen modifier of +5 ; she therefore has a Fortitude Save DC of 36, a Reflex Save DC of 36, and a Willpower Save DC of $35(30+0+6=36 ; 30+0+5=35)$.

## Add any additional "finishing touches".

Once their derived stats have been calculated, a character is playable. The designer may stop at this point or they may choose to go on and add "finishing touches" to their character, depending on how many details of their character's life they wish to establish right away. Many good role-players will go on and add more details to their characters; doing so adds more depth to them and may explain some of the choices the designer made during their creation. A character's finishing touches can even serve as a launching point for an adventure.

There are a few "finishing touches" that should not be neglected:

- Name: If the character hasn't been named yet, now would be a really good time. Example names for characters of a given species are listed in the Onomastikon section of their profile along with the convention used by that species for names. If using a character record sheet, the character's name goes in the Character field.
- Gender: This may or may not be obvious from the name picked out for the character depending on the species. There are few real game effects that depend upon being male-versus-female-versus-something else; when they occur, they usually crop up during the course of gameplay.
- Billet: Occupation is another term for this trait - it describes the job the character performs for a living. This could be anything from a ship's captain to a lowly burger flipper out on some backwater outpost...
- Age: A character's age has some in-game effects and can therefore be a vitally important piece of information. There are six categories of ages for each species, known as life stages: Child, Adolescent, Adult, Middle Age, Old Age, and Venerable Age. It's generally assumed that a character being created with this procedure is in their Adult life stage, giving them time to gain the knowledge and experience reflected in their Skill scores. If this is not the case, their scores will need to be adjusted. Pre-Adult phase characters have temporary drains on their Atributes; if creating a pre-adult character, a designer should go ahead and assign their stats as with a normal character but make the following set of temporary adjustments when done. A Child takes a-20 DC penalty to all physical Attribute Checks, a-10DC penalty to all mental Attribute Checks except when they are learning Skills and automatically fail all Discipline Checks. An Adolescent takes a -5 DC penalty to all Atributes and must treat all Discipline Skill Checks as having a DC of 10 regardless of their actual score. The penalties on pre-Adult characters are lifted when the character reaches the Adult life phase. Post-Adult characters have permanent drains and bonuses to their Atribute Checks; a designer should create the character as normal but apply the bonuses/penalties to the character as needed. Middle-Aged characters take a -5 point drain to all physical Atributes and receive five points to all mental Attributes. Old-Aged characters take a -10 point drain to all physical Attributes and receive five points to all mental Attributes. Venerable Aged characters take a - 15 point drain to all physical Attributes and receive five points to all mental Attributes. Post-Adult gains and drains are cumulative with each life stage (i.e. a Venerable Age character will have lost a total of thirty points to their physical Attributes over their lifetime). Bonuses and penalties are applied when a character ages into the next age bracket for their species. When a character reaches Venerable Age, their controlling player should perform the Lifespan roll indicated in the species' Basic Characteristics for their character. The resultant age is their character's maximum age; when they finally reach the indicated age, the character will die from old age at some point prior to their next birthday.
- Height: This is an indication of the character's height. Along with the character's weight and the character's physical Attributes, this little factoid helps to indicate the character's overall build. Height can be determined via the die roll indicated in the character's race profile.
- Weight: This is an indication of the character's mass. Along with the character's height and physical Attributes, this little factoid helps indicate the character's overall build. Weight can be determined via the die roll indicated in the character's race profile.
- Size Class: Characters have a "Size Class", which is based upon a "bounding box" volume (the minimum required dimensions of a box needed to contain the whole of the character). A character's Size Class is directly determined by their species; the Size Class value is listed in the Basic Characteristics section of the corresponding race profile. Size Class is important for a number of actions that may take place during combat.
- "Handedness": This stat is called "handedness" for lack of a better term; it's entirely possible that a character has no hands whatsoever. Any character with motor appendages may use one of them more predominantly than the others; when a character has a dominant motor appendage, their "handedness" is in that specific appendage. For example, most Terrans use their right hand predominantly and are thus considered "right-handed"; their handedness is "right". Handedness is important in combat as using the non-dominant appendage (called "using the off-hand") can inflict significant penalties to certain actions.
- Equipment: After creating a character, it's not uncommon for a player to want to purchase vital tools. This includes weapons, armor, shields, computers, medicines, food and so forth. The amount of money a beginning character receives initially is dependent upon their Wealth Trait; the designer must multiply their Wealth Trait by 30 and add the result to $€ 900$ to determine how much money they receive. Note that characters who have Wealth as a Complication will begin with less than $€ 900$ and may in fact start out with no money at all if they have Wealth -30. Regardless of how much money they receive, a character receives one outfit free of charge except under unusual circumstances as determined by the GM. GMs may want to restrict the kind of gear available to beginning characters for a number of reasons.

Here are some suggestions for other details to add to a character; these are optional at the time of the character's creation:

- Distinguishing Marks: Distinguishing marks help to identify a character and make them unique among the many members of their species. These can be mundane (such as red hair, blue eyes, dark skin, etc.) or something more exotic (such as a jagged scar, third nostril, hypomelanism, etc.). Some of the more exotic marks may have game effects; a player should consult with a GM before giving their character an exotic distinguishing mark.
- History: No good role-player ever neglects their character's history. Characters don't just pop into the world, (unless they do; this is science-fiction after all). The vast majority of characters will have a backstory that includes such details as where they were born, the kind of place where they were raised, a family life and other events and experiences that ultimately lead them to where they are, who they are and why they do things the way in which they do them. Characters may have secrets about their life from their experiences; these little tidbits can become elements of an adventure or possibly even its main focus.
- Personal Goals: A logical outgrowth of a character's history is a series of personal goals, things that they want to accomplish in their life before they die. Personal goals may be widereaching (such as attempting to become a public official or opening up a successful business) or they can be relatively mundane (such as wanting to get married and start a family). As with their history, a character's personal goals may serve as a focus for an adventure as the character tries to fulfill them. All personal goals must be specific, measurable and achievable (provided that is in line with the character in question; insane characters, for instance, may have personal goals that are in no way achievable). Personal goals should also not be related to the character's chosen profession in any way. GMs should be willing to award a character that fulfills a personal goal with extra building points, the amount of which should be commensurate with importance of the goal fulfilled.
- Personality: All characters have personality, something which indicates how the character acts, what their likes and dislikes are, what makes them react in whatever way they react, whatever code of ethics they live by and their overall life outlook. If a character is a PC, it's best if their personality is compatible with that of the player; this makes being the character more natural for a player. A character's personality can change over time as the character grows, develops and has new experiences.

The addition of finishing touches does not have to be done at the time the character is created; indeed, they can be added through the course of game-play. The level of development a character reaches is entirely dependent upon the player who portrays them and how much work they want to put into their development.

Lisa's player decides to add a few details to her character. She



Dr. Freeman's "Finishing Touches" obviously already has both a name and a gender. She will be assigned as the Chief Medical Officer (i.e. the Doctor) aboard TCS Aberwyvern, an Exeter-class Destroyer. Since Lisa has some medical skill, the player decides that she has just completed a fellowship and is about thirty years old. This makes Lisa an Adult, so none of her stats need to be modified. The player rolls the dice for Lisa's height and weight; she is 1.9 meters tall and weighs 80 kilograms ... so she is taller than average for a female but of average build. Terrans are a Character Size Class 5 species; Lisa is also that Size Class. The player decides to make Lisa left-handed, fair-skinned, blonde-haired and blue-eyed, with pierced ears.

Lisa's Wealth Trait lets her start out with a little more money than normal for purchasing initial equipment ( $€ 1050$, to be exact). She selects a Military Service Uniform for her free outfit - which makes sense if she's serving on a Confederation Naval ship - as well as a Trouser Holster and a Satchel to hold all of her stuff. She arms herself with a Third Class Phased Shot Laser, a good weapon of variable lethality; she'll put it in her trouser holster. She purchases a First Class Ballistic Mesh as well as a Second Class Energy Shield, the latter of which she deploys in her uniform's holster pocket. She purchases a PDA and a Short-Range Communicator along with spare batteries for her gun and shield, all of which she places in her uniform pockets. She also purchases a chronometer, which she straps to her wrist. Finally, she purchases three Vita Kits, placing them in her satchel. After all of these purchases, she has €13.15 cash remaining. Her Ballistic Mesh inflicts a +1 penalty to all of her HD ratings, so her final HD ratings are 45/45/51. The Hand Laser can do 35 points of damage, the Ballistic Mesh offers 50 AHP of protection and the Energy Shield offers up 100 SHP. The Armor and Shield Hit Points are added into her HP and the gun damage is added into her SI along with the AHP and SHP, giving her a final SI of $251(66+35+50+100=251)$ and 216 HP total.

Now the player begins filling in personal details: Lisa was born into a middle-class family. She had a disease during her childhood (leukemia) and was subjected to a long medical stay in a hospital while
undergoing treatment; this led to her interest in medicine but also to a simmering resentment towards her situation and her life outlook, possibly explaining her somewhat bad Temper. Having ultimately been cured of cancer, Lisa recovered but never developed a lot of strength afterwards, hence her low Power score. In high school she was part of a track and field team; she wasn't so great at it, but at least it helped her keep limber and helped her develop some stamina. She ultimately went to medical school to fulfill her childhood ambition of becoming a doctor. She ultimately joined the Confederation Navy as a means of paying off her student loans after being fired from her fellowship with the renowned diagnostician Dr. Grigori Domom.

Lisa does have a bit of a Temper, so it can be hard for her to make new friends. So far it hasn't led her to any incidents of insubordination, but she is aware that it could happen actively tries to keep it reined in. She doesn't make friends easily, though she is generally easy-going towards the people she trusts. She will drop everything to help someone who is in need of medical help and remains steady in a crisis.

The player decides that's enough about Lisa for the time being but continues to consider what she'd like to do with the character. Meantime, the GM begins to tell a fateful tale about the crew of TCS Aberwyvern...

## Races

The Wing Commander universe is filled with many sapient races, each with their own unique way of looking at the universe. Selecting a race for a player's character is one of the most vital parts of any Wing Commander adventure. The GM of an adventure should be willing to inform the players what it will be about and who it will involve beforehand, so that the players may create characters that are appropriate for that adventure.

Campaign players have two options when it comes to their species: Terran or Kilrathi. WCRPG has many more options, but even then, it is recommended that beginning players limit their selections to those two main races for their initial forays.

Each playable race in WCRPG has its own profile, which includes the following information:

- Overview: This is a general introduction to the race.
- Personality: This describes the general stereotypical personality of members of a race. It also contains information on the race's primary cultural features.
- Physical Description: This describes the typical physical characteristics of the race in question, including average dimensions, bodily features, etc.
- Relations with Other Races: This indicates which other sapient races are on friendly terms with the race in question, which ones are neutral and which ones are hostile. It is unlikely that members of two races that are hostile towards one another would be in the same character group (though WC2 and half of WC3 make a notable exception with the inclusion of Ralgha nar Hhallas as a member of Concordia's and Victory's crew).
- Territory: This gives a broad description of where the race in question can be found. This can be as broad as the Sector level for major starfaring races or as narrow as single continents for primitive races.
- Onomastikon: This is a sample list of names that are typically used by that race, which gives a fairly good example of what conventions are used to name members of the species and can be particularly useful as a guide to naming a character.
- Motivation: This indicates the usual reasons why members of a race would want to go on an adventure, which can help to develop a character's backstory.
- Basic Characteristics: This lists the game statistics needed to build a member of the species. Any racial abilities the species features are listed and described here as well as their basic racial statistics.


## Terrans

Terrans (also known as Humans; Homo sapiens sapiens) are an intelligent, highly social, bipedal carbon-based species that originated on the planet Earth (Sol System, Terra Quadrant, Sol Sector). While technically only those Humans who are native to Earth are properly called Terrans, the appellation is usually applied to all of Homo sapiens sapiens by members of other species. In the five centuries that the species has been starfaring, the various


Bridge of TCS Victory with several Terrans in view factions of humanity have established several large states that collectively cover the majority of six whole Sectors (with significant populations in another three). The largest of these factions by far is the Terran Confederation, though other important Earth-origin groups include the Union of Border Worlds, the Free Republic of the Landreich and the Grovsner Colonies.

- Personality: Terrans in general have a strong need to explore and gather knowledge. They are clever, inventive, aggressive, tenacious, mildly territorial and possessive. Most Terrans care deeply for their families and will go to great lengths to protect their youth, often to the point of laying down their lives. These traits in general have enabled the spread of the species far beyond their homeworld and have ensured their survival despite countless bloody conflicts (not the least of which has been the ongoing conflict with the neighboring Kilrathi).
- Physical Description: Terrans are a bipedal omnivorous species with smooth skin and a characteristic mat of scalp hair. They are 1.5 to 2 meters in height and their skin ranges from light beige to dark brown in color. They have the highest body hair density of any Earthorigin primate but their hair is so fine that it is often invisible at all but the closest visual range (with the exception of the aforementioned scalp mat). Terrans have an internal skeleton and two small, narrow-set eyes that allow for binocular vision. While moderately weak physically, Terrans are highly flexible mentally and are particularly adept at theoretical modeling and in applications of logic and inference. Terrans are tetrapods, having a pair of motor and propulsive appendages that each exhibit five digits on their respective distal ends; the opposable thumbs on their hands has in particular granted the species a high degree of manual dexterity. As a cultural norm, they usually eat three times a day, though the species can go a maximum of about two weeks without food and four days without water under normal circumstances. Most adult Terrans require between seven and eight hours of sleep per standard twenty-four hour period; both younger and elderly Terrans may require up to twelve hours of sleep. Although there is a degree of sexual dimorphism in this species, the differences are generally insignificant. Reproduction is performed sexually; Terran females typically produce one offspring via live birth after a 40 -week gestation period.
- Motor Appendages: 2
- Visual Organs: 2
- Field of Vision: Optimal 120 degrees forward, Peripheral 200 degrees forward.
- Auditory Organs: 2
- Olfactory Organs: 1
- Gustatory Organs: 1


## - Propulsive Appendages: 2 <br> - Reproductive Organs: 1

- Relations with Other Races: As a rule, Terrans are open to the notion establishing friendships with many different peoples. The Firekkan people were members of the Confederation for close to a decade, until the race withdrew prior to the False Armistice in 2668; they still remain major allies of the Human factions. Kilrathi slave races such as the Varni and Wu are also generally welcome (if rare) within the Terran spheres. Terrans are neutral towards underdeveloped races such as the Mopoks, Dolosians and Oasians, and are diplomatically neutral towards minor starfaring races such as the Hagarin, Haggans and Jarma. Contact with the Double Helix has been limited to date mainly due to their mode of communication; attempts at communication have actually been fatal to the researchers involved, though Terran scientists and diplomats still hold out hope for peaceful co-existence with the enigmatic race. Terrans have had no contact with the Mantu to date. By far the race that has shown the most belligerency towards the Terran race is the Kilrathi, along with the few satellite races they have deigned to allow to freely exist (such as the Dioscuri). The Nephilim have also presented themselves as a major threat to the Terran spheres. The Confederation ultimately went to war with both of these races; the wars lasted for the bulk of the latter twothirds of the $27^{\text {th }}$ Century. The major Terran factions also have had mixed relations with one another; while nominally allies, the war-torn Union of Border Worlds and the stubborn, independently-minded Landreich have both on occasion been the subject of disdain and apathy by the Confederation government, a policy which has led to general distrust (the UBW and Landreich meanwhile are have very strong ties with one another).
- Territory: As previously mentioned, there are several sovereign Terran factions. The largest of these factions by far is the Terran Confederation, which holds the vast majority of the Sol, Argent, Avalon and Hawking Sectors (including all of the worlds of the former Pilgrim Alliance), all but a few systems of the Gemini Sector, a good chunk of the Enigma Sector (all but Isaac Quadrant is considered Confederation space), the Deneb Quadrant of Epsilon Sector, the Douglas and Day Quadrants of the Vega Sector and a small number of systems in the Landreich and Trk'Pahn Sector. The Union of Border Worlds is situated in a long "strip" along the border between the Terran Confederation and the Kilrathi Empire (hence its name), from the Roberts and Downing Quadrants in Vega Sector, through the Deneb and Antares Quadrants in Epsilon Sector (with some territory in Sa'Khan Quadrant) and into parts of the Isaac and Roddenberry Quadrants of Enigma Sector. The Cabrea System (Grills Quadrant, Enigma Sector) and New Plains System (Gonwyn Quadrant, Landreich Sector) are also part of the UBW. The Free Republic of the Landreich is confined to the Gonwyn and Tara Quadrants of Landreich Sector. A smaller Terran faction is the outlying Grovsner Colonies, consisting of the Grovsner and Etruria systems on the border of Confederation and Kilrathi space in the Tr'k Hara Quadrant of Trk'Pahn Sector. Finally, the Tri-System Confederation is a starfaring Terran faction located in the Isaac, Hom and Irrulan systems, none of which are connected to the same network of Akwende jumps as the other Terran factions.
- Onomastikon: The nature of Terran onomastics varies depending upon the regional culture of origin. For the most part, a Terran name consists of a forename and a surname. Major deviations from this norm include names of Middle Eastern origin (which can include elements such as names of ancestors, descendants, places of origin and so on), names of Far Eastern origin (where the name structure is generally reversed) and names from a few cultures that previously assigned mononyms to individuals. Terran forenames are generally assigned to individuals upon birth by the individual's parents along with any mesonames. Most forenames have an underlying concept or meaning, though the importance of this concept has been lost in most Terran cultures over the centuries. Surnames are generally passed down through generations and were chosen by the families involved centuries ago based upon their location, occupation or a noteworthy family patriarch; to this day, the vast majority of Terran surnames are patronymic in origin. A full Terran onomastikon would be exceptionally large; the following sets of names should be considered as examples.
- Male Given Names: Ali, Chris, Dan, Denis, Domingo, Evan, Faruq, Fenris, George, Glen, Herman, Ian, James, Jeff, John, Joseph, Keith, Kenii, Kien, Kiyoshi, Michael, Paul, Peter, Raphael, Rashid, Stephen, Todd, Vasili, Warren, William.
- Female Given Names: Adele, Amanda, Andrea, Anne, Arianne, Bernice, Beverley, Camilla, Chuki, Clarice, Danielle, Della, Devika, Elizabeth, Fatima, Gabriella, Hawa, Helen, Hermione, Iola, Jeanette, Kristi, Madeline, Mariko, Naomi, Padma, Sabine, Tamara, Ursula, Wendy.
- Family Names: Berdak, Blair, Bourbonnais, Casey, Chun, Clemenceau, Devereaux, Fukushima, Gagarin, George, Halcyon, Hausmann, Hideyoshi, Isaac, Johnson, Khumalo, Knudsen, Kwetche, Lee, Loubet, Marshall, McConnell, Melekhin, Miles, Miller, Muchow, Muller, Ndango, Newman, Ngidhe, Oberhammer, Ono, Putin, Rimbaud, Roberts, Rogers, Sanger, Spector, St. John, Taggart, Tanaka.
- Motivation: Terrans tend to be quite daring and ambitious; they will go on adventures simply for the experience. They are also a very inquisitive and curious people as a rule, and the drive to explore the universe is one of the major reasons why they have such a prominent interstellar presence. Other Terrans are driven solely by the lure of a fast buck, the prestige involved and the machismo that comes from adventuring. Finally, many of them see their role in Terran society as defender of the future of the species from enslavement or extinction; many Terrans travel far from their homes simply to aid in their defense.
- Basic Characteristics:
- Size Class: C5
- Base HP: 60
- Base HD: 50/50/50
- Physical Atribute Building Point Pool: 150
- Mental Attribute Building Point Pool: 225
- Discipline Building Point Pool: 250
- Genders: 2
- Life Stages: Adolescent at 13 years. Adult at 18 years. Middle age at 40 years. Old Age at 60 years. Venerable Age at 80 years.
- Lifespan: $80+4 \mathrm{~d} 10$ years.
- Height (Male): $1.5+(1 \mathrm{~d} 5 \times 0.1)$ meters.
- Height (Female): $1.4+(1 \mathrm{~d} 5 \times 0.1)$ meters.
- Mass (Male): $40+(($ same 1 d 5 from height $+1 \mathrm{~d} 5) \times 10)$ kilograms.
- Mass (Female): $30+(($ same 1d5 from height $+1 \mathrm{~d} 5) \times 5)$ kilograms.
- Speed: Runner (Biped) - $6 \mathrm{kph}(10 \mathrm{~m} / \mathrm{rd}$ ); 2 (short-range combat), $1 / 3$ (long-range combat)
- Trade Value: €740
- Racial Abilities and Restrictions:
- Complex Origins: Terran characters may use one of the following "templates" if approved by both the GM and the player involved:
- Colonial: The character is a citizen of the Union of Border Worlds, Free Republic of the Landreich or Grovsner Colonies. They are generally treated as foreign citizens in the Confederation and mistrust that group. Colonials have Social Status at -5 and Intolerant (Confederation Citizens) at -2.
- Pilgrim Descent. The character has Pilgrim ancestry. They are very adept at space navigation but are generally hated by the Confederation populace (particularly early in the Terran-Kilrathi War). Pilgrims have Navigational Sense at +15 and Hunted at -5 .
- Lancer. The character is either a genetically-enhanced member of an illegal top secret Confederation black ops program or a descendant of such a person. Lancers have a full array of modifications: they begin with 250 points in both Attribute Pools, 300 points in their Discipline Pool and have Discipline, Nerves, Memory and Health all at +10 . They also have Reputation, Hunted, Intolerant and Overconfident all at -10. Characters may not use this template for adventures dating prior to 2665 .


## Kilrathi

The Kilrathi (Feliduocrura kilrah) are a race of sapient, bipedal felinoids from the planet Kilrah. A warrior race, the Kilrathi are largely belligerent towards every other species in existence (and are often that way even amongst themselves). Over their documented three centuries as a starfaring species, the Kilrathi have been responsible for the extermination and enslavement of over a dozen species, including the Shata, Utara, Eyoka, Hari, Gorth, Ka, Sorn, Utara, Varni and Wu. Much of their hostility can be attributed to their legends of "Star Gods"


Prince Thrakhath nar Kiranka, a Kilrathi. who defeated the Kilrathi in a war many centuries ago and promised to one day return and bring destruction should they ever fall to an unworthy foe. These legends formed the basis of Kilrathi culture, gave rise to the Cult of Sivar (the only Kilrathi religion) and have as a result led to the pain and suffering of countless members of other species.

- Personality: Kilrathi are believed to have evolved from carnivorous pack-hunters, resulting in their belligerent and expansionist behavior; their predatory instinct permeates their entire culture (including their architectural style, which tends toward polygonal structures with razorsharp points). They are natural guerrilla fighters and pack hunters by nature. Obviously, anything the Kilrathi intellect can overrule anything their instinct suggests, but the pack hunter paradigm is the one that comes most naturally to them and is therefore the one they will turn to under stress or when they believe they have the advantage. Kilrathi are bred and raised in a warrior society, which itself is built upon the tenets of honor and strength of the individual. The society is class-based, with the nobility (thrak'hra) holding power over the commoners (kilra'hra) and a single religion centered around Sivar, the Kilrathi God of War, to which all Kilrathi are expected to pay due deference. The nobility is composed of eight Great Clans to whom all Kilrathi share some allegiance: nar Caxki (known for their military prowess), nar Qarg (known as strategists; they have a long-standing feud with the nar Ragitagha clan), nar Ki'ra (clan of the Hunters, known as intellectuals and considered the most noble of the Clans), nar Kur'u'tak, nar Kiranka (the Imperial Clan, known as administrators, organizers and planners), nar Ragitagha (the most widespread clan, known for their mastery of psychological warfare), nar Sutaghi (a powerful Clan of religious leaders; they mostly control the Cult of Sivar), and nar Sihkag (smallest and least of the great Clans; they act as liaison between the nobility and commoners and serve as secret police and spies). One's loyalties in Kilrathi society are expected to be to the race first and clan second, though there are many documented instances where this is not the case. Obedience to one's superiors without question is the most basic and pervasive social tenet of Kilrathi martial culture. Imagination and creativity are only encouraged in senior commanders and nobles. This makes many Kilrathi seem fairly single-minded; they tend to focus only on a specific goal and see to it that
it is carried out at all costs. Any insult or challenge is grounds for a struggle to the death in Kilrathi society; it is in fact punishable by death for a warrior in the Kilrathi military to back down from single combat. The friendship of a Kilrathi is hard-won, usually requiring something perceived as an act of great honor by the kil involved.
- Physical Description: As with most felids, Kilrathi are obligate carnivores; while they do occasionally consume small amounts of plant material, they lack the physiology required to digest it efficiently. Kilrathi share many of the same basic characteristics as other felids, including flexible, muscular bodies, a pelt of fur that ranges in color from brown to golden yellow (sometimes marked with distinctive spots, stripes and/or rosettes of varying colors; Kilrathi nobility tend to have very distinctive patterns), a raspy tongue, a strong sense of smell and hearing, and a tapetum lucidum to assist with vision in low-light conditions. The major difference between Kilrathi and other cats is their mode of locomotion; Kilrathi are bipedal and plantigrade. Their bipedalism frees up their forelimbs to act as motor appendages; their carpals are much longer than those of other felids, giving them a great deal of manual dexterity. Kilrathi hands have three fingers along with an opposable thumb; this feature partially explains the foundation of Kilrathi mathematics on a base-8 system. Physically, Kilrathi are a little over two meters in height and average about a hundred kilograms in mass. Kilrathi are significantly stronger than humans, with a warrior being able to dead-lift about 700 kg overhead. Kilrathi have teeth and claws, both of which are exceptionally powerful; Kilrathi claws are capable of cleanly severing a Human spinal column with a single swipe. Adult Kilrathi require somewhere between five to seven kilograms of meat per day and can go for about eleven days without food (though it should be noted that starving Kilrathi are quite cranky). Kilrathi prefer to gorge themselves on prey when possible and lay torpid for a period of two hours or so afterwards to aid in digestion; the necessities of space flight and war often preclude this, forcing them to use a more "civilized" form of meal-taking. Prior to their achievement of spaceflight, Kilrathi could sleep for up to sixteen hours a day (owing to the large amount of energy spent hunting). Modern Kilrathi don't require quite as much sleep, but they still usually spend anywhere from ten to twelve hours sleeping each day when possible. Kilrathi reproduce sexually, with females entering into a state of estrus about once every three months or so, which lasts for around two weeks. Their gestation period is approximately 110 days, after which the female will give live birth to one or more cubs; single births are by far the most common, but litters of up to four at once have been recorded.
- Motor Appendages: 2
- Visual Organs: 2
- Field of Vision: Optimal 110 degrees forward, Peripheral 200 degrees forward.
- Auditory Organs: 2
- Olfactory Organs: 1
- Gustatory Organs: 1
- Propulsive Appendages: 2
- Reproductive Organs: 1
- Relations with Other Races: In general, the Kilrathi see all other races as falling into one of two categories, bak (a fellow predator who may be a threat) or ukta (prey-food). Either way, Kilrathi are naturally predisposed to be mistrustful of all forms of life other than their own. This is true of their nominal allies (such as the Dioscuri), their slave species (such as the Varni and WU), species that conduct trade with them (such as the Hagarin, Haggan and Jarma) and their enemies (species such as the Mantu and Firekkans). Any species with which they are neutral are that way because they have limited interactions with them (Mopoks) or due to treaty (Oasians). Only three species have seriously challenged the superiority of the Kilrathi: Terrans (with whom they are at war), the Mantu (whom they were unable to conquer), and the Nephilim (whom, ultimately, are the only race the Kilrathi well and truly fear).
- Territory: The Kilrathi Empire is a vast domain; it consists of the entirety of the Vukar Tag, Kilrah and M'shrak Sectors as well as the vast majority of Trk'Pahn Sector (all but five systems belonging to the Confederation and Grovsner Colonies in the Tr'k H'hra Quadrant). Kilrathi holdings also include about half the Antares Quadrant, most of S'Khan Quadrant and all of the Tr'L Rass Quadrant in Epsilon Sector, and all of the Hralgkrak Quadrant in the Landreich Sector (with some holdings in the Gonwyn and Ral'lfra Quadrants). The Kilrathi also hold nine systems in Vega Sector, four in the Isaac Quadrant of Enigma Sector and three in the Clark Quadrant of Gemini Sector. The Kilrathi are known to have additional territorial holdings in the domain of the former Hari Empire (where they built their Hakaga-class carriers and Hvar'kann-class dreadnoughts); their exact extent is unknown.
- Onomastikon: Kilrathi onomastics uses a set of conventions not unlike those seen during Japan's feudal era. Most Kilrathi have at least two names; those who have but a mononym are usually utak (privy workers), the lowest members of Kilrathi society. Kilrathi forenames are generally given to cubs during a special ceremony on their fourth birthday; in ancient times, few Kilrathi would live to reach this age and those who did had a much higher chance of surviving into adulthood. The forename is usually two syllables long, though there are a few single syllable names that are widely used. They convey some kind of personality trait or concept, either one expected to be displayed by the youth in their future or one that's already been observed. Few Kilrathi have meso-names; usually these indicate a notable ancestor. Surnames are most commonly based on the location of an individual's home planet, but can also be based on clan affiliation, birthplace or notable ancestry. The form of surnames is largely dependent upon the level of nobility of an individual kil. Noble Kilrathi use one of six honorifics as a precursor to their surname: nar, lak, dai, jaq, lan and ko. Nar is the most common honorific used by Kilrathi and denotes a clan name, either one of the eight Great Clans or one of their offshoots (/ak is more common for the offshoot clans). Dai (a formal variant of hrai-family, which itself is reserved for formal retainers of high-ranking nobles) is sometimes seen in Kilrathi names preceding a specific family name, which then usually proceeds the clan name. Jaq is also used in this capacity, though usually only by Kilrathi of lower rank. Finally, the lowest-ranked noble Kilrathi will either use lan or ko in their name, used specifically to denote community of birth or the family's profession, respectively. Lan and ko are sometimes used by commoners; the absence of an honorific automatically indicates a kil of common birth. Kilrathi do not tolerate the use of nicknames. Their names in general tend to be harsh and guttural, with " C " and " G " sounds almost always pronounced hard. Vowels are almost always pronounced short.
- Forenames: Akhjer, Arrak, Bakhtosh, Bhurak, Buktag'ka, Butlav, Cakg, Dakhath, Dawx, Druvakh, Gar, Ghairahn, Ghellen, Drakj'khai, Ghradhark, Ghraffid, Gilkarg, Graknala, Hassa, Hrothark, Jamuka, Joor'ath, Joor'rad, Jorkad, Julgar, Kahl, Karga, Kavark, Khaija, Khasra, Khrell, Ktlan, Kuraq, Kurthag, Largka, Mirrach, Naghrah, Najii, Nerrag, Nrallos, Ratha, Ralgha, Rakti, Rusmak, Talmak, Tarros, Thrakhath, Ukar, Vak, Vak'ga, Vorghath, Vurrig.
- Surnames: dai Nokhtak, dai Ragark, jaq Rhang, Jhorrad, ko Lannis, lan Dorv, lan Mraal, lan Vharr, Ian Vrenes, nar Caxki, nar Dhollas, nar Dhores, nar Ghorah Khar, nar Hhallas, nar Hravval, nar Ja'targk, nar Kiranka, nar Poghath, nar Ragitagha, nar Raktha, nar Sihkag, nar Sutaghi, nar Ta'hal, nar Tsahl, nar Val, nar Volles, Tukarg.
- Motivation: The predatory instinct gives a Kilrathi all the motivation they'll ever need. Many Kilrathi warriors leave the comfort of hearth and home just to seek the chance for glory and battle amongst the stars, to sink their teeth and claws into the flesh of their enemies. The few in their society who do not do so are the infirm, the elderly (of which there are very few) or those whose function is to serve the greater good of the whole race. To not seek the glory of the hunt when one is capable of doing so is viewed as a great dishonor to one's self, one's family and one's clan; it's often only a matter of time before one of these kil is challenged by a relative looking to redeem their honor.
- Basic Characteristics:
- Size Class: C6
- Base HP: 70
- Base HD: 53/50/53
- Physical Atribute Building Point Pool: 175
- Mental Attribute Building Point Pool: 200
- Discipline Building Point Pool: 270
- Genders: 2
- Life Stages: Adolescent at 8 years. Adult at 22 years. Middle age at 38 years. Old Age at 55 years. Venerable Age at 72 years.
- Lifespan: $76+8 \mathrm{~d} 5$ years.
- Height. $1.88+(1 \mathrm{~d} 5 \times 0.27)$ meters.
- Mass: $78.75+((1 \mathrm{~d} 5$ from long dimension $+1 \mathrm{~d} 5) \times 5.25)$ kilograms.
- Speed: Runner (Biped) - 10 kph ( $16 \mathrm{~m} / \mathrm{rd}$ ); 3 (short-range combat), $1 / 2$ (long-range combat)
- Trade Value: €1,150
- Racial Abilities and Restrictions:
- Warrior's Talons. Kilrathi have both fangs (22 Lethal Damage) and claws (30 Lethal Damage).
- Night Vision. Kilrathi have the Enhanced Visual Sense special ability; they can see clearly in low light conditions.
- Enhanced Senses. Kilrathi are natural born hunters with enhanced senses. All Kilrathi have Senses (Sight), Senses (Smell) and Senses (Hearing) all at +5 .
- Warrior's Code. Kilrathi society is based upon a strict code of honor; those who violate it are expected to commit ritual suicide in atonement (Creed at 25).
- Va ka garga ka naru ha garga. "Those not of the blood must have their blood spilt"; Kilrathi are Intolerant of non-Kilrathi at -10.


## VEFiCLES ADD CAPiLaL SFiPS

This section contains the brief list of canonical and semi-canonical fighters and capital ships used by both sides in the Terran-Kilrathi War around mid-2669, the time period just prior to the beginning of WC3. Each entry contains the following pieces of information:

- Name: This lists the design number of the craft (where such information is available) as well as the common name by which the craft is known.
- Chassis/Weight: This lists the specific chassis and weight categories upon which the vehicle's design is based.
- Size Class: This lists the vehicle's Size Class as well as its maximum calculated bounding box volume (in cubic meters).
- SI: This is the vehicle's Strength Index assuming no damage and a default Gun loadout.
- Cost: This lists the vehicle's cost per unit in credits.
- HD/BHD/FHD: This lists the vehicle's hit difficulty numbers. Standard HD is listed HD first, followed by blast hit difficulty next and ending with flat-footed hit difficulty.
- INIT: This lists the vehicle's Initiative rating as well as its Engine Class.
- Max Speed: This lists the vehicle's top speed along with any top afterburner speed if applicable and the combat speeds associated with both values. Combat speed ratings preceded by a plus sign indicate extra movement points designated solely for use in turning maneuvers.
- SHP: This lists the vehicle's maximum Shield Hit Points as well as the specific Class of Shield installed on the vehicle.
- AHP: This is the vehicle's Armor Hit Points; its specific armor type and thickness are also listed here.
- Guns: This is lists the default Guns installed on the vehicle. Each specific Gun includes data on its re-fire rate, maximum range and damage capacity, in that order.
- Ordnance: This lists out the default Ordnance installed on the vehicle. Like Guns, data on the ordnance's re-fire, optimal range, maximum range and damage capacity are listed with each specific weapon.
- X: This lists any special weapon or capability of note the vehicle may possess.
- Crew/Passengers: This lists a vehicle's standard compliment; the standard size of the crew is listed first followed by any passenger capacity it has available.
- Cargo Capacity: This lists the vehicle's maximum cargo capacity; an outline of what contributes a specific amount to that capacity is also included.
- Accessories: This lists the specific accessories installed on the vehicle. This section includes any Weapons Stations installed on the vehicle. Specific numbers and types of weapons will be outlined in this section; should a weapon be listed without a number, it should be assumed that it is installed on all occurrences of their associated Weapon Station type.
- Flaws/Bonuses/Notes: These sections list any further additional items of note about a particular vehicle, including any universal design flaws, added bonuses or major design variants.


## Terran Craft

## Crossbow

## A-18 Crossbow Medium Bomber

| Chassis/Weight: Medium Military Fightercraft |  |  | Size Class: $10\left(3,313.51 \mathrm{~m}^{3}\right)$ |  |
| :---: | :---: | :---: | :---: | :---: |
| SI: 730 | Cost: €309,936,450 | HD/BHD/FHD: 25/36/32 | INIT: +9 (Seventh Class Engine) | Max Speed: 370 kps (2) |
| $\begin{aligned} & \text { SHP: } 250 \\ & \text { (Third Class } \\ & \text { Shields) } \end{aligned}$ | AHP: 225 (Plasteel; 2.25 cm ) | Guns: Mass Driver Cannon, Heavy LongRange (5/3/45) <br> Neutron Gun, Standard (4/3/30) | Ordnance: Friend-or-Foe (IFF), Standard (1/8-12/170) <br> Torpedo, Mk. IV (6/4-16/2000) | X: Tractor Beam |
| Crew/Passengers: 2/0 (2 $0.78125 \mathrm{~m}^{3}$ Airplane Seats) |  |  | Cargo Capacity: $0.8 \mathrm{~m}^{3}$ ( $0.8 \mathrm{~m}^{3}$ base) |  |
| Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Modified Chassis +4, Scout Module, ECM Module (-5 HD), Akwende Drive, Ejection Seat, Collapsible Sections, Tractor Beam, Auto-Repair System (+25), Tracking Computer, ITTS, Weapons Station x13 (Gun Hardpoint x5 (Forward Narrow; Mass Driver x3, Neutron Gunx2), Dual Gun Barbette x1 (Aft Wide; Neutron Gun), Light Ordnance Hardpoint x3 (Forward Narrow; IFF), Heavy Ordnance Hardpoint x4 (Forward Narrow; TORP)). |  |  |  |  |

Flaws/Bonuses: None.

## Stiletto

| F-71 Stiletto Light Fighter |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Super Light Military Fightercraft |  |  | Size Class: $6\left(299.73 \mathrm{~m}^{3}\right.$ ) |  |
| SI: 215 | Cost: €99,033,880 | HD/BHD/FHD: 11/25/18 | INIT: +9 (Seventh Class Engine) | Max Speed: 500/1,400 kps (3/8 (+1)) |
| $\begin{aligned} & \text { SHP: } 85 \\ & \text { (First Class } \\ & \text { Shields) } \end{aligned}$ | AHP: 78 <br> (Plasteel; 0.78 cm ) | Guns: Mass Driver Cannon, Civilian Grade (2/4/26) | Ordnance: Heat Seeker (LHS), Light (1/6-9/160) | X: None |
| Crew/Passengers: 1/0 <br> (1 $0.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: None |  |
| Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Scout Module, Afterburner (x2.80), Maneuvering Thrusters, ECM Module (-5 HD), Ejection Seat, Collapsible Sections, Auto-Repair System (+25), Gun Cooler + 1, Tracking Computer, ITTS, Weapon Station x4 (Gun Hardpoint x2 (Forward Narrow; Mass Driver), Light Ordnance Hardpoint x2 (Forward Narrow; HS)). |  |  |  |  |
| Flaws/Bonuses: None. |  |  |  |  |
| NOTES: There is no canonical source for the size of this craft. The listed size is based on images of the craft's model and should be considered an estimate at best. |  |  |  |  |
| This craft can be fitted with Image Recognition (IR), Civilian Grade (1/6/9/170) in place of the Heat Seekers. The cost of the craft increases to $€ 100,253,880$ in this configuration; it otherwise uses the same set of stats. |  |  |  |  |

## Аггоw

| F-27/L Arrow Light Fighter |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Medium Military Fightercraft |  |  | Size Class: 9 (2,072.42 m ${ }^{3}$ ) |  |
| SI: 2,788 | Cost: €253,268,950 | HD/BHD/FHD: 24/36/31 | ```INIT: +9 (Seventh Class Engine)``` | $\begin{gathered} \text { Max Speed: } 520 / 1,400 \\ \text { kps }(3 / 8(+1)) \end{gathered}$ |
| SHP: 2,000 <br> (Second Class Capital Ship Shields) | $\begin{gathered} \text { AHP: } 700 \\ \text { (Tungsten; } 2.5 \mathrm{~cm} \text { ) } \end{gathered}$ | Guns: Laser Cannon, Military Grade (6/5/20) Ion Cannon, Standard (4/5/24) | Ordnance: Heat Seeker (HS), Standard (1/6-9/400) Image Recognition (IR), Standard (1/8-24/250) | X: None |
| Crew/Passengers: 1/0 <br> ( $10.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: $0.4 \mathrm{~m}^{3}$ ( $0.4 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Modified Chassis +3, Scout Module, Afterburner (x2.69), Maneuvering Thrusters, Autoslide Thruster Assembly, ECM Module ( -5 HD), Capital Ship Shield Adapter, Ejection Seat, Countermeasure Pod Dispenser ( 16 charges), Auto-Repair System (+25), Gun Cooler +3, Tracking Computer, ITTS, Weapon Station x 8, (Gun Hardpoint x4 (Forward Narrow; Laser x2, Ion x2), Dual Light Ordnance Hardpoint x4 (Forward Narrow; HSx2, ImRecx2)).

## Flaws/Bonuses: None

NOTES: This craft may accept any type of Light Ordnance common to the era; the listed statistics reflect the default armament of this craft.
This craft was also operated by certain pirate groups between 2669 and 2675. The default armament used by pirate groups is two Dumb-Fire (DF), Heavy ( $1 / 2-15 / 800$ ) and two Heat Seeker (HS), Standard (1/6-9/400) missiles in lieu of the normal loadout. The cost of this variant is $€ 242,768,950$; it otherwise uses the same set of stats.

## Excalibur

| F-103 Excalibur Space Superiority Fighter |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Medium Military Fightercraft |  |  | Size Class: $10\left(4,172.16 \mathrm{~m}^{3}\right)$ |  |
| SI: 3,782 | Cost: €579,442,250 | HD/BHD/FHD: 28/39/35 (03/39/10, Cloaked) | INIT: +9 (Seventh Class Engine) | Max Speed: 500/1,300 kps (3/8 (+1)) |
| SHP: 2,500 <br> (Third Class Capital Ship Shields) | $\begin{gathered} \text { AHP: 1,100 } \\ \text { (Tungsten; } 5.5 \mathrm{~cm} \text { ) } \end{gathered}$ | Guns: Tachyon Gun, Standard $(4 / 3 / 56)$ <br> Reaper Cannon, Heavy (5/5/35) | Ordnance: Image Recognition (IR), Standard (1/8-24/250) | X: Cloaking Device |
| Crew/Passengers: 1/0 <br> (1 $0.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: $0.8 \mathrm{~m}^{3}$ ( $0.8 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Modified Chassis +6 , Scout Module, Afterburner ( $\times 2.60$ ), Standard Cloaking Device, Maneuvering Thrusters, Autoslide Thruster Assembly, ECM Module (-5 HD), Capital Ship Shield Adapter, Akwende Drive, Ejection Seat, Countermeasure Pod Dispenser (30 charges), Auto-Repair System (+25), Tracking Computer, ITTS, Weapon Station x10 (Gun Hardpoint x6 (Forward Narrow; Tachyon x2, Reaper x2), Triple Light Ordnance Hardpoint x4 (Forward Narrow; ImRec)

## Flaws/Bonuses: None.

NOTES: These stats represent the original production model introduced in 2669. This model may be reconfigured with a single Heavy Ordnance Hardpoint loaded with a single Y22A-1 Temblor Bomb (1/5-50/Special). When in this configuration, the craft's cost becomes $€ 12,565,942,250$ and it gains the Sluggish Handling flaw (INIT is lowered to +8 ); it otherwise uses the same set of stats. It may also use any type of standard light ordnance appropriate to its period; these stats represent its default loadout.

A post Terran/Kilrathi War-era (2670-2677) version of this craft exists. This variant replaces the Guns with four Tachyon Gun, Heavy (4/3/70) and two Ion Cannon, Enhanced ( $4 / 5 / 30$ ), the Triple Light Ordnance Hardpoints with Dual Light Ordnance Hardpoints, reduces the total number of Image Recognition Missiles to four, adds four Heat Seeker (HS), Standard (1/6-9/400) missiles and reduces the number of decoys to 16 . The cost of this variant is $€ 551,518,250$ and its SI is 3,800 ; it otherwise uses the same set of stats.

A final variant of this craft from the early Nephilim War era (2678-) exists. This variant sports stronger shields and a faster engine; it has Sixth Class Capital Ship Shields for 6,000 SHP and an Eighth Class Engine, for an Initiative value of +10 and speed ratings of $650 / 1,300 \mathrm{kps}(4 / 8$ $(+1)$ ). Its Gun armament is changed to four Tachyon Gun, Heavy Long-Range (3/4/70) and two Ion Cannon, Enhanced ( $4 / 5 / 30$ ). It also replaces the Triple Light Ordnance Hardpoints with Dual Light Ordnance Hardpoints and lowers the number of ImRecs to four; four Friend-orFoe, Long Range (LRIFF) (1/8-24/250) missiles are added to the mix. Finally, this variant carries 36 decoys. The cost of this variant is $€ 586,118,250$, its SI is 7,300 and its uncloaked HD ratings are $26 / 37 / 35$; it otherwise uses the same set of stats.

Hellcat-V
F-42 Hellcat-VSpace Superiority Interceptor

| Chassis/Weight: Medium Military Fightercraft |  |  | Size Class: $10\left(4,782.41 \mathrm{~m}^{3}\right)$ |  |
| :---: | :---: | :---: | :---: | :---: |
| SI: 3,188 | Cost: €222,231,650 | HD/BHD/FHD: 27/38/34 | $\begin{gathered} \text { INIT: }+9 \\ \text { (Seventh Class Engine) } \end{gathered}$ | $\begin{gathered} \text { Max Speed: } 420 / 1,200 \\ \mathrm{kps}(3 / 7(+1)) \end{gathered}$ |
| SHP: 2,200 (Third Class Capital Ship Shields) | AHP: 900 <br> (Tungsten; 4.5 cm ) | Guns: Laser Cannon, Military Grade (6/5/20) Ion Cannon, Standard (4/5/24) | Ordnance: Image Recognition (IR), Standard (1/8-24/250) | X: None |
| Crew/Passengers: 1/0 <br> (1 $0.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: $0.8 \mathrm{~m}^{3}$ ( $0.8 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Scout Module, Afterburner (x2.86), Maneuvering Thrusters, ECM Module (-5 HD), Capital Ship Shield Adapter, Ejection Seat, Countermeasure Pod Dispenser (24 charges), Auto-Repair System (+25), Gun Cooler +3, Tracking Computer, ITTS, Weapon Station x6 (Gun Hardpoint x4 (Forward Narrow; Laser x2, Ion x2), Triple Light Ordnance Hardpoint x2 (Forward Narrow; ImRec)).

Flaws/Bonuses: None.
NOTES: This craft may accept any type of Light Ordnance common to the era; the listed statistics reflect the default armament of this craft.
Two late Kilrathi War-era (2668-2669) variants of this craft exist. The first variant replaces the default Lasers with two Mass Driver Cannon, Enhanced $(5 / 2 / 45)$; the cost of this variant is $€ 222,235,450$ and its SI is 3,238 . The second variant replaces the default lasers with two Neutron Gun, Heavy ( $3 / 4 / 40$ ); the cost of this variant is $€ 222,241,950$ and its SI is 3,228 . In both cases, the variants otherwise use the same set of stats.

A slightly uprated version of this craft appeared just prior to the Border Worlds crisis of 2673 . This variant has 2,500 SHP and replaces the default Lasers with two Particle Cannon, Military Grade (3/4/43). The cost of this variant is $€ 222,255,950$ and its SI is 3,534 ; it otherwise uses the same set of stats.

## Thunderbolt VII

HF-66 Thunderbolt-VII Heavy Fighter/Bomber

| Chassis/Weight: Heavy Military Fightercraft |  |  | Size Class: 11 (6,374.32 m ${ }^{3}$ ) |  |
| :---: | :---: | :---: | :---: | :---: |
| SI: 3,876 | Cost: €318,279,500 | HD/BHD/FHD: 31/42/38 | $\begin{gathered} \text { INIT: }+9 \\ \text { (Seventh Class Engine) } \end{gathered}$ | $\begin{gathered} \text { Max Speed: } 380 / 1,000 \\ \text { kps }(2 / 6) \end{gathered}$ |
| SHP: 2500 <br> (Third Class Capital Ship Shields) | AHP: 1,100 (Tungsten; 5.5 cm ) | Guns: Plasma Gun, Standard $(1 / 3 / 54)$ <br> Photon Gun, Standard (3/5/32) Meson Blaster, Standard (3/5/28) <br> Mass Driver Cannon, Enhanced (5/2/45) | Ordnance: Heat Seeker (HS), Standard (1/6-9/400) Torpedo, Mk. IV (NA/4-16/2000) | X: Tractor Beam |
| Crew/Passengers: 2/0 <br> (2 $0.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: $1.6 \mathrm{~m}^{3}$ ( $1.6 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Modified Chassis +4, Scout Module, Afterburner (x2.63), ECM Module (-5 HD), Capital Ship Shield Adapter, Ejection Seat, Countermeasure Pod Dispenser (24 charges), Tractor Beam, Auto-Repair System ( +25 ), Gun Cooler +5 , Tracking Computer, ITTS, Weapon Station x 10 (Gun Hardpoint x6 (Forward Narrow; Plasma x2, Photon x2, Meson x2), Gun Barbette x1 (Aft Hemisphere; Mass Driver), Triple Light Ordnance Hardpoint x2 (Forward Narrow; HS), Heavy Ordnance Hardpoint x1 (Forward Narrow; TORP)).

## Flaws/Bonuses: None

NOTES: These stats represent the original production model introduced in 2669. This craft may use any type of standard Light Ordnance common to its era; the listed statistics reflect the default armament of this craft.

A post-war period (2670-2677) variant of this craft exists. This variant replaces the default Plasma Gun and Meson Blasters with four Plasma Gun, Long-Range (3/3/57), as well as the Heat Seekers with six Friend-or-Foe, Long Range (LRIFF) (1/8-24/250). The cost of this variant is $€ 334,574,000$ and its SI is 3,937 ; it otherwise uses the same set of stats.

Another variant of this craft from the early Nephilim War years (2678-) exists. This craft can travel at up to $494 \mathrm{kps}(3)$ on standard ion drive and has a Sixth Class Capital Ship Shield generator installed for 5,500 SHP. The onboard Guns are replaced with four lon Cannon, Enhanced $(4 / 5 / 30)$ and two Tachyon Gun, Heavy Long-Range (3/4/70). Ordnance includes Friend-or-Foe, Enhanced Long Range (ELRIFF) (1/6-8/280) missiles, three Light Torpedo, Valiant (10/4-12/800) and a bank of Dumb-Fire (DF), Rocket (17/2-9/100) missiles. The Modified Chassis is increased to +5 , the ECM Module's effectiveness is increased to -10 HD and the craft has 36 countermeasures. Its eleven Weapon Stations are configured as follows: Gun Hardpoint x6 (Forward Narrow; lon x4, Tachyon x2), Light Ordnance Hardpoint, Bank x1 (Forward Narrow; Rocket x24), Triple Light Ordnance Hardpoint x1 (Forward Narrow; ELRIFF), Triple Heavy Ordnance Hardpoint x1 (Forward Narrow; LTORP). It has a cost of $€ 348,728,250, \mathrm{HD}$ ratings of $26 / 42 / 38$ and an SI of 6,860 ; it otherwise uses the same set of stats.

## Longbow

| F/A-76 Longbow Heavy Bomber |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Very Heavy Military Fightercraft |  |  | Size Class: 12 (19,591.58 m ${ }^{3}$ ) |  |
| SI: 4,674 | Cost: € 547,112,000 | HD/BHD/FHD: 40/50/47 | INIT: +9 (Seventh Class Engine) | Max Speed: 320/700 <br> kps (2/4) |
| SHP: 2,800 <br> (Third Class Capital Ship Shields) | AHP: 1,600 <br> (Tungsten; 8.0 cm ) | Guns: Neutron Gun, Heavy (3/4/40) <br> Plasma Gun, Standard ( $1 / 3 / 54$ ) Particle Cannon, Military Grade (3/4/43) | ```Ordnance: Friend-or-Foe, Long Range (LRIFF) (1/8-24/250) Heat Seeker (HS), Standard (1/6- 9/400) Torpedo, Mk. IV (6/4-16/2000)``` | X: Tractor Beam |
| Crew/Passengers: 2/0 <br> (2 $0.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: $3.1 \mathrm{~m}^{3}$ <br> ( $3.1 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Modified Chassis +7, Reinforced Chassis, Scout Module, Afterburner (x2.19), ECM Module (-5 HD), Capital Ship Shield Adapter, Akwende Drive, Ejection Seat, Countermeasure Pod Dispenser (24 charges), Tractor Beam, Auto-Repair System (+25), Gun Cooler +3, Tracking Computer, ITTS, Weapon Station x1 1 (Gun Hardpoint x4 (Forward Narrow; Neutron x2, Plasma x2), Dual Gun Barbette x1 (Aft Hemisphere; Particle Cannon), Quad Light Ordnance Hardpoint x4 (Forward Narrow; IFFx2, HSx2), Dual Heavy Ordnance Hardpoint x2 (Forward Narrow; TORP)).

## Flaws/Bonuses: None

NOTES: These stats represent the original production model introduced in 2669. This craft may use any type of standard Light Ordnance common to its era; the listed statistics reflect the default armament of this craft.

A post-war (2670-2677) variant of this craft exists. This variant replaces the shields with Fifth Class Capital Ship shields for 5,000 SHP, the Armor with 5.0 cm of Isometal for 3,000 AHP, the Neutron Guns with two Ion Cannon, Enhanced ( $4 / 5 / 30$ ), and the Heat Seekers with Image Recognition (IR), Standard (1/8-24/250) missiles. The Reinforced Chassis accessory has been removed and the Modified Chassis Accessory is set at +6 . It has a cost is $€ 513,007,000$, its SI is 8,254 and its HD ratings are at $35 / 45 / 42$; it otherwise uses the same set of stats.

SAR-I3 Phoenix
Confederation SAR-13 Phoenix Shutlle

| Chassis/Weight: Super Heavy Military Shuttle |  | Size Class: $12\left(11,340.00 \mathrm{~m}^{3}\right)$ |  |  |
| :---: | :---: | :---: | :---: | :---: |
| SI: 2,374 | Cost: $€ 158,500,370$ | HD/BHD/FHD: 47/50/49 | INIT: +9 <br> (Seventh Class Engine) | Max Speed: $320 \mathrm{kps}(2)$ |
| SHP: 1,500 <br> (Tenth Class Shields) | AHP: 874 <br> (Tungsten; 4.38 cm$)$ | Guns: None | Ordnance: None | X: Tractor Beam | | Crew/Passengers: $2 / 29$ |
| :---: |
| $\left(20.78125 \mathrm{~m}^{3}\right.$ Airplane Seats, $290.78125 \mathrm{~m}^{3}$ Large Berths) |

Accessories/Pods: \{Tachyon Radar\}, Cargo Module x2, Scout Module, SWACS Module, Backup Shield Generator Mount, \{Fifth Class Shield\}, Ion Engine, Akwende Drive, Fuel Tank, Ramscoop, Auto-Repair System (+25), Tractor Beam, Ejection Seat, External Docking Port.

Flaws/Bonuses: None.
NOTES: The stats as listed are for a craft that can perform all of the duties listed above simultaneously. GMs may adjust the statistics as required for their specific needs; there are three empty accessory slots available on the craft as designed.

## Clarkson

| Clarkson-class Transport |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Light Frigate |  |  | Size Class: $15\left(119,953.97 \mathrm{~m}^{3}\right)$ |  |
| SI: 23,100 | Cost: €301,762,328 | HD/BHD/FHD: 36/36/42 | INIT: +5 (Sixth Class Engine) | Max Speed: 100 kps (1) |
| $\begin{gathered} \text { SHP: 20,000 } \\ \text { (Tenth Class } \\ \text { Shields) } \end{gathered}$ | $\begin{gathered} \text { AHP: 3,000 } \\ \text { (Tungsten; } 15.00 \mathrm{~cm} \text { ) } \end{gathered}$ | Guns: Laser, Defensive (7/4/25) | Ordnance: None | X: None |
| Crew/Passengers: 20/5 (25 $50 \mathrm{~m}^{3}$ Double Cabins) |  |  | Cargo Capacity: $10,375 \mathrm{~m}^{3}$ <br> ( $25 \mathrm{~m}^{3}$ base, $250 \mathrm{~m}^{3}$ from accommodations, $10,100 \mathrm{~m}^{3}$ from pods) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Ramscoop, Morvan Drive, Backup Shield Generator Mount x1 \{Tenth Class Shield\}, Gun Cooler +1, ITTS, Capship Systems Adapter, Permanent Pod Mount x4 \{Cargo Container Pod x2, Large Cargo Container Pod x2\}, Expendable Pod Mount x1 \{Escape Pod x1 (25 $1.0000 \mathrm{~m}^{3}$ EEV) \}, Weapon Station x2 (Dual Gun Turret x2 ( $360^{\circ}$; Laser)).
Flaws/Bonuses: Sluggish Handling (-1 INIT).

NOTES: This class remains in service after the end of the Terran-Kilrathi War in both the Confederation Navy and Union of Border Worlds Defense Forces. The postwar variant has twenty centimeters of armor (for 4,000 AHP total, requiring a Reinforced Chassis Accessory) but only a single Sixth Class Shield (allowing for the removal of the additional Tenth Class Shield and the Backup Shield Generator Mount; this reduces the SHP to 6,000 ). The cost of this variant is $€ 308,483,453$, its HD ratings are $37 / 37 / 43$ and it has an SI of 10,100 . It otherwise uses the same set of stats.

Known ships of the class include TCS Clarkson and TCS Amadeus.

## Caernaven

| Caernaven-class Frigate |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Heavy Destroyer | Size Class: $23\left(28,824,555.82 \mathrm{~m}^{3}\right)$ |  |  |  |  |  |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Apprehension Module x2, Hospital Module x2, ECM Module (-10 HD), SWACS Module, Fuel Tank x1, Ramscoop, Backup Sensor Array x2, Backup Communications Array x2, Gun Cooler +1, ITTS, Tracking Computer, Capship Systems Adapter, Reinforced Chassis, Expendable Pod Mount x18 \{Escape Pod x18 (15 $1.6600 \mathrm{~m}^{3} \mathrm{EEV}$ ) $\}$, Weapon Station $\times 4$ (Dual Gun Turret $\times 2$ (Forward OTS; Laser), Duodecuple Light Ordnance Turret, Bank x2 (Aft OTS; ImRecx 12)).
Flaws/Bonuses: Sluggish Handling (-1 INIT).
NOTES: This class remains in service after the end of the Terran-Kilrathi War in both the Confederation Navy and Union of Border Worlds Defense Forces. The post-war variant has twenty centimeters of Armor (reducing the AHP to 4,000 ) and a Sixth Class Shield (reducing the SHP to $6,000)$. The cost of this variant is $€ 926,223,773$, its HD ratings are $40 / 42 / 57$ and it has an SI of 10,240 ; it otherwise uses the same set of stats.

## Southampton

Southampton-class Destroyer

| Chassis/Weight: Heavy Destroyer |  |  |  |  |  |  |  | Size Class: 23 (20,889,074.02 $\mathrm{m}^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

Accessories/Pods: \{Ion Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Apprehension Module x1,
Hospital Module x1, ECM Module (-10 HD), SWACS Module, Repair Bay Module, Ramscoop, Turboinjector, Backup Shield Generator Mount x 1
\{Class Ten Shield\}, Gun Cooler +8 , ITTS, Tracking Computer, Capship Systems Adapter, Reinforced Chassis, Expendable Pod Mount x 12 \{Escape Pod x12 (36 0.69 m$^{3}$ EEV) \}, Eighth Hangar Bay Module x1, Carrier Systems x2, Weapon Station x10 (Dual Gun Sponson x2 (Aff; Laser), Dual Gun Barbette x1 (Forward Hemisphere; Laser), Dual Gun Limited Turret $x 2$ (Portside Hemisphere/Starboard Aft x1, Starboard Hemisphere/Portside Aft x1; Laser), Dual Gun Turret x4 (Forward OTS x2, Aft OTS x1, 360 ${ }^{\circ}$ x1; Laser), Heavy Ordnance Hardpoint, Tube x1 (Forward Narrow; Capship x10)).

## Flaws/Bonuses: Sluggish Handling (-1 INIT).

NOTES: This class remains in service after the end of the Terran-Kilrathi War in both the Confederation Navy and Union of Border Worlds Defense Forces. The post-war variant has a single Sixth Class Shield installed (reducing the SHP to 6,000 and eliminating both the Backup Shield Generator Mount and the associated Tenth Class Shield). The cost of this variant is $€ 19,507,883,010$ and it has an SI of 11,080 ; it otherwise uses the same set of stats.

The standard flight compliment for this class is 5 small craft; total hangar capacity is $45,000 \mathrm{~m}^{3}$. The cost of this craft has been calculated assuming a compliment of $5 \mathrm{~F}-42$ Hellcat-VSpace Superiority Interceptors with default specifications.

Known ships of the class include TCS Southampton, TCS Agincourt (II), TCS Ajax and BWS Johns Hopkins.

## Gilgamesh

| Gilgamesh-class Destroyer |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Medium Destroyer |  |  | Size Class: 21 (6,427,113.03 m ${ }^{3}$ ) |  |
| SI: 14,410 | Cost: €1,799,508,165 | HD/BHD/FHD: 43/42/55 | INIT: +6 (Seventh Class Engine) | Max Speed: 250 kps <br> (2) |
| $\begin{gathered} \text { SHP: 10,000 } \\ \text { (Tenth Class } \\ \text { Shields) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { AHP: 2,250 } \\ \text { (Plasteel; } 22.50 \mathrm{~cm} \text { ) } \end{gathered}$ | Guns: Anti-Matter Gun (1/8/300) Flak Cannon (15/3/10) | Ordnance: Torpedo, Mk. IV (6/416/2000) | X: None |
| Crew/Passengers: 472/20 <br> (400 200 m $^{3}$ Luxury Staterooms (72 Double Occupancy)) |  |  | Cargo Capacity: $1,600 \mathrm{~m}^{3}$ ( $1,600 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Hospital Module x1, ECM Module (-5 HD), SWACS Module, Ramscoop, Phase Shields, Gun Cooler +3, ITTS, Tracking Computer, Capship Systems Adapter, Reinforced Chassis, Expendable Pod Mount x12 \{Escape Pod x12 (41 0.6 m² EEV) \}, Weapon Station x13 (Gun Barbette x2 (Portside Hemisphere x1, Starboard Hemisphere x1; Flak), Dual Gun Barbette $x 4$ (Forward Hemisphere; Flak x2, Antimatter Gun x2), Triple Gun Barbette $\times 1$ (Forward Hemisphere; Antimatter Gun), Heavy Ordnance Hardpoint, Tube x6 (Forward Narrow x4, Aft Narrow x2; TORP x5)).

Flaws/Bonuses: Modular Design. Sluggish Handling (-1 INIT).
NOTES: Known ships of this class include TCS Gilgamesh, TCS Hector and TCS William Tell.

## Savannah

| Confederation Savannah-class Light Cruiser |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Heavy Destroyer |  |  | Size Class: 22 ( $\left.14,409,558.14 \mathrm{~m}^{3}\right)$ |  |
| SI: 20,020 | Cost: €22,171,598,374 | HD/BHD/FHD: 42/45/59 | INIT: +7 (Seventh Class Engine) | Max Speed: 180 kps (1) |
| SHP: 6,250 (Seventh Class Shields) | AHP: 11,250 (Tungsten; 56.25 cm ) | $\begin{gathered} \text { Guns: Anti-Matter Gun } \\ \text { (1/8/300) } \\ \text { Laser, Offensive (7/3/60) } \end{gathered}$ | Ordnance: Image Recognition (IR), Standard (1/8-24/250) <br> Capship Missile (6/0.1 AU/60000) | X: None |
| Crew/Passengers: 525/131 (656 200 m $^{3}$ Luxury Staterooms) |  |  | Cargo Capacity: $3,200 \mathrm{~m}^{3}$ (3,200 m ${ }^{3}$ base) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Apprehension Module x1, Hospital Module x1, ECM Module ( -10 HD ), SWACS Module x1, Ramscoop, Turboinjector, Gun Cooler +8 , ITTS, Tracking Computer, Capship Systems Adapter, Reinforced Chassis, Expendable Pod Mount x 16 \{Escape Pod x 16 ( 410.6095 m² EEV) \}, Weapon Station x 12 (Dual Gun Turret x6 (Forward OTS x2, Starboard Aft OTS x2, Portside Aft OTS x2; Laser), Dual Gun Turret x3 (Forward OTS x2, 360́n1; Antimatter Gun), Light Ordnance Limited Turret, Bank x1 (Portside Ahead/Starboard Ahead/Aft; ImRecx25), Light Ordnance Barbette, Bank x1 (Portside/Starboard; ImRecx25), Quad Heavy Ordnance Hardpoint, Bank x1 (Forward Narrow; Capship x12)).

## Tallahasseє

| Tallahassee-class Cruiser |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Very Light Battlecruiser |  |  | Size Class: 22 (12,535,481.06 m ${ }^{\text {3 }}$ |  |
| SI: 35,440 | Cost: €51,752,410,240 | HD/BHD/FHD: 42/45/59 | $\begin{gathered} \text { INIT: }+6 \\ \text { (Seventh Class Engine) } \end{gathered}$ | Max Speed: 150 kps (1) |
| $\begin{gathered} \text { SHP: 30,000 } \\ \text { (Tenth Class } \\ \text { Shields) } \end{gathered}$ | AHP: 4,000 <br> (Tungsten; 20.00 cm ) | Guns: Laser, Offensive $(7 / 3 / 60)$ | Ordnance: Capship Missile (6/0.1 AU/60000) | X: None |
| Crew/Passengers: 718/164 (882 $100 \mathrm{~m}^{3}$ Staterooms) |  |  | Cargo Capacity: $3,200 \mathrm{~m}^{3}$ (3,200 $\mathrm{m}^{3}$ base) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Apprehension Module x3, Hospital Module x3, Emergency Stasis Unit, ECM Module ( -10 HD), SWACS Module, Repair Bay Module, Ramscoop, Turboinjector, Backup Shield Generator Mount x2 \{Class Ten Shield x2\}, Gun Cooler + 11, ITTS, Tracking Computer, Capship Systems Adapter, Expendable Pod Mount x18 \{Escape Pod x18 (49 $0.5 \mathrm{~m}^{3}$ EEV) \}, Hangar Bay Module x1, Carrier Systems x2, Weapon Station x13 (Dual Gun Barbette $\times 6$ (Portside Wide x1, Starboard Wide x1, Aft Hemisphere x2, Starboard/Portside x1, Starboard Narrow/Starboard Aft Narrow/Portside Narrow/Portside Aft Narrow x1; Laser), Dual Gun Limited Turret x3 (Forward/Starboard/Portside x1, Starboard Wide/Portside Wide x2; Laser), Dual Gun Turret x3 (Forward OTS x2, Aft OTS x1; Laser), Heavy Ordnance Hardpoint, Bank x1 (Forward Narrow; Capship x25)).

> Flaws/Bonuses: Sluggish Handling (-1 INIT).

NOTES: This class remains in service after the end of the Terran-Kilrathi War in both the Confederation Navy and Union of Border Worlds Defense Forces. The post-war variant has a single Sixth Class Shield installed (reducing the SHP to 6,000 and eliminating both of the Backup Shield Generator Mounts and their associated Tenth Class Shields). The cost of this variant is $€ 51,747,788,040$ and it has an SI of 11,440 ; it otherwise uses the same set of stats.

The standard flight compliment for this class is 24 small craft; total hangar capacity is $180,000 \mathrm{~m}^{3}$. The cost of this craft has been calculated assuming a compliment of 8 F-27/L Arrow Light Fighters, 8 F-42 Hellcat-VSpace Superiority Interceptors and 8 HF-66 Thunderbolt-VI/ Heavy Fighter/Bombers, each with default specifications.

Known ships of the class include TCS Tallahassee, TCS Dover, TCS Juneau, TCS Coventry and TCS Sheffield.

## Confederation (Class)

| Confederation-class Dreadnought |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Medium Dreadnought |  |  | Size Class: 26 (161,612,814.32 m ${ }^{3}$ ) |  |
| SI: 18,220 | Cost: €30,838,168,220 | HD/BHD/FHD: 55/54/71 | $\begin{gathered} \text { INIT: }+5 \\ \text { (Sixth Class Engine) } \end{gathered}$ | Max Speed: 100 kps (1) |
| $\begin{aligned} & \text { SHP: 10,000 } \\ & \text { (Tenth Class } \\ & \text { Shields) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { AHP: 4,500 } \\ \text { (Plasteel; } 45.00 \mathrm{~cm} \text { ) } \end{gathered}$ | Guns: Anti-Matter Gun (1/8/300) <br> Flak Cannon (15/3/10) | Ordnance: Torpedo, Mk. IV (6/4-16/2000) | X : Phase Transit Cannon (1/8/1000) |
| Crew/Passengers: 4,000/988 (4,988 $100 \mathrm{~m}^{3}$ Staterooms) |  |  | Cargo Capacity: 50,000 $\mathrm{m}^{3}$ (50,000 m ${ }^{3}$ base) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Hospital Module x6, ECM Module (-10 HD), SWACS Module, Ramscoop, Phase Shields, Gun Cooler +11, ITTS, Tracking Computer, Capship Systems Adapter,
Expendable Pod Mount x58 \{Escape Pod x58 (86 $0.29 \mathrm{~m}^{3}$ EEV) \}, Hangar Bay Module x1, Carrier Systems x4, Weapon Station x 26 (Gun Hardpoint $x 4$ (Starboard Ahead Narrow x1, Portside Ahead Narrow x1, Aft Narrow x2; Flak), Gun Sponson x1 (Aft; Flak), Gun Sponson 44 (Portside Aft x2, Starboard Aft x2; Antimatter Gun), Gun Barbette x7 (Starboard Wide x1, Portside Wide x1, Starboard Ahead Wide x1, Portside

Ahead Wide x1, Aft Hemisphere x1, Portside Hemisphere x1, Starboard Hemisphere x1; Flak), Gun Barbette x6 (Forward Hemisphere x1,
Portside Hemisphere x2, Starboard Hemisphere x2, Starboard/Portside x1; Antimatter Gun), Dual Gun Turret x1 (Forward OTS; Antimatter Gun), Heavy Ordnance Hardpoint, Bank x2 (Forward Narrow; TORP x15), Special Hardpoint x1 (Forward Narrow; Phase-Transit Cannon)).

## Flaws/Bonuses: Gun Resistant (DR 9). Sluggish Handling (-1 INIT).

NOTES: The standard flight compliment for this class is 120 small craft; total hangar capacity is $2,400,000 \mathrm{~m}^{3}$. The cost of this craft has been calculated assuming a compliment of 24 P-64 Ferret Patrol Fighters, 24 F-54 Epee Light Fighters, 24 F-44/G Rapier-// Space Superiority Fighters, 24 F-57 Sabre Fighter/Bombers and 24 A-17/A Broadsword Heavy Bombers, each with default specifications.

Known ships of this class include TCS Concordia (III, CV-65; Destroyed 2669) and TCS Confederation.

## Yorktown

| Yorktown-class Light Carrier |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Light Battlecruiser |  |  | Size Class: $24\left(53,884,569.60 \mathrm{~m}^{3}\right)$ |  |
| SI: 41,080 | Cost: €42,481,057,125 | HD/BHD/FHD: 48/49/64 | INIT: +5 (Sixth Class Engine) | Max Speed: 120 kps (1) |
| $\begin{aligned} & \text { SHP: } 30,000 \\ & \text { (Tenth Class } \\ & \text { Shields) } \end{aligned}$ | AHP: 10,000 <br> (Tungsten; 50.00 cm ) | Guns: Laser, Offensive $(7 / 3 / 60)$ | Ordnance: Capship Missile (6/0.1 AU/60000) | X: None |
| Crew/Passengers: 2,574/638 (3,212 $100 \mathrm{~m}^{3}$ Staterooms) |  |  | Cargo Capacity: $12,800 \mathrm{~m}^{3}$ <br> (12,800 m ${ }^{3}$ base) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Apprehension Module x4, Hospital Module x4, ECM Module (-10 HD), SWACS Module, Repair Bay Module, Ramscoop, Backup Shield Generator Mount x2 \{Class Ten Shield x2\}, Backup Sensor Array x1, Backup Communications Array x1, Gun Cooler +8, ITTS, Tracking Computer, Capship Systems Adapter, Expendable Pod Mount x24 \{Escape Pod x24 (134 0.1865 m$^{3}$ EEV) \}, Hangar Bay Module x1, Carrier Systems x4, Weapon Station x 12 (Gun

Hardpoint x4 (Portside Aft Narrow x1, Forward Narrow x1, Aft Narrow x2; Laser), Dual Gun Barbette x5 (Starboard Wide x1, Portside
Wide/Portside Aft x1, Starboard Wide/Starboard Aft x1, Forward/Portside Ahead Narrow x1, Forward/Starboard Ahead Narrow x1; Laser), Dual Gun Limited Turret x2 (Portside Ahead Hemisphere/Portside Aft Narrow x1, Starboard Ahead Hemisphere/Starboard Aft Narrow x1; Laser), Heavy Ordnance Hardpoint, Tube x1 (Forward Narrow; Capship Missile x6)).
Flaws/Bonuses: Modular Design. Gun Resistant (DR 9). Sluggish Handling (-1 INIT).
NOTES: The standard flight compliment for this class is 40 small craft; total hangar capacity is $600,000 \mathrm{~m}^{3}$. The cost of this craft has been calculated assuming a compliment of 10 F-27/L Arrow Light Fighters, 10 F-42 Hellcat-VSpace Superiority Interceptors, 10 HF-66 ThunderboltV/I Heavy Fighter/Bombers and 10 F/A-76 Longbow Heavy Bombers, each with default specifications.

Known ships of the class include TCS Yorkłown, TCS Hermes and TCS Victory (CV-40).

## Kilrathi Craft

## Darket

| Darket Light Fighter |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Medium Military Fightercraft |  |  | Size Class: 9 (1,996.18 m ${ }^{3}$ |  |
| SI: 1,356 | Cost: €148,009,250 | HD/BHD/FHD: 24/36/31 | $\begin{gathered} \text { INIT: }+9 \\ \text { (Seventh Class Engine) } \end{gathered}$ | Max Speed: 520/1,350 kps $(3 / 8(+2))$ |
| SHP: 800 (Eighth Class Shields) | AHP: 500 <br> (Tungsten; 2.5 cm ) | Guns: Meson Blaster, Standard (3/5/28) | Ordnance: Heat Seeker (HS), Standard (1/6-9/400) | X: None |
| Crew/Passengers: 1/0 <br> ( $10.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: $0.4 \mathrm{~m}^{3}$ ( $0.4 \mathrm{~m}^{3}$ base) |  |
| Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Scout Module, Afterburner (x2.60), Maneuvering Thrusters x2, ECM Module (-5 HD), Countermeasure Pod Dispenser ( 6 charges), Auto-Repair System (+25), Gun Cooler +1, Tracking Computer, ITTS, Weapon Station $x 4$ (Gun Hardpoint x2 (Forward Narrow; Meson Blaster), Light Ordnance Hardpoint x2 (Forward Narrow; HS)). |  |  |  |  |

## Dralthi-IV

| Dralthi-/VMedium Fighter |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Heavy Military Fightercraft |  |  | Size Class: 11 (8,509.996 m³) |  |
| SI: 1,999 | Cost: €214,524,250 | HD/BHD/FHD: 24/40/36 | $\begin{gathered} \text { INIT: }+9 \\ \text { (Seventh Class Engine) } \end{gathered}$ | Max Speed: 430/1,100 kps $(3 / 7(+1))$ |
| SHP: 1,200 (Sixth Class Shields) | AHP: 700 <br> (Tungsten; 3.5 cm ) | Guns: Meson Blaster, Standard $(3 / 5 / 28)$ <br> Particle Cannon, Military Grade $(3 / 4 / 43)$ | Ordnance: Image Recognition (IR), Standard (1/8-24/250) | X: None |
| Crew/Passengers: 1/0 <br> ( $10.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: $1.6 \mathrm{~m}^{3}$ ( $1.6 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Scout Module, Afterburner (x2.56), Maneuvering Thrusters, ECM Module (-10 HD), Backup Shield Generator Mount + Class Six Shield, Countermeasure Pod Dispenser (6 charges), Auto-Repair System (+25), Gun Cooler +2, Tracking Computer, ITTS, Weapon Station x4 (Gun Hardpoint x3 (Forward Narrow; Meson Blaster x2, Particle Cannon x1), Quad Light Ordnance Hardpoint xl (Forward Narrow; ImRec)).

NOTES: A post-war variant of this craft exists, which began replacing the war-era variant in 2670 and was used up until 2678 . This variant used two Particle Cannon, Military Grade (3/4/43) and one Photon Gun, Standard (3/5/32) in place of the original Gun configuration. It also had a loadout of four Image Recognition, Enhanced (EIR) (1/8-24/450) missiles. This variant costs $€ 223,977,250$ and has an SI of 2,018 ; it otherwise uses the same set of stats.

Another post-war variant entered service boasting increased speed around 2679 and remained in service until the introduction of the Dralthi-IX models. This model utilizes an Eighth Class Engine, has an Initiative rating of +10 and has speed ratings of $612 / 1,200 \mathrm{kps}(4 / 7(+1)$ ), reducing the Afterburner multiplier to x1.96. Armament consists of two Laser Cannon, Civilian Grade (5/5/18) and one Tachyon Gun, Heavy Long-Range $(3 / 4 / 70)$ in place of the standard guns, with a missile loadout of four Heat Seeker, Long Range (LRHS) (1/8-28/400) missiles. It also carries 24 countermeasures. The cost of this variant is $€ 217,254,750$, its HD ratings are $22 / 38 / 36$ and its SI is 2,006 ; it otherwise uses the same set of stats.

## Vaktoth

| Vaktoth Heavy Fighter |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Super Heavy Military Fightercraft |  |  | Size Class: 13 (22,578.32 m ${ }^{3}$ |  |
| SI: 3,268 | Cost: €355,168,000 | HD/BHD/FHD: 34/48/46 | INIT: +9 <br> (Seventh Class Engine) | Max Speed: 380/950 kps (2/6) |
| SHP: 2,000 <br> (Second Class Capital Ship Shields) | AHP: 1,000 <br> (Tungsten; 5.00 cm ) | Guns: Tachyon Gun, Standard $(4 / 3 / 56)$ <br> Plasma Gun, Standard (1/3/54) Ion Cannon, Standard (4/5/24) Meson Blaster, Standard (3/5/28) | Ordnance: Heat Seeker (HS), Standard (1/6-9/400) | X: None |
| Crew/Passengers: 1/0 <br> (1 $0.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: $6.3 \mathrm{~m}^{3}$ (6.3 m ${ }^{3}$ base) |  |
| Accessories/Pods: \{Tachyon Radar, lon Engine\}, Scout Module, Afterburner (x2.50), ECM Module (-10 HD), Capital Ship Shield Adapter, Akwende Drive, Collapsible Sections, Countermeasure Pod Dispenser (8 charges), Auto-Repair System (+25), Gun Cooler +4 , Tracking Computer, ITTS, Weapon Station x8 (Gun Hardpoint x5 (Forward Narrow; Ion x2, Plasma x2, Tachyon x1), Dual Gun Barbette x1 (Aft Wide; Meson), Quad Light Ordnance Hardpoint x2 (Forward Narrow; HS)). |  |  |  |  |

Flaws/Bonuses: None.
NOTES: The missile loadout of this craft may change depending on its mission; it may also carry Image Recognition (IR), Standard (1/8-24/250) and Friend-or-Foe, Long Range (LRIFF) ( $1 / 8-24 / 250$ ) missiles in commonly encountered situations. Typically these missiles are exchanged for a set of Heat Seekers on one of the Quad Missile Hardpoints. Vaktoths carrying $1 \times 4 \mathrm{HS}$ and $1 \times 4$ ImRecs add $€ 10,400,000$ to their cost; craft carrying $1 \times 4$ HS and $1 \times 4$ IFF add $€ 10,600,000$ to their cost. Though rarely encountered, Vaktoths have been known to carry $1 \times 4 \mathrm{ImRec}$ and $1 \times 4$ IFF; this adds $€ 21,000,000$ to the cost. In all cases, the remaining set of stats remains the same.

A post-war variant of this craft exists, boasting more speed and stronger defenses; this craft remained in Kilrathi service through the 2680 s. This variant has a base speed of 410 kps (reducing the Afterburner multiplier to $\times 2.32$ ), has Third Class Capital Ship Shields for 2,500 SHP and an additional 1.38 cm of Tungsten Armor for 1,276 AHP total. Its cost is $€ 354,245,070$, its HD ratings are $35 / 49 / 47$ and its SI is 4,044 ; it otherwise uses the same set of stats and can incorporate the alternative missile load-outs as described above.

## Zartoth

| Kilrathi Zartoth Heavy EW Fighter |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Super Heavy Military Fightercraft |  |  | Size Class: 13 (22,578.32 m ${ }^{3}$ ) |  |
| SI: 3,024 | Cost: €364,082,500 | HD/BHD/FHD: 34/48/46 | INIT: +9 (Seventh Class Engine) | Max Speed: 410/950 kps (2/6) |
| SHP: 2,000 (Second Class Capital Ship Shields) | AHP: 1,000 <br> (Tungsten; 5.00 cm ) | Guns: Ion Cannon, Standard $(4 / 5 / 24)$ | Ordnance: Friend-or-Foe, Long Range (LRIFF) (1/8-24/250) | X: None |
| Crew/Passengers: 1/0 <br> ( $10.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: $6.3 \mathrm{~m}^{3}$ ( $6.3 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Scout Module, Afterburner (x2.50), ECM Module (-25 HD), SWACS Module, Capital Ship Shield Adapter \{Second Class Capital Ship Shield\}, Akwende Drive, Collapsible Sections, Countermeasure Pod Dispenser (8 charges), Auto-Repair System (+25), Gun Cooler + 1, Tracking Computer, ITTS, Weapon Station x4 (Gun Hardpoint x2 (Forward Narrow; lon), Light Ordnance Hardpoint x2 (Forward Narrow; IFF)).

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## Sorthak

| Sorthak Super-Heavy Fighter |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Heavy Military Fightercraft |  |  | Size Class: 11 (6,140.42 m ${ }^{3}$ ) |  |
| SI: 5,260 | Cost: €352,902,000 | HD/BHD/FHD: 24/40/36 | INIT: +9 (Seventh Class Engine) | Max Speed: 400/950 kps $(2 / 6(+1))$ |
| SHP: 3,250 <br> (Fourth Class Capital Ship Shields) | AHP: 3,250 (Isometal; 3.00 cm ) | Guns: Meson Blaster, Heavy $(3 / 5 / 35))$ | Ordnance: Heat Seeker (HS), Standard (1/6-9/400) Image Recognition (IR), Standard (1/8-24/250) | X: None |
| Crew/Passengers: 1/0 <br> ( $10.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: $1.6 \mathrm{~m}^{3}$ ( $1.6 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Modified Chassis +2, Scout Module, Afterburner (x2.38), Maneuvering Thrusters, ECM Module (-10 HD), Capital Ship Shield Adapter, Akwende Drive, Countermeasure Pod Dispenser (10 charges), Auto-Repair System (+25), Gun Cooler +5, Tracking Computer, ITTS, Weapon Station x8 (Gun Turret x4 ( $360^{\circ}$; Meson Blaster), Gun Barbette x2 (Aft Hemisphere; Meson Blaster), Quad Light Ordnance Hardpoint x2 (Forward Narrow; HSx1, ImRecx1)).
Flaws/Bonuses: None.

## Strakha

| Strakha Medium Stealth Fighter, Uprated |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Medium Military Fightercraft |  |  | Size Class: $9\left(2,572.90 \mathrm{~m}^{3}\right)$ |  |
| SI: 996 | Cost: €396,635,450 | HD/BHD/FHD: 23/35/30 (00/35/05, Cloaked) | INIT: +9 (Seventh Class Engine) | Max Speed: 480/1,200 kps $(3 / 7(+1))$ |
| SHP: 600 <br> (Sixth Class Shields) | AHP: 300 <br> (Tungsten; 1.5 cm ) | Guns: Meson Blaster, Standard (3/5/28) <br> Laser Cannon, Military Grade (6/5/20) | Ordnance: Friend-or-Foe, Long Range (LRIFF) (1/8-24/250) | X: Cloaking Device |
| Crew/Passengers: 1/0 <br> (1 $0.78125 \mathrm{~m}^{3}$ Airplane Seat) |  |  | Cargo Capacity: $0.4 \mathrm{~m}^{3}$ ( $0.4 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Scout Module, Afterburner (x2.50), Standard Cloaking Device, Maneuvering Thrusters, ECM Module ( -5 HD), Countermeasure Pod Dispenser (6 charge), Auto-Repair System (+25), Gun Cooler +3, Tracking Computer, ITTS, Weapon Station x9 (Gun Hardpoint x4 (Forward Narrow; Meson x2, Laser x2), Light Ordnance Hardpoint x5 (Forward Narrow; IFF)).
$\square$ Flaws/Bonuses: None.

## Paktahn

| Paktahn Heavy Torpedo Bomber |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Very Heavy Military Fightercraft |  |  | Size Class: $12\left(13,210.07 \mathrm{~m}^{3}\right)$ |  |
| SI: 5,054 | Cost: € 561,579,250 | HD/BHD/FHD: 40/50/47 | $\begin{gathered} \text { INIT: }+9 \\ \text { (Seventh Class Engine) } \end{gathered}$ | Max Speed: 340/600 kps (2/4) |
| SHP: 3,000 <br> (Third Class Capital Ship Shields) | AHP: 1,700 <br> (Tungsten; 8.5 cm ) | Guns: Plasma Gun, Standard (1/3/54) <br> Ion Cannon, Standard (4/5/24) Mass Driver Cannon, Enhanced $(5 / 2 / 45)$ | Ordnance: Friend-or-Foe, Long Range (LRIFF) (1/8-24/250) Torpedo, Mk. IV (6/4-16/2000) | X: None |
| Crew/Passengers: 2/0 <br> (2 $0.78125 \mathrm{~m}^{3}$ Airplane Seats) |  |  | Cargo Capacity: $3.1 \mathrm{~m}^{3}$ ( $3.1 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{Tachyon Radar, Ion Engine\}, Modified Chassis +6, Reinforced Chassis, Scout Module, Afterburner (x1.76), ECM Module (-5 HD), Capital Ship Shield Adapter, Countermeasure Pod Dispenser ( 6 charges), Auto-Repair System ( +25 ), Gun Cooler +5 , Tracking Computer,

ITTS, Weapon Station x13 (Gun Hardpoint x6 (Forward Narrow; Plasma x4, Ion x2), Dual Gun Sponson x1 (Aft; Mass Driver), Quad Light Ordnance Hardpoint x2 (Forward Narrow; IFF), Triple Light Ordnance Hardpoint x2 (Forward Narrow; IFF), Triple Heavy Ordnance Hardpoint x2 (Forward Narrow; TORP)).

Flaws/Bonuses: None.

Sha'kar

| Sha'kar-class Transport |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Heavy Frigate |  |  | Size Class: $17\left(329,494.72 \mathrm{~m}^{3}\right)$ |  |
| SI: 23,240 | Cost: €368,824,283 | HD/BHD/FHD: 36/39/47 | INIT: +5 (Sixth Class Engine) | Max Speed: 100 kps (1) |
| $\begin{gathered} \text { SHP: 20,000 } \\ \text { (Tenth Class } \\ \text { Shields) } \end{gathered}$ | AHP: 3,000 <br> (Tungsten; 15.00 cm ) | Guns: Laser, Defensive $(7 / 4 / 25)$ | Ordnance: None | X: None |
| Crew/Passengers: 16/4 (20 200 m $^{3}$ Luxury Staterooms) |  |  | Cargo Capacity: $11,725 \mathrm{~m}^{3}$ <br> $\left(100 \mathrm{~m}^{3}\right.$ base, $1,000 \mathrm{~m}^{3}$ from accommodations, $5,625 \mathrm{~m}^{3}$ from accessories, $5,000 \mathrm{~m}^{3}$ from pods) |  |

Accessories/Pods: \{Ion Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Industrial Manipulator Module x1, Refrigeration Module x1, Bulk Cargo Module x1, Emergency Stasis Unit, ECM Module (-5 HD), Fuel Tank x1, Ramscoop, Morvan Drive, Backup Shield Generator Mount x1 \{Tenth Class Shield x1\}, Gun Cooler +1, ITTS, Capship Systems Adapter, Permanent Pod Mount x 1 \{Large Cargo Container Pod x1\}, Expendable Pod Mount x1 \{Escape Pod x1 (20 1.25 m ${ }^{3}$ EEV) \}, Weapon Station x2 (Dual Gun Sponson x2 (Starboard Wide; Laser)).
Flaws/Bonuses: Modular Design. Sluggish Handling (-1 INIT).
NOTES: Known ships of the class include KIS Sha'kar.

## Kamrani

| Kamrani-class Corvette |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Very Light Destroyer |  |  | Size Class: 17 (322,193.212 m ${ }^{3}$ ) |  |
| SI: 15,600 | Cost: €799,894,598 | HD/BHD/FHD: 32/40/49 | INIT: +6 (Seventh Class Engine) | Max Speed: 200 kps <br> (1) |
| $\begin{aligned} & \text { SHP: 10,000 } \\ & \text { (Tenth Class } \\ & \text { Shields) } \end{aligned}$ | AHP: 5,000 (Isometal; 8.33 cm ) | Guns: Laser, Offensive (7/3/60) | Ordnance: Torpedo, Mk. IV (6/416/2000) | X: None |
| Crew/Passengers: 16/4 (20 200 m $^{3}$ Luxury Staterooms) |  |  | Cargo Capacity: $100 \mathrm{~m}^{3}$ ( $100 \mathrm{~m}^{3}$ base) |  |
| Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Hospital Module x1, ECM Module ( -10 HD), SWACS Module x1, Ramscoop, Gun Cooler +4, ITTS, Tracking Computer, Capship Systems Adapter, Expendable Pod Mount <br>  Ordnance Hardpoint, Tube x1 (Forward Narrow; TORPx8)). |  |  |  |  |
| Flaws/Bonuses: Modular Design. Sluggish Handling (-1 INIT). |  |  |  |  |
| NOTES: Known ships of the class include KIS Kamrani. |  |  |  |  |

Ralarrad

| Ralarrad-class Light Destroyer |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Medium Destroyer |  |  | Size Class: $21\left(8,885,298.74 \mathrm{~m}^{3}\right)$ |  |
| SI: 25,960 | Cost: €14,808,782,510 | HD/BHD/FHD: 46/45/58 | INIT: +7 (Seventh Class Engine) | Max Speed: 180 kps (1) |
| $\begin{aligned} & \text { SHP: 15,000 } \\ & \text { (Tenth Class } \\ & \text { Shields) } \end{aligned}$ | AHP: 10,000 (Tungsten; 50.00 cm ) | Guns: Laser, Offensive $(7 / 3 / 60)$ | Ordnance: Capship Missile (6/0.1 $\mathrm{AU} / 60,000$ ) | X: None |
| Crew/Passengers: 112/28 <br> (140 $400 \mathrm{~m}^{3}$ Suites) |  |  | Cargo Capacity: $1,600 \mathrm{~m}^{3}$ ( $1,600 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Apprehension Module x1, Hospital Module x1, ECM Module ( -5 HD), SWACS Module x1, Ramscoop, Backup Shield Generator Mount x1 \{Fifth Class Shield x1\}, Gun Cooler +7 , ITTS, Tracking Computer, Capship Systems Adapter, Reinforced Chassis, Expendable Pod Mount x 14 \{Escape Pod x $14\left(102.5 \mathrm{~m}^{3}\right.$ EEV) \}, Weapon Station x9 (Dual Gun Barbette x4 (Starboard Hemisphere x1, Aft Hemisphere x1, Portside Aft Hemisphere x1, Starboard Aft Hemisphere x1; Laser), Dual Gun Limited Turret x1 (Forward Hemisphere/Starboard; Laser), Dual Gun Turret x3 (Aft OTS x1, Starboard Aft OTS x1, $360^{\circ}$ x1; Laser), Heavy Ordnance Hardpoint, Tube x 1 (Forward Narrow; Capship x8)).

## Flaws/Bonuses: None.

NOTES: Known ships of the class include KIS Bordrav, KIS Ralarrad, KIS /rrkham and KIS Trak'hmar.

Ralaxath

| Ralaxath-class Heavy Destroyer |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Heavy Destroyer |  |  | Size Class: 22 (13,994,847.92 $\mathrm{m}^{3}$ ) |  |
| SI: 31,368 | Cost: €29,154,838,045 | HD/BHD/FHD: 42/45/59 | INIT: +7 (Seventh Class Engine) | Max Speed: 180 kps (1) |
| $\begin{aligned} & \text { SHP: 20,000 } \\ & \text { (Tenth Class } \\ & \text { Shields) } \end{aligned}$ | AHP: 10,000 (Tungsten; 50.00 cm ) | Guns: Laser, Offensive (7/3/60) Tachyon Gun, Standard (4/3/56) | Ordnance: Capship Missile (6/0.1 AU/60000) | X: None |
| Crew/Passengers: 224/49 <br> (273 $400 \mathrm{~m}^{3}$ Suites) |  |  | Cargo Capacity: $3,200 \mathrm{~m}^{3}$ (3,200 m ${ }^{3}$ base) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Apprehension Module x1, Hospital Module x1, ECM Module (-10 HD), SWACS Module x1, Ramscoop, Backup Shield Generator Mount x1 \{Tenth Class Shield x1\}, Gun Cooler +10, ITTS, Tracking Computer, Capship Systems Adapter, Reinforced Chassis, Expendable Pod Mount x13 \{Escape Pod x 13 (21 1.1607 $\mathrm{m}^{3}$ EEV) \}, Weapon Station x 14 (Gun Hardpoint x3 (Forward Narrow; Tachyon Gun), Dual Gun Barbette x5 (Forward Hemisphere x1, Portside Hemisphere x2, Starboard Hemisphere x2; Laser), Dual Gun Limited Turret x2 (Forward/Starboard/Portside x1, Starboard Wide/Portside Wide x1; Laser), Dual Gun Turret x3 (Forward OTS x1, Aft OTS x2; Laser), Heavy Ordnance Hardpoint, Bank x1 (Forward Narrow; Capship x16)).

Flaws/Bonuses: None.
NOTES: Known ships of the class include KIS Ralaxath, KIS Frawqirg, KIS Takh'lath and KIS Wexarragh.

## Fralath

| Kilrathi Fralath-class Escort Cruiser |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Very Heavy Destroyer |  |  | Size Class: $24\left(39,861,453.67 \mathrm{~m}^{3}\right)$ |  |
| SI: 9.385 | Cost: €14,866,702,885 | HD/BHD/FHD: 41/42/58 | INIT: +7 (Seventh Class Engine) | Max Speed: 180 kps (1) |
| SHP: 2,625 (Third Class Shields) | AHP: 5,000 (Tungsten; 25.00 cm ) | Guns: Laser, Offensive (7/3/60) Tachyon Gun, Standard (4/3/56) | Ordnance: Capship Missile (6/0.1 AU/60000) | X: None |
| Crew/Passengers: 520/126 (646 $400 \mathrm{~m}^{3}$ Suites) |  |  | Cargo Capacity: $12,800 \mathrm{~m}^{3}$ <br> (12,800 m ${ }^{3}$ base) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Apprehension Module x1, Hospital Module x1, ECM Module (-10 HD), SWACS Module x1, Ramscoop, Gun Cooler + 14, ITTS, Tracking Computer, Capship Systems Adapter, Reinforced Chassis, Expendable Pod Mount x17 \{Escape Pod x 17 (38 $0.6538 \mathrm{~m}^{3}$ EEV) \}, Weapon Station x 16 (Dual Gun Barbette $\times 6$ (Portside Hemisphere $\times 4$, Starboard Hemisphere x2; Laser), Dual Gun Barbette $\times 3$ (Portside Hemisphere x2, Starboard Hemisphere x1; Tachyon Gun), Dual Gun Limited Turret x3 (Starboard Hemisphere/Aft x2, Portside Hemisphere/Starboard Aft x1; Laser), Dual Gun Limited Turret x1 (Portside Hemisphere/Starboard Aft; Tachyon Gun), Dual Gun Turret x1 (Forward OTS; Laser), Dual Gun Turret x1 (Forward OTS; Tachyon Gun), Heavy Ordnance Hardpoint, Tube x1 (Forward Narrow; Capshipx8)).

| Flaws/Bonuses: None. |
| :---: | :---: |
| NOTES: Known ships of this class include KIS Fralath. |

## Fralthi-II

| Fralthi-I/-class Cruiser |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Very Light Battlecruiser |  |  | Size Class: 22 (13,082,918.44 m ${ }^{3}$ ) |  |
| SI: 41,800 | Cost: €49,403,793,250 | HD/BHD/FHD: 45/48/62 | INIT: +6 (Seventh Class Engine) | Max Speed: 150 kps (1) |
| $\begin{aligned} & \text { SHP: 30,000 } \\ & \text { (Tenth Class } \\ & \text { Shields) } \end{aligned}$ | AHP: 10,000 <br> (Tungsten; 50.00 cm ) | Guns: Laser, Offensive $(7 / 3 / 60)$ | Ordnance: Capship Missile (6/0.1 AU/60000) | X: None |
| Crew/Passengers: 696/174 (870 $100 \mathrm{~m}^{3}$ Staterooms) |  |  | Cargo Capacity: $3,200 \mathrm{~m}^{3}$ (3,200 $\mathrm{m}^{3}$ base) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Apprehension Module x1, Hospital Module x1, ECM Module ( -10 HD), SWACS Module x1, Ramscoop, Backup Shield Generator Mount x2 \{Tenth Class Shield x2\}, Gun Cooler +14 , ITTS, Tracking Computer, Capship Systems Adapter, Expendable Pod Mount x20 \{Escape Pod x20 ( 430.5747 m² EEV) \}, Hangar Bay Module x1, Carrier Systems x4, Weapon Station x16 (Dual Gun Sponson x1 (Forward; Laser), Dual Gun Barbette x6 (Starboard Hemisphere x3, Portside Hemisphere x3; Laser), Dual Gun Limited Turret x4 (Portside Hemisphere/Starboard Ahead x2, Starboard Hemisphere/Portside Ahead x2; Laser), Dual Gun Turret x4 (Forward OTS x2, Aft OTS x2; Laser), Heavy Ordnance Hardpoint, Bank x1 (Forward Narrow; Capship x24)).
Flaws/Bonuses: Sluggish Handling (-1 INIT).

NOTES: The standard flight compliment for this class is 24 small craft; total hangar capacity is $194,000 \mathrm{~m}^{3}\left(14,000 \mathrm{~m}^{3}\right.$ from accommodations). The cost of this craft has been calculated assuming a compliment of 8 Darket Light Fighters, 8 Dralthi-/V Medium Fighters and 8 Vaktoth Heavy Fighters, each with default specifications.

Known ships of the class include KIS Fralthi (II), KIS Shal'Kuz Mang, KIS Dravnor and KIS Kheerakh.
Dubav

| Kilrathi Dubav-class Escort Carrier |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Very Heavy Destroyer |  |  | Size Class: $24\left(74,005,348.78 \mathrm{~m}^{3}\right)$ |  |
| SI: 15,075 | Cost: €16,978,171,015 | HD/BHD/FHD: 45/46/61 | INIT: +5 (Sixth Class Engine) | Max Speed: 120 kps (1) |
| SHP: 2,625 (Third Class Shields) | AHP: 11,250 (Tungsten; 56.25 cm ) | Guns: Laser, Offensive (7/3/60) | Ordnance: Capship Missile (6/0.1 AU/60000) | X: None |
| Crew/Passengers: 800/188 (988 200 m $^{3}$ Luxury Staterooms) |  |  | Cargo Capacity: 20,000 $\mathrm{m}^{3}$ ( $12,800 \mathrm{~m}^{3}$ base, $7,200 \mathrm{~m}^{3}$ from accommodations) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Apprehension Module x1, Hospital Module x1, ECM Module (-10 HD), SWACS Module x1, Repair Bay Module x1, Ramscoop, Gun Cooler +9, ITTS, Tracking Computer, Capship Systems Adapter, Expendable Pod Mount x19 \{Escape Pod x19 (52 0.475 m $^{3}$ EEV) \}, Shelter Module x1, Carrier Systems x2, Weapon Station x11 (Dual Gun Barbette x7 (Portside Hemisphere x4, Starboard Hemisphere x3; Laser), Dual Gun Turret x3 (Forward OTS x1, Aft OTS x1, $360^{\circ}$ x1; Laser), Heavy Ordnance Hardpoint, Tube x1 (Forward Narrow; Capshipx4)).

Flaws/Bonuses: Sluggish Handling (-1 INIT).
NOTES: The standard flight compliment for this class is 32 small craft; total hangar capacity is $225,000 \mathrm{~m}^{3}\left(180,000 \mathrm{~m}^{3}\right.$ from accommodations). The cost of this craft has been calculated assuming a compliment of 8 Darket Light Fighters, 8 Dralthi-/V Medium Fighters, 8 Vaktoth Heavy Fighters and 8 Strakha Medium Stealth Fighters (Uprated), each with default specifications.

Known ships of this class include KIS Dubav.

## Bhantkara

| Bhantkara-class Super Carrier |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Medium Battlecruiser |  |  | Size Class: 25 (114,010,305.71 m ${ }^{\text {3 }}$ ) |  |
| SI: 30,960 | Cost: € 85,229,832,930 | HD/BHD/FHD: 49/49/65 | INIT: +5 (Sixth Class Engine) | $\begin{gathered} \text { Max Speed: } 100 \\ \text { kps (1) } \end{gathered}$ |
| $\begin{aligned} & \text { SHP: 20,000 } \\ & \text { (Tenth Class } \\ & \text { Shields) } \end{aligned}$ | AHP: 10,000 (Tungsten; 50.00 cm ) | Guns: Laser, Offensive (7/3/60) | Ordnance: Capship Missile (6/0.1 AU/60000) | X: None |
| Crew/Passengers: 4,800/1,194 (5,994 200 m $^{3}$ Luxury Staterooms) |  |  | Cargo Capacity: $25,600 \mathrm{~m}^{3}$ ( $25,600 \mathrm{~m}^{3}$ base) |  |

Accessories/Pods: \{lon Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x2\}, Apprehension Module x1, Hospital Module x1, ECM Module (-10 HD), SWACS Module x2, Repair Bay Module x2, Ramscoop, Backup Shield Generator Mount x1 \{Tenth Class Shield x1\}, Gun Cooler +7, ITTS, Tracking Computer, Capship Systems Adapter, Expendable Pod Mount x37 \{Escape Pod x37 (162 $0.1542 \mathrm{~m}^{3}$ EEV) \}, Hangar Bay Module x1, Carrier Systems x4, Weapon Station $\times 9$ (Dual Gun Sponson x1 (Starboard Ahead; Laser), Dual Gun Barbette x5 (Starboard Hemisphere x2, Portside Hemisphere x2, Portside Ahead/Portside x1; Laser), Dual Gun Turret x2 (360; Laser), Heavy Ordnance Hardpoint, Bank x1 (Forward Narrow; Capship x24)).

## Flaws/Bonuses: Sluggish Handling (-1 INIT).

NOTES: The standard flight compliment for this class is 128 small craft; total hangar capacity is $1,281,200 \mathrm{~m}^{3}\left(81,200 \mathrm{~m}^{3}\right.$ from accommodations). The cost of this craft has been calculated assuming a compliment of 24 Darket Light Fighters, 24 Dralthi-/V Medium Fighters, 24 Vaktoth Heavy Fighters, 16 Sorthak Super-Heavy Fighters, 24 Strakha Medium Stealth Fighters (Uprated) and 16 Paktahn Heavy Torpedo Bombers, each with default specifications.

Known ships of the class include KIS Bhantkara, KIS Karga (Abandoned 2670), KIS Sar'hrai, KIS Sivar's Glory and FRLS Miol/nir.

## Hvar'kann

| Hvar'kann-class Dreadnought |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Chassis/Weight: Heavy Space Station |  |  | Size Class: 37 (506,972,176,759.41 m ${ }^{3}$ ) |  |
| SI: 191,920 | Cost: €63,001,835,227,500 | HD/BHD/FHD: 65/63/85 | INIT: +1 (Sixth Class Engine) | Max Speed: 100 kps (1) |
| $\begin{gathered} \text { SHP: 160,000 } \\ \text { (Tenth Class } \\ \text { Shields) } \end{gathered}$ | $\begin{gathered} \text { AHP: } 30,000 \\ \text { (Isometal; } 25.00 \mathrm{~cm} \text { ) } \end{gathered}$ | Guns: Laser, Offensive $(7 / 3 / 60)$ | Ordnance: Capship Missile (6/0.1 AU/60000) | X: None |
| Crew/Passengers: 24,000/5,925 (29,925 400 m $^{3}$ Suites) |  |  | Cargo Capacity: $104,857,600 \mathrm{~m}^{3}$ (104,857,600 m ${ }^{3}$ base) |  |

Accessories/Pods: \{Ion Engine, Impulse Engine, Matter/Antimatter Reactor, Akwende Drive, External Docking Port x4, Carrier Systems, Shelter Module\}, Apprehension Module x8, Hospital Module x8, Emergency Stasis Unit, ECM Module (-20 HD), SWACS Module, Repair Bay Module,
Ramscoop, Turboinjector, Backup Shield Generator Mount x7 \{Tenth Class Shields x7\}, Backup Sensor Array x1, Backup Communications Array x1, Gun Cooler + 15, ITTS, Tracking Computer, Expendable Pod Mount x 105 \{Escape Pod x 105 ( 2840.0875 m³ EEV) \}, Carrier Systems x3, Weapon Station x20 (Dual Gun Sponson x2 (Portside x1, Starboard x1; Laser), Dual Gun Barbette x 12 (Portside Hemisphere x5, Starboard Hemisphere x5, Portside/Starboard x2; Laser), Dual Gun Turret x2 (Aft OTS; Laser), Heavy Ordnance Hardpoint, Bay x4 (Forward Narrow; Capship x88)).

Flaws/Bonuses: Space Station Chassis. 1/10 General Damage Reduction.
NOTES: The standard flight compliment for this class is 248 small craft; total hangar capacity is $307,200,000 \mathrm{~m}^{3}$. The cost of this craft has been calculated assuming a compliment of 40 Darket Light Fighters, 48 Dralthi-IVMedium Fighters, 40 Vaktoth Heavy Fighters, 40 Sorthak SuperHeavy Fighters, 40 Strakha Medium Stealth Fighters (Uprated) and 40 Paktahn Heavy Torpedo Bombers, each with default specifications.

Known ships of the class include KIS Hvar'kann, KIS Vengeance of Vukar Tag and KIS Vorghath.

## navication

Almost all adventures in the Wing Commander Universe involve characters going somewhere and doing something, whether its talking to (or shooting at) an alien species, visiting a nearby planet to conduct some mining, or searching for the nearest pub. Even those adventures that take place at a single site involve movement. Movement is an integral part of the game; keeping track of it is equally important if not more so. Any character will be hard-pressed to complete an adventure if they don't know where they are or where they've been. The same is true of vehicles and capital ships; they might be used for fighting, but their primary purpose is as a means of conveyance.

Navigation is the process of planning, reading and controlling movement from one place to another. In the original games, navigation was an important aspect; players had to go and do things (usually involving one or more combat situations) at specific places to complete their missions. A pilot competent in navigation could make life a lot easier on themselves by avoiding hazards and encounters for which they would otherwise be ill-equipped to handle (this was particularly true in Privateer, where a player rarely had to go places they didn't choose to go in the first place).

This Chapter is devoted to the topics of navigation. The first section discusses the particulars of fuel consumption and fuel efficiency for both vehicles and capital ships. Section two discusses planetary exploration, including how to incorporate random exploration with planned encounters on a planet's surface. Section three discusses interplanetary travel, including all aspects of slower-than-light movement inside star systems. Section four discusses interstellar travel, including how to use Morvan Drives, D-Drives, Akwende Drives and other FTL travel aspects. The final section contains navigational data for use in adventures, including Akwende Projections of the "canonical" Wing Commander Universe as well as specific nav data on the Gemini Sector and a few of the better known star systems.

## A Quick Discussion of Kinematics and Units of Measurement

WCRPG uses linear kinematics, the motion of objects in straight lines without consideration of the circumstances leading to it. In many of the situations used in the game, the mathematics involved in movement has been vastly simplified from real life. Those player groups that are more mathematically inclined can use their own methods for determining movement if they desire.

The most basic law of linear kinematics is the simple relationship $d=r t$, or Newtonian distance equals average velocity multiplied by time elapsed; put even more simply, distance equals speed times time. Travelling characters will need to be made aware of how far it is to their destination, how fast they can go and how much time it will take to get there. Fortunately it's fairly easy to calculate. All that's required is that two of the factors (distance, speed or time) are already known or can be readily determined (or even made up, in certain situations). To find distance, multiply speed by time. To find out how long it'll take to get somewhere, divide the distance by speed. To find out how fast the characters will need to travel to get somewhere by such and such a time, divide distance by the time desired. It is really that simple. However, in order for the equation to work like it's supposed to, all of the involved units must be the same. If the GM uses a speed in kilometers per hour and time in seconds, the formula will yield a confusing final answer in a convoluted "kilometers-seconds per hour", rather than a tidy "kilometers". If the GM uses a distance in kilometers and speed in miles per hour, they'll end up with a time elapsed in "kilometer-hours per mile", rather than "hours".

Traditionally, Wing Commander uses the metric system (SI units). Player groups are welcome to use other terms of measurement as they see fit, though all materials within the WCRPG core rules will use metric terms.

The standard unit of distance in WCRPG is the meter. One meter equals 39.4 inches (just a little over a yard). For larger distances, kilometers are used; kilometers are equal to 1000 meters or 3280.8 feet (roughly . 62 miles). For extreme distances sometimes measured in relation to the tactical shortrange movement of fightercraft and capital ships, megameters (1000 kilometers or 1,000,000 meters) and sometimes gigameters ( $1,000,000$ kilometers, a little over 3 light-seconds) are reasonable units with which to work, though neither will be mentioned again in this set of rules. Simply put, fighters and capital ships really are that fast. The largest measure of distance used in WCRPG is the astronomical unit (the distance between Earth and Sol), which is roughly 150,000,000 kilometers ( $93,000,000$ miles) in length and is used to measure the distance between points in interplanetary space. When such discussions are required, distances in interstellar space will use either light years (roughly 9.5 trillion kilometers) or parsecs (3.26 Light Years or roughly 30.86 trillion kilometers). The Kilrathi standard unit of measurement - the mak - may also be encountered on occasion along with the derivative terms "zarmak" ( $1 / 64$ of a mak) and "octomok" ( 8 maks). 1 mak is roughly equal to 1.2 meters (though there can be significant deviations with this figure).

The standard unit of time in WCRPG is the second, defined as "the duration of 9, 192,631,770 periods of the radiation corresponding to the transition between the two hyperfine levels of the ground state of the cesium-133 atom"; this exact definition is listed here for the sake of throwing in some worthless trivia into the game and is not really pertinent to gameplay. Larger units of time can be derived from the second: a minute equals 60 seconds, an hour equals 60 minutes, a day equals 24 hours and a week equals 7 days. A month lasts anywhere from 28 to 31 days long (roughly four weeks) and a year is equal to 12 months, 52.1 weeks, or 365.24 days. Curiously enough, the Kilrathi also use the second as their base measurement of time, though it can generally be assumed that any other derivative terms (such as "sun years") will use variations on their overall base-eight counting system.

Speed (and by extension, velocity; there is a mathematical difference between the two terms) is a derived measurement based on the change in an object's position over time. As different units of measurement can be used for both distance and time measurements, there are many different possible units that may be used for speed. While the normal derived SI measurement for speed and velocity is the meter per second, WCRPG utilizes kilometers per hour (or kph). One kilometer per hour equals 0.27778 meters per second and also equals 0.62137 miles per hour. In those cases where a faster unit of speed is needed (usually when dealing with space vehicles), WCRPG uses kilometers per second (kps); one kps equals 3600 kph .

Because the calculation of speed, distance and time can be a bit tricky, a GM should take the time to calculate the distances that need to be traversed in any adventure they create. For Vespus, this set of measurements has already been done; the GM need merely to reference the data.

## Vehicles, Capital Ships, and Fuel Consumption

If a group of characters is going to be doing a lot of traveling during the course of an adventure, they are probably going to want to use a vehicle. There are many advantages of using vehicles in terms of the amount of supplies that can be hauled and the amount of time it takes to travel over just hoofing it. In some cases a vehicle is required just to make the journey possible, such as when a character group must go visit another planet. When using vehicles for travel, there are three crucial questions that must be answered: how far can the vehicle travel in a given period of time, how far did the vehicle travel in that same period of time and how much fuel did the vehicle use in that same period
of time. This sub-Chapter focuses on the third question. NOTE: for the sake of brevity and except where otherwise noted, capital ships will be considered space vehicles for purposes of this discussion.

## A Quick Word about Fuel

Vehicles require fuel. There's no real way around this fact; even the most primitive of machines require some kind of fuel in order to function (though in this case the "fuel" is usually provided by a living being). Vehicles in WCRPG are no exception to this fundamental rule: without fuel, a vehicle will go nowhere in a real hurry. A fundamental question that arises when operating a vehicle is whether or not it will have sufficient fuel to make it to its destination, considering any tasks its crew has to perform along the way.

Most Starfaring Age vehicles generate thrust and power either through fusion or matter/antimatter reactions. Fuels for these reactions often include the use of common fissile materials such as uranium or plutonium (whose fission reactions are used to provide the initial energetic kick required to start the fusion reaction) as well as fusible materials, usually deuterium, tritium and/or an advanced mixedoxide material. Antimatter is created in specialized particle accelerators and requires the use of the same materials used for fusion reactions. A sufficient quantity of antimatter is capable of providing enough energy to power a capital ship's Akwende drive; it stands to reason that even a small quantity of antimatter could provide virtually unlimited fuel for a small craft, though only a few vehicles in the Wing Commander continuity (such as the F-107 Dragon) are even capable of utilizing antimatter as a power source. Non-Starfaring Age vehicles will utilize other fuel sources; Metal Age vehicles in particular may rely heavily on wind power while Industrial Age vehicles will use fossil fuels, solar, wind or nuclear sources. These are of course just a few possible fuel sources; GMs are free to come up with their own sources of fuel for use in their adventures. In practical terms, fuel is fuel; it doesn't matter so much what kind of fuel a vehicle has as much as that it actually has something.

The amount of fuel a vehicle had remaining was a somewhat important aspect of the original games; fuel level determined whether or not the player could use their afterburner or jump to the next system. In WCRPG, keeping track of fuel consumption is no less important. In fact, it is more so; running out of fuel is a Bad Thing that, depending upon the situation, can have a number of nasty effects (the player might be forced to march back to their ship, make a distress call, have to continue fighting on reserve power only or plummet out of orbit). To keep track of how much fuel a vehicle has remaining, WCRPG utilizes a system of fuel points. Expenditure of these points allows the vehicle to perform one or more actions. Fuel points do not equate to any specific amount of a fuel substance; simply put, there isn't enough data to definitively say what the actual fuel capacity is for most of the extant craft in the Wing Commander Universe. For reference, all vehicles have a number of fuel points equal to ten times their Size Class provided they incorporate Engines; the vehicle carries no fuel otherwise. Certain accessories such as Fuel Tanks and Drop Tanks may augment the number of fuel points a vehicle has at its disposal. In addition to their regular fuel "tank", vehicles have a very small reserve for use in the event of an emergency situation. This reserve is generally no larger than $5 \%$ (rounded up) of the vehicle's normal fuel capacity. While that isn't a lot, it may give a vehicle just enough reach to make it to a refueling depot or at least to get it to a safe stop on terra firma. Switching to the reserve is automatic in the event the main tank runs dry.

In the event a vehicle's fuel completely runs out, what happens to it depends largely on the vehicle's chassis and where it is. Most land vehicles will generally start decelerating and come to an eventual stop. Skimmers are an exception; when they run out of fuel their repulsor cuts out, which means that they immediately drop to the ground and as likely as not are subjected to a collision and skid (this counts as a Sideswipe attempt against the Skimmer with an automatic success). Sea vehicles will start to drift along on any currents the vehicle was experiencing at the time it ran out of fuel. Any submerged submarine will lose ballast control and begin Taking on Water; Air vehicles will
automatically Stall as will any space vehicle in atmosphere. A space vehicle in the middle of atmospheric re-entry will lose control over the process. A space vehicle in planetary orbit will begin an uncontrolled atmospheric re-entry as soon as its orbit decays, though any occupants will likely run out of life support well before the vehicle actually begins atmospheric re-entry. Finally, a space vehicle in space will drift; given the vastness of space, it's unlikely that anyone friendly would chance upon the vehicle and give its crew some fuel. Fightercraft are an exception; when their fuel runs out, they can continue on at cruising speed - they may not engage their afterburners, however.

Places where a vehicle's fuel supply may be replenished depend upon the groundwork laid out for an adventure by the GM. The GM may decide to make it possible to fuel up only at a home base, at a friendly port, in mid-flight or somewhere else entirely.

## Fuel Efficiency for Subluminal Travel

A vehicle's fuel efficiency is the ratio of the amount of fuel it expends to a given distance of travel. In WCRPG, there are three key factors that affect a vehicle's fuel efficiency: the vehicle's base fuel efficiency as determined by its Engine Class and augmented with certain accessories, the difficulty of the terrain through which a vehicle is passing relative to other possible terrain types (known, perhaps unsurprisingly, as terrain difficulty) and the severity of the current weather.

The distance considered when determining a vehicle's fuel efficiency (called the navigational unit distance) is solely dependent upon the vehicle's chassis. More specifically, it's dependent upon which of the four general terrain categories in which the vehicle is designed to operate: land, sea, air or space. The navigational unit distance for a vehicle is exactly five times the distance represented by its combat range increment. For land vehicles, this distance is five kilometers. Sea vehicles use a navigational unit distance of 50 kilometers, while for air vehicles it's 100 kilometers; space vehicles in atmosphere are treated as air vehicles, so they also use the 100 kilometer distance in that case. For star-borne space vehicles and capital ships, the increment is 5,000 kilometers unless an active Impulse Drive is being used, in which case it's 0.1 AU (fifteen million kilometers). Fuel efficiency for all superluminal travel follows its own set of rules as outlined later in this sub-Chapter.

Because of the diversity of vehicles that exist in WCRPG, terrain effects on fuel efficiency are determined using a set of categorical difficulties as opposed to specific terrains; this is because terrain that might be a given difficulty for one type of vehicle might be drastically easier or harder to negotiate for a different vehicle type. Muddy Terrain is a good example. Most land vehicles might have a tough time negotiating muddy terrain (for the sake of argument let's say it's a Difficult terrain difficulty level for them) but a Skimmer would be able to fly right over it (Extremely Easy) as would most air and space vehicles. Sea vehicles wouldn't be able to negotiate mud at all (Impossible); that's three different terrain difficulty levels all describing "muddy", a single type of terrain.

The following table describes the various terrain difficulty categories and provides a list of example terrains for each category for each type of vehicle. This table is meant as a general guide only; GMs are welcome to use whatever terrain difficulty they feel is most appropriate to the situation at hand.

Terrain Difficulty Categorical Descriptions and Examples

| Category Title | Description | Examples |
| :---: | :---: | :---: |
| Extremely Easy | Vehicle should have no difficulty negotiating the terrain. | Paved road (land); calm seas with gentle winds (sea); thin to moderate air density and gravity below 0.5 gees (air); interstellar space (space). |
| Very Easy | Vehicle should have minimal difficulty negotiating the terrain. | Bare, flat rock or plains (land); light chop and gentle winds (sea); gravity between 0.5 and 0.8 gees and thin to moderate air density (air); interplanetary space (space). |
| Easy | Vehicle may have some minor problems negotiating the terrain. | Forested terrain (land); moderate chop and fresh winds (sea); gravity between 0.8 and 1.2 gees with moderate air density (air); high orbit or interlunar space (space). |
| Moderate | Vehicle may have some minor problems negotiating the terrain even with an experienced pilot. | Densely forested or Sandy terrain (land); heavy chop and gale force winds (sea); gravity between 1.2 and two gees with moderate to thick atmo (air); very low planetary orbit (space). |
| Difficult | Vehicle can expect problems negotiating the terrain. | Snowy or Icy terrain (land); tropical storm conditions (sea); very thin atmo or thick to very thick atmo with gravity greater than two gees (air); asteroid field (space). |
| Very Difficult | Vehicle can expect problems negotiating the terrain even with an experienced pilot. | Muddy terrain (land); hurricane conditions (sea); very thin atmo with gravity above 0.5 gees or very thick atmosphere with gravity greater than 2.5 gees (air); tightly packed asteroid field (space). |
| Extremely Difficult | Vehicle can expect major problems negotiating the terrain even with an experienced pilot. | Liquid terrain (land); severe hurricane conditions or shoals (sea); very thick atmosphere with gravity above three gees (air); vicinity of a neutron star (space). |
| Impossible | Negotiating the terrain would take a miracle. | Lava flow (land); beyond severe hurricane conditions (sea); no atmosphere (air); inside the event horizon of a black hole (space). |

In addition to having an effect on fuel efficiency, terrain difficulty will always have an effect on any piloting Checks made in order to negotiate the given terrain.

Weather also plays a crucial role in determining a vehicle's fuel efficiency. Adverse weather conditions often force a vehicle's engines to work harder in order to achieve the same level of performance possible in calmer conditions. Weather can affect a vehicle's fuel efficiency regardless of the four general terrain categories in which the vehicle is designed to operate; even vehicles operating in space can be affected by "space weather" (solar and magnetic storms, etc.) if the GM decides to incorporate such phenomena into an adventure. For purposes of this discussion, only planetary weather phenomena will be discussed.

WCRPG utilizes four categories of weather for determining its effects on fuel efficiency: Calm, Light, Heavy and Severe. Calm weather generally means little to no adverse weather conditions (/and vehicle examples include clear skies, overcast skies with no precipitation, mist, haze or fog). Light weather refers to weather that has a comparatively minor impact on fuel efficiency (for sea and air vehicles, this includes overcast skies, mist, haze or fog; land vehicles include light to moderate rain or snow). Heavy weather refers to weather that has a significant impact on fuel efficiency though it is not severe enough to cause significant structural damage (this includes heavy rain, snow or any kind of precipitation for sea and air vehicles). Finally, Severe weather is any kind of weather that is capable of causing structural damage to a vehicle and has a major negative impact on its fuel efficiency regardless of whether or not any actual damage occurs (this includes any kind of storm). Earthquakes and volcanic eruptions are considered storms for purposes of determining fuel efficiency even though they are technically not weather phenomena.

The following chart outlines the possible fuel efficiencies for any given hour of travel; the listings are in fuel points expended per navigational units of distance traveled. To read the table, the GM must find the cell that corresponds to the intersection of the column corresponding to the vehicle's base fuel efficiency with the row that corresponds to the current terrain difficulty level. Four fuel efficiency ratings are given inside each cell, each one corresponding to a specific type of weather; Calm weather is listed on the top, then Light, then Heavy and finally Severe on the bottom. For example, a
land vehicle with a Fourth Class Engine is traveling in sand when a thunderstorm kicks up. A Fourth Class Engine has a base fuel efficiency of twenty percent and sand is considered Moderate terrain using the example table listed above. Looking in the cell where these two factors intersect, the fuel efficiencies are $1 / 1$ for everything from Calm to Heavy weather and $2 / 1$ for Severe weather; a thunderstorm is considered Severe weather, so the 2/1 rating will be used. For that hour, the vehicle will consume two fuel points for every five kilometers it travels (due to it being a land vehicle).

| Fuel Efficiency Ratings based on Engine Efficiency, Terrain and Weather |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Engine Efficiency |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Terrain | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | 70 | 80 | 90 | 100 |
| Extremely Easy | 2/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/5 | 1/5 | 1/10 | 1/10 | 1/10 |
|  | 3/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/5 | 1/5 | 1/10 | 1/10 |
|  | 3/1 | 2/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/5 | 1/5 | 1/5 |
|  | 5/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 |
| Very Easy | 3/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/5 | 1/5 | 1/10 | 1/10 |
|  | 3/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/5 | 1/5 | 1/5 | 1/10 |
|  | $4 / 1$ | 2/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/5 | 1/5 |
|  | 5/1 | 3/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 |
| Easy | 3/1 | 2/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/5 | 1/5 | 1/5 |
|  | 3/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/5 | 1/5 | 1/5 |
|  | 4/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/5 |
|  | 6/1 | 3/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 |
| Moderate | 4/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/5 |
|  | 4/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/5 |
|  | 5/1 | 3/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 |
|  | 8/1 | 4/1 | 3/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 |
| Difficult | 6/1 | 3/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 | 1/3 |
|  | 6/1 | 3/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/2 | 1/3 | 1/3 | 1/3 |
|  | 8/1 | 4/1 | 3/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/2 | 1/3 | 1/3 |
|  | 11/1 | 6/1 | 4/1 | 3/1 | 2/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 |
| Very Difficult | 8/1 | 4/1 | 3/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/3 | 1/3 |
|  | 9/1 | 4/1 | 3/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/2 | 1/3 |
|  | 11/1 | 5/1 | 4/1 | 3/1 | 2/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 |
|  | 16/1 | 8/1 | 5/1 | 4/1 | 3/1 | 3/1 | 2/1 | 2/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
| Extremely Difficult | 13/1 | 7/1 | 4/1 | 3/1 | 3/1 | 2/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
|  | 15/1 | 7/1 | 5/1 | 4/1 | 3/1 | 2/1 | 2/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
|  | 18/1 | 9/1 | 6/1 | 4/1 | 4/1 | 3/1 | 3/1 | 2/1 | 2/1 | 2/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
|  | 27/1 | 13/1 | 9/1 | 7/1 | 5/1 | 4/1 | 4/1 | 3/1 | 3/1 | 3/1 | 2/1 | 2/1 | 2/1 | 1/1 | 1/1 |
| Impossible | 40/1 | 20/1 | 13/1 | 10/1 | 8/1 | 7/1 | 6/1 | 5/1 | 4/1 | $4 / 1$ | $3 / 1$ | 3/1 | 3/1 | 2/1 | 2/1 |
|  | 44/1 | 22/1 | 15/1 | 11/1 | 9/1 | 7/1 | 6/1 | 6/1 | 5/1 | $4 / 1$ | 4/1 | 3/1 | 3/1 | 2/1 | 2/1 |
|  | 53/1 | 27/1 | 18/1 | 13/1 | 11/1 | 9/1 | 8/1 | 7/1 | 6/1 | 5/1 | 4/1 | 4/1 | 3/1 | 3/1 | 3/1 |
|  | 80/1 | 40/1 | 27/1 | 20/1 | 16/1 | 13/1 | 11/1 | 10/1 | 9/1 | 8/1 | 7/1 | 6/1 | 5/1 | 4/1 | 4/1 |

## Interplanetary Travel

In order to be of any use to anyone, a capital ship or space vehicle must at some point slip the bonds of its mother world and head into the heavens. Between the time a craft launches and it either lands or begins superluminal travel, it is considered to be in a state of interplanetary travel (also known as interplanetary transit), ready to move between bodies in a solar system. As with intraplanetary travel, the key questions when moving between two points in interplanetary space are how long it will take to arrive at the destination point and how hard it's going to be to successfully navigate a safe course.

The most general case of interplanetary travel involves movement from one planet to another planet in the same star system. However, interplanetary travel does cover some ground that has nothing to do with moving in between planets. It may be that a vehicle is simply launched into space, orbits the planet from which it launched for a time and then descends back to its surface (as with modern space flight). It may also be that a vehicle is launched for the purpose of traveling between a planet and one of its moons or perhaps between the moons of two different planets. Still other vehicles may be sent on an investigation of some local phenomenon in space such as a comet or asteroid or to patrol
the volume of space around a carrier. All forms of movement in space that remain contained within a single star system are considered forms of interplanetary transit in WCRPG and are subject to the same general rules. Since all movement between points in interplanetary space follows the same general model as movement from planet to planet, this general case will be discussed; where any significant differences exist, they will be so noted.

WCRPG has two distinct systems in place for conducting interplanetary travel. Vespus utilizes the second method, a somewhat realistic solar system model that emphasizes realism. This method is seen in some of the novels such as End Run.

## Orbits, Quadrants, and Calculating Distances in Star Systems

Characters utilizing the realistic solar system model will need to have a way of determining where exactly Point $A$ and Point $B$ are. In the case of the realistic model, a quasi-polar coordinate system is used to determine the positions of objects within the system; this coordinate system uses quadrants and orbits to determine the locations of objects within the system.

Star systems are divided into four quadrants, each of which represents exactly one quarter of the system's total volume. These quadrants meet up at a common point in the exact center of the system's barycenter and are placed along its invariable plane. Quadrants are designated numerically from one to four (or first to fourth, following the terminology used in this discussion) counterclockwise around the orbital plane, with one quadrant arbitrarily designated as first quadrant. As with planetary prime meridians, the designation and boundary planes of a system's quadrants were determined arbitrarily at the time the
 system was first cataloged; by convention the first quadrant is always located on the upper right-hand side of the system map. Travel time in the system is dependent upon which quadrant(s) the source and destination points are located as is the difficulty of the piloting Check needed to move between them.

All objects that orbit the barycenter in a star system are located within their own orbital lane. Orbital lanes are located at a number of astronomical units from barycenter, which is usually the system's primary (for more details on star system creation, see Chapter 10.2.2). When combined with information regarding the quadrant in which the object is currently located, the orbital lane defines its overall position. Objects in the system that orbit objects other than the primary (such as moons or planetary ring belts) will also have a planetary orbital lane, the purpose of which is also to determine the object's location; the origin point simply changes from the system's barycenter to the center of the object it is orbiting. These objects inherit positional information from their primary object. For example, a planet is located in the third quadrant at a distance of 1.009 AU from its primary. If there is a moon at 1.3 times that planet's Roche Limit (let's say the limit is 54,000 km for the sake of this example), the moon's position is in the Third Quadrant, 1.009 AU from the primary and orbiting at a distance of $70,200 \mathrm{~km}$.

Once again, calculating the distance between two points using the Star System model in WCRPG can be done in one of two ways: a simple way and a realistic way. As usual, the trade-off between the two methods is ease of calculation versus travel difficulty and fuel/time consumption. The GM should prior to the onset of their adventure select which method they'd like to employ.

To use the simple method, the GM must begin by finding the orbital distance of the desired destination and the orbital distance of the vehicle from the destination's primary (if applicable). Subtract the larger amount from the smaller amount. If the destination point is in the opposite quadrant, double the result; if it is in the same quadrant, halve the result (round up). The final result of these calculations is the distance to be traveled in AUs.

The realistic system makes a general assumption about the positions of an object; it is always at the exact midpoint of its orbit through its current quadrant. Similarly, moons are always at the exact midpoint of their journey through the "planetary quadrant" in which it is orbiting. This assumption is made to simplify the trigonometry involved; the realistic method involves translating the coordinates of the object from the polar coordinate system into a Cartesian coordinate system (i.e. into an orthogonal grid). To do this, the value of the cosine and sine of 45 degrees ( 0.707 in both cases) is multiplied by the value of the orbital distance; the result is the magnitude of the planet's location along both the x and y axis. Depending on the quadrant in which the object is located, the individual values of x and y can be either positive or negative. In Quadrant I, both x and y are positive values. In Quadrant II, $x$ is negative while $y$ is positive. Both values are negative in Quadrant III, while in Quadrant IV x is positive and y is negative. For example, a planet is located in the third quadrant at 1.009 AU .1 .009 times the sine of 45 is roughly 0.713 . Since it's located in the third quadrant, the planet's coordinates are at $(-0.713,-0.713)$ within the system. Once the Cartesian coordinates of both the source and destination planets have been determined, the Pythagorean Theorem ( $V /$ source $x$ - destination $\left.x)^{2}+(\text { source } y \text {-destination } y)^{2}\right)$ can be employed; the final result should be rounded to the nearest whole integer to get the final distance.

It's generally assumed that the amount of time required to travel to a moon from its primary and vice versa is insignificant compared to the time it would take to travel to the planet; for cases where a craft wants to visit a moon orbiting another planet, the GM may simply use the same travel time it would take to get to the planet. If the vehicle should happen to be orbiting a source moon orbiting another planet, use the travel time from the source planet to the destination planet. The only time that planetary orbital lanes are used is if the craft is going from moon to moon around the same planet. In that case, the same methods that apply for traveling between planets can be employed for travel between them; the planet acts as the primary in this case.

## Interplanetary Transit

Before a space vehicle breaks planetary orbit or launches from a space station, its crew will need to plot a course to its destination. This destination can be any point in space whether it is in the same star system or not; most destinations will be in the same system unless the vehicle is from an advanced Industrial Age society or if it is preparing a Morvan hop. The coordinates of the destination can be compared with the coordinates of the ship's present position (i.e. the source position) to get information on how far away it is using one of the distance formulas discussed earlier in this chapter and how much fuel it will take to get there. In adventures where the plot requires the characters to go to a specific destination, the GM can have all this information prepared ahead of time. In situations where a GM is running a more open campaign, the players will tell them where they'd like their characters to go; they will then have to calculate the necessary information as rapidly as possible.

To travel within a star system, a vehicle's pilot will either need to make a Vehicle Piloting or Starship Piloting Check depending on whether or not the craft in question is a capital ship. The DC of the Check will be adjusted based on the estimated amount of time required to reach the destination and any "terrain" the GM may be incorporating.

The amount of time it takes to move between two points in a star system depends solely upon the speed of the craft regardless of what system is used to determine the distance. To determine the amount of time required, the GM simply needs to take calculated distance and divide it by the craft's maximum speed; if using the star system model, the distance in AU should be multiplied by 150,000,000 first to convert it into kilometers. The final result will be the time of transit in either hours or seconds, depending on whether the vehicle's top speed is rated in kph or kps; should it be rated in kps , the result should be divided by 3600 in order to convert it into hours. Space vehicles from Starfaring societies may be operated with or without Impulse Engines; a space vehicle may attempt to enter interplanetary space without an Impulse Engine, though if the star system model is being used the amount of time needed to reach another planetary body will be quite significant; the chart in Chapter 8.0 will provide an idea of just how long.

Terrain phenomena may also have an impact on interplanetary transit. Aside from asteroid fields and nebulae, interplanetary terrain phenomena were not part of the original Wing Commander games; a GM may add them to an adventure if they wish either for more realism or to spice things up a bit. The following table lists the potential effects of terrain on the difficulty of a journey through interplanetary space. Unless a phenomenon is listed as having a "system-wide" effect, its effects only come into play if the GM determines that the vehicle will pass within close proximity to the phenomenon (e.g. while a star may have both a Stellar Corona and a Stellar Photosphere, a vehicle doesn't have to worry about either of them unless it gets too close; a Neutron Star located in the same system is going to cause problems even if the vehicle doesn't go anywhere near it.)

| Effects of "Terrain" Phenomena on Interplanetary Transit |  |  |
| :---: | :---: | :---: |
| Terrain Name | DC Modifier | Additional Effects / Notes |
| Dust Belt Diffuse | 0 | Easy Terrain. Micro-meteoroid damage is possible for each diffuse dust belt the vehicle passes through. In the event of a failed transit Check, the vehicle takes 1 d 10 points of damage in addition to all other effects from the failed Check. |
| Dust Belt Dense (Rings) | 2 | Moderate Terrain. 5 d 10 points of micro-meteoroid damage occur for each dense dust belt the vehicle passes through regardless of the success or failure of the transit Check. |
| Asteroid Belt | 2 | Difficult Terrain. Corresponds to a Dense dust Belt (causes 5 d 10 points of micro-meteoroid damage regardless of the result of the transit Check). In the event of a failed transit Check, a larger rock strikes the vehicle for 8 d 10 points of damage. |
| Radiation Belt | 5 | Easy Terrain. Exposes an unshielded crew to interstellar radiation (Armor counts as shielding in this instance); the crew must all roll Fortitude Saves to avoid the effects of radiation poisoning. The radiation can be set to various exposure levels. |
| Stellar Corona | 10 | Moderate Terrain. In addition to behaving as a Radiation Belt, $2 \mathrm{~d} 10 \times 10$ points of thermal damage occurs regardless of the result of the transit Check. If shielding is reduced to zero as a result, an additional $2 \mathrm{~d} 10 \times 10$ points of thermal damage occurs and the effects of the Radiation Belt are doubled. |
| Stellar Photosphere | 12 | Extremely Difficult Terrain. In addition to behaving as a Radiation Belt, $5 \mathrm{~d} 10 \times 10$ points of thermal damage occurs regardless of the result of the transit Check. If shielding is reduced to zero as a result, an additional $10 \mathrm{~d} 10 \times 10$ points of thermal damage occurs and the effects of the Radiation Belt are quadrupled. |
| Nova | 15 | System-wide effect; Moderate Terrain. A Nova behaves like a Stellar Corona. It causes 10d10x10 points of damage from the shockwave if the vehicle is in the system when it occurs. On a critical failure of the transit Check in this event, the vehicle is destroyed. |
| Supernova | 37 | System-wide effect; Very Difficult Terrain. A supernova behaves like a Stellar Corona. It causes 20d10x10 points of damage from the shockwave if the vehicle is in the system when it occurs. On any failure of the transit Check in this event, the vehicle is destroyed. Post-supernova systems may either have a White Dwarf, a Neutron Star or a Black Hole in place of the supernova on subsequent visits to the system. |
| Neutron Star | 18 | System-wide effect; Difficult Terrain. Extremely Difficult terrain in proximity. A Neutron Star behaves like a Stellar Photosphere; gravitational effects add 1d2 AU to the length of the transit. On any failure of the transit Check, the vehicle is destroyed. |


| Black Hole | 50 | System-wide effect; Very Difficult Terrain. Impossible terrain in proximity. A Black Hole behaves like a Stellar Photosphere; gravitational effects add 1d10 AU to the length of the journey. On any failure of the Starship Piloting Check, the vehicle is destroyed. |
| :---: | :---: | :---: |
| Hypernova | N/A | Being in a star system when a hypernova occurs results in the instant destruction of the vehicle under all circumstances. Post-hypernova star systems have a Black Hole in place of the hypernova on subsequent visits. |
| Nebula | N/A | System-wide effect; Moderate Terrain. Shields will be non-functional while a vehicle is located inside a nebula. +25 DC to all Stealth Checks; +1 Range Increment penalty. A nebula may have additional effects at GM's discretion; suggestions include: <br> - Nebulae cause d5*100 points of damage per hour. <br> - Nebulae have the same effects as a Radiation Belt. <br> - Nebulae disable some of a ship's systems (such as weapons, sensors, etc.) <br> Nebulae require ships to slow down when passing through them; otherwise damage occurs. |

Once the time to the destination has been calculated in hours, the amount of any modifier from terrain features and the amount of any Engine damage the craft has sustained should be added to it; this final amount is subtracted from the Check's DC. Any decimal remainder from the time to destination should simply be truncated. When an Impulse Drive is being used, time does not factor into any DC modification of the Check.

If the transit Check succeeds, the vehicle proceeds to its destination without incident; if it fails, the vehicle will take an additional amount of time to reach its destination equal to the degree of failure in minutes. The Check has critical potential: in the event of critical success, the vehicle will arrive at its destination early by an amount of minutes equal to the degree of success (to a minimum of ten minutes). In the event of critical failure, the Navigator gets the vehicle Lost and as a result the journey takes twice as long as it should have; the vehicle will also have one encounter which cannot be negated by the pilot's Stealth score (see below).

Here are a couple of examples of how interplanetary transit works. Let's say we have a capital ship moving from a planet at coordinates $96 \times 87$ on a nav map to a jump point clear across the system at 27x27. Let's further say this ship has a Sixth Class Engine with a top speed of 100 kps and that its Navigator has a Navigation score of 100 (for a +10 DC bonus to all underlying skills) with 25 points specifically in Starship Piloting; this gives us a total DC of 35 for their Starship Piloting Checks. To prepare for the transit, the GM calculates the distance between the two points; the destination is 69 units away along the $x$-axis and 60 units away along the $y$-axis. Using simple count, the total distance would be 129 units or 129,000 kilometers; with real count, the distance is reduced to 91,439 kilometers. At 100 kps, it would take 1,290 seconds to reach the jump point using simple count 10.35 hours; 21 minutes and 30 seconds). Similarly, it would take 914 seconds ( 15 minutes and 14 seconds) to reach the destination with real count. In both cases, since the transits take less than one hour and since we haven't specified any system-wide terrain effects, the DC of the Check would not be modified at all; the final DC would be 35. It would take 26 fuel points to make the journey on simple count and 18 fuel points with real count. Let's say real count was utilized. The dice are rolled; the result is a 04. This is just out of critical success range but most definitely a success, so the ship will proceed to its destination without incident.

The second example will use the System Quadrants image above. In this scenario, a capital ship is at planet " $A$ ", which is at 0.177 AU from the system's primary and in the first quadrant. Three other planets are in the system: "B" (0.504 AU, second quadrant), "C" (1.009 AU, third quadrant) and " $D$ " ( 32.056 AU , fourth quadrant). Using the realistic method for determining distances in the solar system model, this works out to a distance of 0.534 AU between planets $A$ and $B, 1.186$ AU between $A$ and $C$ and 32.067 AU between $A$ and D. Assuming the ship has a Sixth Class Engine with a normal top speed of 100 kps , it would have a top speed of $7,000 \mathrm{kps}$ when its Impulse Engine is engaged. Doing the math for each of these potential destinations, the transit from Planet A to Planet

B will take 3.179 hours, from A to C will take 7.058 hours and from A to D will take 190.783 hours (a little less than eight days). Since an Impulse Drive is being employed, no modifications will be made to the Check DC in all of these cases.

Let's say the ship's captain has been ordered to drop off some listening buoys around the distant planet D. The ship's Navigator has a DC of 36 for the transit Check. The dice are rolled; a 38 results, a minor failure but a failure nonetheless. Two minutes are tacked onto the transit for a final transit time of 190.816 hours (or 7 days, 22 hours, 48 minutes, and 57.6 seconds). With no weather and Extremely Easy terrain, the fuel efficiency will be 1 fuel point per three navigational distance units, 1 fuel point per 0.3 AU in this case. At a distance of 32.067 AU, the ship will need 107 fuel points to make the transit; capital ships have 140 at a minimum, so it definitely has enough fuel to make the journey easily. Once there, it will need three hours and eighteen minutes to refill its tanks back to maximum (or less if planet D happens to be a gas giant and it's equipped with ramscoops).

## Encounters in Star Systems

For every hour a craft is in an interplanetary transit, the GM will make a concealed Check of its pilot's Stealth Skill. If this Check fails, the vehicle will have a random encounter in space. If the Navigator fails the initial transit Check critically, one encounter is automatic during the transit; the GM may conduct the encounter at their discretion in this case even if one is not indicated for the hour. These Checks affect the possibility of random encounters only; a GM may always conduct a planned encounter at any point in transit in accordance with the plot of their adventure at their discretion.

If a random encounter is indicated during the course of a transit, the GM will need to determine who or what has been encountered; this needs to be a logical decision based upon the territory in which the craft is currently located. Should the encounter happen in a frontier, unexplored or neutral system, the GM may choose who has been encountered at their discretion; this is a good opportunity to roll out some of the rarer and more unusual craft (such as a Steltek Drone). The GM may also choose to ignore a random encounter at their discretion, though there's not as much fun in doing so.

When setting up an encounter, the GM should consider the current SI of the vehicle and quickly compose a group of encountered craft that come close to matching it. It's generally okay to go under or over the SI as long as the encountered group comes within 100 points either way; any amount substantially below that may be too easy of an encounter while any amount substantially above that may be too difficult. Encounters do not necessarily require combat; an encounter may simply entail hailing and talking to the crew of another craft for a while (a good opportunity to advance a story and get in some good role-playing). Encounters can also simply involve a situation where either vehicle just jets off without bothering to open communications without the other party giving pursuit; there may not be much as much fun in that but occasionally this sort of encounter is appropriate. Of course, depending upon who is encountered, combat may very well be an automatic result (e.g. a Terran craft can pretty much be assured that there will be some shooting going on if it encounters any Kilrathi craff). During the course of the encounter, Technology Checks may be made as appropriate to determine any vital stats on the opposing group. Encounters terminate when there is sufficient space between all encountered craft or when one group is completely destroyed as a result of combat.

## COMBAE

Any decent role-playing adventure has at least situation wherein the only way for the characters to survive is for them to fight their way out of it. All of the rules, creation procedures and miscellaneous items in this rulebook lead back to one thing: how characters, creatures, vehicles and capital ships handle themselves in combat.

The combat system in WCRPG has been designed to be as flexible as possible in order to cater to the favorite style of the player group. It may be that some players want to conduct combat as a full-on simulation, or perhaps they may want to use miniatures with simultaneous combat. Other groups may prefer quick combat; just pick an option and have it resolved immediately. WCRPG's system is capable of handling all of these possibilities, though because of this flexibility the rules may seem large, overly complex and intimidating at first glance; they become easier to handle with practice.

## General Combat Rules

WCRPG is unique in that there is no one "right" way to conduct combat; the system has been designed to be as flexible as possible in order to accommodate as many different types of gamers as possible. Combat therefore is based on a set of "combat methods". The differences in combat methods involve how a particular function is utilized (e.g. a gaming group that utilizes miniatures may or may not also utilize an orthogonal grid; if they don't, range is determined by direct measurement). There are also a few key differences between the three major scales of combat: Character-scale, Vehicle-scale and Capital Ship-scale; these are mainly differences in degrees of damage potential, defensive capabilities, time passage and distance covered in movement. There are also a few Skills that are used on one scale that are not used on others. Though there are several different potential methods for conducting combat in WCRPG, they all utilize a single set of general combat rules; it's these rules that will be discussed in this sub-Chapter.

All combat follows this general pattern:

1. Determine if there is a surprise combat round.
2. Roll Initiative checks.
3. Determine initial ranges.
4. Declare actions for the surprise round (if applicable).
5. Resolve any surprise round actions (if applicable).
6. Declare general combat actions.
7. Resolve general combat actions.
8. Resolve combat.

It is possible that a GM will have to go through some of the steps in this procedure several times before combat is finally resolved. Specifically, if it is determined that combat has not be concluded in step Eight of the procedure, steps Six through Eight will have to be repeated. Each step applies to all combatants; the more participants in a combat action, the longer it will take to reach its final resolution.

## A Word on the Different Combat Methods

As previously mentioned, there are several different "combat methods" in WCRPG. During an adventure's planning phase, it is very important for a GM to select the combination of methods they will use and to inform their players of those methods. This is important largely from the standpoint of the meta-game; simply put, some players are looking for different role-playing experiences from others. It is important for the GM to cater to as many of the players in their group as possible in order to help make the whole experience more enjoyable for them. There are two key combat methods upon which a GM needs to decide: "grid" and "timing".

## Grid

Combat in WCRPG may or may not be conducted on a combat grid. A "grid" in this case means any method of conducting combat wherein there is a visual means of determining the range between combatants. The presence of an actual grid is not a requirement of gridded combat though there is one in the strictest sense of the term's usage. A GM may elect to use a Physical Grid, an Abstract Grid or No Grid. Note that WCRPG handles all combat in no more than two dimensions; while combat in three dimensions would be more realistic, in terms of game-play all a third dimension would do would be to add an additional range modifier and make the game much more complex. GMs are welcome to play with house rules that account for a third-dimension if they so choose.

A physical grid is exactly what it sounds like: an orthogonal grid of whatever size the GM needs for the current action. Each square on the grid equals one range increment. A combatant may have up to eight different facings inside a given square oriented either orthogonally or diagonally. The physical grid best matches the type of combat seen in other pencil-and-paper role-playing game systems such as D\&D ${ }^{T M}$ and Traveller ${ }^{T M}$.

An abstract grid does not utilize an actual grid but does include physical objects that can be seen, moved and have their positions measured in relation to each other. Miniatures games such as Wings of War ${ }^{\text {TM }}$ and Battlefleet Gothic ${ }^{\text {™ }}$ work along this concept and it is this form of combat that probably relates most closely to the original Wing Commander games. In order to determine ranges along an abstract grid, a measuring stick will be required; a good scale to use is one inch per range increment for players who are familiar with imperial units and three centimeters per range increment for those familiar with metric units. Combatants on an abstract grid are not confined to a defined number of facings. This method lends itself to a good deal of realism though the GM and players will likely need a great deal of available space.

Combat can also be played with no grid. Most early video RPGs such as Dragon Warrior ${ }^{\text {rm }}$ and Final Fantasy $I^{T M}$ use this type of system; the player simply picks an option to exercise when their turn comes up. A 2 d 10 roll is made every turn with the result indicating the range to the selected target. Move actions, facings and combat arcs in this method are essentially non-existent, allowing players to conduct more in terms of other actions if they desire. Combat without a grid has the benefit of not requiring any additional equipment or space to play out and has a tendency to move a little bit faster than other methods as a result; on the downside, it is far more abstract. It is recommended when playing with no grid that only a single set of HP counts be utilized and only those weapons capable of firing into the combatant's forward narrow firing arc be allowed

## Rules for Utilization of Hex Grids

GMs who prefer to use a hexagonal grid over an orthogonal grid may do so; it should be noted, however, that the game's rules have been written assuming the use of an orthogonal grid and so use of a hex grid therefore requires some alterations. First, combatants may only have six different facings inside each hex; these are aligned with the edges of the hex, not the corners. Combatants that utilize combat arcs (see Chapters 9.3 and 9.4) will have six such arcs instead of four, one for each possible facing. Any reference of changes in heading by 45 and $90^{\circ}$ increments should be changed to $60^{\circ}$ (i.e. one facing), and $135^{\circ}$ to $120^{\circ}$ (two facings). Finally, any shots that would travel directly to port or starboard in an orthogonal map (target bearing $90^{\circ}$ or $270^{\circ}$ ) may either "zigzag" along the off-hexes or may affect both corresponding hexes at half damage at the GM's discretion. In all cases, an individual hex represents one range increment just like a square in an orthogonal grid.

## An Alternative System for Non-Gridded Combat

GMs who utilize the standard range roll for non-gridded combat may find that they don't like it due to too much variation in range between rounds and an inconvenient "clumping" of ranges between nine and eleven. This occurs due to the laws of probability for any multi-die roll. For those who find this system to be too unrealistic or inconvenient but still don't want to use a grid, an alternative system may be utilized instead; this system is dependent upon the range between two combatants during prior rounds of combat and will require additional bookkeeping on the part of the GM.

The following sets of conditions are utilized in the alternative system:

- 2 d 10 is rolled for range any time a combatant has selected a new target. This includes the initial combat round (when "previous" ranges have not been determined) and also occurs when a combatant neutralizes its previous target.
- If 2 d 10 was rolled for a craft's range to its target in the previous round:
- Use 1 d 10 for the range to its target during the next round if the result was ten or less.
- Use 1 d 5 for the range to its target during the next round if the result was five or less.
- If 1 d 10 was rolled for a craft's range to its target in the previous round:
- Use 2 d 10 for the range to its target during the next round if the result was eight or nine.
- Use 1d5 for the range to its target during the next round if the result was zero or one.
- If 1 d 5 was rolled for a craff's range to its target in the previous round:
- Use 1d10 for the range to its target during the next round if the result was two or higher.

While this system may be a little more convoluted to implement, the end result is that combatants that close to within weapons range of their targets and will stay relatively close to them in most cases; the end result is generally more realistic.

## Weapons Stations and Relative Bearings

Weapons Stations in general determine the number of weapons a vehicle carries and defines the combat arcs into which a weapon may be fired. Weapons Stations are counted as accessories for both vehicles and capital ships. Weapons Stations are described as a phrase of categorical descriptions with the following form:

```
<qualifiers> <weapon type> <arc coverage>, <magazine (if applicable)>
```

The specific descriptors along with their effects are listed in the table below.

| Weapons Station Descriptors and Effects |  |  |  |
| :---: | :---: | :---: | :---: |
| Descriptor Category | Descriptor | Cost Modifier | Effect |
| Qualifier (May have more than one.) | Armored | Varies* | Adds armor (and AHP) to a Weapons Station. The descriptor adds one-ten thousandth the normal price of Armor per 0.1 centimeters of Durasteel equivalent ( 1 AHP) Armor added to the station. The normal maximum amount of Armor for the chassis type may not be exceeded without the installation of a Reinforced Chassis Accessory. List any amount of Armor after any magazine descriptor or arc coverage. |
|  | Gatling | Total Cost * 12 | Increases weapon's rate of fire; make four attack rolls for the weapon when used. The results stack with the weapon's normal re-fire potential. |
|  | Multi-Fire | Varies* | Adds another hardpoint to the station. Increases the price of the Weapons Station based on weapon type: Guns add twenty, Missiles add twenty-five, torpedoes add thirty and special weapons add fifty. Multi-fire weapons stations should be referred to in Latin adjective form (i.e. Dual, Triple, Quad, Quintuple, Sextuple, Septuble, Octuple, Nonuple, Decuple, Undecuple, Duodecuple, Tridecuple, Quadrecuple, Quindecuple, Sedecuple, Sepdecuple, Ocdecuple, Nondecuple, Vigentuple, etc.). |
| Weapon Type | Gun | 20 | The Weapons Station may carry any one Gun. |
|  | Light Ordnance | 25 | The Weapons Station may carry any one piece of light ordnance. |
|  | Heavy Ordnance | 30 | The Weapons Station may carry any one piece of heavy ordnance. |
|  | Special | 50 | The Weapons Station may carry any one non-projectile weapon or any item specifically designated as a special weapon. |
| Arc Coverage | Hard-point | Total Cost * 1.00 | Attached weapons may fire into a narrow $\left(45^{\circ}\right)$ arc. This level of arc coverage may not be coupled with the Multi-Fire Qualifier if the Weapons Type is Gun. |
|  | Sponson | Total Cost * 1.25 | Attached weapons may fire into a standard (90 ) arc. |
|  | Barbette | Total Cost * 1.50 | Attached weapons may fire into a standard arc and an adjacent narrow arc or into a full hemispheric ( $180^{\circ}$ ) arc. |
|  | Limited Turret | Total Cost * 1.75 | Attached weapons may fire into a hemispheric arc plus either an adjacent narrow arc or an adjacent standard arc. |
|  | Turret | Total Cost * 2.00 | Attached weapons may fire into an over-the-shoulder (315) arc or into a full $360^{\circ}$ arc. |
| Magazine (Ordnance only; may be numerically qualified.) | Tube | N/A | The Weapons Station has a magazine of up to ten weapons. |
|  | Bank | N/A | The Weapons Station has a magazine of up to twenty-five weapons. The weapons are limited to DF and Rockets for all but Transport Chassis vehicles prior to 2711. |

Vehicles in WCRPG use a system of relative bearings to determine if a target is within a particular weapon's firing arc (i.e. to establish whether or not the weapon has "line of sight" on the vehicle's target). A relative bearing is a bearing in which the reference direction $\left(0^{\circ}\right)$ is straight ahead and where the bearing is measured relative to the front of the vehicle. Particular sets of bearings into which a weapon may be fired are further designated as firing arcs. A weapon's default bearing (i.e. the direction in which it is normally aimed) should be included along with the total number of degrees of its firing arc; the indicated bearing will be assumed to be the center-point of its firing arc. For example, a weapon that has a center-point of zero degrees and ten degrees of arc may fire along any bearing from $355^{\circ}$ to $5^{\circ}$. Bearing information is necessary due to the various grids that may be utilized via the game's flexible combat engine.

Instead of including specific center-point and arc data, a Weapons Station may employ a predesignated firing arc. The following table outlines the data for the pre-designated firing arcs that will be used throughout WCRPG as a shorthand notation. The data includes the name of a specific arc designation, the specific range of bearings for which it applies and images demonstrating the specific
arcs; each wedge on these images indicates an approximate $22.5^{\circ}$ of arc. The center-point of each arc is intended to serve as a weapon's default bearing in all cases. Where the game refers to "major combat arcs", the four italicized arcs (forward, portside, aft and starboard) are meant.

| Designations of Firing Arcs for Vehicles and Capital Ships |  |  |
| :---: | :---: | :---: |
| Arc Designation | Specific Relative Bearing Range | Image |
| Forward (Fore) | $315^{\circ}-45^{\circ}$ |  |
| Forward Narrow | $338^{\circ}-22^{\circ}$ |  |
| Forward Wide | $293{ }^{\circ}-67^{\circ}$ |  |
| Starboard Ahead | $0^{\circ}-90^{\circ}$ |  |
| Starboard Ahead Narrow | $23^{\circ}-67^{\circ}$ |  |
| Starboard Ahead Wide | $338^{\circ}-112^{\circ}$ |  |
| Starboard (Right) | $45^{\circ}-135^{\circ}$ |  |
| Starboard Narrow | $68^{\circ}-112^{\circ}$ |  |
| Starboard Wide | $23^{\circ}-157^{\circ}$ |  |
| Starboard Aft | $90^{\circ}-180^{\circ}$ |  |
| Starboard Aft Narrow | $113^{\circ}-157^{\circ}$ |  |
| Starboard Aft Wide | $68^{\circ}-202^{\circ}$ |  |


| Aft (Behind) |
| :---: | :---: |
| Aft Narrow |
| Portside Ahead Wide |
| Forward Hemisphere Wide |
| Portside Aft |
| Portside Ahead Narrow |
| Portside Wide Aft Narrow |


| Starboard Ahead Hemisphere | $315^{\circ}-135^{\circ}$ |  |
| :---: | :---: | :---: |
| Starboard Hemisphere | $0^{\circ}-180^{\circ}$ |  |
| Starboard Aft Hemisphere | $45^{\circ}-225^{\circ}$ |  |
| Aft Hemisphere | $90^{\circ}-270^{\circ}$ |  |
| Portside Aft Hemisphere | $135^{\circ}-315^{\circ}$ |  |
| Portside Hemisphere | $180^{\circ}-360^{\circ}$ |  |
| Starboard Ahead Hemisphere | $225^{\circ}-45^{\circ}$ |  |
| Forward Over-the-Shoulder | $203{ }^{\circ}-157^{\circ}$ |  |
| Starboard Ahead Over-the-Shoulder | $248^{\circ}-202^{\circ}$ |  |
| Starboard Over-the-Shoulder | $293{ }^{\circ}-247^{\circ}$ |  |
| Starboard Aft Over-the-Shoulder | $338^{\circ}-292^{\circ}$ |  |
| Aft Over-the-Shoulder | $23^{\circ}-337^{\circ}$ |  |
| Portside Aft Over-the-Shoulder | $68^{\circ}-22^{\circ}$ |  |



For example, a Weapons Station with a descriptor of "Gun Hard-Point (00, no arc)" indicates a nonarmored, single weapon platform capable of holding one gun and firing that weapon along a straight line ahead of the vehicle. A more complex example is an "Armored Gatling Nonuple Heavy Ordnance Turret (Forward Over-the-Shoulder), Double Bank, 50 cm ". This indicates a weapons station that has 50 centimeters of armor, has an increased firing rate, has nine heavy ordnance launchers, can fire on bearings between $210^{\circ}-150^{\circ}$, and has a magazine capable of holding up to 50 weapons at the same time.

Weapons Stations may be explicitly targeted via Targeting actions. A Weapons Station can sustain 100 points of damage before being destroyed, unless it has have been given armored plating; an armored station can sustain 100 points plus the amount of AHP it has been given. When a Weapon Station is Targeted, Core Damage will not occur unless the Station is destroyed in the attack; $1 \%$ Core Damage occurs when a Weapons Station is destroyed.

## Timing

The GM also must make a decision about the timing of actions. All actions have two phases: declaration and resolution (also referred to as Action and Reaction); timing is in reference to the resolution phase. The GM may elect to have Turn-Based or Simultaneous timing.

In Turn-based combat, all actions are resolved immediately after they are declared, before any other combatant gets an opportunity to declare their actions. This is the traditional RPG timing format and strongly favors combatants that go first in the order of battle (details on the order of battle are listed later in this sub-Chapter. The GM follows the order of battle, allowing the present combatant to declare and resolve their actions one at a time. As a result of a combatant's actions, an opposing combatant further down in the order of battle may be neutralized before they get a chance to declare any actions.

In Simultaneous combat, all actions are resolved simultaneously. This form of timing is utilized in Wing Commander: Tactical Operations. Following the order of battle, each combatant makes their declarations; instead of resolving them immediately, the GM will wait until all combatants have declared all of their actions before resolving any of them. This timing removes any advantages of the order of battle and allows a combatant that is about to be neutralized to make a final set of actions. In simultaneous combat, any damage inflicted upon a given combatant does not count until the end of the current combat round. Simultaneous combat is not recommended for the inexperienced GM.

A complicating factor of the timing combat method is that it need not be universal for all parts of a combat round; GMs may apply different timing methods for various types of actions. For example, a GM might set movement and end-round actions to a simultaneous method while applying turn-based
attacking and damage resolution, or perhaps set their movement to turn-based timing while allowing all other aspects to be simultaneous. It is generally recommended that inexperienced GMs keep the same mode of timing for all aspects of a combat action or at least have some experienced players in their group before tinkering with various timing modes.

## Simple Combat

The above combat methods make the general assumption that the players in a group want a somewhat moderate amount of realism in combat. There may be player groups that don't really care for mucking about with combat action, preferring to get it over with as quickly as possible so they can get back to the story they're weaving. There may also be times wherein a combat action is central to a story but does not actually involve any of the player character's themselves; such actions may only serve as a distraction to what's going on with them. In these cases, a GM may decide to employ Simple Combat.

As the name implies, simple combat doesn't take a whole lot to execute. For each combatant group, the GM rolls 2 d 10 ; the highest result beats the next lowest hostile result, that roll beats the next lowest hostile result and so on down to the lowest result; that combatant group just loses. Any ties should be broken with successive throws of 1 d 10 until there is a clear list of results. If the action is between two groups of NPCs, the difference in the results indicates the number of combatants in the losing group that have been "incapacitated". Losses are accumulative over successive combat groups based on the highest overall result (e.g. if three NPC combatant groups are in combat and roll 16, 13 and 9, the second group loses three (16-3) and the third group loses a total of thirteen (six from the difference between it and the previous group and seven from the difference between it and the highest group). If the action involves PC combatants, any NPCs that have joined them are incapacitated first. After all the NPCs in a group have been incapacitated, all PCs in the group roll 1d10; the character with the lowest result takes damage, with any ties resolved by successive 1 d 10 rolls. PCs taking damage in Simple Combat take one point of Lethal Damage for each combatant group that rolled higher than they did regardless of the number of combatants in them.

In situations wherein the successful conclusion of combat is not dependent upon completely wiping out the opposing force, the GM may assign goals under Simple Combat. If the result of a group's combat roll is 18 , they may immediately roll again; if the second result is higher than the number of combatant groups remaining, that group achieves its primary goal. If not, they may either achieve a secondary goal or gain $a+1$ bonus to all future rolls in the current combat action. A group that rolls zero must roll again; if the second result is less than the number of combatant groups remaining, that group can no longer complete its primary goal without completely incapacitating all other combatant groups.

If a player group feels that this system is a bit too simplistic, their GM may decide to add modifiers to the result of the 2 d 10 roll based on the relative sizes of the combatant groups; the largest group in combat gets a +1 modifier and another +1 modifier is given to all combatant groups for each additional whole multiple of forces they have over other combatant groups (for example, a group three times larger than another group would receive $a+3$ modifier, one that is five times larger gets $a+5$ modifier, etc.). Should multiple groups be involved in combat, comparisons should be made against the smallest group only. The GM may also decide to add die modifiers for unit experience; a group receives $a+1$ die bonus for every 100 hero points earned by the character with the highest overall number of skill points in the combatant group.

## STEP ONE: Determine if there is a surprise combat round.

When a combat situation is initiated, the GM must determine whether or not there is a surprise round. Surprise rounds occur when one combatant group has been caught off-guard by the sudden appearance of their adversaries. If there is a surprise round, parties who have not been surprised have one bonus round of combat wherein they may conduct actions; surprised parties may not act during this round. Surprised parties may be the targets of actions in a surprise round; if they are fired upon, they may only use their FHD rating for their defense (since they've been caught "flat-footed").

The need for a surprise round is determined at the discretion of the GM; they should think logically about what happened just before combat began. If the characters were making noise and their opponents weren't, it is possible that the characters are not aware of their opponents while the opponents were alerted to the presence of the characters and have had sufficient time to set up an ambush; in this case the characters will be surprised and so a surprise round against them is necessary. On the other hand, maybe the characters have successfully snuck up on a group of sleeping adversaries; not only will they get a surprise round in their favor in this case but it's likely that they will get to deliver coup-de-grâce attacks before their opponents can even respond (since the targets are asleep and therefore Helpless). Perhaps the two groups happen to run into each other on accident (as what might happen when a capital ship runs into an opposing fleet); both groups "surprise" one another in this case and so the need for surprise rounds cancel each other out; there is no need for a surprise round. Finally, perhaps the characters have been alerted to the presence of a group of opponents but a locked door separates the two groups and in their efforts to get the door open, the opponents are alerted to the presence of the characters. In this case, neither group is surprised by the other and no surprise round occurs.

Should a GM award a combatant group with a surprise round, combat proceeds directly to Step Four after initial ranges have been determined; otherwise combat skips over Steps Four and Five and goes directly to Step Six.

## STEP TWO: Roll Initiative checks.

After determining if there is a surprise round, the GM should total up the strength indices of all combatants in a given group; this amount is the group's initial composite strength index. The composite strength index is used as a way of gauging the current strength of one group over another and helps to determine the behavior of NPCs.

The GM's next priority is determining the order of battle, which is done by conducting an Initiative Check. 2d10 is rolled for each combatant. The result is added to the combatant's Initiative rating; the final sum is the combatant's Initiative Check Value. The GM will find the combatant with the highest Initiative Check Value next; this combatant goes first in the order of battle. Combatants with subsequently lower scores should be placed next in the order of battle; the combatant with the lowest Initiative Check Value will be placed last. Should two combatants have the same Initiative Check Value (i.e. a tie occurs), a few methods any be used to determine who will be placed next. PCs may be placed before NPCs. For groups of NPCs that are of the same class or type, both may perform their actions simultaneously if the GM so chooses. Finally, if neither of these conditions apply, 1d10 may be rolled for each combatant with the next spot on the order of battle going to the combatant with the higher result; this can be repeated much as is necessary.

Order of battle determines a number of things. First and foremost, it determines the order in which combatants will declare their actions. In an "automatic targeting schema" (largely used by for NPCs), the order of battle can also be used to select targets; a combatant with no higher priority target in the
area will either target the enemy combatant with the next lowest Initiative Check Value or the enemy combatant with the highest Initiative Check Value if no lower values exist.

## STEP THREE: Determine initial ranges.

Once the order of battle has been determined, it is necessary to determine the initial "range to target" for each combatant. Ranges are an important part of combat: the availability of many combat actions is solely dependent upon whether or not a combatant is close enough to use a particular weapon or perform a given action on an opponent. Of somewhat lesser importance in combat is the range and distance of a combat group's members relative to each other (what's known as a marching order in RPG parlance). A group's marching order can be established at any point during the course of an adventure and it can change depending upon who does what. It can be very important to know where adventurers are in relation to each other because a few actions rely upon line of sight. Note that the term "marching order" can also apply to vehicular and capital ship combatants, though it's more common to call them "in formation."

Determining range is accomplished either randomly or through the GM's description of the situation. A GM's description is probably the best way of determining ranges; a phrase such as "You've spotted a group of Kilrathi infantryman about 150 meters away" sets a range without requiring a range roll (the distance given - 150 meters - can be converted directly into a combat range). A discussion of appropriate ranges for the various scales of combat will be supplied in each of their respective subChapters.

Sometimes the GM will either forget to give a range or won't know it (such as what may happen in a random encounter); in this case, the GM will need to roll an initial range to target. The specifics of how this roll is applied depend on whether the GM has decided to use a grid in combat or not. If combat is being conducted without a grid, a combatant's range to their target will need to be rerolled every round. Each combatant is treated as if their initial location in the course of the round is at the indicated number of range increments away from its target. If a combatant targets an opposing combatant and they later wish to target the original combatant in the same round, they have the option of either using the range originally rolled for them for the round or using the final location of the original combatant.

If a grid is being used, the GM must take the combatant at the top of the order of battle and place it as near to the center of the combat grid as possible. They should then select a direction on the grid to be "ahead" and make two d10 rolls, one to indicate a direction and the other range. Depending on the result, the GM should set the opposing combatant with the highest Initiative Check Value the number of indicated range increments away along a straight line in the indicated direction; a result of one is straight ahead, rotating clockwise 45 degrees for each increasing number. On a result of 9, the GM may pick a random direction and on a zero the GM should just roll the dice again. This should be done for each of the combatant groups in the current combat action, using the individual combatant with the highest Initiative Check value for that group's "origin point". Rolls of 1d5 should be made for the range from that origin point for other members of the same combatant group, with these other members either placed "in-formation" or also utilizing a direction roll from the origin point. All members of all groups should be oriented so that they face an opposing group at the GM's discretion. Any combatant can occupy the same spot on the grid as any other combatant (including opposing combatants; if using miniatures, just put the involved combatants as close as possible to the indicated spot with their bases touching). The whole procedure of grid-combat placement by die is more complicated to explain than to perform; it can be circumvented altogether as long as the GM remembers to describe an initial range to target.

## STEP FOUR: Declare actions for the surprise round (if applicable).

Once the positions of all the combatants have been set, a surprise round will be conducted if one is indicated. The surprise round is conducted as a normal combat round (discussed shortly) with only a few exceptions. First, only the group that was awarded the surprise round is allowed to conduct any actions; each combatant participating in the surprise round may make two standard actions or one full-round action along with any number of free actions as normal. Secondly, all targets use their Flat-foot hit difficulty (FHD) instead of their normal hit difficulty (HD) for that round. If any blast weapons are used during the surprise round, either the Blast hit difficulty (BHD) or Touch hit difficulty (THD) may be used instead depending on which value is higher. Targets have an effective Dodge and Evasive Maneuvers Skill score of zero during a surprise round. Finally, any combatant that suffers damage in the surprise round may not regenerate shields or conduct any other type of repairs/healing that round.

## STEP FIVE: Resolve surprise round actions (if applicable).

The resolution of combat actions from the surprise round (involving the application of damage to a target, making Skill Checks, moving, etc.) may take place immediately after they are declared or after all other combatants have declared their actions depending upon the timing method selected by the GM. The GM must check to see if there are any more surprise round combatants that have not yet declared their actions once the current combatant has had their actions resolved. If there are any, the GM must go back to step 4 and have them declare and conduct their actions; if not, the GM may proceed to general combat.

## STEP SIX: Declare general combat actions.

Once the surprise round (if any) has been completed, combat proceeds to general rounds. All combatants may declare two standard actions or one full-round action under normal circumstances; there are some occasions (such as when a character is near death) when they may only perform one standard action; full-round actions may not be performed in these instances. There are even a few situations (such as when a character has been knocked Unconscious) where they may not perform any actions at all. The availability of actions depends upon the combatant's range to their target and what scale of combat is involved. The combatant with the highest Initiative Check Value declares their actions first each round, with each combatant proceeding in turn from highest to lowest Initiative Check Value on the order of battle.

## STEP SEVEN: Resolve general combat actions.

The resolution of combat actions from the surprise round (involving the application of damage to a target, making Skill Checks, moving, etc.) may take place immediately after they are declared or after all other combatants have declared their actions depending upon the timing method selected by the GM. The GM must check to see if there are any more surprise round combatants that have not yet declared their actions once the current combatant has had their actions resolved. If there are any, the GM must go back to step 6 and have them declare and conduct their actions; if not, the GM may proceed to the final phase of combat.

## STEP EIGHT: Resolve Combat.

Once all combatants have resolved their actions in a combat round, the GM should check the status of all combatant groups. If for any reason all groups except one are completely knocked out of the
fighting, the remaining group is automatically victorious and receives any rewards due to them; combat is concluded at that point. If, however, there are still active members of multiple combatant groups, combat may or may not be resolved; the GM will need to see if one of the remaining groups has fulfilled their criteria for victory; if the GM determines that a group has satisfied their victory conditions, that group triumphs over the other groups and the GM may decide whether or not to allow combat continues. If there is more than one group remaining and no group has achieved victory, the GM must return to step Six of the procedure to conduct another round of combat. Combat continues until there is either a clear cut victor or something unusual occurs that forces the suspension of combat.

## Vehicle-scale Combat

The vehicle-scale is the middle range of the combat scales in WCRPG. Given the fact that there is such a wide variety of vehicle types, it is understandable that combat on this scale may seem convoluted at first glance in terms of range-finding and available actions. Other than a few minor items however, vehicle-scale combat isn't much different from character-scale or capital ship-scale combat; it is perhaps best thought as a hybrid of the two.

## Range

The range increments used on the vehicle-scale depend on the terrain category of the combatants. Land vehicles use a range increment of one kilometer, sea vehicles use an increment of ten kilometers and air vehicles use an increment of twenty kilometers. The increment used for space vehicles depends upon the situation; space vehicles fighting in atmosphere are considered air vehicles and use the same range increment. In space an increment of one thousand kilometers will usually suffice if it matters at all. As with the other combat scales, combatants on the vehicle-scale may withdraw from combat if they are greater than fiffeen range increments from all hostile combatants.

Note that the ranges listed above are considered "defaults"; more so than the other scales of combat, the GM must be willing to be flexible with the spatial and temporal frames on the vehicle-scale in order to fit certain situations. For example, a high-speed chase between a police interceptor and a stolen car probably would take place on a spatial scale of a hundred meters or less. Sea combat needs to be particularly flexible since ships tend to move at rates significantly slower than their weaponry; sea combat uses a temporal scale of six minutes per round (instead of six seconds). The important thing as always is that combat flows smoothly.

## Vehicle-scale Actions

Because there is such a wide variety of vehicles, it's not that easy to definitively say who's in charge of giving orders and performing Checks. Many smaller vehicles (bikes, groundcars, etc.) may only have one "station" responsible for controlling all aspects of its operation; in that case, it's usually the craff's pilot that will determine what it will do in combat. Larger vehicles may have multiple persons working at multiple stations; in that case, there's usually some kind of vehicle commander whose job it is to give orders as well as specialists who will actually perform the ordered actions (in this discussion there will be occasional references to gunners, who are specialists dedicated to firing weapons). A vehicle may perform two standard actions or one full-round action per round as well as any number of free actions.

## Give/Belay Orders

A vehicle's commander may choose to give orders during a round of combat; this is a free action. They may also choose to belay any outstanding orders given in previous rounds; this is a standard action. If giving orders, the commander must declare a target specialist, give a specific order to that specialist, declare a specific target of the target if necessary and declare when they would like the order to be carried out if necessary. If belaying orders, the commander need only talk to the specialist performing the action; if that specialist is carrying out more than one order, the commander will need to indicate which of them to belay. A commander may not belay an order that has already been carried out. Giving and belaying orders is an automatic action that requires no Skill Check though Shaken specialists must Rallied before the commander may issue them any orders.

## Rally

A commander may choose to rally Shaken specialists; this is a standard action. This action requires the commander to make a successful Leadership Check; the result of the Check must also succeed against the target's Willpower Save. If successful, the affected specialist is no longer Shaken; any associated penalties end immediately. A commander may attempt to rally multiple specialists simultaneously. The Leadership Check has critical potential; in the event of a critical success, the specialist(s) will no longer be Shaken regardless of whether or not the specific result would have been sufficient for a successful Check and immediately experience the same benefits as a successful Inspire action (see below).

## Inspire

A commander may choose to try to inspire confidence in a non-Shaken specialist; this is a standard action. This action requires the commander to make a successful Inspire Check; the result of the Check must also succeed against the target's Willpower Save. If successful, the affected specialist will not become Shaken if otherwise indicated to do so for a number of rounds equal to the degree of success divided by ten (round up). Further, during that time, that specialist may add the same amount to the DC of all die rolls they perform. A commander may only attempt to Inspire one specialist at a time.

## Ready

Vehicle specialists can be ordered to ready an action for later use; this is similar to how actions are readied on the character-scale (i.e. the specialist prepares an action to perform in the event that some condition takes place between the time they ready the action and the vehicle's next turn). If the conditions for the action's activation are fulfilled, the specialist performs the readied action at once; this delays any action the current combatant may be taking until the readied action is resolved. If the readied action is executed, the vehicle involved loses one of its action phases during the next round; it may lose its entire turn if two readied standard actions or a single full-round readied action is executed. Readied actions are only good for one round; if the conditions needed for their execution do not come about before the vehicle's next turn, the commander must either order the specialist to renew the ready action or declare a different action.

## Stanc-By

A vehicle's commander may to order the vehicle's crew to stand-by as a standard action. By doing so, they declare that the vehicle will do nothing during the course of that action phase; game-play proceeds to the vehicle's next action phase or to the next combatant's first action phase as applicable.

There will probably be few occasions in combat where a commander decides to just sit back and watch but sometimes it may simply be necessary...

## Use Skill/Ability

The commander may order a specialist to use any one of their natural abilities or make Skill Checks as a standard action during a combat round; the commander simply declares which ability/Skill the specialist is to use and a target if appropriate. This is a general "catch-all" action that may be used for any purpose not explicitly mentioned elsewhere.

## Disembark

Any member of a vehicle's crew may get out of it during a combat round. Doing so counts as a move action and may transform the current combat situation from vehicle-scale to mixed-scale.
Disembarking combatants lose any movement benefits and any Cover the vehicle may provide. To leave a vehicle in this manner, it must first be brought to a complete stop and cannot make any move actions in the same round that any crewmember or passenger disembarks.

## Eject

A vehicle's commander may order its abandonment in situations where there is insufficient time to bring it to a stop first; this is a special full-round action. Ejecting is a dangerous proposition but it is still better than staying aboard a vehicle as it explodes. In order to eject, the commander must perform a Survival Check; one-tenth of the total amount of Core Damage (round up) is subtracted from the DC of the Check. If successful, the commander may select any (or all) of the vehicle's personnel to eject immediately; ejecting personnel sustain 3d10 points of Non-Lethal Damage in the process. This Check has critical potential; in the event of a critical success, personnel will not sustain damage upon ejecting. In the event of critical failure, personnel are still ejected from the craft but sustain double the normal amount of Non-Lethal Damage as well as 3 d 10 points of Lethal Damage. Further, the ejection system immediately malfunctions regardless of its current damage level.

Any of a vehicle's occupants may reflexively eject; this can only be done on vehicles equipped with Ejection Seats at the time of its destruction and may only be performed if it has not sustained at least $100 \%$ Core Damage. To eject reflexively, the character must make a successful Reflex Save; they may not eject if this action fails. The damage from this type of ejection is increased to 5 d 10 points of NonLethal Damage.

Ejecting characters in atmosphere may be susceptible to falling damage. Without Ejection Seats, ejecting from a vehicle is little more than just jumping out while it is still moving; the character will take normal falling damage upon hitting the ground. If the vehicle has Ejection Seats or if the character has access to technologies designed to cushion their final impact with the ground (such as a parachute), any damage from the final impact is limited to a maximum of 1 d 10 points of NonLethal Damage.

Ejected characters are considered disembarked; their ejection prompts a change from vehicle-scale to mixed-scale combat. If a character ejects out of a space vehicle, they are treated as jettisoned cargo; if they are wearing a Pressure Suit or used an Ejection Seat, they have eight hours' worth of life support after which time they will be subject to suffocation effects.

## Launch/Retrieve Small Craft

If a vehicle carries any child craft, its commander may order the launch or retrieval of that craft; this is a special action that may take a number of rounds to complete. If the parent vehicle is not equipped with any Carrier Systems Modules, it must come to a complete stop before it may launch or retrieve any child craft; this further requires the vehicle's commander to make a successful Coordination Check. Should the Check fail, the child craft is still launched but automatically sideswipes the parent vehicle in the process (as discussed later). Only one vehicle at a time may be launched in this manner; the launched vehicle must wait one full round before it can make any actions of its own. If it is targeted during this time, it must use its FHD. Craft may be launched and retrieved safely if the parent vehicle has at least one Carrier Systems Module; in that case, the parent vehicle may launch one craft every five rounds (minimum) per Carrier Systems Module installed (i.e. a parent craft with two Carrier Systems Modules installed could launch two child craft at once, wait five rounds, launch another two craft and so forth). The vehicle may only retrieve one child craft at a time per Carrier Systems Module installed, again waiting a minimum five rounds between retrievals. Launched child craft enter combat at Range Zero from the parent vehicle. Launching child craft into combat introduces new combatants and may change the scale of battle from vehicle-scale to mixedscale.

## Jettison Cargo

A commander may order a specialist to jettison some or all of the vehicle's cargo during the course of a round; this is a free action. The commander simply declares which cargo to drop; the jettisoned items are placed at Range Zero from the vehicle. At any later point, any properly-equipped vehicle that moves to Range Zero of the items may use a Manipulate Object action to pick up them up.

## Jink

A vehicle's commander may order its pilot to begin "jinking" during a combat round; this is a move action. Jinking gives the vehicle a -10 circumstantial HD bonus but inflicts a -10 circumstantial DC penalty to all Marksmanship and Ballistics Checks made to fire the vehicle's weapons as well as a -1 penalty to its movement for one full round. Jinking must be the first declared action of a vehicle's combat round; it cannot be the second.

## Ram

A vehicle's commander may order its pilot to ram an enemy combatant during a combat round; this is a special combined move and attack action. To ram another combatant, a vehicle must move directly towards the target and must be able to reach Range Zero. The ram attempt provokes an Opportunity Attack from the opposing vehicle, at a +10 HD penalty to the ramming vehicle. Once at Range Zero, the ramming vehicle's pilot makes a Vehicle Piloting Check at a +10 circumstantial DC bonus as an attack roll. The Check must also succeed against the target's EHD as like a normal attack action (see below). If the attempt succeeds, the GM must roll $\mathrm{xd10x10}$ where x is the Size Class of the smaller of the two combatants and apply the result as damage to both vehicles. The ramming vehicle may not make any further movement actions that round.

## Heac-On Ram

A head-on ram is a special case of a ram action, where the involved craft strike each other in their respective forward firing arcs. All rules for a general ram apply except that the HD penalty for the target's Opportunity Attack is increased to +20 . If successful, a Head-on Ram causes double the amount of damage of a normal ramming attack.

## Sideswipe

A sideswipe is another special case of a ram action. Unlike a normal ramming attack, the ramming vehicle does not need to head directly for the target but may make a number of slip movements as part of its move. The pilot makes the Vehicle Piloting Check to ram without the circumstantial bonus; the HD penalty for the target's Opportunity Attack is decreased to +5 . If successful, a sideswipe will cause half the damage inflicted in a normal ramming attack to the target and half again that amount to the ramming vehicle (round down in both cases).

## Dock

If a vehicle is within Range Zero of another combatant at the beginning of its turn, its commander may order its pilot to attempt to dock with it; this is a move action that can be used to transfer personnel, transfer cargo or for boarding actions. The Pilot must simply succeed at a Vehicle Piloting Check if the target is "willing" to dock; the target's HD is subtracted from the result of the Check otherwise. If the Check fails, a second Vehicle Piloting Check is needed to avoid a collision (standard ramming damage applies in the event of failure). If the first Check succeeds, the vehicle successfully docks with the other combatant. If attempting to dock with an active, hostile combatant, this action provokes an Opportunity Attack.

## Manipulate Object

A vehicle's commander may order a specialist to move or manipulate any object exterior to the vehicle during a combat round; this is a move action and requires the vehicle to be equipped with such devices as grappling arms, tow cables or tractor beams. This action may be used to pick up items including cargo previously jettisoned by another combatant; such items may be placed in the vehicle's cargo hold if it has sufficient available space. This action may also be used to manipulate an object without picking it up. If there are multiple items in the vehicle's vicinity that can be manipulated, the commander must specify which item they wish to affect. Manipulation of objects can have various effects; sometimes these effects can end a combat action immediately (such as what happens when an item is rigged to explode when it is handled).

## Target

A vehicle's commander may order a gunner to target a specific area on an enemy combatant (such as a shield generator or axle); this is a standard action. To target a specific area of an enemy combatant, the gunner must perform a Targeting Check; the result of this Check must not be sufficient for a success but must also succeed against target's HD after adjusting for range ( -2 per range increment; -1 with Tachyon Radar installed); note that this is always against the target's HD rating. If successful, any subsequent damage inflicted by weapons fired by the gunner will automatically inflict systems damage to the specific system targeted. The amount of systems damage inflicted depends upon whether or not the combatant's defenses are still functioning prior before damage is resolved; if the target has Shields still up, the total amount of damage is divided by one hundred and applied as systems damage (round down). If the shields are down but there is still

Armor, the damage is divided by ten instead. If all defenses are gone, the system takes the full brunt of the damage. Each point of damage inflicted on the system in this manner counts as $1 \%$ damage and a subsequent check for malfunction is required. A system may not sustain more than $100 \%$ damage in this manner; if the system reaches $100 \%$ damage, any further applicable systems damage is lost. Likewise, no excessive damage hits may be applied as the result of a targeting action. A targeting lock is lost if the gunner fires on another combatant, if they are later ordered to target a new system on the same target, or if the targeted system is destroyed. NOTE: If gridded combat is being used, only the arc impacted by the weapon is considered for purposes of the amount of additional damage inflicted (i.e. if a vehicle's defenses are completely down in a combat arc and the weapon impacts that arc, the system takes full damage even if the remaining three arcs have sustained no damage at all).

## Scan

A vehicle's commander may order a specialist to use the vehicle's sensors (if any) on a specified target during a combat round; this is a standard action. This action may be used to update the vehicle's information on other combatants (including their current damage level). This usually involves a standard Technology Check though for those vehicles that are too primitive to have any scanning systems or simply don't have any scanners installed a Perception Check may be substituted. The Check must succeed in order to find out any substantial information about the target; failed Checks will utilize the table under the Science skills presented earlier in this guidebook to determine any specific information gathered.

## Repair/Rig

A commander may order a specialist to attempt to repair any damage their vehicle has sustained during the course of a combat round; this is a special action. A commander may order repairs at any time; repairs require the specialist to spend a number of minutes equal to the vehicle's Size Class on the repairs, during which time they are not available to perform any other work. To make a repair attempt, the specialist must make a successful Mechanics Check after the prescribed amount of time is complete. If the Check is successful, they may roll 1 d 10 ; the result is indicates the percentile amount of damage to the system that is immediately repaired (with zero counting as ten in this case). If the system had malfunctioned, the specialist may make a Damage Contro/ Check to bring it back on-line after successfully repairing some of the damage to it; if successful, the system comes back on line immediately. Armor and Core Damage may not be repaired in combat.

A commander may order a specialist to attempt to jury-rig a system during a combat round; this is a full-round action. Jury-rigging requires a successful Damage Control Check with a DC penalty equal to the amount of damage the system has received. If the Check is successful, its functionality is restored but no actual damage is repaired. Should the vehicle receive any amount of damage on subsequent rounds, however, it will automatically malfunction until more permanent repairs can take place.

## Hail

A vehicle's commander may order a communications specialist to attempt to open communications with another vehicle, combatant or non-combatant during a combat round; this is a standard action. Hailing requires a Translate Check; this Check automatically succeeds if the target craft is operated by members of the same species as the hailing craft. All Fightercraft receive a +30 DC bonus to their Translate Check for purposes of hailing. If successful, the crew of the hailing vehicle may talk freely to the targeted party.

## Speak

Any member of a vehicle's crew may choose to speak to any other crewmember during a combat phase; this is a free action. Combatants may speak to one another at any time for any reason, though what they might want to speak about is totally up to the players and the GM. It is important that communicator and receiver speak the same language, to make sure all messages sent between them are understood clearly; this is particularly important when insulting an opponent. A Translate Check is required when communicating parties do not speak the same language; failure of the Check prevents them from speaking meaningfully to one another. If a vehicle is open to the environment or if a vehicle is too primitive to have an active communications system, a Speak action may be used in place of a Hail action to communicate with combatants outside the vehicle, subtracting ten plus the range to the target from the normal DC of the Check; this kind of "hailing action" cannot be jammed.

## Jam

A vehicle's commander may order a communications specialist to attempt to jam another combatant's communications during the course of a round; this is as a standard action. Jamming a target combatant's communications requires a successful Distress Check; if the check is successful, all of the target combatant's electronic communications are jammed for one round (note that this will not affect any spoken communication). As a side effect, if any combatant in the combat zone launches a Friend-or-Foe missile during the course of a round, any jamming will cause an automatic critical miss; the weapon will inflict damage on the firing craft as if its Communications system had malfunctioned (see below).

## Distress

A vehicle's commander may order a communications specialist to attempt to send a distress signal and summon help during the course of a combat round; this is a standard action. Sending a distress call in combat requires a Distress Check with a -5 DC modifier applied for every active enemy combatant. If the Check is successful, the GM may roll d\%; the result is the amount of time that will pass before friendly forces arrive in rounds; the number and type of friendly forces that arrive should be commensurate with the degree of success of the Check. Once the new forces arrive, the GM must integrate them into the current combat situation.

## Treat Crew

A vehicle's commander may order a medical specialist to examine and begin treating a crewmember during a combat round; this is a special action. A commander may order a medic to heal any crewmember at any time; the specialist uses the Assisted Healing rules for the attempt with unfavorable conditions applying due to combat. While being treated, neither the medic nor their intended patient is available to perform other duties. If the patient's HP falls below zero as a result of a botched Treatment Check under combat conditions, the specialist is allowed to make an immediate resuscitation attempt, again with unfavorable conditions applying due to combat.

## Refocus Shields

A vehicle's commander may order a specialist to refocus the vehicle's shields; this is a standard action that assumes the vehicle has Shield systems installed. Rebalancing the shields requires two successful Defenses Checks in a row; if both checks are successful, the craft's commander may re-assign the craft's SHP among its defense arcs as they wish. If either check fails, the SHP mains exactly as it
already is in all defense arcs. The Checks have critical potential: in the event of a critical failure, the Shield system will take 1d\% damage in addition to normal failure effects.

## Tail

A vehicle's commander may order its pilot to attempt to "tail" its current target; this is a special action. In order to attempt this action, the vehicle must be located somewhere within the target's aft defense arc and must have a current heading within twenty degrees on either side of the target's current heading; if these conditions are met, the vehicle's pilot may make a Vehicle Piloting Check which is opposed by a Vehicle Piloting Check performed by the target's pilot. If the target's pilot has the higher degree of success, the tailing attempt fails; otherwise the tailing vehicle may move immediately after the target has moved and prior to it making any subsequent actions during the next round.

## Recharge

All combatants may recharge a single discharged (fired) Gun hardpoint and regain SHP at the end of a combat round. The GM will select one Gun hardpoint to recharge, giving preference to Guns over Missiles and racks over turrets. The vehicle's crew need not wait for all of their Guns to recharge before firing again. For each vehicle in turn, the GM will then add $10 \%$ of the vehicle's maximum hit points plus the highest Defenses Skill score among the vehicle's crew to all defense arcs up to its normal maximum SHP. Finally, if a Gun uses the last shot available in its magazine, a fuel unit may be expended to reload it. Certain accessories may be used to increase a vehicle's Gun and Shield recharge rates.

## Move Action Rules

A vehicle's pilot may be ordered by its commander to change the vehicle's position during a combat round; perhaps unsurprisingly, this is a move action. Movement changes a combatant's range to all other combatants. As with other forms of combat, vehicles receive a number of "movement points" equal to their Combat Speed ratings. Vehicles may also receive additional movement points based upon their equipment; some of this equipment (such as Maneuvering Thrusters) may be earmarked for making specific types of moves.

Movement on the vehicle-scale may or may not require a Vehicle Piloting Check. All vehicles may move Straight Ahead or make a single 45 -degree turn per move action without requiring a Check provided their Engines aren't damaged. Moves that involve more advanced maneuvers (lateral movements, tighter turns or subsequent turning) will require at least one successful Vehicle Piloting Check; the final number of successful Checks required depends upon what maneuvers are being performed and whether or not the vehicle has any Engine Damage (the amount of Engine damage is subtracted from the DC of the Checks). If any Check fails during the course of movement, the vehicle may make whatever movements it successfully completed up to the point where the failure takes place, at which point it stops moving. Additionally, if the result of any Check is greater than the amount of Engine damage the vehicle has sustained, the Engines malfunction at that point; the vehicle may make whatever movements it successfully completed up to that point. Advanced maneuvers usually have a minimum Engine Class requirement; if the combatant does not fulfill this requirement, it cannot perform the maneuver (note that this automatically disqualifies some vehicles from performing certain moves). Vehicles with $100 \%$ Engine damage or malfunctioning Engines cannot move at all.

If a vehicle is carrying a total number of personnel (crew and passengers combined) greater than $120 \%$ of the normal amount allowed by its design, it is overcrowded and takes a -5 DC penalty on all piloting Checks for each whole multiple (rounded up) of its complement (for example, if a vehicle is
hauling between three and four times its normal complement, it takes a-15 DC penalty to its piloting Checks).

Vehicles may not be able to perform certain maneuvers simply because of the design of their chassis; the GM may choose whether or not to allow attempts at such "restricted maneuvers" at their discretion. If they allow such attempts, they should be made at half the normal DC (rounded down) and failures should be treated as critical results (as will be discussed shortly). The following is a list of specific movement restrictions based on chassis type:

| Vehicle Chassis Maneuver Restrictions |  |
| :---: | :---: |
| Chassis | Restrictions |
| Bike | The vehicle may only go forward or make forward slips. |
| Groundcar | The vehicle may not side-slip unless it is on frictionless terrain. |
| Skimmer | The vehicle has no movement restrictions. |
| Armored | The vehicle may not side-slip or back-slip. |
| Walker | The vehicle has no movement restrictions but must expend an extra movement point for each subsequent maneuver performed in the same move action. |
| Canoe | The vehicle may not side-slip unless it has no Engine. |
| Yacht | The vehicle may not side-slip. |
| Cutter | The vehicle may not side-slip or back-slip. |
| Cruiser | The vehicle may not side-slip or back-slip. |
| Carrier | The vehicle may not side-slip or back-slip and may only be moving forward when recovering child craft. |
| Submarine | The vehicle may not side-slip or back-slip. Submarines may submerge; while submerged the craft receives a +10 HD/FHD bonus and a -10 BHD penalty. |
| Hovercopter | The vehicle has no movement restrictions but is susceptible to involuntary motion in strong winds. |
| Aeroplane/Aerodrone | The vehicle may not side-slip or back-slip. An aeroplane or aerodrone's crew must use one of their actions to move a minimum of one range increment every combat turn; if the craft's pilot does not fulfill this requirement, they will automatically stall their vehicle and risk crashing (see Stalling, below). |
| Gravship | The vehicle has no movement restrictions. |
| Gravship | The vehicle has no movement restrictions. |
| Fightercraft | The vehicle moves as an aeroplane in atmosphere; it has no movement restrictions in space. |
| Capsule | The vehicle moves as an aeroplane in atmosphere but also cannot perform forward slips; it has no movement restrictions in space. |
| Shuttle | The vehicle moves as an aeroplane in atmosphere; it has no movement restrictions in space. |
| Transport | The vehicle moves as an aeroplane in atmosphere; it has no movement restrictions in space. |

Maneuvers take one movement point to perform apiece; the exception to this rule is the snap turn. Snap turns take no movement points to execute and can be a handy way for a skilled pilot to extend the capabilities of their vehicle. Naturally, snap turns require a greater number of successful Checks and require have a higher minimum Engine Class requirement.

Advanced maneuvers give a vehicle's pilot a bonus to their Combat Maneuvers and Evasive Maneuvers Skill scores that lasts until their next turn; these bonuses accumulate with each advanced maneuver performed during the course of the combatant's movement. If the combatant is targeted at any time up until its next turn, the total bonus applies. The price for this bonus is a (smaller) penalty to the Marksmanship and Ballistics Checks of all gunners riding in the vehicle, which applies through the vehicle's next two actions; fancy maneuvering makes a vehicle harder to hit but also makes it a little harder for its occupants to aim accurately.

The Vehicle Piloting Checks for movement have critical potential. In the event of any critical success, all Marksmanship and Ballistics penalties are nullified; the vehicle's pilot is able to pull off their maneuvers while allowing the gunners to maintain their aim/target locks). In the event of any critical failure, the vehicle may not move from its original location; the GM changes the vehicle's present
heading to a new, random one. Additionally, the vehicle takes d\% Engine damage; if the Engines had any level of damage in the first place, they are destroyed (100\% damage) instead.

| Vehicle Maneuvers |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Minimum Engine Class Required | Number of Successful Vehicle Piloting Checks Required | Combat Maneuvers/ Evasive Maneuvers DC Bonus | Marksmanship/ Ballistics DC Penalty | Description |
| Straight Ahead | First Class | 0 | 0 | 0 | Vehicle moves forward. |
| Forward Sideslip | Second Class | 2 | +1 | -1 | Vehicle moves diagonally forward and does not change orientation. |
| Sideways | Third Class | 3 | +2 | -2 | Vehicle moves left or right and does not change orientation. |
| Back Sideslip | Fourth Class | 4 | +1 | -1 | Vehicle moves diagonally backward and does not change orientation. |
| Straight Back | Third Class | 2 | +1 | 0 | Vehicle moves backward and does not change orientation. |
| 45-degree Turn | First Class | 0 | 0 | 0 | Vehicle turns 45-degrees left or right in place. |
| 45-degree Snap Turn | Sixth Class | 2 | +1 | -2 | Vehicle turns 45-degrees left or right in place. |
| 90-degree Turn | Third Class | 1 | +3 | -3 | Vehicle turns 90-degrees left or right in place. |
| 90-degree Snap Turn | Seventh Class | 4 | +4 | -4 | Vehicle turns 90-degrees left or right in place. |
| 135-degree Turn | Fourth Class | 2 | +5 | -5 | Vehicle turns 135-degrees left or right in place. |
| 135-degree Snap Turn | Eighth Class | 6 | +6 | -6 | Vehicle turns 135-degrees left or right in place. |
| 180-degree Turn | Fifth Class | 3 | +7 | -8 | Vehicle turns 180-degrees left or right in place. |
| 180-degree Snap Turn | Ninth Class | 8 | +8 | -10 | Vehicle turns 180-degrees left or right in place. |

There are several specific flight maneuvers mentioned at various points in Wing Commander's canon. GMs may emulate these maneuvers using combinations of the maneuvers listed in the table above, as follows:

- Burnout: Forward movement on afterburners followed by a 180-degree turn.
- Fish-Hook: A 90-degree turn followed by normal forward movement, followed by a 180 degree turn.
- Sit-n-spin (Full-Round): A 180-degree turn followed by an attack action, followed by a 180degree turn.
- Shelton slide: A 45-degree turn followed by forward movement on afterburners, followed by a 90 -degree snap turn.
- Immelmann: A 180-degree turn.

Characters may list any of these maneuvers as specializations of their Combat Maneuvers or Evasive Maneuvers Skill. If the attempt to perform the maneuver is successful, their corresponding Skill score changes to that of the specialization during the current combat round; this is in lieu of the standard bonus granted for performing the corresponding maneuvers. Any other maneuver may be emulated as the GM's sees fit.

NPC combatants move in relation to their present target based on a comparison of their SI to that of their current target. Should the target have a lower SI, the NPC combatant will move towards it and vice versa. NPC combatants will keep their movements limited to 45 -degree turns and forward movement as a general rule. Any of these rules may be overridden at the GM's discretion.

If combat is not being conducted on a grid, a move action simply changes the range rolled to the current target (note that for purposes of the alternative range determination system indicated in Chapter 9.1, it is the original rolled range that determines what die type will be rolled in the next round, not the final amount indicted after the combatant moves). In the event that a combatant's final range to target is sixteen range increments or greater, their SI should be compared with the opposing group's Composite Strength Index (CSI); if the combatant's SI is less than one-fourth of the opposing group's CSI, they may immediately withdraw from combat if they so choose.

## Combat in Asteroid Fields and Minefields

Space vehicles may occasionally have to fight in asteroid fields and minefields. This was in fact a staple of the original games; the extra terrain could be used to a pilot's advantage against an opponent or make their demise all the more inevitable. In WCRPG, a GM that would like to stage a combat situation in one of these areas may set locations of particularly dense clusters of asteroids/mines with the risk of a collision occurring if a craft attempts to fly near or through one of them; alternatively, they may assume a collision risk every time a craft moves in the area. Use of clusters is not recommended with non-gridded combat.

If there is the potential for a craft to collide with an asteroid or detonate a mine as the result of a move action, the craft's pilot must make an immediate Vehicle Piloting Check with the Size Class of their craft subtracted from the Check's DC. If the Check fails, a collision occurs. Mines will inflict an amount of damage equal to that of the Mk-I Porcupine mine. Asteroids will cause an amount of damage equal to ten times the result of ( $5+1 \mathrm{~d} 5$ ) times the craft's maximum speed during the round.

## Attack Action Rules

A vehicle's commander may decide to attack an opposing combatant during a combat round; perhaps unsurprisingly, this is an attack action and probably the most common type of action that occurs in combat. An attack action only requires the vehicle's magazines to be loaded or charged with enough energy for at least one weapons volley and the declaration of a valid target. NPC combatants will target the enemy combatant with the next lowest Initiative Check value or the enemy combatant with the overall highest Initiative Check value if no opponents with lower values exist; the GM may override this general rule at their discretion.

## Firing Weapons

Before any attempt to attack a target is made, it must be within range of at least one of the vehicle's offensive weaponry options, it must be within a firing arc that corresponds with that weapon and it must be ready to use. If these conditions are met by more than one weapon simultaneously, any number of them may be fired at the indicated target. Should a vehicle have multiple valid targets, it may fire at any number of them; the commander must specify what weapons will be fire at specific targets.

To be "in range", an attacker need only be as close to the target as the indicated number of range increments. Most forms of ordnance (weapons such as mines, missiles and torpedoes) have two range increments listed; the first of these is an optimal range value and the second is the normal
maximum range. There are penalties involved when firing ordnance outside of optimal range as will be discussed momentarily.

Vehicles in WCRPG use a system of relative bearings to determine if a target is within a particular weapon's firing arc; GMs may either use specific bearing data or override that information and simply say a weapon may fire into the corresponding major firing arc. In addition to their firing arcs, all vehicles have four defense arcs corresponding to the Shields and Armor that cover specific quarters (namely the fore, aft, left and right quarters). The four defense arcs correspond to the major firing arcs; when combined with their corresponding defense arcs, these are sometimes referred to as combat arcs. As is probably obvious from the bearing information on these arcs, the boundaries of a given combat arc are always set diagonal to the front of the vehicle and perpendicular to one another such that when dealing with a physical grid the arc boundaries are along the grid's diagonals when the vehicle is on an orthogonal heading and vice versa.

To determine if a combatant is within a given firing arc, the GM can draw or visualize a straight line between the attacker and its target. They may then either determine the exact bearing angle if a physical grid is being used or simply put a best guess at it if an abstract grid is being used. Any weapon that falls into any pre-designated arc corresponding to the determined bearing angle may be utilized. In a similar manner, the defense arc that will sustain any damage inflicted upon the vehicle can be determined by determining the bearing angle to the attacker. Most of the time, determining what arcs will be involved in the current attack action will be fairly straightforward. It may happen, though, that either the firing vehicle or the target will be "straddling" the boundaries between two combat arcs. In this case, the GM should give preference to either the forward or aft firing arc, whichever one is involved. An attacker may attack a target if another combatant (friendly or not) is in the way.

All weapons hardpoints to be utilized must be charged prior to firing. A gunner may fire as many of the available hardpoints as they wish; they do not have to fire all hardpoints at once unless specifically ordered to do so by the vehicle's commander. Some pieces of ordnance also require that a target be locked before they can be fired at an opponent. Locking simply requires that the target be kept in the weapon's firing arc for the prescribed number of rounds. Locking is automatic (no Check is required) unless the firing craft has Sensor damage; in that case, a successful Technology Check is required to maintain a lock during the course of a round.

If the conditions for firing a weapon are all fulfilled and an attack is allowed, a final "to hit" number must be determined; this is referred to as the effective hit difficulty (EHD). EHD is determined through a series of quick calculations. This begins by subtracting the score of the Combat Maneuvers Skill of the attacking craff's gunnery specialist from the score of the Evasive Maneuvers Skill of the target craff's pilot; this represents any low-level sparring going on between the two combatants (remember that during a surprise round the Evasive Maneuvers Skill of the target is ignored). The difference is subtracted from the target's applicable HD rating; this is its BHD if a blast weapon is being utilized, its FHD if they are surprised and its normal HD in all other cases. Specializations of the indicated Skills may be used if applicable. Effects from any onboard equipment (such as an active cloaking device) modify EHD as well. Finally, two points per range increment are subtracted from the target's effective HD (for firing craft equipped with the Tachyon Radar accessory this range penalty is reduced to one point per range increment). If the weapon to be fired is a piece of ordnance and the attacker is outside its optimal range, the range penalty is increased to five points per range increment regardless of whether Tachyon Radar is installed or not.

For example, a Vaktoth is attempting to fire a Heat-Seeking Missile at a Hellcat-V, which has an HD of 27. The two ships are four range increments apart from one another and (like all Fightercraft) the Vaktoth is equipped with Tachyon Radar. The Vaktoth pilot has a Combat Maneuvers specialization in "Confederation Medium Fighters", with a combined Skill and specialization score of 70. The Hellcat

Pilot has an Evasive Maneuvers specialization in "Kilrathi Heavy Fighters"; the combined Skill and specialization score is 47 . In this case, 23 points would be added to the Hellcat's HD, so its effective HD becomes $50(47-70=-23 ; 27--23=50$ ). After adjusting for range, the final EHD is 46 .

Once the effective HD is determined, the attacking combatant's gunnery specialist will perform an attack roll; this is a Skill Check that depends on the weapon being used. If Guns are being used, the attack roll is a Marksmanship Check. If Ordnance is being used, the attack roll is a Ballistics Check. The number of Checks that must be performed equal the specific number of weapons being fired (i.e. if a vehicle is firing two Mass Drivers, the gunner will need to make two Marksmanship Checks). To be fully successful, the result of the Check must be equal to or lower than the target's EHD and must be sufficient for a successful Check of the indicated Skill. If the result of the roll is insufficient to overcome the EHD the attack fails regardless of whether or not the Skill Check succeeds. If the result of the Check is insufficient for a successful Skill Check but is sufficient against the target's EHD, a single hit with the weapon will be scored and will inflict the amount of damage indicated by the weapon type. How the damage affects the target will depend on how much damage is inflicted and in which of the target's defense arcs the weapon hits (see Resolving Damage, below). If the Check is fully successful, there is the possibility that the weapon will hit the target more than once; if the weapon fired has a re-fire rate greater than one, the target will sustain one additional hit for every five points in the degree of success of the Skill Check up to the maximum amount of shots that the weapon can fire in a single round.

Player groups may feel that the weapons installed aboard craft from the WC3 era (roughly 2669) and later do not inflict significant amounts of damage quickly enough for good role-playing; the statistics indicated for these craft are correct based upon all available data. If they so choose, GMs may multiply any damage inflicted by these craft; a general multiplier of between five and ten times is recommended.

Attack rolls have critical potential. In the event of a critical success of the Skill Check (a critical hit), a hit occurs whether or not the roll succeeded against the EHD. Should the Check be fully successful in this case, the weapon inflicts double the full amount of damage for all applicable hits regardless of range. In addition to the extra damage points, one system takes damage regardless of the condition of the vehicle's defenses. The GM must roll to determine which system is affected as normal (see Resolving Damage, below) and roll d\% for the amount of damage inflicted on the system (with 00 counting as 100 in this case).

In the event of a critical failure (a critical miss), what happens depends on the specific result. On any result other than 99, the weapon malfunctions; it causes half-damage to the firing craft and is rendered unusable, though it may be repaired as with any other system malfunction. The resultant damage is applied as armor damage against all defense arcs; if there is insufficient armor in a defense arc, the damage is passed on as systems damage as normal. If the result is a 99 , the weapon fires but inadvertently hits a friendly target by mistake; such "blue-on-blue" incidents can be quite costly. Another Check is made against the friendly combatant's HD. If this Check is successful, double the normal full amount of damage is applied to the friendly target; the normal amount of damage is applied otherwise. Any critical results on this subsequent Check are ignored. The friendly combatant affected is the friendly craft with the next lowest Initiative Check value, or (if no such craft exists) the friendly craft with the highest Initiative Check value. If there are no other friendly craft available, the attacker hits itself with its own weapon. A critical miss result automatically overrides any hit result that may have otherwise been indicated.

If the weapon used is a piece of light ordnance, there is a chance that the target may still avoid damage even if a hit is otherwise indicated by spoofing it. To make a spoof attempt, the attacking craft must have failed its Ballistics Check while succeeding against the target's EHD, the target must have at least one Countermeasure Pod available and the type of ordnance involved must have a
"spoof DC" indicated in its description; if any one of these conditions is not fulfilled, the ordnance cannot be spoofed. The target must use at least one Countermeasure Pod but may use a number of Countermeasure Pods equal to or less than the range between it and its attacker. A d\% roll is made for the spoof attempt; if the result is less than or equal to the adjusted spoof DC, the ordnance is spoofed and counts as a miss. Spoof attempts are not allowed on critical hit results.

For example, let's say the result of the Vaktoth's Ballistics Check was 24, a failed Check but definitely successful against the Hellcat's EHD and therefore a hit. The Hellcat pilot must spoof the missile or take 3,200 points of damage (which would definitely hurt). They have Countermeasure Pods and can launch up to four of them; the pilot decides to play it conservative and launch just two pods. A Standard Heat Seeker has a spoof DC of 50; the second Countermeasure Pod increases that DC to 55. The Hellcat pilot rolls; unfortunately, the result is 92. The spoof attempt fails and their fighter takes the missile hit.

Heavy Ordnance, which includes weapons such as torpedoes and capship missiles, is handled somewhat differently from other forms of weaponry. Except where noted, all pieces of heavy ordnance behave as vehicles in their own right; since they are almost always used on capital ships, their usage is considered a form of mixed-scale combat.

## Resolving Damage

As previously mentioned, vehicles have four defense arcs; these are concurrent with the major firing arcs. Each defense arc has its own SHP and AHP count; damage to one arc does not affect either count in another arc. Vehicles initially receive the full indicated amount of SHP and AHP in all defense arcs based upon their design; for purposes of calculating changes to their SI in combat, the arc with the lowest overall count is used.

Upon taking a successful weapons hit, a target will take damage in the defense arc corresponding to the relative bearing to the attacking craft; damage involves a reduction of the vehicle's SHP, AHP, and/or systems damage if it is severe enough. A vehicle will always suffer shield damage first provided that it has shields installed and that they are functioning at the time of the hit. For every point of damage inflicted, one point is subtracted from the corresponding defense arc's shield hit points. If the shield hit points are reduced to zero and there additional damage is indicated, it is applied against the arc's armor hit points in the same manner. Points subtracted from Shields and Armor are also subtracted from the vehicle's strength index, which in turn lowers the composite strength index of the vehicle's combat group. SI is only adjusted for the combat arc with the lowest combined amount of SHP and AHP; should a vehicle have sustained a lesser amount of damage in a different combat arc, SI is not adjusted.

If in atmosphere, the pilot of any vehicle that takes a weapon hit must immediately make a Vehicle Piloting Check with an amount equal to one-tenth (round up) the amount of damage inflicted subtracted from the DC. If this Check fails, the vehicle may not perform any move actions on subsequent turns, though its pilot may make another attempt of the Check at the same DC. Should the vehicle take additional damage in the meantime, the DC of the Check is decreased again by one-tenth the amount of new damage (round up). Note that for air vehicles and space vehicles in atmosphere), failure of this Check will initiate a Stall. This Check has critical potential: in the event of a critical success, the vehicle may begin moving normally once again regardless of the actual DC; any Stall penalties are immediately canceled. In the event of a critical failure, the vehicle takes $\mathrm{d} \%$ damage to a random system in addition to not being allowed to move. Additionally, all land vehicles are rolled; sea vehicles are capsized and begin Taking On Water at twice the normal rate. Both capsizing and rolling inflict $\mathrm{d} \%$ Core Damage on the vehicle and render it completely immobile for the remainder of the current combat action. If a Bike or Canoe is hit, any occupants must make a

Reflex Save to avoid being thrown from the vehicle; this should be treated as an auto-ejection in the event of failure.

If a vehicle's Armor Hit Points are reduced to zero in a defense arc, any further damage is applied as Core Damage. Unlike Shields and Armor, there are no individual defense arcs for Core Damage; at that point the damage is eating into the very heart of the craft. Vehicles sustain Core Damage at a rate determined by their Size Class. To determine how much Core Damage a craft has sustained, the GM must take the amount of applicable excess damage, divide it by the craft's Size Class and truncate any remainder. If the vehicle in question is a Bike, Canoe, Submarine, Hovercopter or Capsule, they must double the indicated amount. The final result is the amount of Core Damage the craft sustains. Vehicles sustain Core Damage in terms of a percentage, with the craft being completely destroyed once Core Damage reaches 100\% (though it may break apart sooner as will be discussed shortly). If a vehicle is in space or is a submerged submarine, its destruction will automatically kill any remaining occupants. If the vehicle's destruction occurs in atmosphere, all remaining occupants will be blown from the vehicle, taking 10d10 points of Lethal Damage in the process. Any non-occupant at Range Zero will also take 10d5 Basic Damage from flying debris; Reflex Saves may be made in an attempt to halve the damage indicated. Any character that survives being blown from a vehicle is immediately subjected to the environment in which the vehicle was located at the time of its destruction and may be susceptible to falling damage.

Some types of vehicles can sustain additional Core Damage even if they have AHP remaining in the affected defense arc. Specifically, any vehicle that does not employ an Engine, any vehicle that is hit by a weapon of a higher technological level and all Bikes and Canoes will sustain additional Core Damage. Additional Core Damage only occurs if the vehicle sustains armor damage but not so much that the affected defense arc is reduced to zero AHP. The amount of any additional Core Damage is always one-tenth the total amount inflicted on the vehicle's Armor (rounded down). For example, if a Bike sustains 100 points of damage to its Armor, it will take 10\% Core Damage as well.

A vehicle with Core Damage has structural fatigue and is in serious danger of coming apart at its seams. When a vehicle sustains Core Damage, a Structural Integrity Check must be performed; the DC of this Check is 100 minus the total amount of Core Damage. If the Check fails, the vehicle breaks up; it is considered destroyed at that point with the same penalties as if it had sustained $100 \%$ Core Damage.

Core Damage can have other effects depending upon the terrain category (land, sea, air or space). No additional effects occur in space combat. In the air, Core Damage reduces the vehicle's number of movement points by one point per $10 \%$ damage. Should an airborne vehicle's movement fall to zero, an irrecoverable Stall results. Sea vehicles with Core Damage begin Taking On Water at one point per 10\% damage per combat round. Land vehicles become harder to steer; an amount equal to the amount of Core Damage the vehicle has sustained is subtracted from the DC of all Vehicle Piloting Checks for land vehicles.

Provided a craft survives its Structural Integrity Check, excess damage may also inflict systems damage upon it, reducing one or more of its capabilities; injuries to crewmembers (including PCs) are considered part of systems damage. For every 5\% of Core Damage it sustains, the craft is inflicted with one instance of systems damage. When an instance of systems damage is indicated, 1 d 10 is rolled; the result determines which system takes the damage:

0: Shields - Shield damage affects the craft's shield emitters. If the Shields malfunction, they will no longer regenerate. Shield damage has no effect on a craff's current or maximum SHP, only its recharge rate.
1: Guns - Gun damage determines whether or not the vehicle can fire any Gun weaponry. If the vehicle has no Guns, it cannot take Gun Damage. Malfunctioning Guns cannot fire.

2: Ordnance - Ordnance damage is the same as Gun Damage except in regards to ordnance (missiles, mines, torpedoes, etc.). If a specific ordnance mount on the craft is destroyed, it immediately sustains an additional amount of excess damage equal to the damage potential of the ordnance in question due to its detonation.
3: Radar - Radar damage affects how well a combatant can track its target. Malfunctioning radar systems give a - 25 HD bonus to any combatant the craft fires upon; the craft also may not launch any ordnance that requires a lock.
4: Communications - Communications damage limits how well a craft may communicate with other combatants. If its communications system malfunctions, a craft may not hail other craft, cannot send distress signals and cannot jam enemy transmissions. Further, if the craft attempts to use Friend-or-Foe Missiles, an automatic critical miss will occur; the craft will sustain damage from its own weaponry.
5: Engines - Engine damage affects how well a vehicle can maneuver. If a craff's Engines are damaged, the amount of damage is subtracted from the DC of any move action Checks. Should the engines malfunction, the craft cannot move; its pilot cannot apply their Combat Maneuvers or Evasive Maneuvers Skills prior to any attack rolls made by or against the craft.
6: Ejection System/Flight Deck - This roll indicates that either the craff's ejection system or its flight deck has been damaged; while it is conceivable that a craft could have both, most vehicles will not (the GM may select which specific system is affected in the event that both are installed). Damage to the ejection system puts survival in doubt in the event that the craft's crew must bail out; ejection is not possible at all if the ejection system malfunctions. Damage to the flight deck can be very serious and may even ultimately prove fatal should the parent craft either not have any child craft deployed or have a large number of those craft low on fuel and armament at the time the damage occurs. Each point of damage to the flight deck increases the time required to turn around child craft (either launch or land) by one round. Flight operations are not possible at all on a "malfunctioning" flight deck.
7: Crew Damage - This roll indicates that one or more of the craft's "redshirt" NPC specialists has been injured or killed. If there are no "mission critical" NPCs aboard the craft, the GM must roll $1 \mathrm{~d} \%$; they must halve the result (round up) if the craft offers full cover and double it if it offers no cover. The result determines the number of redshirts that die instantly. If there are mission critical NPCs aboard (a commanding general, a politician, the rival crime boss's kid, etc.), the GM must select a player to roll 1 d 10 for the involved character(s) while they roll 1 d10 for non-critical NPCs; the lowest throw takes the damage. The amount of damage an NPC can absorb depends on the amount of cover the craft offers. Mission critical NPCs take damage like PCs (see Officer Damage, below) while non-critical NPCs take damage as indicated above. This kind of damage never applies to PCs; if there are no NPCs aboard, treat this roll as Officer Damage.
8: Officer Damage - This roll indicates that one of the craft's PC crewmembers or NPC officers has taken Lethal Damage. To determine which character sustains damage, all players with characters currently aboard the affected craft roll 1d10. For any NPC officers, the GM may either perform the roll themselves or assign one of the players to perform it. Lowest throw takes the damage; in the event of a tie for low throw, the affected players must re-roll until there is a clear result. The amount of damage the affected character sustains depends on the amount of cover the vehicle provides. The affected player rolls $\mathrm{d} \%$; they must halve the result (round up ) if the vehicle offers full cover and double it if it provides no cover. The final result is the amount of Lethal Damage the character sustains; this damage is always assumed to have affected their non-lethal Body Area. If a crewmember is killed, the craft's commander may pick any crewmember (including themselves) to assume their duties. Any character that sustains damage in this manner automatically becomes Shaken unless they are the craft's commander.
9: Life-Support System - Spacecraft as well as some other types of vehicles (usually ones such as submarines that operate in hazardous or exotic environments) may be equipped with an internal life-support system designed to keep its occupants alive for extended periods. LifeSupport system damage renders parts of the craft temporarily uninhabitable due to lack of
heat, oxygen and/or gravity or the loss of the ability to protect the craff's occupants from the exterior environment. A malfunction of this system is not instantaneously fatal but unless swift action is taken in an attempt to restore the system, death for all of the craft's occupants is inevitable. Life-Support System failure has a number of ongoing environmental effects.

Every instance of systems damage inflicts $25 \%$ damage to the affected system or one Wound to the affected character. A Damage Contro/ Check may be performed in an attempt to mitigate the damage; the degree of success of the Check divided by ten (rounded down) is subtracted from the percentage of systems damage inflicted on the craft (i.e. a degree of success of 36 would reduce the amount of systems damage by $3 \%$ ).

If a system has been damaged, there is the chance that it may malfunction whenever the afflicted craft attempts to utilize it. To determine if a malfunction occurs, a mechanical specialist aboard the craft must perform a Damage Control Check; the DC of the Check in this case is 100 plus the applicable mechanic's Damage Contro/ Skill score minus the total amount of damage the system has sustained. If the Check fails, the system malfunctions; any penalties that occur as the result of a malfunction take effect immediately. Sensors, Communications and Life-Support should be checked at the beginning of the craft's turn, Engines when it attempts a move action, the Flight Deck whenever an auxiliary craft attempts to launch or land, the Ejection System when the crew attempts to eject, any weapons systems when it attempts an attack action, and Shields when it attempts to recharge Shields. The Damage Contro/ Check has critical potential: in the event of critical success, $5 \%$ damage is immediately removed from the system. In the event of a critical failure, the system malfunctions and takes an additional d\% of damage up to the $100 \%$ damage maximum. Once a system has malfunctioned, it will remain non-operational until it can be repaired unless a mechanic can jury-rig it. A system is destroyed once it has sustained $100 \%$ damage, at which point a malfunction is automatic.

If a system is indicated to sustain further damage after it's already been destroyed or if the system does not exist on the craft in the first place, the craft takes additional Core Damage. This starts at $10 \%$ the first time one of these excessive damage hits occur and increases by $10 \%$ for each subsequent occurrence ( $20 \%$ for the second time, $30 \%$ for the third time and $40 \%$ for the fourth time; since Core Damage is cumulative, the craft should be at 100\% Core Damage when a fourth instance of excessive damage occurs). Excessive damage hits are cumulative; if a system has sustained two excessive hits during a round and sustains damage again on a subsequent round, it counts as the third excessive hit. Core Damage taken through excessive damage hits does not prompt another Structural Integrity Check but the vehicle may still explode if it reaches $100 \%$ Core Damage in this manner.

Any time a craft takes Core Damage and survives its Structural Integrity Check, all crewmembers (except the Commander) must perform a Willpower Save; any specialist that fails this Check becomes Shaken.

The following is an example of how damage is applied. The enemy Vaktoth mentioned has hit the Hellcat-V with a Standard Heat-Seeking Missile, which (owing to an 8x multiplier the GM is utilizing for post-WC2 craff) sustains 3,200 points of damage in its portside damage arc as a result. The Hellcat has 2,200 SHP and 900 AHP in each arc. Damage is applied to Shields first: since the Hellcat only has 2,200 SHP, sufficient damage occurs to deplete the shields and pass 1,000 points of damage to Armor (3,200-2,200 = 1,000). The Hellcat only has 900 AHP, so the damage is also sufficient to deplete the armor in the portside defense arc and cause 100 points of excess damage (1,000-900 = 100). The Hellcat's S/ drops by 3,100 points to 88; note that while the forward, aft and starboard damage arcs still have full shields and armor, it's the lowest count - currently the portside arc - that affects SI. A Hellcat is a Size Class 10 Vehicle, so it will sustain 10\% Core Damage. Since the vehicle is not in atmosphere, no Vehicle Piloting Check is required. Also, since the Hellcat has
taken enough damage to breach its Armor, it need not worry about sustaining additional Core Damage; it doesn't fit any of the criteria for sustaining such damage anyway.

Since the vehicle sustained Core Damage, a Structural Integrity Check with a DC of 90 (100-10= 90) must be made to prevent the Hellcat from breaking up due to structural fatigue; the Check succeeds, so the Hellcat doesn't explode right away. d\% is then rolled for an acquired flaw; the result is 55, indicating an overheating Engine. This causes no immediate damage but will force the pilot to slow down in subsequent rounds if they wish to avoid Engine damage.

Since a total of $10 \%$ Core damage has been sustained, two rolls will need to be made on the systems damage table. The results of the rolls are $O$ and 7. The Hellcat's Shields sustain an immediate 25\% damage; the pilot's Damage Control Check fails so none of the damage is mitigates. The roll of 7 indicates Crew Damage but since the Hellcat is a one-man craft, the pilot automatically sustains it. $d \%$ is cast; the result is 54 , which is reduced to 27 since a Hellcat offers full cover, so the pilot sustains one Body Area wound and 27 points of Lethal Damage. Ordinarily the pilot would become Shaken after being injured and would have to make a Willpower Save to avoid being Shaken after his craft sustained Core Damage but as he also counts as the vehicle's commander, he will not acquire the Shaken condition in either case. His subsequent Fortitude Save to avoid passing out is also successful.

While things could be better for the Hellcat - it now lacks any protection on its portside, its pilot is wounded and it has some Core Damage - things could still be a whole lot worse. Let's all hope the Hellcat's wingman is worth his salt...

## Miscellaneous Terms and Definitions

Shaken: A Shaken specialist has had a traumatic, frightening experience, psychologically stunning them and making them ineffective. A Shaken specialist will not follow any orders given to them by their commander; any attempt to make them do so wastes the action. While Shaken, a specialist is at a -30 penalty to all Checks except Saves. A Shaken specialist can "snap out of it" with a successful Willpower Save.

Undermanned Penalty: A vehicle that has less than 90\% of its crew requirement aboard is considered undermanned and takes an Undermanned Penalty. Vehicles that are suffering from an Undermanned Penalty must succeed at every Check it requires twice in a row for as long as it remains undermanned.

Opportunity Attack: An Opportunity Attack usually occurs in special situations wherein an opposing combatant is about to do something particularly nasty to its target; it allows the target to make a single strike at its oncoming attacker. Opportunity Attacks are free actions conducted by the target during its attacker's turn. The target must itself target the attacking combatant but is otherwise free do whatever they wish within the bounds of a standard attack action. Any weapon utilized during an Opportunity Attack is considered discharged should the target's turn be later in the order of battle.

Stalling: Stalling is a process where for whatever reason an airborne vehicle cannot generate enough lift to stay airborne. When a vehicle Stalls, it is up to its pilot to pull it out of the Stall before it slams into the ground. The rate at which a craft falls out of the sky is measured as a count, which itself is dependent upon the planet's gravity; round the gravitational amount to the nearest integer and add that amount to the vehicle's Stall count at the end of its turn. Hovercopters and capsules fall at twice the indicated rate while gravships, transports and capital ships will fall at four times the indicated rate. To determine at what value the craft will slam into the ground, the GM will make a $\mathrm{d} \%$ roll when the Stall is initiated, keeping the result secret; when the Stall count equals or exceeds the result of this
roll, the vehicle crashes into the ground and is considered destroyed (note that if the GM throws low, there may not be any opportunity for the pilot to pull the vehicle out of the Stall). The method for getting out of a Stall depends upon how it was initiated; if the vehicle stalled through Core Damage, the Stall is irrecoverable. If the Engine malfunctioned, it must be restored before the vehicle may come out of the Stall. Making a subsequent Vehicle Piloting Check will cancel a Stall after a failure while simply moving forward will suffice if the craft doesn't fulfill any minimal movement requirement during the course of a round. If the pilot can get the vehicle out of the Stall, the count will reset itself back to zero; Stall counts do not carry over to any subsequent Stalls.

Taking On Water: Taking On Water is a process wherein a sea vehicle begins sinking. The rate at which a sea vehicle takes on water is measured as a count; for every $10 \%$ Core Damage it accumulates, the count increases by one at the end of the craft's turn. Capsized ships and all submarines double the indicated rate; a capsized sub takes on water at four times the indicated rate. When the count exceeds the vehicle's Size Class, the vehicle sinks and is considered destroyed at that point. Each point of the count adds a -5 DC penalty to all Vehicle Piloting Checks the craft's pilot performs. Taking On Water can be countered by a successful Internal Systems Check; if the Check is successful, the vehicle stops Taking On Water and the count begins to drop by one per combat round until it reaches zero or until the vehicle sustains further Core Damage (at which point it will start to increase again).

## Capital Ship-scale Combat

The largest of the combat scales in WCRPG is the capital ship-scale. As one might expect, capital ships fight on this scale, though many space vehicles (particularly fightercraft and transports) may also conduct combat actions on this scale of combat.

## Range

Unlike the other two scales of combat, opportunities for cross-scale combat involving the capital shipscale are far and few between; the few capital ships that may enter atmosphere are considered air vehicles in that environment and the few vehicles that can seriously challenge a capital ship in space will often use the capital ship-scale, not the vehicle-scale. Because of this, the range increment for the capital ship-scale is somewhat more ambiguous. Officially, capital ships use a range increment of one megameter ( 1,000 kilometers); GMs can decrease this if necessary (if the plot deals with a nascent starfaring culture, etc.). As with the other combat scales, combatants on the capital ship-scale may withdraw from combat if they are greater than fifteen range increments from all hostile combatants.

## Capital Ship-scale Actions

A capital ship may perform two standard actions or one full-round action per round as well as any number of free actions. As with vehicles, a capital ship's actions are dependent upon its crew for their execution; while other crewmembers may make suggestions, it is ultimately the ship's captain that decides what it will do. The crewmember that ultimately performs any ordered action will be the one that is most appropriate to the situation (firing weapons would be done by a gunner, hailing other craft is done by the ship's chief communications officer, etc.).

## Give/Belay Orders

A ship's captain may choose to give orders during a round of combat; this is a free action. They may also choose to belay any outstanding orders given in previous rounds; this is a standard action. If giving orders, the captain must declare a target crewmember, give a specific order to that crewmember, declare a specific target of the target if necessary and declare when they would like the order to be carried out if necessary. If belaying orders, the captain need only talk to the crewmember performing the action; if that crewmember is carrying out more than one order, the captain will need to indicate which of them to belay. A captain may not belay an order that has already been carried out. Giving and belaying orders is an automatic action that requires no Skill Check though Shaken crewmembers must Rallied before the captain may issue them any orders.

## Rally

A captain may choose to rally Shaken crewmembers; this is a standard action. This action requires the captain to make a successful Leadership Check; the result of the Check must also succeed against the target's Willpower Save. If successful, the affected crewmember is no longer Shaken; any associated penalties end immediately. A captain may attempt to rally multiple crewmembers simultaneously. The Leadership Check has critical potential; in the event of a critical success, the crewmember(s) will no longer be Shaken regardless of whether or not the specific result would have been sufficient for a successful Check and immediately experience the same benefits as a successful Inspire action (see below).

## Inspire

A captain may choose to try to inspire confidence in a non-Shaken crewmember; this is a standard action. This action requires the captain to make a successful Inspire Check; the result of the Check must also succeed against the target's Willpower Save. If successful, the affected crewmember will not become Shaken if otherwise indicated to do so for a number of rounds equal to the degree of success divided by ten (round up). Further, during that time, that crewmember may add the same amount to the DC of all die rolls they perform. A captain may only attempt to Inspire one crewmember at a time.

## Ready

Crewmembers can be ordered to ready an action for later use; this is similar to how actions are readied on the character- and vehicle-scales (i.e. the crewmember prepares an action to perform in the event that some condition takes place between the time they ready the action and the ship's next turn). If the conditions for the action's activation are fulfilled, the crewmember performs the readied action at once; this delays any action the current combatant may be taking until the readied action is resolved. If the readied action is executed, the ship involved loses one of its action phases during the next round; it may lose its entire turn if two readied standard actions or a single full-round readied action is executed. Readied actions are only good for one round; if the conditions needed for their execution do not come about before the ship's next turn, the captain must either order the crewmember to renew the ready action or declare a different action.

## Standby

A ship's captain may to order the crew to stand-by as a standard action. By doing so, they declare that the ship will do nothing during the course of that action phase; game-play proceeds to the ship's next action phase or to the next combatant's first action phase as applicable. There will probably be few occasions in combat where a captain decides to just sit back and watch but sometimes it may simply be necessary...

## Use Skill or Ability

A captain may order a crewmember to use any one of their natural abilities or make Skill Checks as a standard action during a combat round; the captain simply declares which ability/Skill the crewmember is to use and a target if appropriate. This is a general "catch-all" action that may be used for any purpose not explicitly mentioned elsewhere.

## Speak

Any member of a ship's crew may choose to speak to any other crewmember during a combat phase; this is a free action. Combatants may speak to one another at any time for any reason, though what they might want to speak about is totally up to the players and the GM. It is important that communicator and receiver speak the same language, to make sure all messages sent between them are understood clearly; this is particularly important when insulting an opponent. A Trans/ate Check is required when communicating parties do not speak the same language; failure of the Check prevents them from speaking meaningfully to one another.

## Abandon Ship

A ship's captain can order the crew to abandon ship; this is a special action that may be initiated as a standard action but takes a number of rounds to complete. Usually this order is only given if the ship becomes critically damaged with little hope of recovery and the lives of the crew would be placed in greater danger by remaining aboard. Once an order to abandon ship is given, it cannot be belayed. Crewmembers launch from emergency escape vehicles (EEVs) in order to get away from their vessel; each EEV carries one crewmember. 1d\% EEV are launched each round until all crewmembers have left the ship or all pods have been expended. Once launched, they can be targeted by enemy combatants for one round using the same statistics as Heavy Ordnance. The ship may continue combat operations (eventually taking an undermanned penalty) until enough EEVs have been launched that only the ship's PC officers are left aboard; they may do as they wish from there.

## Scutt/e

A captain may give the order for their ship to be scuttled during a combat phase; this is a special action. The order to scuttle a ship is usually given in situations wherein its capture by hostile forces is both imminent and likely. At least two other senior officers must concur with the order; if not, the order is automatically belayed and all crewmembers become Shaken. Scuttling is a standard action; the amount of time required before it takes effect is set by the ship's captain and it may be belayed at any point prior to that time. Once the scuttle order has been given, the countdown to self-destruct begins immediately; the captain has the option of declaring a subsequent Abandon Ship action or forcing the crew to stay aboard until the ship scuttles itself. If the latter option is selected, the entire crew becomes Shaken and Leadership Checks must be made every round to prevent the crew from jumping ship. Once the allotted time has elapsed, a d\% roll is made; if the result is greater than or equal to the amount of Core Damage the ship has sustained, it will instantly explode. Otherwise, the
scuttle action fails; the computer will retain the order to self-destruct and carry it out once it has regained sufficient functionality (this very situation arises in the novel False Colors). Sufficient functionality is regained when the ship's Core Damage drops to a value less than or equal to the $d \%$ roll for scuttling.

## Change Alert Status

A captain may change the alert status of their ship during a combat round; this is a standard action. There are three alert statuses aboard capital ships. The lowest alert level is Condition Three, the normal peacetime operating state out of spacedock. Except for any navigational screens, the ship's Shields are lowered and its weapons are disarmed. Condition Two (also known as Yellow Alert) is the next highest alert status. In addition to bringing extra off-duty personnel on duty, the ship's Shields are set to full outboard active while its weapons systems remain disarmed. Condition One (also known as Red Alert, Battle Stations or Action Stations) is the highest alert status on a capital ship. All crewmembers are at their duty stations, the Shields are raised and the weapons are armed. If a change in alert status causes the ship's weapons to be armed or Shields to be raised, one point of fuel is spent; all weapons are immediately considered charged. Lowering shields and/or disarming weapons has no fuel cost. For most combat situations, the ship will probably want to stay at Condition One.

## Launch/Retrieve Small Craft

If a ship carries any child craft, its captain may order the launch or retrieval of that craft; this is a special action that may take a number of rounds to complete. The parent capital ship may launch one craft every five rounds (minimum) per Carrier Systems Module installed (i.e. a ship with two Carrier Systems Modules installed could launch two child craft at once, wait five rounds, launch another two craft and so forth). The ship may only retrieve one child craft at a time per Carrier Systems Module installed, again waiting a minimum five rounds between retrievals. Launched child craft enter combat at Range Zero from the parent ship. Launching child craft into combat introduces new combatants and may change the scale of battle from capital ship-scale to mixed-scale.

## Jink

A ship's captain may order its pilot to begin "jinking" during a combat round; this is a move action. Jinking gives the ship a -10 circumstantial HD bonus but inflicts a -10 circumstantial DC penalty to all Marksmanship and Ballistics Checks made to fire the ship's weapons as well as a -1 penalty to its movement for one full round. Jinking must be the first declared action of a ship's combat round; it cannot be the second.

## Ram

A ship's captain may order its pilot to ram an enemy combatant during a combat round; this is a special combined move and attack action. To ram another combatant, a ship must move directly towards the target and must be able to reach Range Zero. The ram attempt provokes an Opportunity Attack from the opposing ship, at a +10 HD penalty to the ramming ship. Once at Range Zero, the ramming ship's pilot makes a Starship Piloting Check at a +10 circumstantial DC bonus as an attack roll. The Check must also succeed against the target's EHD as like a normal attack action (see below). If the attempt succeeds, the GM must roll xd10x10 where x is the Size Class of the smaller of the two combatants and apply the result as damage to both ships. The ramming ship may not make any further movement actions that round.

If a ship is within Range Zero of another combatant at the beginning of its turn, its captain may order its pilot to attempt to dock with it; this is a move action that can be used to transfer personnel, transfer cargo or for boarding actions. The Pilot must simply succeed at a Starship Piloting Check if the target is "willing" to dock; the target's HD is subtracted from the result of the Check otherwise. If the Check fails, a second Starship Piloting Check is needed to avoid a collision (standard ramming damage applies in the event of failure). If the first Check succeeds, the ship successfully docks with the other combatant. If attempting to dock with an active, hostile combatant, this action provokes an Opportunity Attack.

## Manipulate Object

A ship's captain may order a crewmember to move or manipulate any object exterior to the ship during a combat round; this is a move action and requires the ship to be equipped with such devices as grappling arms, tow cables or tractor beams. This action may be used to pick up items including cargo previously jettisoned by another combatant; such items may be placed in the ship's cargo hold if it has sufficient available space. This action may also be used to manipulate an object without picking it up. If there are multiple items in the ship's vicinity that can be manipulated, the captain must specify which item they wish to affect. Manipulation of objects can have various effects; sometimes these effects can end a combat action immediately (such as what happens when an item is rigged to explode when it is handled).

## Target

A ship's captain may order a gunner to target a specific area on an enemy combatant (such as a phase shield projector or the target's bridge); this is a standard action. To target a specific area of an enemy combatant, the gunner must perform a Targeting Check; the result of this Check must not only be sufficient for a success but must also succeed against target's HD after adjusting for range ( -1 per range increment); note that this is always against the target's HD rating. If successful, any subsequent damage inflicted by weapons fired by the gunner will automatically inflict systems damage to the specific system targeted. The amount of systems damage inflicted depends upon whether or not the combatant's defenses are still functioning prior before damage is resolved; if the target has Shields still up, the total amount of damage is divided by one hundred and applied as systems damage (round down). If the shields are down but there is still Armor, the damage is divided by ten instead. If all defenses are gone, the system takes the full brunt of the damage. Each point of damage inflicted on the system in this manner counts as $1 \%$ damage and a subsequent check for malfunction is required. A system may not sustain more than $100 \%$ damage in this manner; if the system reaches $100 \%$ damage, any further applicable systems damage is lost. Likewise, no excessive damage hits may be applied as the result of a targeting action. A targeting lock is lost if the gunner fires on another combatant, if they are later ordered to target a new system on the same target, or if the targeted system is destroyed. NOTE: If gridded combat is being used, only the arc impacted by the weapon is considered for purposes of the amount of additional damage inflicted (i.e. if a ship's defenses are completely down in a combat arc and the weapon impacts that arc, the system takes full damage even if the remaining three arcs have sustained no damage at all).

## Use Sensors

A ship's captain may order a crewmember to use the ship's sensors on a specified target during a combat round; this is a standard action. This action may be used to update the ship's information on other combatants (including their current damage level). This usually involves a standard Technology Check; the Check must succeed in order to find out any substantial information about the target. Failed Checks will utilize the table listed under the Science skills section of this guidebook to determine any specific information gathered.

## Repair

A captain may order an engineer to attempt to repair any damage their ship has sustained during the course of a combat round; this is a special action. A captain may order repairs at any time; repairs require the engineer to spend a number of minutes equal to the ship's Size Class on the repairs, during which time they are not available to perform any other work. To make a repair attempt, the crewmember must make a successful Check after the prescribed amount of time is complete; the Skill that must be Checked is solely dependent upon which system is being repaired. If the Check is successful, they may roll 1d10; the result is indicates the percentile amount of damage to the system that is immediately repaired (with zero counting as ten in this case). If the system had malfunctioned, the engineer may make a Damage Contro/ Check to bring it back on-line after successfully repairing some of the damage to it; if successful, the system comes back on line immediately. Armor and Core Damage may not be repaired in combat.

## Hail

A ship's captain may order a communications officer to attempt to open communications with another ship, combatant or non-combatant during a combat round; this is a standard action. Hailing requires a Translate Check; this Check automatically succeeds if the target craft is operated by members of the same species as the hailing craft. All capital ships receive a +30 DC bonus to their Trans/ate Check for purposes of hailing. If successful, the crew of the hailing ship may talk freely to the targeted party.

## Jam

A ship's captain may order a communications officer to attempt to jam another combatant's communications during the course of a round; this is as a standard action. Jamming a target combatant's communications requires a successful Distress Check; if the check is successful, all of the target combatant's electronic communications are jammed for one round (note that this will not affect any spoken communication). As a side effect, if any combatant in the combat zone launches a Friend-or-Foe missile during the course of a round, any jamming will cause an automatic critical miss; the weapon will inflict damage on the firing craft as if its Communications system had malfunctioned (see below).

## Distress

A ship's captain may order a communications officer to attempt to send a distress signal and summon help during the course of a combat round; this is a standard action. Sending a distress call in combat requires a Distress Check with a -5 DC modifier applied for every active enemy combatant. If the Check is successful, the GM may roll d\%; the result is the amount of time that will pass before friendly forces arrive in rounds; the number and type of friendly forces that arrive should be commensurate with the degree of success of the Check. Once the new forces arrive, the GM must integrate them into the current combat situation.

## Jury Rig

A captain may order a crewmember to attempt to jury-rig a system during a combat round; this is a full-round action. Jury-rigging requires a successful Damage Contro/ Check with a DC penalty equal to the amount of damage the system has received. If the Check is successful, its functionality is restored but no actual damage is repaired. Should the ship receive any amount of damage on
subsequent rounds, however, it will automatically malfunction until more permanent repairs can take place.

## Refocus Shields

A ship's captain may order an Engineer to refocus the ship's shields; this is a standard action. Rebalancing the shields requires two successful Defenses Checks in a row; if both checks are successful, the craft's captain may re-assign the craft's SHP among its defense arcs as they wish. If either check fails, the SHP mains exactly as it already is in all defense arcs. The Checks have critical potential: in the event of a critical failure, the Shield system will take $1 \mathrm{~d} \%$ damage in addition to normal failure effects.

## Tail

A ship's captain may order its pilot to attempt to "tail" its current target; this is a special action. In order to attempt this action, the ship must be located somewhere within the target's aft defense arc and must have a current heading within twenty degrees on either side of the target's current heading; if these conditions are met, the ship's pilot may make a Starship Piloting Check which is opposed by a Starship Piloting Check performed by the target's pilot. If the target's pilot has the higher degree of success, the tailing attempt fails; otherwise the tailing ship may move immediately after the target has moved and prior to it making any subsequent actions during the next round.

## Recharge

All combatants may recharge a single discharged (fired) Gun hardpoint and regain SHP at the end of a combat round. The GM will select one Gun hardpoint to recharge, giving preference to Guns over Missiles and racks over turrets. The ship's crew need not wait for all of their Guns to recharge before firing again. For each ship in turn, the GM will then add $10 \%$ of its maximum hit points plus its Chief Engineer's Defenses Skill score to all defense arcs up to its normal maximum SHP. Finally, if a Gun uses the last shot available in its magazine, a fuel unit may be expended to reload it. Certain accessories may be used to increase a ship's Gun and Shield recharge rates.

## Move Action Rules

A ship's pilot may be ordered by its captain to change the ship's position during a combat round; perhaps unsurprisingly, this is a move action. Movement changes a combatant's range to all other combatants. As with other forms of combat, ships receive a number of "movement points" equal to their Combat Speed ratings.

Movement on the ship-scale may or may not require a Starship Piloting Check. All ships may move Straight Ahead or make a single 45-degree turn per move action without requiring a Check provided their Engines aren't damaged. Moves that involve more advanced maneuvers (lateral movements, tighter turns or subsequent turning) will require at least one successful Starship Piloting Check; the final number of successful Checks required depends upon what maneuvers are being performed and whether or not the ship has any Engine Damage (the amount of Engine damage is subtracted from the DC of the Checks). If any Check fails during the course of movement, the ship may make whatever movements it successfully completed up to the point where the failure takes place, at which point it stops moving. Additionally, if the result of any Check is greater than the amount of Engine damage the ship has sustained, the Engines malfunction at that point; the ship may make whatever movements it successfully completed up to that point. Advanced maneuvers usually have a minimum Engine Class requirement; if the combatant does not fulfill this requirement, it cannot perform the
maneuver (note that this automatically disqualifies some larger ships from performing certain moves). Ships with $100 \%$ Engine damage or malfunctioning Engines cannot move at all.

If a ship is carrying a total number of personnel (crew and passengers combined) greater than $120 \%$ of the normal amount allowed by its design, it is overcrowded and takes a -5 DC penalty on all piloting Checks for each whole multiple (rounded up) of its complement (for example, if a ship is hauling between three and four times its normal complement, it takes a-15 DC penalty to its piloting Checks).

Maneuvers take one movement point to perform apiece. The exception to this rule is the snap turn. Snap turns take no movement points to execute and can be a handy way of for a skilled pilot to extend the capabilities of their ship. Naturally, snap turns require a greater number of successful Checks and require have a higher minimum Engine Class requirement.

Advanced maneuvers give a ship's pilot a bonus to their Combat Maneuvers and Evasive Maneuvers Skill scores that lasts until their next turn; these bonuses accumulate with each advanced maneuver performed during the course of the combatant's movement. If the combatant is targeted at any time up until its next turn, the total bonus applies. The price for this bonus is a (smaller) penalty to the Marksmanship and Ballistics Checks of all gunners riding in the ship, which applies through the ship's next two actions; fancy maneuvering makes a ship harder to hit but also makes it a little harder for its occupants to aim accurately.

The Starship Piloting Checks for movement have critical potential. In the event of any critical success, the maneuver automatically succeeds and any Marksmanship and Ballistics penalties associated with the maneuver are nullified; the ship's pilot is able to pull off their maneuvers while allowing the gunners to maintain their aim/target locks). In the event of any critical failure, the ship may not move from its original location; the GM changes the ship's present heading to a new, random one. Additionally, the ship takes d\% Engine damage; if the Engines had any level of damage in the first place, they are destroyed ( $100 \%$ damage) instead.

| Capital Ship Maneuvers |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Minimum <br> Engine Class Required | Number of Successful Starship Piloting Checks Required | HD <br> Bonus | Marksmanship/ Ballistics DC Penalty | Description |
| Full Ahead | First Class | 0 | 0 | 0 | Ship moves one space forward. |
| Forward Slip | Second Class | 2 | -5 | -1 | Ship moves diagonally forward and does not change orientation. |
| Full Amidships | Third Class | 3 | -10 | -2 | Ship moves one space port or starboard and does not change orientation. |
| Aft Slip | Fourth Class | 4 | -5 | -1 | Ship moves one space diagonally backward and does not change orientation. |
| Full Reverse | Third Class | 2 | -5 | 0 | Ship moves one space backward and does not change orientation. |
| 45-degree Turn | First Class | 0 | 0 | 0 | Ship turns 45-degrees port or starboard in place. |
| 45-degree Snap Turn | Sixth Class | 2 | -5 | -2 | Ship turns 45-degrees port or starboard in place. |
| 90-degree Turn | Third Class | 1 | -15 | -3 | Ship turns 90-degrees port or starboard in place. |
| 90-degree Snap Turn | Seventh Class | 4 | -20 | -4 | Ship turns 90-degrees port or starboard in place. |
| 135-degree Turn | Fourth Class | 2 | -25 | -5 | Ship turns 135-degrees port or starboard in place. |
| 135-degree Snap Turn | Eighth Class | 6 | -30 | -6 | Ship turns 135-degrees port or starboard in place. |
| 180-degree Turn | Fifth Class | 3 | -35 | -8 | Ship turns 180-degrees port or starboard in place. |


| 180-degree Snap <br> Turn | Ninth Class | 8 | -40 | -10 | Ship turns 180-degrees port or starboard in place. |
| :---: | :---: | :---: | :---: | :---: | :---: |

NPC combatants move in relation to their present target based on a comparison of their SI to that of their current target. Should the target have a lower SI, the NPC combatant will move towards it and vice versa. NPC combatants will keep their movements limited to 45 -degree turns and forward movement as a general rule. Any of these rules may be overridden at the GM's discretion.

If combat is not being conducted on a grid, a move action simply changes the range rolled to the current target (note that for purposes of the alternative range determination system indicated in Chapter 9.1, it is the original rolled range that determines what die type will be rolled in the next round, not the final amount indicted after the combatant moves). In the event that a combatant's final range to target is sixteen range increments or greater, their Sl should be compared with the opposing group's Composite Strength Index (CSI); if the combatant's SI is less than one-fourth of the opposing group's CSI, they may immediately withdraw from combat if they so choose.

## Combat in Asteroid Fields and Minefields

Capital ships will go out of their way to avoid asteroids and minefields like the plague. Nevertheless, there are situations wherein a capital ship may have to fight in an asteroid field or minefield, such as what may happen when the only route to its destination involves travel to a jump point in the middle of an asteroid field and there enemy ships waiting in ambush nearby.

In WCRPG, a GM that would like to stage a combat situation in one of these areas may set locations of particularly dense clusters of asteroids/mines with the risk of a collision occurring if a craft attempts to fly near or through one of them; alternatively, they may assume a collision risk every time a craft moves in the area. Use of clusters is not recommended with non-gridded combat.

If there is the potential for a ship to collide with an asteroid or detonate a mine as the result of a move action, the craft's pilot must make an immediate Starship Piloting Check with the Size Class of their craft subtracted from the Check's DC. If the Check fails, a collision occurs. Mines will inflict an amount of damage equal to any of the mine weapons listed in Chapter 6.2.3 at the GM's discretion; the Mk-I Porcupine is recommended for most situations. Asteroids will cause an amount of damage equal to ten times the result of ( $5+1 \mathrm{~d} 5$ ) times the craft's maximum speed during the round. In both cases, the damage is multiplied by the result of a 1 d 10 roll, signifying multiple collisions with these very hazardous objects.

## Attack Action Rules

A ship's captain may decide to attack an opposing combatant during a combat round; perhaps unsurprisingly, this is an attack action and probably the most common type of action that occurs in combat. Firing on another combatant requires the ship to be at Condition One, its batteries to be charged with enough energy for at least one weapons volley and the declaration of a valid target. NPC combatants will target the enemy combatant with the next lowest Initiative Check value or the enemy combatant with the overall highest Initiative Check value if no opponents with lower values exist; the GM may override this general rule at their discretion.

## Firing Weapons

Before any attempt to attack a target is made, it must be within range of at least one of the ship's offensive weaponry options, it must be within a firing arc that corresponds with that weapon and it must be ready to use. If these conditions are met by more than one weapon simultaneously, any number of them may be fired at the indicated target. Should a ship have multiple valid targets, it may fire at any number of them; the captain must specify what weapons will be fire at specific targets.

To be "in range", an attacking ship need only be as close to the target as the indicated number of range increments. Most forms of ordnance (such as mines, missiles and torpedoes) have two range increments listed; the first of these is an optimal range value and the second is the normal maximum range. There are additional penalties involved for firing ordnance outside of optimal range, as will be discussed momentarily.

As with vehicles, capital ships in WCRPG use a system of relative bearings to determine if a target is within a particular weapon's firing arc. As with vehicles, GMs may either use specific bearing data or override that information and simply say a weapon may fire into the corresponding major firing arc. In addition to their firing arcs, all capital ships have four defense arcs corresponding to the Shields and Armor that cover specific quarters (namely the fore, aft, port and starboard quarters). The four defense arcs correspond to the major firing arcs; when combined with their corresponding defense arcs, these are sometimes referred to as combat arcs. As is probably obvious from the bearing information on these arcs, the boundaries of
 a given combat arc are always set diagonal to the ship's bow (front) and perpendicular to one another such that when dealing with a physical grid the arc boundaries are along the grid's diagonals when the ship is on an orthogonal heading, and vice versa.

To determine if a combatant is within a given firing arc, the GM can draw or visualize a straight line between the attacking ship and its target. They may then either determine the exact bearing angle if a physical grid is being used or simply put a best guess at it if an abstract grid is being used. Any weapon that falls into any pre-designated arc corresponding to the determined bearing angle may be utilized. In a similar manner, the defense arc that will sustain any damage inflicted upon the ship can be determined by determining the bearing angle to the attacker. Most of the time, determining what arcs will be involved in the current attack action will be fairly straightforward. It may happen, though, that either the firing ship or the target will be "straddling" the boundaries between two combat arcs. In this case, the GM should give preference to either the forward or aft firing arc, whichever one is involved. An attacker may attack a target if another combatant (friendly or not) is in the way.

All weapons hardpoints to be utilized must be charged prior to firing. A gunner may fire as many of the available hardpoints as they wish; they do not have to fire all hardpoints at once unless specifically ordered to do so by the ship's captain. Some pieces of ordnance also require that a target be locked before they can be fired at an opponent. Locking simply requires that the target be kept in the weapon's firing arc for the prescribed number of rounds. Locking is automatic (no Check is required) unless the firing craft has Sensor damage; in that case, a successful Technology Check is required to maintain a lock during the course of a round.

If the conditions for firing a weapon are all fulfilled and an attack is allowed, a final "to hit" number must be determined; this is referred to as the effective hit difficulty (EHD). EHD is determined through a series of quick calculations. This begins by subtracting the score of the Combat Maneuvers Skill of
the attacking craft's pilot from the score of the Evasive Maneuvers Skill of the target craft's pilot; this represents any low-level sparring going on between the two combatants (remember that during a surprise round the Evasive Maneuvers Skill of the target is ignored). The difference is subtracted from the target's applicable HD rating; this is its BHD if a blast weapon is being utilized, its FHD if they are surprised and its normal HD in all other cases. Specializations of the indicated Skills may be used if applicable. Effects from any onboard equipment (such as an active cloaking device) modify EHD as well. Finally, one point per range increment is subtracted from the target's effective HD. If the weapon to be fired is a piece of ordnance and the attacker is outside its optimal range, the range penalty is increased to five points per range increment. For example, a Venture-class Corvette is firing its guns at a Ralari-class Destroyer, which has an HD of 36 and is four range increments away. The Venture's Pilot has a Combat Maneuvers specialization in "Kilrathi Destroyers", with a combined Skill and specialization DC of 84. The Ralari Pilot's Evasive Maneuvers DC is 25. In this case, 45 points would be added to the Ralari's HD and four points would be subtracted from it for range, so its EHD is 91 (25-84=-59; 36--59-4=36+59-4=97).

Once the effective HD is determined, the attacking ship's gunner will perform an attack roll; this is a Skill Check that depends on the weapon being used. If Guns are being used, the attack roll is a Marksmanship Check. If Ordnance is being used, the attack roll is a Ballistics Check. The number of Checks that must be performed equal the specific number of weapons being fired (i.e. if a ship is firing two Mass Drivers, the gunner will need to make two Marksmanship Checks). To be fully successful, the result of the Check must be equal to or lower than the target's EHD and must be sufficient for a successful Check of the indicated Skill. If the result of the roll is insufficient to overcome the EHD the attack fails regardless of whether or not the Skill Check succeeds. If the result of the Check is insufficient for a successful Skill Check but is sufficient against the target's EHD, a single hit with the weapon will be scored and will inflict the amount of damage indicated by the weapon type. How the damage affects the target will depend on how much damage is inflicted and in which of the target's defense arcs the weapon hits (see Reso/ving Damage, below). If the Check is fully successful, there is the possibility that the weapon will hit the target more than once; if the weapon fired has a re-fire rate greater than one, the target will sustain one additional hit for every five points in the degree of success of the Skill Check up to the maximum amount of shots that the weapon can fire in a single round. Capital ships may make spoofing attempts for light ordnance in the same manner as vehicles.

Player groups may feel that the weapons installed aboard craft from the WC3 era (roughly 2669) and later do not inflict significant amounts of damage quickly enough for good role-playing; the statistics indicated for these craft are correct based upon all available data. If they so choose, GMs may multiply any damage inflicted by these craft; a general multiplier of between five and ten times is recommended.

Attack rolls have critical potential. In the event of a critical success (a critical hit), a hit occurs whether or not the roll succeeded against the EHD. Should the Check be fully successful in this case, the weapon inflicts double the full amount of damage for all applicable hits regardless of range. In addition to the extra damage points, one system takes damage regardless of the condition of the ship's defenses. The GM must roll to determine which system is affected as normal (see Resolving Damage, below) and roll $\mathrm{d} \%$ for the amount of damage inflicted on the system (with 00 counting as 100 in this case).

In the event of a critical failure (a critical miss), what happens depends on the specific result. On any result other than 99, the weapon malfunctions; it causes half-damage to the firing craft and is rendered unusable, though it may be repaired as with any other system malfunction. The resultant damage is applied as armor damage against all defense arcs; if there is insufficient armor in a defense arc, the damage is passed on as systems damage as normal. If the result is a 99 , the weapon fires but inadvertently hits a friendly target by mistake; such "blue-on-blue" incidents can be
quite costly. Another Check is made against the friendly combatant's HD. If the Check is successful, double the normal full amount of damage is applied to the friendly target; the normal amount of damage is applied otherwise. Any critical results on this subsequent Check are ignored. The friendly combatant affected is the friendly ship with the next lowest Initiative Check value, or (if no such ship exists) the friendly ship with the highest Initiative Check value. If there are no other friendly ships available, the attacking ship hits itself with its own weapon. A critical miss result automatically overrides any hit result that may have otherwise arisen (for targets with particularly high HD values).

Heavy Ordnance (which includes weapons such as torpedoes and capship missiles) is handled somewhat differently from other forms of weaponry. Except where noted, all pieces of heavy ordnance behave as vehicles in their own right; since they are almost always used on capital ships, their usage is considered a form of mixed-scale combat.

## Resolving Damage

As previously mentioned, ships have four defense arcs; these are concurrent with the major firing arcs. Each defense arc has its own SHP and AHP count; damage to one arc does not affect either count in another arc. Ships initially receive the full indicated amount of SHP and AHP in all defense arcs based upon their design; for purposes of calculating changes to their SI in combat, the arc with the lowest overall count is used.

Upon taking a successful weapons hit, a target will take damage in the defense arc corresponding to the relative bearing to the attacking craft; damage involves a reduction of the ship's SHP, AHP, and/or systems damage if it is severe enough. If a ship is hit by a weapon to which it is resistant, the amount of damage is automatically reduced by the indicated amount prior to its application; it is possible for a ship to take no damage from a hit in this event. Likewise, if a ship has an overall damage reduction, the amount of damage is reduced by the amount indicated prior to its application. A ship will always suffer shield damage first provided that it has shields installed and that they are functioning at the time of the hit. For every point of damage inflicted, one point is subtracted from the corresponding defense arc's shield hit points. If the shield hit points are reduced to zero and there additional damage is indicated, it is applied against the arc's armor hit points in the same manner. Points subtracted from Shields and Armor are also subtracted from the ship's strength index, which in turn lowers the composite strength index of the ship's combat group. SI is only adjusted for the combat arc with the lowest combined amount of SHP and AHP; should a ship have sustained a lesser amount of damage in a different combat arc, SI is not adjusted.

If a ship's Armor Hit Points are reduced to zero in a defense arc, any further damage is applied as Core Damage. Unlike Shields and Armor, there are no individual defense arcs for Core Damage; at that point the damage is eating into the very heart of the craft. Ships sustain Core Damage at a rate determined by their Size Class. To determine how much Core Damage a craft has sustained, the GM must take the amount of applicable excess damage, divide it by the craft's Size Class and truncate any remainder. Ships sustain Core Damage in terms of a percentage, with the craft being completely destroyed once Core Damage reaches 100\% (though it may break apart sooner as will be discussed shortly). When a ship is destroyed, any occupants still aboard are automatically killed.

A ship with Core Damage has structural fatigue and is in serious danger of flying apart at its seams. When a ship sustains Core Damage, a Structural Integrity Check must be performed; the DC of this Check is 100 minus the total amount of Core Damage. If the Check fails, the ship breaks up; it is considered destroyed at that point with the same penalties as if it had sustained $100 \%$ Core Damage.

Provided the ship survives its Structural Integrity Check, excess damage may also inflict systems damage upon it, reducing one or more of its capabilities; injuries to crewmembers (including PCs) are considered part of systems damage. For every $5 \%$ of Core Damage it sustains, the ship is inflicted with one instance of systems damage. When an instance of systems damage is indicated, 1d10 is rolled; the result determines which system takes the damage:

0 : Shields - Shield damage affects the craff's shield emitters. If the Shields malfunction, they will no longer regenerate. Shield damage has no effect on a craft's current or maximum SHP, only its recharge rate.
1: Guns - Gun damage determines whether or not the ship can fire any Gun weaponry. If the ship has no Guns, it cannot take Gun Damage. Malfunctioning Guns cannot fire.
2: Ordnance - Ordnance damage is the same as Gun Damage except in regards to ordnance (missiles, mines, torpedoes, etc.). If a specific ordnance mount on the craft is destroyed, it immediately sustains an additional amount of excess damage equal to the damage potential of the ordnance in question due to its detonation. This will require renewed checks for Core Damage.
3: Radar - Radar damage affects how well a combatant can track its target. Malfunctioning radar systems give a - 25 HD bonus to any combatant the craft fires upon; the craft also may not launch any ordnance that requires a lock.
4: Communications - Communications damage limits how well a craft may communicate with other combatants. If its communications system malfunctions, a craft may not hail other craft, cannot send distress signals and cannot jam enemy transmissions. Further, if the craft attempts to use Friend-or-Foe Missiles, an automatic critical miss will occur; the craft will sustain damage from its own weaponry; this will require renewed checks for Core Damage. 5: Engines - Engine damage affects how well a ship can maneuver. If a craff's Engines are damaged, the amount of damage is subtracted from the DC of any move action Checks. Should the engines malfunction, the craft cannot move; its pilot cannot apply their Combat Maneuvers or Evasive Maneuvers Skills prior to any attack rolls made by or against the craft. 6: Flight Deck - Damage to the ship's flight deck (if it has one) can be very serious and may even ultimately prove fatal should the ship either not have fighters deployed prior to the damage occurring or have a large number of auxiliary craft low on fuel and armament at the time the damage occurs. Each point of damage to the flight deck increases the time required to turn around auxiliary craft (either launch or land) by one round. Flight operations are not possible at all on a "malfunctioning" flight deck.
7: Crew Damage - This roll indicates that one or more of the ship's "redshirt" NPC specialists has been injured or killed. If there are no "mission critical" NPCs aboard the ship, the GM must roll $1 \mathrm{~d} \%$ and halve the result (round up). The result determines the number of redshirts that die instantly. If there are mission critical NPCs aboard (a commanding general, a politician, the rival crime boss's kid, etc.), the GM must select a player to roll 1 d 10 for the involved character(s) while they roll for non-critical NPCs; the lowest throw takes the damage. Mission critical NPCs sustain damage like PCs (see Officer Damage, below) while non-critical NPCs take damage as indicated above. This kind of damage never applies to PCs; if there are no NPCs aboard, treat this roll as Officer Damage.
8: Officer Damage - This roll indicates that one of the ship's PC crewmembers or NPC officers has taken Lethal Damage. To determine which character sustains damage, all players with characters currently aboard the affected craft roll 1d10. For any NPC officers, the GM may either perform the roll themselves or assign one of the players to perform it. Lowest throw takes the damage; in the event of a tie for low throw, the affected players must re-roll until there is a clear result. The unfortunate character must roll $\mathrm{d} \%$ and halve the result (rounding up); the final result is the amount of Lethal Damage they sustain. If an officer is killed, the Captain may pick any crewmember (including themselves) to assume their duties. Any officer that takes damage in this manner automatically becomes Shaken unless they are the captain.

9: Life-Support System - Life-Support system damage renders parts of the ship temporarily uninhabitable due to lack of heat, oxygen and/or gravity or the loss of the ability to protect the craff's occupants from the exterior environment. A malfunction of this system is not instantaneously fatal but unless swift action is taken in an attempt to restore the system, death for all of the crew is inevitable. Life-Support System failure has a number of ongoing environmental effects.

Every instance of systems damage inflicts $25 \%$ damage to the affected system or one Wound to the affected character. A Damage Contro/ Check (or any applicable specialization) may be performed by an Engineer in an attempt to mitigate the damage; the degree of success of the Check divided by ten (rounded down) is subtracted from the percentage of points of systems damage inflicted on the ship (i.e. a degree of success of 36 would reduce the amount of systems damage by $3 \%$ ).

If a system has been damaged, there is the chance that it may malfunction whenever the afflicted ship attempts to utilize it. To determine if a malfunction occurs, an engineer must perform a Damage Contro/ Check; the DC of the Check in this case is 100 plus the engineer's Damage Contro/ Skill score minus the total amount of damage the system has sustained. If the Check fails, the system malfunctions; any penalties that occur as the result of a malfunction take effect immediately. Sensors, Communications and Life-Support should be checked at the beginning of the ship's turn, Engines when it attempts a move action, the Flight Deck whenever an auxiliary craft attempts to launch or land, any weapons systems when it attempts an attack action, and Shields when it attempts to recharge Shields. The Damage Contro/ Check has critical potential: in the event of critical success, $5 \%$ damage is immediately removed from the system. In the event of a critical failure, the system malfunctions and takes an additional $\mathrm{d} \%$ damage up to the $100 \%$ damage maximum. Once a system has malfunctioned, it will remain non-operational until it can be repaired unless an engineer can jury-rig it. A system is destroyed once it has sustained $100 \%$ damage, at which point a malfunction is automatic.

If a system is indicated to sustain further damage after it's already been destroyed or if the system does not exist on the craft in the first place, the craft takes additional Core Damage. This starts at $10 \%$ the first time one of these excessive damage hits occur and increase by $10 \%$ for each subsequent occurrence ( $20 \%$ for the second time, $30 \%$ for the third time, and $40 \%$ for the fourth time; since Core Damage is cumulative, the craft should be at 100\% Core Damage when a fourth instance of excessive damage occurs). Excessive damage hits are cumulative; if a system has sustained two excessive hits during a round and sustains damage again on a subsequent round, it counts as the third excessive hit. Core Damage taken through excessive damage hits does not prompt another Structural Integrity Check but the ship may still explode if it reaches $100 \%$ Core Damage in this manner.

Finally, any time a ship takes Core Damage and survives its Structural Integrity Check, all crewmembers (except the captain) must perform a Willpower Save; any crewmember that fails this Check becomes Shaken.

The following is an example of how damage is applied to capital ships. A Ralatha-class Destroyer sustains 6,000 points of damage from three torpedoes slamming into its portside damage arc. The Ralatha has Phase Shields and 5,000 AHP in each arc. The Ralatha might as well not have any shields; the torpedoes can pass right through them and so all 6,000 damage points are passed on to its Armor. The Armor absorbs 5,000 points of damage, leaving no Armor in the portside arc and passing 1,000 points on to excess damage. Since a Ralatha is a Size Class 22 craft, every full 22 points of excess damage turns into 1\% Core Damage; the ship takes 45\% Core Damage.

Since has Core Damage, a Structural Integrity Check must be performed. The DC of the Check is 55 (100-45 = 55); the ship's Engineer rolls a 34, which is good enough for a success.

Since the ship survived its Structural Integrity Check, $d \%$ is rolled for an acquired flaw. Unfortunately, the result is 78 - an FTL system overload. The ship immediately sustains 80\% Engine Damage and an additional $d \%$ Core Damage. The d\% is rolled for resultant Core Damage; the result is 85, bringing the total amount of Core Damage to 130\%. The ship subsequently explodes in a massive, fiery ball. Score one for the good guys...

Since the ship sustained 130\% Core Damage, a total of the 26 instances of systems damage occur (130/5 = 26). Since the ship blew up, however, rolling them out is academic; dead is pretty much dead.

## Miscellaneous Terms and Definitions

Shaken: A Shaken crewmember has had a traumatic, frightening experience, psychologically stunning them and making them ineffective. A Shaken crewmember will not follow any orders given to them by their captain; any attempt to make them do so wastes the action. While Shaken, a crewmember is at a -30 penalty to all Checks except Saves. A Shaken crewmember can "snap out of it" with a successful Willpower Save.

Undermanned Penalty: A ship that has less than $90 \%$ of its crew requirement aboard is considered undermanned and takes an Undermanned Penalty. Ships that are suffering from an Undermanned Penalty must succeed at every Check it requires twice in a row for as long as it remains undermanned.

Opportunity Attack: An Opportunity Attack usually occurs in special situations wherein an opposing combatant is about to do something particularly nasty to its target; it allows the target to make a single strike at its oncoming attacker. Opportunity Attacks are free actions conducted by the target during its attacker's turn. The target must itself target the attacking combatant but is otherwise free do whatever they wish within the bounds of a standard attack action. Any weapon utilized during an Opportunity Attack is considered discharged should the target's turn be later in the order of battle.

## Mixed-scale Combat

The previous sections deal with situations wherein the various combatants all share the same scales of motion. Many combat situations are not so unambiguous; in situations wherein combatants from more than one scale of motion are present, combat is considered "mixed-scale" and several special rules apply.

## Range

In a mixed-combat situation (sometimes called a "cross-combat" or "cross-scale" situation), the rule is to always use the scale that utilizes the largest spatial increment. This has a negative effect on the movement of any smaller-scale combatants; if the differences in scale are significant enough, smaller-scale combatants may effectively become stationary.

The spatial increments of the varying scales of combat from smallest to largest are as follows:

- Character-scale (Short-Range): 5 meters
- Character-scale (Long-Range): 25 meters
- Land Vehicle-scale: 1 kilometer
- Sea Vehicle-scale: 10 kilometers
- Air Vehicle-scale: 20 kilometers
- Space Vehicle/Capital Ship-scale: 10,000 kilometers**

Space vehicles and capital ships are in a unique situation when it comes to cross-scale combat. Technically, they have the largest spatial scale of any combatant, but the situations in which they could engage a smaller-scale combatant would require them to first enter planetary atmosphere in most cases. In all instances where space vehicles are engaged in cross-scale combat, they should be treated as air vehicles.

## Initiative

In mixed-scale combat, all combatants still determine their Initiative Check values as normal, with one exception: smaller spatial-scale combatants get a +2 Initiative bonus per step smaller than the largest spatial-scale combatant present. Space vehicles/capital ships count as a larger scale than air vehicles in this case (i.e. if an air vehicle was attacking a capital ship, it would get the Initiative bonus) and characters will always use the long-range spatial scale in cross-combat situations. In the event that there are combatants in a situation with multiple scales and terrains, the Initiative bonuses stack up. Take the example a situation wherein a character, a tank, a jet fighter and a capital ship are fighting with one another (not likely, but possible in some cases). In this case, the jet fighter would get +2 by virtue of it being an air vehicle against a capital ship, the tank would get +6 by virtue of it being a land vehicle against a capital ship and the character would get +8 by virtue of it being a character (again at long-range) against a capital ship.

## Damage and Scales of Combat

Weapons on larger spatial scales as a rule have a far greater destructive potential than those on smaller spatial scales; a weapon that inflicts one point of damage to a capital ship or vehicle is significantly more powerful than a weapon that inflicts one point of Lethal Damage to a character. For a character to be hit by a weapon designed to damage a vehicle is almost always certain death, while a weapon designed to kill a character may not even dent a vehicle (there are, however, a few very powerful character-scale weapons designed to be used against significantly armored targets and vehicles). When using larger spatial-scale weapons against characters, always assume the weapon does Lethal Damage only.

There is a fixed conversion rate between the character- and vehicle/capital ship-scales of damage. For reference, ten points of Lethal Damage on the character-scale equals one point of damage on the vehicle/capital ship-scales. When converting between the two scales, any decimal remainders from the scale conversion are always rounded up regardless of how small they are. Any conversion between scales should happen after the amount of damage to be inflicted upon a target has been determined, just before it is to be applied. Damage conversion assumes that weapons of different scales are being used - a vehicle that is merely firing off a character-scale weapon at a group of characters would not convert damage to the vehicle-scale first, but a conversion would take place if it was firing on another vehicle instead.

## HD Modifiers

To help offset the inherent greater power of larger spatial-scale combatants, it is assumed they have a harder time targeting any smaller, relatively more nimble combatants. To reflect this, an HD modifier applies in mixed-scale combat situations. This modifier is dependent upon the difference in Size Class between the various combatants. Subtract the Size Class of the smaller combatant from the Size Class of the larger one and add five. The final result is subtracted from the HD of the smaller
combatant and added to the HD of the larger combatant. All character-scale combatants will need to subtract eight levels from their Size Class to account for the difference between the character and vehicle/starship Size Class scales (e.g. a Size Class 5 character in combat against a vehicle is considered to be a Vehicle Size Class -3 combatant).

For example, a Dorkathi-class Transport is shooting at an attacking Sabre. The Dorkathi ordinarily has an HD of 38 and a Size Class of 16, while the Sabre ordinarily has an HD of 31 and a Size Class of 10. In this case, the Sabre gains a bonus of eleven to its $H D(16-10=6,6+5=11)$, bringing its HD down to 20. Conversely, the Dorkathi's HD will increase to 49 when the Sabre makes its inevitable counter-attack.

A target will always take a hit if a critical hit result is rolled regardless of its scale; there are no scale adjustments made to HD for critical hits. Likewise, there are no adjustments for critical misses by a combatant.

## Heavy Ordnance

Unlike all other forms of weaponry in the game, heavy ordnance shots are not instantaneously resolved. Rather, all heavy ordnance is treated as Size Class 1 space vehicles in their own right, coming into a combat situation upon launch. Launching heavy ordnance requires a successful Ballistics attack roll against the target's BHD; in all cases a lock for any prescribed period must be maintained as with light ordnance. If a critical hit is rolled, the ordnance will do double damage as normal but only after the weapon impacts. Heavy ordnance remains active for a number of rounds equal to its "optimal range". Once launched, heavy ordnance will travel towards its target at the speed indicated in its stats and will hit the target once it enters the same square; it will not turn more than 45 degrees in any given move action. Heavy Ordnance cannot be spoofed but can be targeted by other combatants like any other vehicle. All Heavy Ordnance has HD ratings of 15/29/21, an Evasive Maneuvers score of 5 and an Initiative rating of +11 . All forms of heavy ordnance have 300 SHP and 100 AHP. Heavy ordnance follows all other rules for vehicle-scale combat and is subject to the other modifiers to their stats as noted in this sub-Chapter.

## Simultaneous Combat

Certain combat situations may call for simultaneous combat, which is considered a special type of cross-combat. Simultaneous combat occurs when two or more distinct combat actions must take place at the same time. Examples include boarding actions (a character-scale combat situation taking place at the same time as a vehicle-scale combat situation at sea), mixed-scale combat situations wherein not all of the involved combatants are against one another (e.g. a group of characters finds themselves fighting a battle tank that happens to be inside a capital ship, which itself is fighting other capital ships) and combat happening at the same time in two separate locations. Simultaneous combat can get very complex very fast because factors in one combat action may affect factors - or even the outcome - of the others.

Depending on how the PCs are involved, the GM may have several options as to how to handle a simultaneous combat situation. If the PCs aren't involved at all, the GM can just use Simple Combat to determine the outcome of the action; use of goals is strongly encouraged in this case. If at least one PC is involved in combat, the GM may choose whether they want to run their combat action as a side adventure, if they want to treat the combat situations distinctly or if they just want to use Simple Combat.

Character-scale combatants can take crew or officer damage should it be indicated as the result of actions on a larger simultaneous combat scale; should a vehicle or capital ship take crew damage,
any combatant inside that craft may take the damage (including PCs). When personnel damage is indicated in combat situations wherein members of the player group are involved, each combatant group rolls 1d10. A member from the group with the lowest throw will take the damage (continue rolling in the event of ties), using the same crew damage schema for vehicles/capital ships. Should it be destroyed, all characters will suffer the normal penalties for a craft's destruction; this includes any PCs that happen to be fighting aboard at the time.

The best way for a GM to deal with a simultaneous combat situation is to resolve actions in whichever action is most critical to the overall situation before going on to the remaining actions. In the event that all involved actions are equally critical, the GM should resolve actions on the largest combat scale involved before proceeding to the smaller scales.
VESPUS


## Campaign Preparation

The following section contains the materials necessary to conduct the Vespus campaign. Unless you are the GM, you should stop reading at this point; reading further will only spoil it for you and may force your GM to do something sneaky like switch up the order or strength of the individual encounters or to completely re-write individual missions.

The GM will need a copy of the rules (which shouldn't be a problem unless something odd happens) and take the time to review them thoroughly. Plain text acts as a guide for the GM; it lets them know what is intended to happen with each of the various encounters and missions. Text that appears in italics is player information, which the GM can read aloud, paraphrase or have players read themselves if appropriate (for example if it is something a player character is saying). Underlined text contains information for the GM that should not be read aloud. The GM should thoroughly familiarize themselves with the statistics of the various craft in preparation for the campaign, especially since several non-canonical craft are utilized in the Vespus campaign. The main difference between the default stats for capital ships and the ones used in Vespus are limited to fighter complements; specifically, the following things are different:

- TCS Bhopal, the player group's carrier, carries 8A-18 Crossbow Medium Bombers and 8 F71 Stiletto Light Fighters in addition to her normal compliment; players may fly these craft on their missions. She is also carrying a single SAR-13 Phoenix Shuttle, which is a non-player craft featured in Mission 4B. Bhopal will also acquire ten additional F-42 Hellcat-V Space Superiority Interceptors during the course of the campaign from her escorts Coimbra and Brak (provided that they survive Mission 1).
- There a Dubav-class escort carrier with the Kilrathi group. In addition to her normal fighter complement, he will be carrying a Zartoth Heavy EW Fighter (which will be featured in Mission 2) and 24 extra Strakha Medium Stealth Fighters, Uprated that have been transferred over from a Bhantkara-class carrier just prior to the start of Mission 1.

Prior to the start of the campaign, the GM will need to sit down with each player and have them either select one of the campaign pilots to play or have them create one of their own. If one of the players decides to take on the role of Lieutenant Colonel "Whistler" Risko (the ship's CAG), the players will need to decide which fighters they would like to fly prior to each mission: Arrows, Hellcats, Thunderbolts, Crossbows or Stilettos. If no one chooses to play as Whistler, the GM may make a selection of their own or simply have the group fly the specific fighter type indicated in brackets for the mission. Also, each mission briefing is given by Whistler; if one of the players has taken on that role, the GM should have them read the briefing text out loud to the rest of the player group at the beginning of each mission; otherwise, the GM must assume the role themselves. Should Whistler die during the course of the campaign, the briefings will instead be delivered by Captain Codoc, Bhopal's CO.

One of the key elements of the Vespus campaign is that both the Confederation and Kilrathi groups are playing with a very limited set of resources in terms of time and materiel. If a fighter is destroyed, there will be no replacement; if a fighter's use is indicated but the corresponding force doesn't have enough of that fighter available, the GM must ignore that instance. This may mean that the balance of encounters may be greatly different than what's indicated. The GM will need to keep careful track of how many fighters both carriers have left. Bhopal is also flying with a limited amount of ordnance for her fighters and bombers; the GM will also have to keep track of this information as well. Specifically, she is carrying one hundred pieces of standard light ordnance in each category (DF, HS, IFF and ImRec) and fifty torpedoes for aviation use at the start of the campaign. Players will have to be careful about how and when they use ordnance throughout the campaign. Finally, some of the events of the later missions are dependent upon how much time has elapsed since the beginning of
the campaign. The GM will need to keep careful track of this information and plan events accordingly.

Finally, aside from specific events, the progress of the player group will depend on the accumulation of mission points, which they will accumulate by destroying Kilrathi craft and by keeping Confederation craft alive. The potential number of points will be listed in the "Mission End" section of each given mission along with any victory conditions and instructions on where to go next. The GM will have to keep track of the collective score of the group as the campaign progresses; it will be the group's score after Mission 4A/4B that determines if they'll play Mission 5A (winning the campaign) or Mission 5B (losing it). In all missions, Bhopal is a mission-critical craff; its loss signals the immediate end of the campaign.

## Campaign Background

This is Colonel Christopher Blair. Report to Admiral Tolwyn: the wreckage of the Concordia has been located on Vespus off the Mistral Coast. Evaluation...Total loss.

Vespus is a "might've been" campaign that attempts to chronicle the events surrounding the loss of TCS Concordia in the Vespus system in early-2669, an event that occurs sometime after the novel Fleet Action and prior to the beginning of Wing Commander III: Heart of the Tiger. Almost nothing is known about how Concordia was lost over Vespus nor how she wound up half-submerged on the planet's surface save that it happened during a rearguard action. The player's ship in Wing Commander II and a craft that is heavily featured in the Baen novels End Run and Fleet Action, Concordia's final resting place is only explained through a short paragraph in the Baen novel Heart of the Tiger. This campaign attempts to fill in some of the details of this event. Given the lack of data, however, it should be considered conjectural; player groups are welcome to put their own spin on things if they so choose.

The dateline is 2669.187 , roughly two weeks before the start of Wing Commander III. The players are part of VF-119, Fireball Squadron, a group of pilots assigned to the Tallahassee-class cruiser TCS Bhopal, which is part of Confederation Task Group 68.18 based on the Yorktown-class light carrier TCS Oriskany. The campaign begins in the Cardell system, (Grills Quadrant, Enigma Sector) with TG 68.18 assigned to the mainguard fighting the Kilrathi for control over the system. During the fighting, a Kilrathi raider group attempts to slip past the Confederation defenders, which is where the action begins. Bhopal's seen heavy fighting already and things are about to get a little more desperate - it'll ultimately be the job of the players to ensure the survival of the civilian population of Vespus. Whether or not history is changed and Concordia doesn't wind up as an artificial reef will be up to them...

## Vespus System

Vespus is a star system located along the central coreward edge of the Grills Quadrant of Enigma Sector. It's Confederation territory and home to one major port of call: Vespus (also known as Vespus Prime or Vespus II), a pleasure world. Vespus Prime is a larger Confederation colony; it's home to approximately five million Confederation citizens and is renowned as one of the Confederation's major resort worlds, much like Xanadu in Vega Sector and Jolson in Gemini. One of the more wellknown areas of the planet is the Mistral Coast, located just within the bounds of the planetary tropical zone; its sandy beaches and pristine shoreline draw in close to ten million tourists every year and its sheer length ensures a degree of privacy to those who seek it. The planet's primary exports are (like most Pleasure Worlds throughout the Confederation) games, movies and pornchips; in particular it is well known as home of the famous "Things Gone Wild" TM series. The system is a major Confederation
crossroads three jumps from Sol with direct links to such strategic systems as Cardell, Speradon, Heaven's Gate and Ella, the last of which is (of course) home to Ella Superbase.

The system's configuration is fairly unremarkable. It contains a single asteroid belt located at an average distance of 0.092 AU from the primary; this corresponds to the star's Roche Limit and was probably formed by the disintegration of a small carbonaceous planetoid. There are five planets in the system and one dwarf planet. Of the planets, two of them are gas giants in the system's outer reaches; these worlds are the only planets in the system to have any significant moons. The system contains seven jump points in total, connecting to the Hillerman, Heaven's Gate, Speradon, Pembroke, Cardell, Canarus and Ella systems.

For purposes of the campaign as it is written, there are two critical distances the GM must be concerned about: the distance from the Cardell Jump Point to Vespus Prime and the distance from Vespus Prime to the Ella Jump Point. At the time of the campaign, the Cardell Jump Point will be located $121,650,000$ kilometers from Vespus Prime. The Ella Jump Point, which is located at Vespus Prime's $L_{2}$ point, is a mere 1,500,000 kilometers away; Vespus Prime will be blocking the direct path between the two jump points.

The remaining information on the system provided below is intended for purposes of flavor; GMs may share this information with the players if they so choose. The data may also be used in the event that a GM wishes to mix things up a little bit. Most pieces of specific planetary data have not been provided due to the nature of the campaign as written; GMs are welcome to "fill in the gaps" on their own if such data becomes relevant.

Jump Point Reference on 2669.187.

- Hillerman: $\mathrm{L}_{3}$, Daedalion (Third Quadrant, ~8.667 AU $\dagger$ )
- Heaven's Gate: $\mathrm{L}_{5}$, Lucifer (First Quadrant, 0.147 AU)
- Speradon: $\mathrm{L}_{4}$, Ceyx (Third Quadrant, 4.333 AU)
- Pembroke: $\mathrm{L}_{3}$, Ceyx (Fourth Quadrant, $\sim 4.333 \mathrm{AU} \dagger$ )
- Cardell: $\mathrm{L}_{4}$, Lucifer (Third Quadrant, 0.147 AU)
- Canarus: $\mathrm{L}_{4}$, Astraeus (Second Quadrant, 1.629 AU)
- Ella: $\mathrm{L}_{2}$, Vespus Prime (Third Quadrant, 0.968 AU)
$\dagger$ Jump Points located at planetary $L_{2} / L_{3}$ of Daedalion and Ceyx are listed as approximations due to lack of planetary radii data.

System Profile on 2669.187.

- System Primary
- G6V, Mass 0.98 solar, Luminosity 0.84 solar, Temperature 0.91 solar, Roche Limit 0.092 AU, Tidal Lock Radius 0.596 AU, Inner Ecosphere Radius 0.752 AU, Outer Ecosphere Radius 1.100 AU, Frost Line Radius 1.558 AU, Outer Planetary Limit 39.200 AU, Surface Gravity 27.07 G, Surface Temperature 5,257.98 K, Absolute Luminosity $3.309^{*} 10^{26} \mathrm{~W}$, Absolute Mass $1.949^{*} 10^{30} \mathrm{~kg}$.
- Planetary Configuration
- Asteroid Belt, Inner Edge 0.092 AU, Outer Edge 0.094 AU.
- Lucifer (Vespus 1), Molten Planet, 0.147 AU Distant / Second Quadrant, Tidally Locked, Retrograde Rotation.
- Jump point at $\mathrm{L}_{4}$ - Cardell, Grills Quadrant, Enigma Sector.
- Jump point at $\mathrm{L}_{5}$ - Heaven's Gate, Grills Quadrant, Enigma Sector. Density 0.8 Earth, Volume $1.49^{*} 10^{21} \mathrm{~m}^{3}$, Radius $7,085.42 \mathrm{~km}$, Mass $6.57^{*} 10^{24} \mathrm{~kg}$ (1.10 Earths), Surface Gravity 0.89 G, Orbital Period 0.947 Earth years, Sidereal Rotation Period $26 \mathrm{hr} /$ Standard Rotation, Axial Tilt 16 ${ }^{\circ}$, Atmosphere (Moderate): Nitrogen/Oxygen, Hydrosphere (71\%): Water, Lithosphere (1\%): Borax/Zinc/Silver, Biodensity 100\%, Categorical Temperature: Arctic to Searing, Light Vulcanism/No Seismicity/Moderate Global Weather, Value €-5,000.
- Surface Communities: 1 Metropolis, 2 Large Cities + smaller communities (Average Planetary Population 4,987,635 Terrans).
- Jump point at $L_{2}$ - Ella, Vearrier Quadrant, Sol Sector.
- Jump point at $\mathrm{L}_{4}$ - Canarus, Vearrier Quadrant, Sol Sector.
- Jump point at $\mathrm{L}_{3}$ - Pembroke, Grills Quadrant, Enigma Sector.
- Jump point at $L_{4}$ - Speradon, Grills Quadrant, Enigma Sector.
- Daedalion (Vespus 5), Gas Giant, 8.667 AU / First Quadrant.
- Jump point at $\mathrm{L}_{3}$ - Hillerman, Grills Quadrant, Enigma Sector.
- +2 less significant moonlets.
- Chione (Vespus 5.1), Rock Moon, Tidally Locked.
- Erytheia (Vespus 6), Gas Giant, 14.733 AU / Second Quadrant.
- +22 less significant moonlets.
- Aegle (Vespus 6.1), Frozen Moon, Tidally Locked.
- Arethusa (Vespus 6.2), Rock Moon, Tidally Locked.
- Erytheis (Vespus 6.3), Rock Moon, Tidally Locked.
- Hesperia (Vespus 6.4), Frozen Moon, Retrograde Rotation.


## Mission I: The Great Cardell Turkey Shoot

Each mission "begins" with a brief conversation between Bhopal's chief tech, Walter "Wingnut" Diring, and Lieutenant Colonel "Whistler" Risko. This text can either be used or ignored by the GM as they choose; should Whistler die during the course of the campaign, it should be ignored. It is meant as a means of adding a bit of flavor to the campaign and to convey parts of its story.

## Interlude

GM: TCS Bhopal, Main Hangar Bay, Dateline: 2669.187, 1243 Hours.
Whistler: Chief, wuddya' know?
Wingnut: Having Another Fine Navy Day. Your boys keep bringin' me back dinged up birds and my whole section of d.c. dinks have been assholes and elbows for three days straight now trying to keep 'em up and runnin'.

Whistler: You know, you really shouldn't swear in front of an officer...

Wingnut: Dilligaf, Colonel? I swear I keep it clean for the Skipper and our beloved XO. If I make an exception in your case, it's because you're not a total FOD who flails every time you go to take a combat dump. I'd appreciate it if you didn't mention those last two statements to the XO, of course...

Whistler (chuckling): Wouldn't dream of it.

Wingnut: So, what's the latest scuttlebutt on the Cats?
Whistler: Things are still pretty thick up by the Orsini jump point. Oriskany's bombers are slowly but surely thinning out the Cats. At least, that was the case up until about five minutes ago.

Wingnut: Lemme guess - you need your birds ready for yet another boondoggle.
Whistler: Yep. Think you can have 'em ready to go in twenty for once?
Wingnut: Just lemme know which ones and I'II see if I can get this bunch of no loads to bag 'em and tag 'em.

Whistler: Thanks, Chief.
Wingnut: No prob. Just make sure you flyboys bring 'em back intact for once...

## Briefing

The GM will begin the mission by reading the following text: GM: We begin in Fireball Squadron's ready room aboard TCS Bhopal, the remaining members of VF- 119 filing into the room. Fighting has been intense in the last few days; the weariness of the group is palpable, but so is their resolve. Lieutenant Colonel Risko, the ship's wing commander, strides up to the briefing podium. He begins speaking before he reaches it.

LCOL Risko: At ease, folks; we haven't got much time to spare for formalities on this one.
GM: The group as a whole settles into their seats.
LCOL Risko: Approximately twenty minutes ago, we received a report from a patrol off of our escort TCS Brak that a full Kilrathi battle group had been spotted in close proximity to the jump point to the Vespus star system. How they got past our defensive line is unclear, though we suspect they may have snuck in from Morpheus while our attention was on the main Kilrathi group near the Orsini jump point. That doesn't really matter at the moment; what does matter is that these ships are here and that they appear to be headed for Vespus. Our unit is in the area and Commodore Gillbard wants us to at least slow them down a bit. So here's the plan:

The Colonel brings up the mission map; the GM may show the map to the players if they wish.

LCOL Risko: We're here, approximately 100,000 kilometers from the Vespus jump point. We're stopped at the moment because we have a unique opportunity to try out a relatively new technology, a Confederation cruise missile. As you are all aware, the Kilrathi used a similar technology during the Battles of Sirius and Earth to devastating effect and they have reportedly adapted the technology for use against capital ships. The techies are still working out some of the kinks with our missiles but at the
 moment they represent our best chance of stopping the Kilrathi task group, located about five thousand klicks from the jump point at last report. In approximately five minutes, our Task Unit will launch the missiles we have available towards the Kilrathi group, with the objective of neutralizing as many enemy capital ships as possible. Even if the missiles had reliable tracking systems - which they don't - it's unknown how many would get shot down while trying to get through. That's where we come in. Rho Wing will consist of...

At this point the Colonel will list off the callsigns of the pilots assigned to the mission (the player characters). If the Colonel himself is amongst the players, he'll simply refer to "myself".

LCOL Blakely: Rho will be taking [Thunderbolts] out for this hop.
If Crossbows are selected, read the following text aloud: You will be escorted by Sigma Wing flying Thunderbolts.

Otherwise, read this text out loud: You will escort Sigma Wing in our contingent of Crossbows.
In all cases, continue reading here: / am vastly aware of the fact that the new Kilrathi fighter designs all easily outclass the 'bows, but at the moment they're all that we have as far as a reusable strike platform is concerned and we're fortunate to have them. The Crossbows will act as a main sensor platform for our missiles. Our missiles will launch and then link up with a pre-designated control ship; they will not accelerate to attack velocity until a final target has been selected. Rho and Sigma will fly together to the Kilrathi group, defend the missiles from any opposing forces and allow them to neutralize as many targets as possible. After the missiles have detonated, the Crossbows will make additional secondary strikes as necessary.

If Rho is flying Thunderbolts, read this text: Rho will be armed with torpedoes; feel free to join in the mop-up if the opportunity arises.

In all cases, continue reading here: There is a Confederation Task Unit already in the Vespus system, so we are not interested in a clean sweep. Once the missiles have detonated and all available torpedoes have been expended, disengage and get back to base as quickly as possible. Escort ships, keep the Cats off the 'bows at all costs. Stay sharp out there; let's everybody come home from this one. Pilots, man your planes; dismissed.

GM: Colonel Risko immediately steps down from the podium, the assigned pilots following immediately behind. Within minutes, Rho and Sigma Wings are given the go for launch.

## Mission Start

Disposition of Forces:

- Rho Wing (VF-119/Q)
- Sigma Wing (VF-119/R)
- Task Unit 68.18.3
- CA-495 TCS Bhopal(Tallahassee-class Cruiser)
- CL-398 TCS Zwedru (Savannah-class Light Cruiser)
- DD-1569 TCS Coimbra (Southampton-class Destroyer)
- DD-2384 TCS Brak (Southampton-class Destroyer)
- FF-2255 TCS Elysia (Caernaven-class Frigate)
- FF-2269 TCS Highland (Caernaven-class Frigate)

As the mission begins, the GM should read the following text aloud: Mot: Rho and Sigma Wings, this is your Mot speakin'. Be advised that we're launchin' our missiles now. Good luck out there; be sure to kick those bloody Cat wankers square in the bollocks for me, willya?

It will take approximately one minute for all the missiles to link up with their designated control craft. The number of missiles deployed will depend on the size of the Crossbow group, as follows:

- 2 Crossbows: 24 Missiles; each Crossbow controls 12 Missiles.
- 3 Crossbows: 24 Missiles; each Crossbow controls 8 Missiles.
- 4 Crossbows: 24 Missiles; each Crossbow controls 6 Missiles.
- 5 Crossbows: 25 Missiles; each Crossbow controls 5 Missiles.
- 6 Crossbows: 24 Missiles; each Crossbow controls 4 Missiles.
- 7 Crossbows: 28 Missiles; each Crossbow controls 4 Missiles.
- 8 Crossbows: 24 Missiles; each Crossbow controls 3 Missiles.

The missiles will travel at the same rate of speed as the Crossbows and will follow behind them at a range of 2,000 kilometers.

Rho and Sigma Wings will come across an inbound Kilrathi strike group at 35,000 kilometers from Bhopal. Three fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $1 \mathrm{~min}, 36 \mathrm{sec}$.
- Hellcats: Time of transit - $2 \mathrm{~min}, 32 \mathrm{sec}$.
- Thunderbolts: Time of transit - $2 \mathrm{~min}, 47 \mathrm{sec}$.
- Crossbows: Time of transit - $2 \mathrm{~min}, 55 \mathrm{sec}$.
- Stilettos: Time of transit - $1 \mathrm{~min}, 40 \mathrm{sec}$.


## Intercept (Hidden Nav)

Looks like the Cats had the same idea...
Disposition of Forces:

- Rho Wing (VF-119/Q)
- Sigma Wing (VF-119/R)
- Kilrathi Attack Group $\dagger$

| Encounter at Hidden Nav Point $\ddagger$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 1 Paktahn | 1 Pakłahn, 2 Darkets | 2 Paktahns, 1 Darket | 2 Paktahns, 3 Darkets | 2 Paktahns, 5 Darkets | 2 Paktahns, 7 Darkets | 3 Paktahns, 5 Darkets |
| Hellcats | 1 Paktahn, 1 Darket | 1 Paktahn, 3 Darkets | 2 Pakłahns, 2 Darkets | 1 Paktahn, 8 Darkets | 3 Paktahns, 3 Darkets | 3 Pakłahns, 5 Darkets | 4 Paktahns, 4 Darkets |
| Thunderbolts | 1 Paktahn, 2 Darkets | 2 Paktahns, 1 Darket | 2 Paktahns, 4 Darkets | 3 Paktahns, 3 Darkets | 3 Paktahns, 6 Darkets | 4 Paktahns, 5 Darkets | 4 Paktahns, 8 Darkets |

$\dagger$ In addition to all craft indicated, there are half-a-dozen capship missiles with the Kilrathi group. $\ddagger$ The disposition of the Kilrathi group will depend on the composition of the escort wing, regardless of the number of Crossbows present.

The GM should read the following text out loud: You're about 35,000 clicks from Bhopal when your radar lights up. Paktahns!! And it looks like the Cats have launched a capship missile strike of their own!!

Neither group is interested in a furball at this point, but both will quickly realize each other's intentions. The Darkets will go after the Confederation missiles for the first ten rounds of combat, after which their attention will switch to the Crossbows. If at any point a Paktahn comes under attack, the Darkets will switch over to pursue the attacker and will switch back to their previous target once it has been eliminated. The Paktahns will maneuver only to defend themselves, otherwise they'll continue on course. The same goes for the Kilrathi missiles. Note that the Kilrathi are not using Skippers at this point; they won't be revealed until later in the campaign.

It is assumed that any Paktahn or missile that leaves the encounter eventually makes it to the Confederation Task Group. At the end of the encounter, the GM should make a concealed 1d5 roll; the result is the number of missiles that are shot down in Bhopal's vicinity. Any remaining missiles will automatically destroy at least one craft in the group. A second roll may be done for the surviving Paktahns; a second concealed 1d5 roll should be made for each surviving Paktahn to determine the number of torpedoes that hit targets. To determine which ships are hit, the GM may make another concealed 1d5 roll and use the chart below.

- 1: Coimbra
- 2: Brak
- 3: Zwedru
- 4: Elysia
- 5: Highland
- Bhopa/ will replace all destroyed targets; its destruction will automatically end the campaign.

Nav 1 is 65,000 kilometers from the interception point. Five fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $2 \mathrm{~min}, 58 \mathrm{sec}$.
- Hellcats: Time of transit - $4 \mathrm{~min}, 43 \mathrm{sec}$.
- Thunderbolts: Time of transit - $5 \mathrm{~min}, 10 \mathrm{sec}$.
- Crossbows: Time of transit - $5 \mathrm{~min}, 25 \mathrm{sec}$.
- Stilettos: Time of transit - $3 \mathrm{~min}, 6 \mathrm{sec}$.


## Nav I

Smoke 'em if you see 'em...
Disposition of Forces:

- Rho Wing (VF-119/Q)
- Sigma Wing (VF-119/R)
- Beta Wing - (VF-69/B)
- 2 F-42 Hellcat Space Superiority Interceptors (piloted by Testes and Snakehead) $\dagger$
- Kilrathi Task Group
- 1 Bhantkara-class Super Carrier
- 2 Fralthi-I/-class Cruisers
- 2 Fralath-class Escort Cruisers
- 2 Ralaxath-class Heavy Destroyers
- 4 Ralarrad-class Light Destroyers
- 6 Kamrani-class Corvettes
- 4 Sha'kar-class Transports
- Kilrathi Combat Air Patrol

| Encounter at Nav 1 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 2 Dralthi | 2 Vaktoths | 1 Vaktoth, 3 Dralthi | 1 Vaktoth, 4 Dralthi | 1 Vaktoth, 5 Dralthi | 3 Vaktoths, 3 Dralthi | 3 Vaktoths, 4 Dralthi |
| Hellcats | 1 Vaktoth, 1 Dralthi | 4 Dralthi | 5 Dralthi | 2 Vaktoths, 3 Dralthi | 1 Vaktoth, 6 Dralthi | 3 Vaktoths, 4 Dralthi | 5 Vaktoths, 2 Dralthi |
| Thunderbolts | 3 Dralthi | 1 Vaktoth, 3 Dralthi | 2 Vaktoths, 3 Dralthi | 1 Vaktoth, 6 Dralthi | 2 Vaktoths, 6 Dralthi | 3 Vaktoths, 6 Dralthi | 7 Vaktoths, 1 Dralthi |

$\dagger$ The Hellcats begin the encounter with $50 \%$ of their maximum AHP in all arcs.
The GM should read the following text aloud: As the Kilrathi Battle Group comes into sight and blips of red start showing up on the radar, you receive a hail.

Testes: Strike Group, this is Bravo Wing. Be advised that the Cats started jumping hulls about six minutes ago; l've counted a Dubav and two heavy destroyers through so far with more lining up to go. Me and my wingman are getting slammed hard; we need to bug out. If you can spare some folks to cover us while we disengage, we'd sure appreciate it.

The Kilrathi aren't actually going to jump their whole force through - they're sending a heavy raiding group to attack Vespus. Most of the capships are there to guard the jump point and discourage pursuit. The next ship to attempt to jump will be one of the Fralaths, followed by two of the Ralarrads and ending with three of the Kamranis; no other ships will jump once these ships are through. The

Fralath is at the iump point already and each subsequent ship to jump will begin moving towards its position at the beginning of the encounter. The Fralath will jump through after three rounds and each subsequent ship will jump through at a rate of one ship every five rounds.

Every five rounds, the Bhantkara will launch two more fighters into the combat action. These will be Darkets, Dralthi or Vaktoths only. If the Bhantkara is destroyed, the Fralthi-// will take over this job, launching one fighter per minute (ten rounds). Both ships may only launch a number of fighters up to their standard compliment (minus what was present at the onset of the encounter and the ships that were encountered at the Interception point). The Bhantkara is not carrying Strakhas during this action and will not launch any Paktahns it may be carrying.

The enemy fighters already located at the jump point will go after Beta Wing for the first three rounds of combat before switching their focus onto the incoming missiles. Likewise, the capital ships will focus on eliminating the missiles over all other priorities. Bombers will be targeted next and escorts last.

To lock a missile onto a target, a Crossbow will need to target a Kilrathi ship and wait five rounds, during which time they may not target any other craft (though they may fire Guns if they are readied or if used as part of an Opportunity Attack). The ordnance will automatically lock on after five rounds are over; no check will be required. Missiles can be shot down before they are locked onto a target.

The players may retreat from this combat action at any point either by eliminating all enemy forces or by moving far enough away from the Kilrathi group. Though the point is to cause as much destruction as possible, the Kilrathi will not pursue the players past twenty range increments from the jump point. The GM should keep track of the total SI of the Kilrathi group as well as the number of torpedoes expended.

Bhopal is 100,000 kilometers from Nav 1. Seven fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $4 \mathrm{~min}, 34 \mathrm{sec}$.
- Hellcats: Time of transit - $7 \mathrm{~min}, 15 \mathrm{sec}$.
- Thunderbolts: Time of transit - $7 \mathrm{~min}, 56 \mathrm{sec}$.
- Crossbows: Time of transit - $8 \mathrm{~min}, 20 \mathrm{sec}$.
- Stilettos: Time of transit - $4 \mathrm{~min}, 46 \mathrm{sec}$.


## Mission End

Whether the Cats are dead or not, it's time to head back to the boat.
Disposition of Forces:

- Rho Wing (VF-119/Q)
- Sigma Wing (VF-119/R)
- Task Unit 68.18.3†
- The Task Unit will include all ships not destroyed after the Intercept point encounter.

The GM should read the following text aloud: As the ships of the Task Unit come back into sight, Bhopal hails you.

Mot: Well, I hope you boyos bagged the whole bloody shiteload of Cats. Those plonkers on Oriskany have evolved a royal leapex for our boat: we're going after the Cats that have already jumped with the ones you didn't bag still sittin' on the jump point!! Get aboard and have a kip; if our holes aren't all nip in the void an hour from now, you'll be out again today for sure.

Landing simply requires a successful Vehicle Piloting Check; pilots will bolter and have to make another attempt on a failed Check. On a critical failure of the Check, the player involved will have to make a Check for a Ramming action.

The GM does have the option of requiring the players to fly to Bhopal, but there's not much point in doing that other than for flavor and for prolonging the mission. Once the players are all on the deck, the GM may give whatever kind of improvised debriefing spiel they wish (as long as it's appropriate to the situation: positive for success, negative for failure).

Campaign Points are awarded for completing the following goals:

- 20 points: Kill Bhantkara.
- 10 points: Kill Fralthi-I/s/Fralaths.
- 8 Points: Zwedru survives.
- 5 Points: Kill Ralaxaths or Ralarrads; Coimbra and Brak survive.
- 2 Points: Kill Kamranis, Shakars or Paktahns; Elysia and Highland survive; each Crossbow that survives.
- 1 Point: Kill Darkets, Dralthi or Vaktoths; all other friendly fighters that survive.


## Mission 2: A Dance with the Devil

## Interlude

## Whistler: Chief, what's the damage?

If all fighters/bombers came out without permanent damage in Mission 1, read this: Wingnut: Not a single bird dinged; chalk that one up to some PFM on the part of you flyboys. I should complain more offen.

If at least one fighter/bomber had armor damage in Mission 1, read this: Wingnut: Pretty sure I mentioned something about making sure your boys didn't ding up any more of my birds. Might have to cann a couple to keep the rest running before everything's all said and done.

If at least one fighter/bomber suffered core damage in Mission 1, read this: Wingnut: Might have us a few new hangar queens to cann; only way I can think of to polish that particular turd.

In all cases, read here next: Wingnut: We'll have your birds tagged and bagged by the time you need 'em again. Hell of a ride we just went through; how's the group?

The GM should count up the total SI of the remaining Kilrathi capital ships from Mission 1. One ship in the Task Group is lost if the final SI is between 200,000-300,000 points, two ships are lost between 300,000-400,000 points and three ships are lost if the final SI is over 400,000 points. To determine what ships are destroyed, the GM may make a concealed 1d5 roll and use the chart below.

1. Coimbra
2. Brak
3. Zwedru
4. Elysia
5. Highland

If a ship is indicated to be destroyed that has already been destroyed, roll again. Read the following text: Whistler: Wound up losing [list the ships destroyed]. Could've been worse I suppose; they could've sent Paktahns after us while we were rigged for jump. Then we'd all been cooked as likely as not.

If no ships were destroyed, read this instead: Whistler: Got through a little cooked but everybody made it. Could've been a lot worse; they could've sent Paktahns after us while we were rigged for jump. Then we'd all been fragged as likely as not.

In either case, continue here: Wingnut: Could've sent Strakhas; then it would've been tarfu time. You see any of them?

Whistler: Now that you mention it, no.
Wingnut: Oh, that really gives me a warm and fuzzy...
Whistler: Yeah. l'd like to think we're just catching a break for once - no Strakhas, early detection of the enemy fleet after the jump - but that would be contrary to what I know about the Cats.

Wingnut: Yeah, that sounds like the beginnings of a nascent Charlie Foxtrot. Speaking of, Mot's been shooting off her mouth classifying our current evolution as a leapex.

Whistler: I wish, Chief... you know what'll happen if the Cats hit Vespus Prime, right?
Wingnut: Shit yeah... five million crosses in the ground, that's what...

## Briefing

If Coimbra has survived to this point, Goddess and Longlegs become available as selectable pilots at this point. If Brak has survived to this point, Testes and Snakehead become available as selectable pilots at this point.

The GM will begin the mission by reading the following text: GM: It's been ninety minutes since the last plane landed on the deck. Colonel Risko takes the podium, a sullen look on his face.

If one or more ships were destroyed in Mission 1, or if ships were lost between Mission 1 and Mission 2, begin with this text: Whistler: Well, this last hour could have been a hell of a lot better. No doubt by now you all have heard about the losses we've sustained. I've got a feeling that by this time is over we're going to need all the resources we can get our hands on - I don't want to lose any more capships. Our support is going to be limited for these next few hops, so I'll be expecting the very best out of every last one of you from here on out. Here's our sitrep.

Otherwise begin with this text: Alright people. First thing's first: because we might need them on a moment's notice, the flight wings from our escorts Coimbra and Brak have been transferred over temporarily. Now, I know this will mean a tighter than normal landing area on the deck. Deal with it.

Next: It has come to my attention that certain members of the Comms division have labeled our current operation a 'leapex'. Let me assure you that what we're doing is neither stupid nor useless; quite the contrary. It is true that we will have limited support for the next few hops; that just means that I'll expect the very best out of every last one of you. So with that out of the way, here's the sitrep.

The Colonel brings up the mission map; the GM may show the map to the players if they wish.

In either case, continue here: Whistler: We've made the jump to the Vespus system. Our current position is currently at this point, a little less than 0.15 AU from the system's primary in close proximity to the planet Lucifer. Our scanners have picked up the Kilrathi group at this point, approximately two hundred thousand klicks from our present location. Commodore Gillbard has ordered the Skipper to assume that the Kilrathi group in this system will attempt some kind of raid on Vespus Prime,


Mission 2 Map located about four-fifths of an AU from here. We know they jumped a pair of heavy destroyers; these ships are known to carry sixteen cruise missiles apiece, so their goal is likely to be to inflict heavy casualties on the planet's populace. Given the recent changes in Kilrathi strategy - namely their recent use of strontium-90 warheads - it is possible that they mean to render the planet completely uninhabitable. (beat) Our earlier intelligence was correct and there is a Confederation task unit in the area, but it turns out it's a small group of mostly older ships: the fleet carrier Concordia, a pair of old Gilgamesh-class destroyers and a transport. Concordia's currently serving as a training and patrol ship; most of her fighter squadrons have been reassigned to other active combat units. It's our understanding that they have at most an operational squadron of F-98s aboard. They might be useful for point defense of the planet, but naturally we don't want the Kilrathi to get anywhere close to Vespus if it can at all be helped. That's why we're here. Zeta Wing will consist of...

At this point the Colonel will list off the callsigns of the player characters. If the Colonel himself is amongst the players, he'll simply refer to "myself".

Whistler: You'll be flying [Hellcats] for this hop.
If Crossbows are selected and Testes and Snakehead are available, read this text: Whistler: Eta Wing, a pair of Hellcats from Brak, will be playing escort for your wing.

If any other fighter type is selected and Testes and Snakehead are available, read this text: Whistler: Zeta will be joined by two Hellcats based off of Brak.

If Crossbows are not selected in all cases, continue reading here: Whistler: You will be escorting Eta Wing, a trio of our Crossbows piloted by... The Colonel will list off the pilots flying the 'Bows; if he's among them, he'll simply refer to "myself".

In all cases, continue here: Whistler: Our mission is simple: we pinpoint the location of the raiders and eliminate them. Fortunately, the Cats seem to be making it easy on us for a change; we've picked up strong Kilrathi inter-ship communication signals roughly 200,000 klicks ahead of our position. We should assume there will be fighter cover; escorts, stick close to the bombers. Don't get drawn into a furball if you can help it. The lives of five million Confederation citizens may ride on whether or not we can intercept the Kilrathi before they reach striking distance. Let's do our job so we can get back to the main fight. Stay sharp out there. Squadron dismissed.

GM: The pilots stand to attention as the Colonel leaves the podium. Within minutes, Zeta and Eta Wings launch from Bhopal's flight deck.

## Mission Start

Disposition of Forces:

- Zeta Wing (VF-119/F)
- Task Unit 68.18.3

The GM should read the following text aloud: Lieutenant Sharvan comes on the comm almost as soon as you clear the tube.

Mot: Zeta Wing, your bogeys bear oh-three-five, demons twenty, range two hundred thousand klicks. Science Division says they're pickin' up some odd readin's from that general direction. Can't tell if there's any shenanigans goin' on or not, but you be watchin' out anyway.

Nav 1 is 200,000 kilometers from the Task Unit. Fourteen fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $9 \mathrm{~min}, 8 \mathrm{sec}$.
- Hellcats: Time of transit - $14 \mathrm{~min}, 30 \mathrm{sec}$.
- Thunderbolts: Time of transit - $15 \mathrm{~min}, 52 \mathrm{sec}$.
- Crossbows: Time of transit - $16 \mathrm{~min}, 40 \mathrm{sec}$.
- Stilettos: Time of transit - $9 \mathrm{~min}, 31 \mathrm{sec}$.


## Nav I

This is where the players get the first indication that something's not quite on the level.
Disposition of Forces:

- Zeta Wing (VF-119/F)
- Kilrathi Ambush Group $\dagger$

| Encounter at Nav 1 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 3 Strakhas | 4 Strakhas | 6 Strakhas | 7 Strakhas | 8 Strakhas | 10 Strakhas | 11 Strakhas |
| Hellcats | 3 Strakhas | 5 Strakhas | 6 Strakhas | 8 Strakhas | 10 Strakhas | 11 Strakhas | 13 Strakhas |
| Thunderbolts | 4 Strakhas | 6 Strakhas | 8 Strakhas | 10 Strakhas | 12 Strakhas | 14 Strakhas | 16 Strakhas |
| Crossbows | 1 Strakha | 1 Strakha | 1 Strakha | 2 Strakhas | 2 Strakhas | 3 Strakhas | 3 Strakhas |

$\dagger$ The Kilrathi only appear if the Confederation group decides to return to Bhopal.
The GM should read the following text aloud: As your nav computer clicks off, you begin scanning for the Kilrathi fleet but your scopes remain clear.

The characters may conduct a Technology Check at this point or contact Bhopa/ to get updated information on the interception point with the Kilrathi group. In either case, they'll receive information that the Kilrathi group is located another fifty thousand kilometers downrange and their navigational computers will be updated based on this information. In both cases, the characters and Bhopal are in fact picking up the transmissions of a Zartoth electronic warfare fighter whose purpose is to draw the Task Unit away from the real Kilrathi raiding group; the Kilrathi group is in fact nowhere nearby.

Any character may bring up the notion of there being a Zartoth out there playing tricks; the character of Testes will definitely do this if no one else does it first. At that point the flight leader may decide either to check to see if this can be discerned or not, or just proceed to the next nav point. If they elect to check, each pilot in the group will conduct a Distress Check with unfavorable circumstances to run an electronic counter-countermeasure (ECCM) routine. Successful Checks by two pilots in the flight will be sufficient to expose the ruse. Once exposed, Bhopa/ will order all fighters back to base.

Should the characters decide to return to base or are ordered to do so, the Kilrathi will launch one final delaying tactic: to ambush the characters with Strakha fighters. All characters will need to make Technology Checks; those who fail are subject to a surprise round against them. The Kilrathi will try to waste all the ships in the wing, focusing first on any Crossbows and then lighter fighters in the group. The enemy forces will be 10,000 kilometers behind the lead ship in the player group. The only way the characters can fail the mission at this point is if they all die.

Nav 2 is 50,000 kilometers from Nav 1. Four fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $2 \mathrm{~min}, 17 \mathrm{sec}$.
- Hellcats: Time of transit - $3 \mathrm{~min}, 37 \mathrm{sec}$.
- Thunderbolts: Time of transit - $3 \mathrm{~min}, 58 \mathrm{sec}$.
- Crossbows: Time of transit - $4 \mathrm{~min}, 10 \mathrm{sec}$.
- Stilettos: Time of transit - $2 \mathrm{~min}, 23 \mathrm{sec}$.

Bhopal is 200,000 kilometers away; a return at this point expends fourteen fuel points regardless of the fighter type:

- Arrows: Time of transit - $9 \mathrm{~min}, 8 \mathrm{sec}$.
- Hellcats: Time of transit - $14 \mathrm{~min}, 30 \mathrm{sec}$.
- Thunderbolts: Time of transit - $15 \mathrm{~min}, 52 \mathrm{sec}$.
- Crossbows: Time of transit - $16 \mathrm{~min}, 40 \mathrm{sec}$.
- Stilettos: Time of transit - $9 \mathrm{~min}, 31 \mathrm{sec}$.


## Nav 2

The Cats have moved the goal posts once again...
Disposition of Forces:

- Zeta Wing (VF-119/F)
- Kilrathi Ambush Group $\dagger$

| Encounter at Nav 2 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 4 Strakhas | 7 Strakhas | 9 Strakhas | 11 Strakhas | 13 Strakhas | 16 Strakhas | 18 Strakhas |
| Hellcats | 5 Strakhas | 8 Strakhas | 10 Strakhas | 13 Strakhas | 15 Strakhas | 18 Strakhas | 20 Strakhas |
| Thunderbolts | 6 Strakhas | 9 Strakhas | 12 Strakhas | 16 Strakhas | 19 Strakhas | 22 Strakhas | 24 Strakhas |
| Crossbows | 1 Strakha | 2 Strakhas | 2 Strakhas | 3 Strakhas | 4 Strakhas | 4 Strakhas | 5 Strakhas |

$\dagger$ The Kilrathi only appear if the Confederation group moves to return to Bhopal.
The GM should read the following text aloud: Your nav computer clicks off for nav two. Your scopes are once again clear.

The characters may conduct a Technology Check at this point or contact Bhopa/ to get updated information on the interception point with the Kilrathi group. In either case, they'll receive information that the Kilrathi group is located yet another fifty thousand kilometers downrange.

As with the first nav point, any character may bring up the notion of there being a Zartoth out there playing tricks; the character of Testes will definitely do this if no one else does it first (and will be more vehement about it than he was at Nav 1). At that point the flight leader may decide either to check to see if this can be discerned or not, or just proceed to the next nav point. If they elect to check, each pilot in the group will conduct a Distress Check with unfavorable circumstances to run an electronic counter-countermeasure (ECCM) routine. Successful Checks by two pilots in the flight will be sufficient to expose the ruse. Once the ruse is exposed, Bhopa/ will order all fighters back to base.

Should the characters decide to return to base or are ordered to do so, the Kilrathi will launch one final delaying tactic: to ambush the characters with Strakha fighters. All characters will need to make Technology Checks; those who fail are subject to a surprise round against them. The Kilrathi will try to waste all the fighters in the wing, focusing first on any Crossbows and then lighter fighters. The enemy forces will be 8,000 kilometers behind the lead ship in the player group. The only way the characters can fail the mission at this point is if they all die.

Nav 3 is 50,000 kilometers from Nav 2. Four fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $2 \mathrm{~min}, 17 \mathrm{sec}$.
- Hellcats: Time of transit - $3 \mathrm{~min}, 37 \mathrm{sec}$.
- Thunderbolts: Time of transit - $3 \mathrm{~min}, 58 \mathrm{sec}$.
- Crossbows: Time of transit - $4 \mathrm{~min}, 10 \mathrm{sec}$.
- Stilettos: Time of transit - $2 \mathrm{~min}, 23 \mathrm{sec}$.

Bhopal is 250,000 kilometers away; a return at this point expends seventeen fuel points regardless of the fighter type:

- Arrows: Time of transit - $11 \mathrm{~min}, 25 \mathrm{sec}$.
- Hellcats: Time of transit - $18 \mathrm{~min}, 7 \mathrm{sec}$.
- Thunderbolts: Time of transit - $19 \mathrm{~min}, 50 \mathrm{sec}$.
- Crossbows: Time of transit - $20 \mathrm{~min}, 50 \mathrm{sec}$.
- Stilettos: Time of transit - $11 \mathrm{~min}, 54 \mathrm{sec}$.


## Nav 3

A bit more of the same. Folks really oughta be getting suspicious at this point.
Disposition of Forces:

- Zeta Wing (VF-119/F)
- Kilrathi Ambush Group $\dagger$

| Encounter at Nav 3 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 6 Strakhas | 8 Strakhas | 11 Strakhas | 14 Strakhas | 17 Strakhas | 20 Strakhas | 22 Strakhas |
| Hellcats | 6 Strakhas | 10 Strakhas | 13 Strakhas | 16 Strakhas | 19 Strakhas | 22 Strakhas | 24 Strakhas |
| Thunderbolts | 8 Strakhas | 12 Strakhas | 16 Strakhas | 19 Strakhas | 23 Strakhas | 24 Strakhas | 24 Strakhas |
| Crossbows | 1 Strakha | 2 Strakhas | 3 Strakhas | 4 Strakhas | 4 Strakhas | 5 Strakhas | 6 Strakhas |

$\dagger$ The Kilrathi only appear if the Confederation group moves to return to Bhopal.
The GM should read the following text aloud: The void remains free of Kilrathi craft once again as your auto-pilot clicks off for Nav Three.

The characters may conduct a Technology Check at this point or contact Bhopa/ to get updated information on the interception point with the Kilrathi group. In either case, they'll receive information that the Kilrathi group is located yet another fifty thousand kilometers downrange. This is the last time the Zartoth will bother to try and fool the characters; should they proceed to the next nav point, it's guaranteed the Confederation group will not be able to catch up with the Kilrathi before they can launch a strike on Vespus Prime, which is their primary goal in the system.

As with the first two nav points, any character may bring up the notion of there being a Zartoth out there playing tricks; the character of Testes will definitely do this if no one else does it first (and will be practically insistent upon it at this point). At that point the flight leader may decide either to check to see if this can be discerned or not or just proceed to the next nav point. If they elect to check, each pilot in the group will conduct a Distress Check with unfavorable circumstances to run an electronic counter-countermeasure (ECCM) routine. Successful Checks by two pilots in the flight will be sufficient to expose the ruse. Once the ruse is exposed, Bhopa/ will order all fighters back to base.

Should the characters decide to return to base or are ordered to do so, the Kilrathi will launch one final delaying tactic: to ambush the characters with Strakha fighters. All characters will need to make Technology Checks; those who fail are subject to a surprise round against them. The Kilrathi will try to waste all the craft in the group, focusing first on any Crossbows and then lighter fighters. The enemy forces will be 5,000 kilometers behind the lead ship in the player group. The only way the characters can fail the mission at this point is if they all die.

The group will be ambushed 50,000 kilometers after Nav 3 . Four fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $2 \mathrm{~min}, 17 \mathrm{sec}$.
- Hellcats: Time of transit - $3 \mathrm{~min}, 37 \mathrm{sec}$.
- Thunderbolts: Time of transit - $3 \mathrm{~min}, 58 \mathrm{sec}$.
- Crossbows: Time of transit - $4 \mathrm{~min}, 10 \mathrm{sec}$.
- Stilettos: Time of transit-2 $2 \mathrm{~min}, 23 \mathrm{sec}$.

Bhopal is 300,000 kilometers away; a return at this point expends twenty fuel points regardless of the fighter type:

- Arrows: Time of transit - $13 \mathrm{~min}, 42 \mathrm{sec}$.
- Hellcats: Time of transit - $21 \mathrm{~min}, 44 \mathrm{sec}$.
- Thunderbolts: Time of transit - $23 \mathrm{~min}, 49 \mathrm{sec}$.
- Crossbows: Time of transit - $25 \mathrm{~min}, 0 \mathrm{sec}$.
- Stilettos: Time of transit - $14 \mathrm{~min}, 17 \mathrm{sec}$.


## Ambush (Nav 4)

This is where the characters find out that they've been on a wild goose chase. Hopefully they will survive and be able to return to base...

Disposition of Forces:

- Zeta Wing (VF-119/F)
- Kilrathi Ambush Group

| Encounter at Ambush Point |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 1 Zartoth, 7 Strakhas | 1 Zartoth, 10 Strakhas | 1 Zartoth, 14 Strakhas | 1 Zartoth, 17 Strakhas | 1 Zartoth, 21 Strakhas | 1 Zartoth, 24 Strakhas | 1 Zartoth, 24 Strakhas |
| Hellcats | 1 Zartoth, 8 Strakhas | 1 Zartoth, 12 Strakhas | 1 Zartoth, 16 Strakhas | 1 Zartoth, 20 Strakhas | 1 Zartoth, 24 Strakhas | 1 Zartoth, 24 Strakhas | 1 Zartoth, 24 Strakhas |
| Thunderbolts | 1 Zartoth, 10 Strakhas | 1 Zartoth, 15 Strakhas | 1 Zartoth, 19 Strakhas | 1 Zartoth, 24 Strakhas | 1 Zartoth, 24 Strakhas | 1 Zartoth, 24 Strakhas | 1 Zartoth, 24 Strakhas |
| Crossbows | 1 Zartoth, 2 Strakhas | 1 Zartoth, 3 Strakhas | 1 Zartoth, 4 Strakhas | 1 Zartoth, 5 Strakhas | 1 Zartoth, 5 Strakhas | 1 Zartoth, 6 Strakhas | 1 Zartoth, 7 Strakhas |

The GM should read the following text aloud: As your nav computer clicks off, your radar picks up one red dot immediately ahead of you. Moments later, the dot is joined by several others already on your tail!!!!.

The GM will then require all players to make a Technology Check. Any player who fails the Check will be subject to a surprise round against them. The enemy forces will be 3,000 kilometers behind the lead ship in the player group.

This is a simple ambush - the Kilrathi are going to try to waste everybody in the flight; they won't discriminate targets and they won't withdraw. As long as the Zartoth remains intact, all Kilrathi ships receive a conditional -10 EHD Bonus while all Confederation ships are subject to a +10 EHD penalty. As with the other nav points, the players can only fail the mission at this point if everybody dies.

Bhopal is 350,000 kilometers from the ambush point. 24 fuel points will be expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $15 \mathrm{~min}, 59 \mathrm{sec}$.
- Hellcats: Time of transit - $25 \mathrm{~min}, 22 \mathrm{sec}$.
- Thunderbolts: Time of transit - $27 \mathrm{~min}, 47 \mathrm{sec}$.
- Crossbows: Time of transit - $29 \mathrm{~min}, 10 \mathrm{sec}$.
- Stilettos: Time of transit - $16 \mathrm{~min}, 40 \mathrm{sec}$.


## Mission End

Time to head home. Hopefully the characters still have enough time to catch up to the Kilrathi...
Disposition of Forces:

- Zeta Wing (VF-119/F)
- Task Unit 68.18.3

The GM should read the following text aloud: As the ships of the Task Unit come back into sight, Bhopal hails you.

Mot: Well, the bowsies dodderin' around on the sensors really did it all arseways this time, Zeta. While we've all been foosterin' about, the Cats have been headin' straight for Vespus Prime; finally picked up the impulse signature of their real group about five minutes ago. We're goin' to have to get to leggin' it if we want a shot at stoppin' the Cats before they do anythin' nasty. You're cleared; buster your arses down to the deck.

Landing simply requires a successful Vehicle Piloting Check. Pilots will bolter and have to make another attempt on a failed Check. On a critical failure of the Check, the player involved will have to make a Check for a Ramming action.

The GM does have the option of requiring the players to fly to Bhopal, but there's not much point in doing that other than for flavor and prolonging the mission. Once the players are all on the deck, the GM may give whatever kind of improvised debriefing spiel they wish (as long as it's appropriate to the situation: positive for success, negative for failure).

If the characters total amount of time spent on the mission (including launch, navigating, fighting and landing) is less than 48 minutes and 16 seconds, the players will move on to Mission 3A; otherwise they will move to Mission 3B.:

Campaign Points are awarded for completing the following goals during this mission:

- 10 Points: For killing the Zartoth.
- 5 Points: For every Strakha killed.
- 2 Points: For every Crossbow that returns to Bhopal.
- 1 Point: For every other friendly fighter that returns to Bhopal.


## Mission 3A: Twisting the Tiger's Tail

## Interlude

Whistler: So what's the damage, Chief?
If no craft in Mission 2 suffered permanent damage, read here: Wingnut: Everything's ding-free and generally un-fucked. Just say the word and we can have any bird bagged, tagged and ready to skin Cat.

Whistler: Good to hear.
If at least one craft in Mission 2 suffered armor damage, read here: Wingnut: $A$ couple of the birds got brought back skosh on accumulated dings. Luckily we had a couple of extra armor plates lying around and we were able to un-fuck them.

Whistler: Good to hear.
Wingnut: I do seem to remember something about telling your boys not to ding up the birds so damn much.

Whistler: I'll relay the message again, not that the Cats give a good damn.
If at least one craft in Mission 2 suffered core damage, read here: Wingnut: I had to down-gripe several of the birds your boys brought back from their last joyride, on account of them being skosh on struts and reactor shielding.

Whistler: Bet that raised your suck meter.
Wingnut: Yeah. I seem to remember something about telling those rocks you've got in the wing not to ding up the birds so damn much.

Whistler: I'll relay the message again, not that the Cats give a good damn.
In all cases, continue here: Whistler: Where are we sitting on ordnance?
Wingnut: We've got about [number of torpedoes remaining] fish left for the entire boat. Keeping the 'Bows and 'Bolts loaded while leavin' enough for Tac to have somethin' to shoot is going to give me the redass before this is all said and done. Fuel too; doesn't help when the Cats send half the wing on a wild goose chase.

Whistler: Yeah...sorry about that.
Wingnut: Ain't your fault that Science division gooned it up. I heard the XO blew a shitter when they figured out you'd been chasing a Zartoth. That's one Cat l'm glad isn't still in the neighborhood. You think this tub can catch up to the Cats before they do something nasty?

Whistler: It's gonna be close, but I think so. Hope so anyway; those cruise missiles can be a right bastard to hit.

Whistler: Oh gee, thanks. You mentioned Strakhas before the last hop and they showed up...if I didn't know for a fact that the Cats don't have cloaked missiles, I'd be worried about seeing some show up on the next hop.

Wingnut: Well, I certainly hope you don't see any then. Because that would just make it Another Fine Navy Day, wouldn't it?

## Briefing

The GM will begin the mission by reading the following text: GM: It's been two and a half hours since the end of the last hop and once again Fireball Squadron has filed into their ready room. The squadron, weary as they are, comes to attention with a sense of determination as Lt. Colonel Risko ascends to the podium.

Whistler: Alright gentlemen, go ahead and be seated; we've got about fifteen minutes before our next launch, so we've got a little bit of time to talk. As you are all no doubt aware by now, the Cats tried to pull a fast one on us in our last hop. Fortunately, we detected their ruse early enough that the Task Unit could still affect an intercept. So, here's our sitrep. Computer, display Beta...

The Colonel brings up the mission map; the GM may show the map to the players if they wish.

Whistler: We're en route to this point near Nav 1, approximately one-tenth of an AU from Vespus Prime, which we estimate is the earliest point at which the Cats would be able to launch an extreme longrange missile strike on Vespus Prime. We should have no problems intercepting this force before they achieve striking distance. Beta Wing will consist of...

At this point the Colonel will list off the callsigns of the player characters. If the Colonel


Mission 3A Map
himself is amongst the players, he'll simply refer to "myself".
Whistler: Beta will be flying [Thunderbolts] for this hop.
If Crossbows are chosen, read this text: Whistler: Your task will be to neutralize as many of the enemy capital ships as you can. Just head out there, launch your ordnance and head back to the boat. Keep in mind that the Kilrathi will probably have a forward patrol established by the time you get out there, so watch for enemy fighters.

If Thunderbolts are chosen: Whistler: Your main task will be to neutralize as much of the enemy fighter cover as possible. Your birds will be armed with torpedoes for this hop; feel free to use them. Neutralizing enemy capital ships, particularly the Dubav, will go a long way towards curtailing further enemy activity in this system.

For all other fighter types, read this text: Whistler: Your main goal will be to neutralize as much of the enemy fighter cover as possible.

In all cases, continue reading here: Whistler: We've been able to confirm that Concordia and her escort, while they don't have strike craft at the moment, are carrying a compliment of torpedoes; that group is also currently heading towards the intercept point for the purposes of neutralizing the enemy capital ships. There is a risk that the enemy force may choose to turn their missiles on Concordia's group, so be alert; intercept any missile launched from the Kilrathi group. Try not to get bogged down in a furball if you can at all possibly avoid it. Good hunting. Squadron dismissed.

GM: The squadron comes to attention and begins filing out of the room. Launches begin shortly thereafter, with the assigned wing ready to go inside of fifteen minutes.

## Mission Start

Disposition of Forces:

- Beta Wing (VF-119/B)
- Task Unit 68.18.3

The GM should read the following text aloud: GM: Lieutenant Sharvan comes on the comm almost as soon as you clear the tube.

Mot: Beta, bogeys bearing three-two-niner, angels fifteen, range fifty kilo. Here's hopin' the Cats aren't on the doss this time. Good shootin'.

Nav 1 is 50,000 kilometers from the Task Unit. Four fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $2 \mathrm{~min}, 17 \mathrm{sec}$.
- Hellcats: Time of transit - $3 \mathrm{~min}, 37 \mathrm{sec}$.
- Thunderbolts: Time of transit - $3 \mathrm{~min}, 58 \mathrm{sec}$.
- Crossbows: Time of transit - $4 \mathrm{~min}, 10 \mathrm{sec}$.
- Stilettos: Time of transit - $2 \mathrm{~min}, 23 \mathrm{sec}$.


## Nav

The players get their first chance to change history here; if they want it, they're going to have to earn it.

Disposition of Forces:

- Beta Wing (VF-119/B)
- Kilrathi Raiding Group
- 1 Dubav-class Escort Carrier
- 1 Fralath-class Escort Cruiser $\dagger$
- 2 Ralaxath-class Heavy Destroyers $\dagger$
- 2 Ralarrad-class Light Destroyers
- 3 Kamrani-class Corvettes $\dagger$
$\dagger$ The indicated ships may or may not be present depending on whether or not they successfully jumped in Mission One.
- Kilrathi Combat Air Patrol $\ddagger$

| Encounter at Nav 1 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 3 Darkets, 1 Dralthi | 1 Darket, 4 Dralthi | 6 Darkets, 2 Dralthi | 1 Darket, 7 Dralthi | 6 Darkets, 5 Dralthi | 7 Darkets, 6 Dralthi | 8 Darkets, 7 Dralthi |
| Hellcats | 5 Darkets | 2 Darkets, 4 Dralthi | 7 Dralthi | 7 Darkets, 4 Dralthi | 8 Darkets, 5 Dralthi | 8 Darkets, 7 Dralthi | 8 Darkets, 8 Dralthi |
| Thunderbolts | 2 Darkets, 3 Dralthi | 5 Darkets, 3 Dralthi | 8 Darkets, 3 Dralthi | 4 Darkets, 8 Dralthi | 7 Darkets, 8 Dralthi | 8 Darkets, 8 Dralthi | 8 Darket, 8 Dralthi |
| Crossbows | 1 Darket | 2 Darkets | 1 Darket, 1 Dralthi | 2 Dralthi | 2 Darkets, 1 Dralthi | 4 Darkets | 2 Darkets, 2 Dralthi |

$\ddagger 2$ Vaktoths are also present regardless of the configuration of the rest of the CAP.
The GM should read the following text aloud: As your nav computer clicks off for the target area, red blips begin showing up on your radar. You're definitely in the right place this time; Kilrathi fighters, 10,000 meters and closing!!

The Kilrathi at this point are still hoping to conduct a long range missile strike and so will be acting to protect their missile launch platforms, in this case the Fralath and the destroyers (particularly the Ralaxaths). They will break off any other engagement to intercept any inbound torpedoes first and any bombers second. The Dubar will continue to launch craft at a rate of two craft every two rounds, starting with a pair of Darkets, then a pair of Dralthiand finally a pair of Vaktoths, alternating this cycle. When it has launched all of these craft, it will launch pairs of Strakhas left from Mission 2 until it is completely out of craft. Destroying the Dubar will prevent the launch of additional ships.

After fifty rounds of combat, the Kilrathi will be "in range" and begin launching missiles towards Vespus Prime; these will be Skipper Missiles in place of standard CSMs. These may be launched in any direction of the GM's choosing and will attempt to leave the encounter area.

Lt. Colonel Risko will sound a recall once all torpedo carrying craft have expended all their available heavy ordnance or after fifteen enemy fighters have been destroyed, whichever occurs first.

Bhopal is 50,000 kilometers from Nav 1. Four fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $2 \mathrm{~min}, 17 \mathrm{sec}$.
- Hellcats: Time of transit - $3 \mathrm{~min}, 37 \mathrm{sec}$.
- Thunderbolts: Time of transit - $3 \mathrm{~min}, 58 \mathrm{sec}$.
- Crossbows: Time of transit - $4 \mathrm{~min}, 10 \mathrm{sec}$.
- Stilettos: Time of transit - $2 \mathrm{~min}, 23 \mathrm{sec}$.


## Mission End

It's either time to celebrate the survival of Concordia or to get ready for the big show...
If at least one Kilrathi missile left the encounter, the GM should go ahead and calculate the number of campaign points earned for the mission and add it to the group's total before proceeding any further, as it will have a large bearing both on the next mission and the end mission text that is read.

Disposition of Forces:

- Beta Wing (VF-119/B)
- Task Unit 68.18.3

The GM should read the following text aloud: As the ships of the Task Unit come back into sight, Bhopal hails you.

If all the Kilrathi capital ships were destroyed and no Skippers left the combat zone, read this text aloud: Mot: Fair play, Beta!! Word from Concordia is that their nuggets have managed to mop up all the rest of the missiles; Captain Edwards sends her regards. The skinny's been sent to Command about their knick-knackin' cloaking capabilities; no doubt we'll all have to be watchin' out for them in the future. Come on in, Beta; high time we got back to the main show.

If all the Kilrathi capital ships were destroyed but at least one Skipper left the combat zone, read this text aloud: Mot: Hate to be the bearer of bad news Beta, but we just received word from Vespus that Concordia caught the edge of an EMP blast from one of the Cat missiles; apparently she went into the drink. Literally. The Skipper's ordered an SAR bird up to check for any survivors. I suppose the good news is that you've made bloody sure they aren't gonna be launchin' any more of the feckers today. The skinny's been sent to Command about the new knick-knackin' habit of Kilrathi missiles; no doubt we'll all have to be watchin' out for them in the future. Come on in, Beta; you've got a ResCAP job ahead of you...

Otherwise, read this text aloud: Mot: Howya, Beta. Hate to be the bearer of bad news, but we just received some scuttlebutt that a missile exploded in orbit awfully close to Concordia's last known position; we've tried to raise her and haven't had any luck so far. Meantime it looks like the Cats have secured from the idea of launching a long range attack; their survivin' ships are movin' in for a closer strike. Get back aboard; we're not done huntin' today, l'd wager.

Landing simply requires a successful Vehicle Piloting Check. Pilots will bolter and have to make another attempt on a failed Check. On a critical failure of the Check, the player involved will have to make a Check for a Ramming action.

The GM does have the option of requiring the players to fly to Bhopal, but there's not much point in doing that other than for flavor and prolonging the mission. Once the players are all on the deck, the GM may give whatever kind of improvised debriefing spiel they wish (as long as it's appropriate to the situation: positive for success, negative for failure).

If all the Kilrathi capital ships were destroyed, the players will proceed directly to Mission 5A regardless of their current campaign score. Otherwise, their campaign score will determine which mission they will face next; use the table below.

| Number of Accumulated Campaign Points Required to Proceed to Mission 4A |
| :--- |
| Number of Players Required Number of Campaign Points <br> $\mathbf{2}$ 150 <br> $\mathbf{3}$ 160 <br> 4 170 <br> $\mathbf{5}$ 180 <br> 6 190 <br> 7 200 <br> 8 210 |

If the players do not proceed to Mission 5A or Mission 4A, they will proceed directly to Mission 4B from here.

Campaign Points are awarded for completing the following goals during this mission:

- 50 Points: Destroy the Dubav.
- 20 Points: Destroy the Fralath.
- 10 Points: For each Ralaxath or Ralarrad destroyed.
- 5 Points: For each Kamrani destroyed.
- 2 Points: For each Strakha or Vatkoth destroyed, or for each deployed Crossbow that survives.
- 1 Point: For each Dralthi or Darket destroyed, or for each deployed non-Crossbow friendly fighter that survives.


## Mission 3B: Game of Shadows

## Interlude

Whistler: So what's the damage, Chief?

If no craft in Mission 2 suffered permanent damage, read here: Wingnut: Everything's ding-free and generally un-fucked. Just say the word and we can have any bird bagged, tagged and ready to skin Cat.

Whistler: Good to hear.

If at least one craft in Mission 2 suffered armor damage, read here: Wingnut: A couple of the birds got brought back skosh on accumulated dings. Luckily we had a couple of extra armored plates lying around and we were able to un-fuck them.

Whistler: Good to hear.

Wingnut: I do seem to remember something about telling your boys not to ding up the birds so damn much.

Whistler: I'll relay the message again, not that the Cats give a good damn.

If at least one craft in Mission 2 suffered core damage, read here: Wingnut: I had to down-gripe several of the birds your boys brought back from their last joyride, on account of them being skosh on struts and reactor shielding.

Whistler: Bet that raised your suck meter.
Wingnut: Yeah. I seem to remember something about telling those rocks you've got in the wing not to ding up the birds so damn much.

Whistler: I'll relay the message again, not that the Cats give a good damn.
In all cases, continue here: Whistler: Where are we sitting on ordnance?
Wingnut: We've got about [number of torpedoes remaining] fish left for the entire boat. Keeping the 'Bows and 'Bolts loaded while leavin' enough for Tac to have somethin' to shoot is going to give me the redass before this is all said and done. Fuel too; doesn't help when the Cats send half the wing on a wild goose chase.

Whistler: Yeah...sorry about that.
Wingnut: Ain't your fault that Science division gooned it up. I heard the XO blew a shitter when they figured out you'd been chasing a Zartoth. That's one Cat l'm glad isn't still in the neighborhood. You think this tub can catch up to the Cats before they do something nasty?

Whistler: No, they were able to get too much of a lead on us. We're going to be shooting down cruise missiles before the hour is out for sure. Raises my suck meter; those can be a right bastard to hit.

Wingnut: Could be worse, Colonel. They could be cloaked.
Whistler: Oh gee, thanks. You mentioned Strakhas before the last hop and they showed up...if I didn't know for a fact that the Cats don't have cloaked missiles, I'd be worried about seeing some show up on the next hop.

Wingnut: Well, I certainly hope you don't see any then. Because that would just make it Another Fine Navy Day, wouldn't it?

## Briefing

The GM will begin the mission by reading the following text: GM: It's been two and a half hours since the end of the last hop and once again Fireball Squadron has filed into their ready room. The squadron, weary as they are, comes to attention with a sense of determination as Colonel Risko ascends to the podium.

Whistler: Alright gentlemen, go ahead and be seated; we're on a tight time-frame once again. As you are all no doubt aware by now, the Cats tried to pull a fast one on us in our last hop. Unfortunately, they were successful, which has left the Task Unit scrambling to affect an intercept. Here's the current sitrep; computer, display Beta...

The Colonel brings up the mission map; the GM may show the map to the players if they wish.

Whistler: We're en route to this point approximately one-tenth of an $A \cup$ from Vespus Prime. We've detected the Kilrathi force in that general vicinity. While they haven't starting lobbing missiles yet, they could begin at any time. Some of you may have heard rumors that the Science Division picked up radiological signatures from the Cats. Those rumors are true; there is a high degree of likelihood that the Kilrathi have tipped their missiles with strontium-90 warheads. Obviously then, our main focus


Mission 3B Map is going to be on neutralizing the launch platforms. Beta Wing will consist of...

At this point the Colonel will list off the callsigns of the player characters. If the Colonel himself is amongst the players, he'll simply refer to "myself".

Whistler: Beta will be flying [Hellcats] for this hop.

If Crossbows are chosen, read this text: Whistler: Your task will be to neutralize as many of the enemy capital ships as you can. Just head out there, launch your ordnance and head back to the boat. Keep in mind that the Kilrathi will probably have a patrol established by the time you get out there, so watch for enemy fighters. If you can nail the carrier, great, but your priority targets should be the destroyers.

If Thunderbolts are chosen: Whistler: Your main task will be to neutralize as much of the enemy fighter cover as possible in order to clear the way for the main strike force. Your birds will be armed with torpedoes for this hop; feel free to use them. Neutralizing enemy capital ships, particularly the Dubav, will go a long way towards curtailing further enemy activity in this system.

For all other fighter types, read this text: Whistler: Your main goal will be to neutralize as much of the enemy fighter cover as possible in order to clear the way for the main strike force.

In all cases, continue reading here: Whistler: In addition, you will be intercepting as many missiles as you can. It's unlikely that we'll be in a position to catch them all, so Concordia will be hanging back to launch her fighters for planetary point defense duties. Try and catch as many as you can; the more we can nail here, the fewer traveling at terminal velocity those nuggets will have to worry about. We've been able to confirm that while Concordia does not have any strike craft aboard at the moment, her escorts are carrying a compliment of torpedoes; they are currently heading towards the Kilrathi group for the purposes of neutralizing the enemy capital ships. Try not to get bogged down in a furball if you can possibly avoid it. Good hunting. Squadron dismissed.

GM: The squadron comes to attention and begins filing out of the room. Launches begin shortly thereafter, with the assigned wing ready to go inside of fifteen minutes.

## Mission Start

Disposition of Forces:

- Beta Wing (VF-119/B)
- Task Unit 68.18.3

The GM should read the following text aloud: GM: Lieutenant Sharvan comes on the comm almost as soon as you clear the tube.

Mot: Beta, bandits are bearing three-two-niner, angels fifteen, range fifty kilo. Burn some of those manky gits for me, will 'ya?

Nav 1 is 50,000 kilometers from the Task Unit. Four fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $2 \mathrm{~min}, 17 \mathrm{sec}$.
- Hellcats: Time of transit - $3 \mathrm{~min}, 37 \mathrm{sec}$.
- Thunderbolts: Time of transit - $3 \mathrm{~min}, 58 \mathrm{sec}$.
- Crossbows: Time of transit - $4 \mathrm{~min}, 10 \mathrm{sec}$.
- Stilettos: Time of transit - $2 \mathrm{~min}, 23 \mathrm{sec}$.


## Nav I

The players get a chance to change history here, but they're going to have to fly nearly perfectly in order to earn it.

Disposition of Forces:

- Beta Wing (VF-119/B)
- Kilrathi Raiding Group
- 1 Dubav-class Escort Carrier
- 1 Fralath-class Escort Cruiser $\dagger$
- 2 Ralaxath-class Heavy Destroyers $\dagger$
- 2 Ralarrad-class Light Destroyers
- 3 Kamrani-class Corvettes $\dagger$
$\dagger$ The indicated ships may or may not be present depending on whether or not they successfully jumped in Mission One.
- Kilrathi Combat Air Patrol $\ddagger$

| Encounter at Nav 1 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 3 Dralthi | 3 Dralthi, 1 Vaktoth | 3 Dralthi, 2 Vakłoths | 6 Dralthi, 1 Vaktoth | 1 Dralthi, 5 Vaktoths | 1 Dralthi, 6 Vakłoths | 4 Dralthi, 5 Vaktoths |
| Hellcats | 2 Dralthi, 1 Vaktoth | 2 Dralthi, 2 Vaktoths | 7 Dralthi | 4 Dralthi, 3 Vaktoths | 4 Dralthi, 4 Vaktoths | 4 Dralthi, 5 Vaktoths | 1 Dralthi, 8 Vaktoths |
| Thunderbolts | 1 Dralthi, 2 Vaktoths | 3 Dralthi, 2 Vaktoths | 2 Dralthi, 4 Vaktoths | 4 Dralthi, 4 Vaktoths | 3 Dralthi, 6 Vaktoths | 5 Dralthi, 6 Vaktoths | 4 Dralthi, 8 Vaktoths |
| Crossbows | 1 Dralthi | 1 Dralthi | 1 Vaktoth | 2 Dralthi | 1 Dralthi, 1 Vaktoth | 1 Dralthi, 1 <br> Vaktoth | 2 Vaktoths |

$\ddagger 2$ Darkets are also present regardless of the configuration of the rest of the CAP.
The GM should read the following text aloud: As your nav computer clicks off for the target area, red blips begin showing up on your radar. Kilrathi fighters, 10,000 meters and closing!!

The Kilrathi will be actively protecting their missile launch platforms, in this case the Fralath and the destroyers (particularly the Ralaxaths). The patrol will break off from any other engagement to intercept inbound torpedoes first and bombers second. The Dubav will continue to launch craft into the action at a rate of two craft every two rounds, starting with a pair of Darkets, then a pair of Dralthi and finally a pair of Vaktoths, alternating this cycle. When it is out of these craft, it will launch pairs of any Strakhas left over from Mission 2 until it is completely out of craft. Destroying the Dubav will prevent the launch of additional fighters.

The Kilrathi will begin launching missiles towards Vespus Prime after five rounds of combat and will launch one missile every five rounds afterwards until they run out. These will be Skipper Missiles in place of standard CSMs. These may be launched in any direction of the GM's choosing and will attempt to leave the encounter area.

A recall will be sounded once all torpedo carrying craft have expended all their available heavy ordnance or after fifteen enemy fighters have been destroyed, whichever occurs first.

Bhopal is 50,000 kilometers from Nav 1. Four fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $2 \mathrm{~min}, 17 \mathrm{sec}$.
- Hellcats: Time of transit - $3 \mathrm{~min}, 37 \mathrm{sec}$.
- Thunderbolts: Time of transit - $3 \mathrm{~min}, 58 \mathrm{sec}$.
- Crossbows: Time of transit - $4 \mathrm{~min}, 10 \mathrm{sec}$.
- Stilettos: Time of transit - $2 \mathrm{~min}, 23 \mathrm{sec}$.


## Mission End

Time to head back and get ready for the big show...
Disposition of Forces:

- Beta Wing (VF-119/B)
- Task Unit 68.18.3

The GM should go ahead and calculate the number of campaign points earned for the mission and add it to the group's total before proceeding any further, as it will have a bearing both on the next mission and the end mission text that is read for this mission.

The GM should read the following text aloud: As the ships of the Task Unit come back into sight, Bhopal hails you.

If all the Kilrathi capital ships were destroyed, read this text aloud: Mot: Hate to be the bearer of bad news Beta, but we just received word from Vespus that Concordia caught the edge of an EMP blast from one of the Cat missiles; apparently she went into the drink. Literally. The Skipper's ordered an SAR bird up to check for any survivors. I suppose the good news is that you've made bloody sure they aren't gonna be launchin' any more of the feckers today. The skinny's been sent to Command about the new knick-knackin' habit of Kilrathi missiles; no doubt we'll all have to be watchin' out for them in the future. Come on in, Beta; you've got a ResCAP job ahead of you...

Otherwise, read this text aloud: Mot: Howya, Beta. Hate to be the bearer of bad news, but we just received some scuttlebutt that a missile exploded in orbit awfully close to Concordia's last known position; we've tried to raise her and haven't had any luck so far. Meantime it looks like the Cats have secured from the idea of launching a long range attack; their survivin' ships are movin' in for a closer strike. Get back aboard; we're not done huntin' today, l'd wager.

Landing simply requires a successful Vehicle Piloting Check. Pilots will bolter and have to make another attempt on a failed Check. On a critical failure of the Check, the player involved will have to make a Check for a Ramming action.

The GM does have the option of requiring the players to fly to Bhopal, but there's not much point in doing that other than for flavor and prolonging the mission. Once the players are all on the deck, the GM may give whatever kind of improvised debriefing spiel they wish (as long as it's appropriate to the situation: positive for success, negative for failure).

The next mission depends on the current campaign score; use the table below.

| Number of Accumulated Campaign Points Required to Proceed to the "A" Branch Mission |
| :--- |
| Number of Players Required Number of Campaign Points <br> $\mathbf{2}$ 175 <br> $\mathbf{3}$ 185 <br> $\mathbf{4}$ 195 <br> 5 205 <br> 6 215 <br> 7 225 <br> $\mathbf{8}$ 235 |

If all the Kilrathi capital ships were destroyed, the characters will proceed directly to Mission 5. If not, they will proceed to Mission 4. If the players do not proceed to the "A"-branch mission, they will proceed to the "B"-branch mission from here. (E.g. If all the Kilrathi ships were destroyed but the players have not managed to score a sufficient number of campaign points, they will proceed to Mission 5B from here.)

Campaign Points are awarded for completing the following goals during this mission:

- 50 Points: Destroy the Dubar.
- 20 Points: Destroy the Fralath.
- 10 Points: For each Ralaxath or Ralarrad destroyed.
- 5 Points: For each Kamrani destroyed.
- 2 Points: For each Strakha or Vatkoth destroyed, or for each deployed Crossbow that survives.
- 1 Point: For each Dralthi or Darket destroyed, or for each deployed non-Crossbow friendly fighter that survives.


## Mission 4A: Paradox

## Interlude

If Whistler flew in Mission 3 and returned with no permanent damage, start here: Wingnut: Well, lookie who thinks he's Sierra Hotel. Looks like you got away clean...

If Whistler flew in Mission 3 and returned with armor damage, start here: Wingnut: Gee, thanks for bringin' me back a dinged up bird, Colonel. Looks like things got hot out there...

If Whistler flew in Mission 3 and returned with core damage, start here: Wingnut: Damn. Glad to see you made it back in one piece, Colonel. And flyin' a brand new hangar queen, too...

In all other cases, start here: Whistler: Can it, Chief; l'm gonna need those same birds ready for wheels up in ten.

Wingnut: Ten? Shit... we're gonna have to haul ass just to get 'em bagged and tagged. Any of your boys who dinged their bird are going to have to go a'hasslin' with their bird still dinged...

Whistler: Just the way it ls, Chief.
Wingnut: Right. Increases the pucker factor that way. We're on it.

## Briefing

The GM will begin the mission by reading the following text: GM: It's been a mere twenty minutes since the end of the last mission. Fireball Squadron has once again been called to the ready room, the fatigue now palpable in the faces of all present. Lt. Colonel Risko enters the room, an exhausted but determined expression on his face as he strides to the podium, the squadron coming to attention.

Whistler: First thing, gentlemen: Concordia is still with us. She caught the edge of an EMP, which is why we weren't able to contact her for a while. So you all can relax; she's not our primary concern at the moment anyway. We've still got Cats to fry. Computer, display Theta.

The Colonel brings up the mission map; the GM may show the map to the players if they wish.

Whistler: The Cats have secured from their initial strike and have moved closer to the planet. Reports so far indicate that Concordia's fighters have kept the planet safe from incoming missiles and that most of the nuggets still have fully operational birds. Intel believes that the Kilrathi may still have a significant arsenal of cruise missiles at their disposal. However, with the losses they have sustained so far they cannot sustain operations in this system for much longer without re-supply. Latest word from the


Mission 4A Map brass in Cardell is that our Task Force has kept the Cats from getting any more ships through, so it's likely they're preparing to launch their final strike on the planet. To prevent this, Concordia and her escorts, a pair of old Gilgameshclass destroyers, are moving to intercept the Kilrathi group. Concordia's Phase-Transit Cannon may have been decommissioned shortly after the Battle of Earth, but she's still got a full load of torpedoes aboard and so do her escorts. That's what we need to take out the Cats. Theta Wing, consisting of the entire wing including myself, will have two jobs to do. We'll be flying [Thunderbolts] for this hop.

If Thunderbolts are selected for this mission, read here: Whistler: Your first job will be to support the strike. Your birds will have torpedoes, so go ahead and join in. Intercept any enemy fighter or bomber that is getting ready to make a run on the destroyers: you've got to keep them intact long enough to make their run. Second and more importantly, we're on missile intercept duty. If it looks like Concordia's forces need help intercepting a missile, you break and help them. This whole party will have been for nothing if so much as a single missile hits the planet.

If Crossbows are selected for this mission, read here: Whistler: Your main job will be to hit the enemy capships. If you can get them, do so; it'll make things a lot less dicey for our destroyers. Second and more importantly, you're on missile intercept duty. If it looks like Concordia's forces need help intercepting a missile, you break and help them. This whole party will have been for nothing if so much as a single missile hits the planet.

Otherwise, read here: Whistler: Your first job will be to support the strike. Intercept any enemy fighter or bomber that is getting ready to make a run on the destroyers: you've got to keep them intact long enough for them to take out the enemy capships. Second and more importantly, we're on missile intercept duty. If it looks like Concordia's forces need help intercepting a missile, you break and help them. This whole party will have been for nothing if so much as a single missile hits the planet.

If the Dubar was destroyed in Mission 3, read here: Whistler: Since we were able to take out the enemy escort carrier, you can expect light enemy fighter cover.

Otherwise, read here: Whistler: We know the Cats still have a flattop in the area, so expect a heavy enemy fighter presence.

If the same type of fighters were selected in the previous mission, read here: Whistler: Given the short turnaround time between this hop and the previous, the techs haven't had time to repair any battle damage to your birds. Wingnut's assured me that you'll at least have a full tank of gas and as full of a loadout as he can muster.

In all cases, finish here: Whistler: Gentlemen, I want a clean slate; don't come back to the boat until the Cats are either all splashed or they've run out of nasty pointy things to shoot at the planet. Fly smart and stay sharp. Squadron dismissed.

## Mission Start

Disposition of Forces:

- Theta Wing (VF-119/H)
- Task Unit 68.18.3

The GM should read the following text aloud: As you clear the launch tubes, your ears are treated to the dulcet tones of Lieutenant Sharvan's voice.

Mot: Theta Wing, bandits bearin' three-four-seven, demons six, range 150 kilo. The skinny from the combat zone is that the Cats have finalized their movement to attack position; your signal buster. Good luck skinnin' the Cats.

Nav 1 is 150,000 kilometers from the Task Group. Ten fuel points will be expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $6 \mathrm{~min}, 51 \mathrm{sec}$.
- Hellcats: Time of transit - $10 \mathrm{~min}, 52 \mathrm{sec}$.
- Thunderbolts: Time of transit - $11 \mathrm{~min}, 54 \mathrm{sec}$.
- Crossbows: Time of transit - $12 \mathrm{~min}, 30 \mathrm{sec}$.
- Stilettos: Time of transit - $7 \mathrm{~min}, 9 \mathrm{sec}$.


## Nav I

Time for the big showdown. Hope you brought a large group, or at least a change of underwear...
Disposition of Forces:

- Theta Wing (VF-119/H)
- Kilrathi Raider Group $\dagger$
- Kilrathi Fighter Escorts $\ddagger$
- Task Unit 31.1.1
- CV-65 TCS Concordia (Confederation-class Dreadnought)
- DD-1411 TCS Siduri (Gilgamesh-class Destroyer)
- DD-622 TCS Enlil (Gilgamesh-class Destroyer)
- AO-3487 TCS Chopin (Clarkson-class Transport)
- Task Unit 31.1.1 CAP
$\dagger$ The Kilrathi Raider Group will consist of whatever capital ships survived Mission 3A or Mission 3B, the original configuration of which was dependent upon the outcome of Mission 1. ¥The presence of the fighter escort is solely dependent upon whether or not the Dubav was destroyed in Mission 3A or 3B. If it was, there will be no Kilrathi fighters present. Otherwise, the Kilrathi CAP will consist of all the fighters left in the Dubav's arsenal that the players have not destroyed up to this point, regardless of the number of player characters in Theta Wing. Any remaining Strakhas will be in a bomber configuration, replacing their standard missile loadout with a pair of Torpedo Mk. IVs (6/416/2000). Use the Confederation Nugget template for the Phantom pilots.

The GM should read the following text aloud: As your Nav computer clicks off for Nav 1 and your radar lights up with a smattering of red and blue blips, a call comes over the comm.

CAPT Edwards: Theta Wing, this is Concordia. We're in position to begin our strike on the Kilrathi capital ship group. Hold off their fighters while we make our run.

The attention of the Kilrathi capital ships (except for the Corvettes) will be focused on the planet; they will launch as many Skippers as they can towards Vespus Prime, firing in staggered rounds (i.e. one ship will launch, another will launch the next round, and so forth). A given ship will wait a minimum of five rounds before launching another missile. A ship will only break off from attack operations if one of the three ships in Concordia's group approaches too closely or to defend itself from a torpedo run. The Kilrathi corvettes will make the Confederation capships their priority targets. If there are any Kilrathi fighters present, they will prioritize their targets based on their class. Darkets will escort any missiles launched towards Vespus and target any craft that is attempting to neutralize them. Vaktoths will pick off Crossbows first, Thunderbolts second and any other craft as the opportunity arises. Dralthi will attack any target of opportunity but will give particular priority to destroying any incoming torpedoes. Strakhas are going to be engaged in bombing operations, with Concordia as their main target and the destroyers next; if all three Confederation capital ships are destroyed, they will turn their attention to dogfighting.

The Confederation ships will target the destroyers first, starting with any Ralaxaths (as they carry the largest quantity of capship missiles). They will then turn their attention to the Dubav and the Fralath and save the corvettes for last (even though they represent the most direct threat to the Confederation capships themselves). The accompanying squadron of Phantoms will intercept capital ship missiles, breaking off pursuit only to defend themselves.

Bhopa/ is 150,000 kilometers from Nav 1. Ten fuel points will be expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $6 \mathrm{~min}, 51 \mathrm{sec}$.
- Hellcats: Time of transit - $10 \mathrm{~min}, 52 \mathrm{sec}$.
- Thunderbolts: Time of transit - $11 \mathrm{~min}, 54 \mathrm{sec}$.
- Crossbows: Time of transit - $12 \mathrm{~min}, 30 \mathrm{sec}$.
- Stilettos: Time of transit - $7 \mathrm{~min}, 9 \mathrm{sec}$.


## Mission End

With the Cats finally gone, it's time to head back to the boat and see if history has been re-written...

Disposition of Forces:

- Theta Wing (VF-119/H)
- Task Unit 68.18.3

The GM should read the following text aloud: As the ships of the Task Unit come back into sight, Bhopal hails you.

If all the Kilrathi ships were destroyed, read here: Mot: Howya, Theta. A/ways like to see folks what helped to make the Cats nice and fragged. Might finally get a chance for a break today, looks like.

If the Kilrathi ran out of missiles instead, read here: Mot: Well, looks like we managed to scatter those feckin' Cats; skinny is there's a surprise waitin' for 'em on the far side of the Cardell jump of the pyrotechnic kind. Not exactly the kind of victory you look for, but a win's a win.

If a missile hits Vespus Prime, read here: Mot: It's a bloody shame some of those feckin' missiles got through to the planet...we're already gettin' reports of massive casualties on the surface. Less what's said about that the better.

If Concordia survived, read here: Mot: Got a message from Concordia a short while ago; Captain Edwards sends her regards. The skinny's been sent to Command about the knick-knackin' cloakin' capabilities of the Cat missiles; no doubt we'll all have to be watchin' out for them in the future.

If Concordia did not survive, read here: Mot: The skipper's plannin' a memorial for those lost aboard Concordia today; goin' to be an all-hands affair from what I hear and not the kind where we all can get good and bolloxed either.

In all cases, finish here: Mot: Been a long day, Theta. Come on in.

Landing simply requires a successful Vehicle Piloting Check. Pilots will bolter and have to make another attempt on a failed Check. On a critical failure, the player involved will have to make a second Check for a Ramming action.

The GM does have the option of requiring the players to fly to Bhopal, but there's not much point in doing that other than for flavor and prolonging the mission. Once the players are all on the deck, the GM may give whatever kind of improvised debriefing spiel they wish (as long as it's appropriate to the situation: positive for success, negative for failure).

Campaign Points are rewarded for completing the following goals during this mission:

- 50 Points: Concordia survives.
- 20 Points: Destroy the Dubav, or for each Gilgamesh that survives.
- 10 Points: Destroy the Fralath, or if Chopin survives.
- 5 Points: For each Ralaxath or Ralarrad destroyed.
- 2 Points: For each Kamrani destroyed, or for each deployed Crossbow that survives.
- 1 Point: For each Kilrathi fighter destroyed, or for each deployed non-Crossbow that survives.

The final mission to which the players proceed depends on their final campaign score; use the table below.

| Number of Campaign Points Required to Proceed to Mission 5A |
| :--- |
| Number of Players Required Number of Campaign Points <br> $\mathbf{2}$ 250 <br> $\mathbf{3}$ 260 <br> $\mathbf{4}$ 270 <br> $\mathbf{5}$ 280 <br> 6 290 <br> $\mathbf{7}$ 300 <br> $\mathbf{8}$ 310 |

If the players do not have enough points to proceed to Mission 5A, they will proceed directly to Mission 5B from here.

## Mission 4B: The Deaths of Kings

## Interlude

If Whistler flew in Mission 3 and returned with no permanent damage, start here: Wingnut: Well, lookie who thinks he's Sierra Hotel. Looks like you got away clean...

If Whistler flew in Mission 3 and returned with armor damage, start here: Wingnut: Gee, thanks for bringin' me back a dinged up bird, Colonel. Looks like things got a little hot out there...

If Whistler flew in Mission 3 and returned with core damage, start here: Wingnut: Damn. Glad to see you made it back in one piece, Colonel. And flyin' a brand new hangar queen, too...

In all other cases, start here: Whistler: Haven't got time for chit-chat, Chief; l'm gonna need those same birds ready for wheels up in ten.

Wingnut: Ten? Shit...we're gonna have to haul ass just to get 'em bagged and tagged. Any of your boys who dinged their bird are going to have to go a'hasslin' with their bird still dinged...

Whistler: Just the way it is, Chief.
Wingnut: Right. Increases the pucker factor that way. We're on it.

## Briefing

The GM will begin the mission by reading the following text: GM: It's been a mere twenty minutes since the end of the last mission. Fireball Squadron has once again been called to their ready room, the fatigue now palpable in the faces of all present. Lt. Colonel Risko enters the room, a dour expression on his face as he strides to the podium, the squadron coming to attention.

Whistler: I have some bad news, gentlemen: we've lost contact with Concordia. Vespus Prime is still receiving a radar signature from her, so our best guess is that she caught an EMP burst either from a torpedo hit or capship missile detonation in close proximity to her hull. Ground telemetry puts her
orbital periapsis well within Vespus Prime's atmosphere. Whether or not she can restore power and pull up in time cannot be our primary concern right now; the Cats still in the area are. Computer, display Theta.

The Colonel brings up the mission map; the GM may show the map to the players if they wish.

Whistler: The Cats have secured from their initial strike and have moved closer to the planet. Reports indicate that Concordia's fighters have kept the planet safe from incoming missiles so far but that many of the nuggets are out of action at this point. Intel believes that the Kilrathi still have a significant arsenal of cruise missiles at their disposal. However, with the losses they have sustained so far they cannot sustain operations in this system for much longer without a resupply. The latest word from the brass


Mission 4B Map in Cardell is that our Task Force has kept the Cats from getting any more ships through, so it's likely the Cats are preparing to launch their final strike on the planet. To prevent this, Concordia's escorts are moving to intercept the Kilrathi fleet. They're a pair of old Gilgamesh -class destroyers, but they both happen to have a full load of torpedoes aboard and that's what we need to take out the Cats. Theta Wing, consisting of the entire wing, will have two jobs to do. We'll be flying [Thunderbolts] for this hop.

If Thunderbolts are selected for this mission, read here: Whistler: Our first job will be to support the strike. Our birds will have torpedoes, so go ahead and join the strike. Intercept any enemy fighter or bomber that is getting ready to make a run on the destroyers: we've got to keep them intact long enough for them to make their run. Second and more importantly, we're on missile intercept duty. If it looks like Concordia's remaining forces need help intercepting a missile, you break and help them. This whole party will have been for nothing so much as a single missile hits the planet.

If Crossbows are selected for this mission, read here: Whistler: Our main job will be to hit the enemy capships. If you can get them, do so; it'll make things a lot less dicey for our destroyers. Second and more importantly, we're on missile intercept duty. If it looks like Concordia's remaining forces need help intercepting a missile, you break and help them. This whole party will have been for nothing if so much as a single missile hits the planet.

Otherwise, read here: Whistler: Our first job will be to support the strike. Intercept any enemy fighter or bomber that is getting ready to make a run on the destroyers: we've got to keep them intact long enough for them to take out the enemy capships. Second and more importantly, we're on missile intercept duty. If it looks like Concordia's remaining forces need help intercepting a missile, you break and help them. This whole party will have been for nothing if so much as a single missile hits the planet.

If the Dubav was destroyed in Mission 3, read here: Whistler: Since we were able to take out the enemy escort carrier, we can expect light enemy fighter cover.

Otherwise, read here: Whistler: We know the Cats still have a flattop in the area, so we should expect a heavy enemy fighter presence.

In all cases, finish here: Whistler: Gentlemen, I want a clean slate this time; we won't come back to the boat until the Cats are either all splashed or have run out of nasty pointy things to shoot at the planet. Fly smart and stay sharp. Squadron dismissed.

GM: The squadron rises to attention as Whistler leaves. Five minutes later, the first elements of Theta Wing are shot out of the ship's launch tubes.

## Mission Start

Disposition of Forces:

- Theta Wing (VF-119/H)
- Task Unit 68.18.3

The GM should read the following text aloud: As you clear the launch tubes, your ears are treated to the dulcet tones of Lieutenant Sharvan's voice.

Mot: Theta Wing, bandits bearin' three-four-seven, demons six, range 150 kilo. The skinny from the combat zone is that Concordia's goin' down arse first into the planet's atmo; she's got power back but it's not enough to keep her out of the drink. The skipper's going to dispatch an Angel to see if there's anybody what took a ride in the spamcans - as if you ain't doin' enough already, be ready to perform ResCAP. Good luck out there.

Nav 1 is 150,000 kilometers from the Task Group. Ten fuel points will be expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $6 \mathrm{~min}, 51 \mathrm{sec}$.
- Hellcats: Time of transit - $10 \mathrm{~min}, 52 \mathrm{sec}$.
- Thunderbolts: Time of transit - $11 \mathrm{~min}, 54 \mathrm{sec}$.
- Crossbows: Time of transit - $12 \mathrm{~min}, 30 \mathrm{sec}$.
- Stilettos: Time of transit - $7 \mathrm{~min}, 9 \mathrm{sec}$.


## Nav I

Where we witness a dark day for the Confederation...
Disposition of Forces:

- Theta Wing (VF-119/H)
- Kilrathi Raider Group†
- Kilrathi Fighter Escor $\ddagger \ddagger$
- Task Unit 31.1.1
- DD-1411 TCS Siduri (Gilgamesh-class Destroyer)
- DD-622 TCS Enlii( Gilgamesh-class Destroyer)
- AO-3487 TCS Chopin (Clarkson-class Transport)
- Task Unit 31.1.1 CAP
- F-98 Phantom Medium Fighters $\times 4$ -
- SAR Flight
- SAR-13 Phoenix Shuttle
$\dagger$ The Kilrathi Raider Group will consist of whatever capital ships survived Mission 3A or Mission 3B, the original configuration of which was dependent upon the outcome of Mission 1. ¥The presence of the fighter escort is solely dependent upon whether or not the Dubav was destroyed in Mission 3A or 3B. If it was, there will be no Kilrathi fighters present. Otherwise, the escort group will consist of all the fighters left in its arsenal that the players have not destroyed up to this point (except for up to six Strakhas), regardless of the number of player characters in Theta Wing. Any remaining Strakhas will be in a bomber configuration, replacing their standard missile loadout with a pair of Torpedo Mk. IVs (6/4-16/2000). The Phantoms begin the encounter with OSHP and half their standard AHP. Use the Confederation Nugget template for their pilots. The shutle will enter the encounter ten rounds after it begins.

The GM should read the following text aloud: As your Nav computer clicks off for Nav 1 and your radar lights up with a smattering of red and blue blips, a frantic call comes over the comm.

Concordia: Mayday, mayday, mayday!! This is TCS Concordia; we are going in and breaking up!! Mayday, mayday, mayday, all Confederation ships please assist!!!

GM: The message cuts off not long afterwards, replaced by another.
Siduri (obviously shaken, but still determined): Theta Wing, this is TCS Siduri. We're in position to begin our strike on the Kilrathi capital ship group. Hold off their fighters while we make our run.

The attention of the Kilrathi capital ships (except for the corvettes) will be on the planet; they will launch as many Skippers as they can towards Vespus Prime, firing in staggered rounds (i.e. one ship will launch, another will launch the next round, and so forth). A given ship will wait a minimum of five rounds before launching another missile. A ship will only break off from attack operations to defend itself either from a bombing run or one of the Confederation destroyers. The Kilrathi corvettes will make the Confederation destroyers their priority targets, as will any remaining Strakhas. If there are any other Kilrathi fighters present, they will prioritize their targets based on their class. Darkets will escort any missiles launched towards Vespus and target any craft that is attempting to neutralize them. Vaktoths will pick off Crossbows first, Thunderbolts second and any other craft as opportunity arises. Dralthi will attack any target of opportunity but will give particular priority to destroying any incoming torpedoes. Once the shuttle arrives, any opposing Dralthi will move to intercept and engage it, with their anti-torpedo duties falling to the Darkets (at which point they will stop escorting missiles). The Cats will harass the shuttle until it is destroyed, at which point they'll return to their previous behaviors.

The Confederation destroyers will target the Kilrathi destroyers first, starting with any Ralaxaths (as they carry the largest quantity of capship missiles). They will then turn their attention to the Dubav and the Fralath and save the corvettes for last (even though they represent the most direct threat to the Confederation ships). The few accompanying Phantoms will intercept capital ship missiles, breaking off pursuit only to defend themselves. Once the shuttle enters the encounter, it will traverse its way from one end of the encounter to the other en route to Concordia, attempting to leave the encounter in the same general direction that the Kilrathi are shooting their missiles (for non-gridded combat, the shuttle remains in the encounter for thirty rounds). If it survives, it will pick up one Concordia survivor
for every five subsequent rounds of combat after it leaves the encounter. It will return as soon as all Kilrathi forces in the area have been neutralized.

Theta Wing will be ambushed 80,000 kilometers from Nav 1 (along with the shuttle if it survives). Six fuel points will be expended in the transit regardless of the fighter type. If the shuttle survives, the transit will take six minutes and forty seconds regardless of the fighter type; it will otherwise take as long as indicated below:

- Arrows: Time of transit - $3 \mathrm{~min}, 39 \mathrm{sec}$.
- Hellcats: Time of transit - $5 \mathrm{~min}, 48 \mathrm{sec}$.
- Thunderbolts: Time of transit - $6 \mathrm{~min}, 21 \mathrm{sec}$.
- Crossbows: Time of transit - $6 \mathrm{~min}, 40 \mathrm{sec}$.
- Stilettos: Time of transit - $3 \mathrm{~min}, 49 \mathrm{sec}$.


## Ambush

History says that nobody who was aboard Concordia survived that day...and the Cats are going to try and make absolutely sure that history is fulfilled. Fabric of the universe and all that, you know...

Disposition of Forces:

- Theta Wing (VF-119/H)
- SAR-13 Phoenix Shuttle
- 
- Strakha Medium Stealth Fighter, Uprated x6
\&The shuttle will only be present if it survived at Nav 1 .
The GM should read the following text aloud: You're about halfway back to Bhopal when your autopilot alarm sounds and your radar lights up with half a dozen red blips. Strakha fighters already on your tail!!!.

The GM will then require all players to make a Technology Check. Any player who fails the Check will be subject to a surprise round against them. The enemy forces will be 6,000 kilometers behind the shuttle or behind the lead pilot if the shuttle did not survive at Nav 1.

This is a simple ambush - the Kilrathi are going to try to waste everybody in the flight. They'll pay particular attention to the shuttle - not necessarily because they're rubbing in the fact that Concordia's been destroyed, iust because it's the slowest and most vulnerable target. The players can fail the mission at this point if they all die; the shuttle need not survive, but itll be awful depressing if it doesn't...

Bhopal is 70,000 kilometers from the point of the ambush. Five fuel points will be expended in the transit regardless of the fighter type. If the shuttle survives, the transit will take five minutes and fifty seconds; it will otherwise take as long as indicated below:

- Arrows: Time of transit - $3 \mathrm{~min}, 12 \mathrm{sec}$.
- Hellcats: Time of transit - $5 \mathrm{~min}, 4 \mathrm{sec}$.
- Thunderbolts: Time of transit - $5 \mathrm{~min}, 33 \mathrm{sec}$.
- Crossbows: Time of transit - $5 \mathrm{~min}, 50 \mathrm{sec}$.
- Stilettos: Time of transit - $3 \mathrm{~min}, 20 \mathrm{sec}$.


## Mission End

With the Cats finally gone, it's time to head back to the boat and see if history has merely unfolded as it should or if things are in fact a lot worse...

Disposition of Forces:

- Theta Wing (VF-119/H)
- Task Unit 68.18.3
- SAR-13 Phoenix Shuttlea
aThe shuttle will only be present if it survives both Nav 1 and the Ambush.
The GM should read the following text aloud: As the ships of the Unit come back into sight, Bhopal hails you.

If all the Kilrathi ships were destroyed, read here: Mot: Howya, Theta. Always like to see folks what helped to make the Cats nice and fragged. Might finally get a chance for a break today, looks like.

If the Kilrathi ran out of missiles instead, read here: Mot: Well, looks like we managed to scatter those feckin' Cats; skinny is there's a surprise waitin' for 'em on the far side of the Cardell jump point of the pyrotechnic kind. Not exactly the kind of victory you look for, but a win's a win.

If a missile hits Vespus Prime, read here: Mot: It's a bloody shame some of those feckin' missiles got through to the planet...we're already gettin' reports of massive casualties on the surface. Less what's said about that the better.

If the shuttle survived, read here: Mot: The Angel picked up some of Concordia's crew; not many, but some anyways. Aside from havin' their ship blown out from under them and havin' to spend time in the spamcans, they should be grand says sickbay.

If the shuttle did not survive, read here: Mot: I do wish we could've saved 'at least 'a few of Concordia's crew. Feckin' Cat wankers...

In all cases, finish here: Mot: The skipper's plannin' a memorial for those lost aboard Concordia today; goin' to be an all-hands affair from what I hear and not the kind where we all can get good and bolloxed either. Been a long day, Theta. Come on in.

Landing simply requires a successful Vehicle Piloting Check. Pilots will bolter and have to make another attempt on a failed Check. On a critical failure, the player involved will have to make a Check for a Ramming action.

The GM does have the option of requiring the players to fly to Bhopal, but there's not much point in doing that other than for flavor and prolonging the mission. Once the players are all on the deck, the GM may give whatever kind of improvised debriefing spiel they wish (as long as it's appropriate to the situation: positive for success, negative for failure).

Campaign Points are awarded for completing the following goals during this mission:

- 20 Points: Destroy the Dubav, or for each Gilgamesh that survives.
- 10 Points: Destroy the Fralath, or if Chopin survives.
- 5 Points: For each Ralaxath or Ralarrad destroyed.
- 2 Points: For each Kamrani destroyed, or for each capship missile destroyed, or for each deployed Crossbow that survives.
- 1 Point: For each Kilrathi fighter destroyed, or for each deployed non-Crossbow that survives, or for each Concordia survivor rescued.

The final mission to which the players proceed depends on their final campaign score; use the table below.

| Number of Campaign Points Required to Proceed to Mission 5A |
| :--- |
| Number of Players Required Number of Campaign Points <br> $\mathbf{2}$ 275 <br> $\mathbf{3}$ 285 <br> $\mathbf{4}$ 295 <br> $\mathbf{5}$ 305 <br> $\mathbf{6}$ 315 <br> $\mathbf{7}$ 325 <br> $\mathbf{8}$ 335 |

If the players do not have enough points to proceed to Mission 5A, they will proceed directly to Mission 5B from here.

## Mission 5A: Prelude to Orsini

## Interlude

Whistler: Chief, you look like you're in a relatively good mood for once.
Wingnut: Knowing all your birds are properly un-fucked and having an UnRep go without anybody dickin' the dog for once tends to lower the reading on one's suck meter. So what brings you to my hangar this Fine Navy Day?

Whistler: Nothin' much, just thought l'd spread the word that the Cats are finally buggin' out.
Wingnut: Out-fuckin'-standin'. We fixin' to give 'em a proper send-off?
Whistler: Yep.
Wingnut: Alrighty. You tell me which birds you're gonna want and we'll start baggin' 'em out.

## Briefing

The GM will begin the mission by reading the following text: GM: It has now been 24 hours since the last hop. Fireball Squadron, though still palpably tired after days of fighting, has had an opportunity for a brief respite and do not look quite as fatigued as they did the day before. The squadron comes to attention as Lt. Colonel Risko comes into the room and takes the podium. Calling the squadron at ease, Whistler begins the briefing.

Whistler: Well gentlemen, I hope you all were able to partake of the opportunity the Cats gave us for a little R\&R. Today it's back to work I'm afraid, but given how busy we've been these last several days, I don't think any of you will mind today's job. Here's the sitrep; Computer, display Xi.

The Colonel brings up the mission map; the GM may show the map to the players if they wish.

Whistler: We've jumped back to the Cardell system to meet up with the rest of the Task Group near the jump point to the Orsini system. While you've been asleep, elements from Okinawa have been running BarCAP for us and Oriskany's forces have been heavily engaging elements of the Kilrathi fleet. Latest word is that we've inflicted heavy damage on their Task Group in the area and that they are bugging out. We're to assist in their effort by giving the Cats the proper motivation to get their collective


Mission 5A Map asses out of this system. Xi Wing will consist of...

At this point the Colonel will list off the callsigns of the player characters. If the Colonel himself is amongst the players, he'll simply refer to "myself".

Whistler: You'll be flying [Thunderbolts] for this hop. Your job will to be to escort Omega Wing, a full squadron of Oriskany's Longbows, whose task it is to take out as many of the retreating Kilrathi capships as possible. Standard three-nav point escort drill, people: keep the fleabags off their backs and suppress enemy defenses if necessary.

If Thunderbolts or Crossbows are selected, read here: Whistler: You'll have torpedoes, so feel free to join in the fun if the situation looks good.

In all cases, finish here: Whistler: Omega is standing by for our launch; simply hook up with them once you're clear of Bhopal. We're looking to get in as many kills as we can here so that the Cats will think twice about sending any more ships this way. While the Brass might prefer a clean sweep, I don't want any of you people taking any unnecessary risks; if the situation turns sour, disengage and RTB. Stay sharp and come home. Squadron dismissed.

GM: The squadron comes to attention as Whistler leaves the room. The first few Xi Wing launches begin minutes later.

## Mission Start

Disposition of Forces:

- Xi Wing (VF-119/N)
- Omega Wing (VF-269/X)
- F/A-76 Longbow Heavy Bombers x 12
- Task Group 68.18
- Task Unit 68.18.1
- CV-51 TCS Oriskany (Yorktown-class Light Carrier)
- CL-310 TCS Ashgabat (Savannah-class Light Cruiser)
- DD-2326 TCS Isparta (Southampton-class Destroyer)
- DD-1544 TCS Hsinchu (Southampton-class Destroyer)
- FF-2317 TCS Anheuser (Caernaven-class Frigate)
- FF-2362 TCS Camo (Caernaven-class Frigate)
- Task Unit 68.18.2
- CVE-35 TCS Okinawa (Wake-class Escort Carrier)
- CA-326 TCS Funafuti (Tallahassee-class Cruiser)
- DD-2312 TCS Alofie (Southampton-class Destroyer)
- DD-2310 TCS Karlstadt (Southampton-class Destroyer)
- FF-2440 TCS Sin City (Caernaven-class Frigate)
- FF-1727 TCS Iron Hill (Caernaven-class Frigate)
- Task Unit 68.18.3
- Task Unit 68.18.4
- DD-2017 TCS Baqubah (Southampton-class Destroyer)
- DD-2189 TCS Taxco (Southampton-class Destroyer)
- AO-5583 TCS Lennon (Clarkson-class Transport)
- AO-5584 TCS McCartney (Clarkson-class Transport)
- AO-5585 TCS Harrison (Clarkson-class Transport)
- AO-5586 TCS Starr (Clarkson-class Transport)

The GM should read the following text aloud: As usual, Mot comes on the mouse as soon as you're clear of the launch tubes.

Mot: Xi and Omega, your first set of bandits are bearin'two-four-zero, angels 12, range 35,000 kilo. The projected positions of the others have been programmed into your nav computers. Good luck; kick those Cat wankers square in the bollocks for me.

Nav 1 is 35,000 kilometers from the Task Group. The transit takes three minutes and twenty seconds and three fuel points are expended regardless of the fighter type.

## Nav I

This couldn't possibly be a warm-up, could it?
Disposition of Forces:

- $\quad$ Xi Wing (VF-119/N)
- Omega Wing (VF-269/X)
- Kilrathi Task Unit
- Ralarrad-class Light Destroyer $\times 2 \dagger$
- Kamrani-class Corvette xl $\dagger$
- Kilrathi BarCAP Group

| Encounter at Nav 1 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 2 Darkets | 3 Darkets | 4 Darkets | Darkets | 6 Darkets | 5 Dralthi | 1 Darket, 5 Dralthi |
| Hellcats | 1 Darket, 1 Dralthi | 2 Darkets, 1 Dralthi | 3 Darkets, 1 Dralthi | 4 Dralthi | 7 Darkets | 1 Darket, 5 Dralthi | 5 Darkets, 3 Dralthi |
| Thunderbolts | 2 Dralthi | 3 Dralthi | 4 Dralthi | 7 Darkets | 7 Darkets, 1 Dralthi | 7 Darkets, 2 Dralthi | 7 Darket, 3 Dralthi |
| Crossbows | 1 Darket | 1 Darket | 1 Darket | 1 Dralthi | 1 Dralthi | 2 Darkets | 2 Darkets |

$\dagger$ All Kilrathi capital ships in this encounter have $25 \%$ their normal maximum AHP.
The GM should read the following text aloud: As your nav computer clicks off for the first nav point, your radar lights up with red blips! You see three Kilrathi capital ships dead ahead!!!

The Longbows will automatically prioritize the destruction of the destroyers first, but will target the corvette if requested by the players. The destroyers will be in full evasive mode, targeting Confederation craft as the opportunity arises but really just attempting to leave the area. The corvette will actively target and pursue the bombers as will the enemy fighters, targeting any escorts only if they are attacked first or if the opportunity presents itself. Only the fighter escort needs to be destroyed before the players can move on to the next nav point, though it will be impossible to complete the mission if none of the bombers survive (unless the players are flying Crossbows, of course).

Nav 2 is 35,000 kilometers from Nav 1 . If at least one Longbow survives, it will take three minutes and twenty seconds to reach the next nav point; otherwise it will take as long as indicated below. Three fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $1 \mathrm{~min}, 36 \mathrm{sec}$.
- Hellcats: Time of transit - $2 \mathrm{~min}, 32 \mathrm{sec}$.
- Thunderbolts: Time of transit - $2 \mathrm{~min}, 47 \mathrm{sec}$.
- Crossbows: Time of transit - $2 \mathrm{~min}, 55 \mathrm{sec}$.
- Stilettos: Time of transit - $1 \mathrm{~min}, 40 \mathrm{sec}$.


## Nav 2

The Cats may be down, but they're definitely not out. Yet.
Disposition of Forces:

- Xi Wing (VF-119/N)
- Omega Wing (VF-269/X) $\ddagger$
- Kilrathi Task Unit
- Fralthi-II-class Cruiser x $1 \dagger$
- Ralaxath-class Heavy Destroyer x2 $\dagger$
- Kamrani-class Corvette xl $\dagger$
- Kilrathi BarCAP Group

| Encounter at Nav 2 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 3 Darkets | 3 Vaktoths | 6 Darkets | 3 Darkets, 3 Vaktoths | 2 Darkets, 4 Vaktoths | 6 Darkets, 3 Vaktoths | 5 Darkets, 4 Vaktoths |
| Hellcats | 1 Darket, 1 Vaktoth | 3 Darkets, 2 Vaktoths | 7 Darkets | 4 Darkets, 3 Vaktoths | 1 Darket, 5 Vaktoths | 5 Darkets, 4 Vaktoths | 2 Darkets, 6 Vaktoths |
| Thunderbolts | 2 Darkets, 1 <br> Vaktoth | 4 Darkets, 1 Vaktoth | 6 Darkets, 1 Vaktoth | 1 Darket, 4 Vaktoths | 8 Darkets, 2 <br> Vaktoths | 3 Darkets, 5 Vaktoths | 5 Darkets, 5 Vaktoths |
| Crossbows | 1 Darket | 1 Darket | 2 Darkets | 2 Darkets | 1 Vaktoth | 3 Darkets | 1 Darket, 1 Vaktoth |

$\dagger$ All Kilrathi capital ships in this encounter have $25 \%$ their normal maximum AHP. $\ddagger$ Omega Wing is only present if at least one Longbow has survived up to this point.

The GM should read the following text aloud: Your nav computer clicks off for the next nav point. You spot more Kilrathi capships ahead as your radar lights up!!!

This one's pretty much the same as Nav 1; the destroyers are the first target for the Longbows, with the cruiser targeted third and the corvette being targeted last (unless requested otherwise). The main difference is that the cruiser does have its own fighter wing; it will launch two new craft every five rounds - a pair of Dralthi first, then a pair of Vaktoths and finally a pair of Darkets, cycling between the three - up to a maximum of eight of each type of craft launched. Taking out the cruiser will prevent further launches. Again, the heavy capital ships are attempting to evade and leave the area, while the corvette and escorting fighters will actively target and pursue the bombers and target escorts only if they are attacked first or if the opportunity presents itself. Only the fighter escort needs to be destroyed before the players can move on to the next nav point, though it will be impossible to complete the mission if none of the bombers survive (unless the players are flying Crossbows, of course).

Nav 3 is 35,000 kilometers from Nav 2. If at least one Longbow survives, it will take three minutes and twenty seconds to reach the next nav point; otherwise it will take as long as indicated below. Three fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $1 \mathrm{~min}, 36 \mathrm{sec}$.
- Hellcats: Time of transit - $2 \mathrm{~min}, 32 \mathrm{sec}$.
- Thunderbolts: Time of transit - $2 \mathrm{~min}, 47 \mathrm{sec}$.
- Crossbows: Time of transit - $2 \mathrm{~min}, 55 \mathrm{sec}$.
- Stilettos: Time of transit - $1 \mathrm{~min}, 40 \mathrm{sec}$.


## Nav 3

Just in case the bombers haven't had ample opportunity to shoot off their torpedoes yet...
Disposition of Forces:

- Xi Wing (VF-119/N)
- Omega Wing (VF-269/X) $\ddagger$
- Kilrathi Task Unit
- Bhantkara-class Super Carrier x1 $\dagger$
- Fralath-class Escort Cruiser x1 $\dagger$
- Fralthi-I/-class Cruiser xl $\dagger$
- Kamrani-class Corvette x $1 \dagger$
- Kilrathi BarCAP Group

Encounter at Nav 3

| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arrows/Stilettos | 1 Dralthi, 1 Vaktoth | 2 Dralthi, 1 Vaktoth | 3 Dralthi, 1 Vaktoth | 1 Dralthi, 3 Vaktoths | 7 Dralthi | 5 Dralthi, 2 Vaktoths | 3 Dralthi, 4 Vaktoths |
| Hellcats | 1 Dralthi, 1 Vakłoth | 4 Dralthi | 2 Dralthi, 2 Vaktoths | 2 Dralthi, 3 Vaktoths | 5 Vaktoths | 3 Dralthi, 4 Vaktoths | 1 Dralthi, 6 Vaktoths |
| Thunderbolts | 2 Vaktoths | 3 Vaktoths | 5 Dralthi, 1 Vaktoth | 5 Dralthi, 2 Vaktoths | 5 Dralthi, 3 Vaktoths | 5 Dralthi, 4 Vaktoths | 5 Dralthi, 5 Vaktoth |
| Crossbows | 1 Dralthi | 1 Dralthi | 1 Dralthi | 1 Vaktoth | 2 Dralthi | 2 Dralthi | 1 Dralthi, 1 Vaktoth |

$\dagger$ All Kilrathi capital ships in this encounter have $50 \%$ their normal maximum AHP. $\ddagger$ Omega Wing is only present if at least one Longbow has survived up to this point.

The GM should read the following text aloud: You spot a Kilrathi carrier ahead even before your nav computer clicks off and your radar lights up!!!

The Longbows will go for the carrier first in this encounter, followed up by the Fralthi, then the Fralath and finally the Kamrani (again, the players can override this targeting order on request). The Bhantkara has been deploying the fighters the players have been coming up against, so it will not launch any additional fighters. The Fralthi, however, will launch additional fighters in the same sequence and frequency as the cruiser at Nav 2. The Fralath will join the Kamrani and escorts in antibomber operations, actively targeting and pursuing the bombers. The Kamrani and fighters will target escorts only if they are attacked first or if the opportunity presents itself, while the Fralath will shoot at anything that comes into range. Only the fighter escort needs to be destroyed before the players can return to Bhopal.

Bhopal is 35,000 kilometers from Nav 3. If at least one Longbow survives, it will take three minutes and twenty seconds to reach Bhopal; otherwise it will take as long as indicated below. Three fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $1 \mathrm{~min}, 36 \mathrm{sec}$.
- Hellcats: Time of transit - $2 \mathrm{~min}, 32 \mathrm{sec}$.
- Thunderbolts: Time of transit - $2 \mathrm{~min}, 47 \mathrm{sec}$.
- Crossbows: Time of transit - $2 \mathrm{~min}, 55 \mathrm{sec}$.
- Stilettos: Time of transit - $1 \mathrm{~min}, 40 \mathrm{sec}$.


## Mission End

Time to call it a campaign, win or lose.
Disposition of Forces:

- Xi Wing (VF-119/N)
- Omega Wing (VF-269/X) $\ddagger$
- Task Group 68.18
$\ddagger$ Omega Wing is only present if at least one Longbow has survived up to this point.

The GM should read the following text aloud: As the ships of the Task Group come back into sight, Bhopal hails you.

If all the Kilrathi capital ships were destroyed, read the following text aloud. Mot: Fair play, Xi and Omega!! Way to put a feckin' huge knot in their tails. Bet itll be a while before those wankers think about headin' this way again.

If at least six capital ships were destroyed, read the following text aloud. Mot: Welcome back, Xi and Omega! It'll be a while before those wankers think about headin' this way again, I betcha.

If no more than five capital ships were destroyed, read the following text aloud. Mot: Welcome back, $X i$ and Omega. I guess the escorts were a wee bit stronger than we expected, huh?

In all cases, read the following text aloud. Mot: We got the skinny from the brass that our forces in the Morpheus system have got the Cats on the run. Our next party is gonna be to help our boys out, no doubt. In any case, you've done good today. Board's green: bring 'em on in.

Landing simply requires a successful Vehicle Piloting Check. Pilots will bolter and have to make another attempt on a failed Check. On a critical failure, the player involved will have to make a Check for a Ramming action.

The GM does have the option of requiring the players to fly to Bhopal, but there's not much point in doing that other than for flavor and prolonging the mission. Once the players are all on the deck, the GM may give whatever kind of improvised debriefing spiel they wish (as long as it's appropriate to the situation: positive for success, negative for failure).

If Concordia survives the campaign, the GM should read the following text aloud: Meanwhile...in the McAuliffe System, technicians and engineers scramble to refit Concordia for her new assignment: flagship of the Behemoth battle group. Admiral Tolwyn meets with Colonel Christopher Blair informing him of his reassignment to Concordia, effective immediately...

Otherwise, the GM should read the following text aloud: Meanwhile...at Fleet Headquarters over Jupiter, Admiral Tolwyn meets with Colonel Christopher Blair informing him of his reassignment to TCS Victory, setting the stage for the initial deployment of the Behemoth project...

## Mission 5B: Rats from a Sinking Ship

## Interlude

Wingnut: Colonel, what brings you down here to brighten yet Another Fine Navy Day?
Whistler: Cut it for once, Chief; we're getting ready to bug out.
Wingnut: What? And leave the whole Ella system behind? What about the base?
Whistler: They're bugging out too and the chances of everybody making it isn't looking good. Damn Cats broke through our defenses; they've already started jumpin' hulls into the system.

Wingnut: Loading 50,000 people onto not enough 'sports l'd wager. I'd say that qualifies as a tarfu...

Whistler: We go $G Q$ in two minutes.
Wingnut: Right. I'II get the whole wing bagged and tagged right away.
GM: Whistler heads off towards the briefing room at a trot.
Wingnut (yelling at deck crew): Alright you no-load earth sacks, quit gettin' slant-eyed and get to work; I want all the birds we got tagged, bagged and ready to skin Cats now!! We got a grade tripleA Charlie Foxtrot in progress!! Move it!!

## Briefing

The GM will begin the mission by reading the following text: GM: It's been two days since the previous mission. The ship has just gone to General Quarters and the mood is tense in pilot country as Lt. Colonel Risko takes the podium.

Whistler: Alright folks, we haven't got a lot of time to chit chat on this one. As you are all aware by now, the Cats jumped another full Task Group to Cardell a few hours after we finished mopping up over Vespus and annihilated the rest of our Task Group. Our Unit only survived because we were ordered to pull a U-turn and retreat to Ella before we jumped back to Cardell. I'm sorry to say that our efforts to protect the colony on Vespus were for naught; the Kilrathi invaded the planet early this morning. HQ is mustering a Task Group to intersect the Cats, but it won't arrive in the area in time to prevent the Cats from penetrating deep into the Ella system. They have therefore ordered a complete evacuation of Ella Station and we've been ordered to assist. Computer, display Xi.

The Colonel brings up the mission map; the GM may show the map to the players if they wish.

Whistler: We're here, approximately 600,000 clicks from Ella. The plan is to rendezvous with several groups of transports at Navs 1, 3 and 4 and escort them to the Talos jump point near Nav 2. The Task Unit will meantime be heading towards the Talos jump point and should be there by the time we retrieve the third transport group. Once all the transport groups are away and we've landed, the Task Unit will jump and head to rendezvous with the Confederation Task Group in Talos. Unfortunately, the Cats have already jumped


Mission 5B Map into the system, reportedly with some bear. Since we may need to change our plans on a moment's notice, I'm making this a magnum launch; we're all up for this one and we'll be flying [Thunderbolts]. Wheels up in ten minutes. Squadron dismissed.

## Mission Start

Disposition of Forces:

- $\quad X_{i}$ Wing (VF-119/N)
- Task Unit 68.18.3

The GM should read the following text aloud: GM: Mot comes over the comm lines as you clear the launch tubes.

Mot: Xi Wing, this is your Mot. We can't raise our picket at the Vespus jump point and we're pickin' up a bunch of gibberish coded in Cat. It's lookin' like a major Cat op is evolvin' and the Skipper wants to make sure our exit doesn't get banjaxed. You're to head to the jump point even if all your lambs are lost says the Skipper; pray it doesn't go that way. Good luck out there.

Nav 1 is 250,000 kilometers from the Task Unit. Seven fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $11 \mathrm{~min}, 25 \mathrm{sec}$.
- Hellcats: Time of transit - $18 \mathrm{~min}, 7 \mathrm{sec}$.
- Thunderbolts: Time of transit - $19 \mathrm{~min}, 50 \mathrm{sec}$.
- Crossbows: Time of transit - $20 \mathrm{~min}, 50 \mathrm{sec}$.
- Stileftos: Time of transit - $11 \mathrm{~min}, 54 \mathrm{sec}$.


## Nav I

Naturally, the Cats have already found the transports and are trying to waste them...
Disposition of Forces:

- $\quad$ Xi Wing (VF-119/N)
- Little Ol' Cowgirl Convoy
- AO-3945 TCS Lynch (Clarkson-class Transport)
- AO-3946 TCS Macy (Clarkson-class Transport)
- AO-3947 TCS Maguire (Clarkson-class Transport)
- AO-3948 TCS Robison (Clarkson-class Transport)
- AO-3949 TCS Maines (Clarkson-class Transport)
- Kilrathi Strike Wing

Encounter at Nav 1

| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arrows/Stilettos | 1 Paktahn, 1 Dralthi | 2 Paktahns | 1 Paktahn, 4 Dralthi | 2 Paktahns, 3 Dralthi | 3 Paktahns, 2 Dralthi | 4 Pakłahns, 1 Dralthi | 5 Paktahns |
| Hellcats | 1 Paktahn, 1 Dralthi | 1 Paktahn, 3 Dralthi | 1 Paktahn, 5 Dralthi | 2 Paktahns, 4 Dralthi | 2 Paktahns, 6 Dralthi | 5 Paktahns | 5 Paktahns, 2 Dralthi |
| Thunderbolts | 1 Paktahn, 2 Dralthi | 1 Paktahn, 4 Dralthi | 2 Paktahns, 4 Dralthi | 4 Paktahns, 1 Dralthi | 3 Paktahns, 6 Dralthi | 3 Paktahns, 8 Dralthi | 7 Paktahns |
| Crossbows | 1 Paktahn | 1 Paktahn | 1 Paktahn | 1 Paktahn | 1 Paktahn | 1 Paktahn | 1 Paktahn, 1 Dralthi |

The GM should read the following text aloud: GM: As your nav computer clicks off for the first nav point, your radar lights up with five big blue blips...and a number of red ones!! Kilrathi bombers!!!

Fairly straightforward encounter here: the Paktahns will focus on wasting the transports while the Dralthi will protect the Paktahns. Dralthi will attempt to take out the defenses on the transports if the opportunity arises. The Cats will pull back when the bombers run out of torpedoes or after they waste all the transports. All Kilrathi craft must be destroyed before the players may progress to the next Nav Point.

Xi Wing and the remaining transports will be ambushed 350,000 kilometers from Nav 1. The transit will require 58 minutes and 20 seconds and 24 fuel points are expended in the transit regardless of the fighter type.

## Ambush (Hidden Nav One)

Don't you just hate escort missions?
Disposition of Forces:

- Xi Wing (VF-119/N)
- Little Ol' Cowgirl Convoy $\ddagger$
- Ambush Group $\dagger$

| Encounter at Ambush Point |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 7 Strakhas | 10 Strakhas | 14 Strakhas | 17 Strakhas | 21 Strakhas | 24 Strakhas | 24 Strakhas |
| Hellcats | 8 Strakhas | 12 Strakhas | 16 Strakhas | 20 Strakhas | 24 Strakhas | 24 Strakhas | 24 Strakhas |
| Thunderbolts | 10 Strakhas | 15 Strakhas | 19 Strakhas | 24 Strakhas | 24 Strakhas | 24 Strakhas | 24 Strakhas |
| Crossbows | 2 Strakhas | 3 Strakhas | 4 Strakhas | 5 Strakhas | 5 Strakhas | 6 Strakhas | 7 Strakhas |

$\dagger$ All Strakhas are in a bomber configuration, replacing their standard missile loadout with a pair of Torpedo Mk. IVs (6/4-16/2000). $\ddagger$ This group is present if and only at least one ship survived at Nav 1.

The GM should read the following text aloud: You're about two-thirds of the way to the jump point when red lights begin dotting your radar. Strakha fighters already on your tail!!!.

The GM will then require all players to make a Technology Check. Any player who fails the Check will be subject to a surprise round against them. The enemy forces will be 5,000 kilometers behind the lead ship in the player group.

This is a simple ambush - the Kilrathi are going to try to waste to the transports if they can, then go for the escorting fighters. The players can only fail the mission at this point if they all die; whether any of the transports survive or not is completely inconsequential to the outcome of the mission.

If all the transports are destroyed and the players want to return immediately to Bhopal, the GM should remind them that their orders are to proceed to the jump point anyway to make sure it's clear. It won't be by the time Bhopa/ gets there of course, but that's beside the point...

Nav 2 is another 150,000 kilometers from the ambush point. If any transports survive, the transit will take an even 25 minutes; it will otherwise take as long as indicated below. Ten fuel points are expended in the transit regardless of the fighter type.

- Arrows: Time of transit - $6 \mathrm{~min}, 51 \mathrm{sec}$.
- Hellcats: Time of transit - $10 \mathrm{~min}, 52 \mathrm{sec}$.
- Thunderbolts: Time of transit - $11 \mathrm{~min}, 54 \mathrm{sec}$.
- Crossbows: Time of transit - $12 \mathrm{~min}, 30 \mathrm{sec}$.
- Stileftos: Time of transit - $7 \mathrm{~min}, 9 \mathrm{sec}$.


## Nav 2

Here's where things get really interesting...
Disposition of Forces:

- Xi Wing (VF-119/N)
- Little Ol' Cowgirl Convoy $\dagger$
- Kilrathi Scouting Party
- Kamrani-class Corvette x2
- Escorting Kilrathi Fighters

| Encounter at Nav 2 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 2 Paktahns, 2 Sorthaks | 2 Paktahns, 2 Sorthaks | 2 Paktahns, 2 Sorthaks | 2 Paktahns, 2 Sorthaks | 2 Pakłahns, 2 Sorthaks | 3 Paktahns, 2 Sorthaks | 2 Pakfahns, 3 Sorthaks |
| Hellcats | 2 Paktahns, 2 Sorthaks | 2 Paktahns, 2 Sorthaks | 2 Pakfahns, 2 Sorthaks | 2 Paktahns, 2 Sorthaks | 3 Paktahns, 2 Sorthaks | 2 Paktahns, 3 Sorthaks | 2 Paktahns, 4 Sorthaks |
| Thunderbolts | 2 Paktahns, 2 Sorthaks | 2 Pakłahns, 2 Sorthaks | 2 Paktahns, 2 Sorthaks | 3 Paktahns, 2 Sorthaks | 4 Paktahns, 2 Sorthaks | 5 Paktahns, 2 Sorthaks | 6 Paktahns, 2 Sorthaks |
| Crossbows | 2 Paktahns, 2 Sorthaks | 2 Pakłahns, 2 Sorthaks | 2 Paktahns, 2 Sorthaks | 2 Paktahns, 2 Sorthaks | 2 Paktahns, 2 Sorthaks | 2 Paktahns, 2 Sorthaks | 2 Pakłahns, 2 Sorthaks |

$\dagger$ This group is present if and only if it survived at both Nav 1 and the Ambush point.
The GM should read the following text aloud: GM: As your nav computer clicks off for the jump point and red blips show up on your radar (naturally), you receive a signal...

Ella Superbase: This is Ella Station to all Confederation forces. Kilrathi ships are closing in on our position - the last base personnel are evacuating and we have rigged the station for scuttling. Be advised that our scanners have picked up a bogey on course for the Talos jump point. Can't tell what it is; just that it's big. This is Ella: good luck and Long Live the Confederation!!!

GM: Seconds later, you hear the sound of Mot's voice.
Mot: Xi Wing, this is your Mot. We've lost contact with the other transport groups and the Skipper's takin' Ella's warnin' seriously; we're buggin' out. If you've got any lambs, make sure they jump but quick. Abort the mission and get back here, buster.

This encounter will be much like Nav 1, except that the Cats are fielding Sorthaks instead of Dralthi. Their explicit purpose is to engage the Confederation fighter group; they will not break off to assist the Paktahns, though they may perform defense suppression on any remaining transports if the
opportunity arises. The Kilrathi will not withdraw from this encounter; they must all be destroyed before the players may head back to Bhopal. This is intended to be one of the first times Sorthaks are encountered by Confederation forces, so it would be appropriate for any remaining non-player pilot to make some kind of "what the hell is that" statement.

Nav 3 is 360,000 kilometers from Nav 2. Twenty-four fuel points are expended in the transit regardless of the fighter type:

- Arrows: Time of transit - $16 \mathrm{~min}, 26 \mathrm{sec}$.
- Hellcats: Time of transit - $26 \mathrm{~min}, 5 \mathrm{sec}$.
- Thunderbolts: Time of transit - $28 \mathrm{~min}, 34 \mathrm{sec}$.
- Crossbows: Time of transit - $30 \mathrm{~min}, 0 \mathrm{sec}$.
- Stilettos: Time of transit - $17 \mathrm{~min}, 9 \mathrm{sec}$.


## Nav 3

It's not quite time to call it a day yet...far from it, actually.
Disposition of Forces:

- $\quad$ Xi Wing (VF-119/N)
- Task Unit 68.18.3
- Kilrathi Scouting Party
- Ralarrad-class Light Destroyer x2
- Escorting Fighters

| Encounter at Nav 3 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 2 Vaktoths | 3 Vaktoths | 3 Vaktoths | 4 Vaktoths | 5 Vaktoths | 6 Vaktoths | 7 Vaktoths |
| Hellcats | 2 Vaktoths | 3 Vaktoths | 4 Vaktoths | 5 Vaktoths | 6 Vaktoths | 7 Vaktoths | 8 Vaktoths |
| Thunderbolts | 2 Vaktoths | 4 Vaktoths | 5 Vaktoths | 6 Vaktoths | 7 Vaktoths | 8 Vaktoths | 9 Vaktoths |
| Crossbows | 2 Vaktoths | 2 Vaktoths | 2 Vaktoths | 2 Vaktoths | 2 Vaktoths | 2 Vaktoths | 2 Vaktoths |

The GM should read the following text aloud: GM: As the ships of the Task Unit come back into sight, you can see telltale flashes of weapons fire. Your radar lights up with red blips and you see a pair of Kilrathi destroyers dead ahead!!

Mot: Xi Wing, the Cats have found us; we could use a wee bit of help here!!
The Kilrathi capships have just stumbled across the Task Unit unexpectedly, so they aren't ready to launch capship missiles. They are maneuvering out of range to do so at the beginning of the encounter and will launch when they are ready. The Vaktoths are flying escort and will maneuver to intercept any ordnance launched at the destroyers. They will likewise engage any fighter escorting the Task Unit (including the players). Should the Confederation Task Unit come under missile attack, the Kilrathi will save Bhopa/for last, preferring any other available target first. The players may lose the mission at this point if Bhopa/ is destroyed or if they all die. Before they may move on to the next Nav Point, the players must clear the iump point of all Kilrathi craft (leaving the capships to the Task Unit if necessary).

The Task Unit will be intercepted 180,000 kilometers from Nav 3. The transit will take twenty minutes to complete and twelve fuel points are expended regardless of the fighter type.

## Intercept (Hidden Nav Two)

Somebody did mention the overwhelming number of Cats that have suddenly appeared in the system, right? Numbers like that makes it a bit hard for an opponent to just run away unnoticed...

Disposition of Forces:

- $\quad$ Xi Wing (VF-119/N)
- Task Unit 68.18.3
- Kilrathi Strike Wing

| Encounter at Hidden Nav Two |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 2 Paktahns, 2 Darkets | 2 Paktahns, 2 Darkets | 2 Paktahns, 3 Darkets | 3 Paktahns, 2 Darkets | 2 Paktahns, 8 Darkets | 4 Paktahns, 3 Darkets | 5 Pakłahns, 2 Darkets |
| Hellcats | 2 Paktahns, 2 Darkets | 2 Paktahns, 2 Darkets | 2 Paktahns, 4 Darkets | 2 Pakfahns, 7 Darkets | 4 Paktahns, 3 Darkets | 5 Paktahns, 2 Darkets | 5 Paktahns, 5 Darkets |
| Thunderbolts | 2 Paktahns, 2 Darkets | 2 Paktahns, 3 Darkets | 3 Pakłahns, 3 Darkets | 4 Pakfahns, 3 Darkets | 5 Paktahns, 3 Darkets | 6 Pakfahns, 3 Darkets | 6 Pakłahns, 6 Darkets |
| Crossbows | 2 Paktahns, 2 Darkets | 2 Paktahns, 2 Darkets | 2 Paktahns, 2 Darkets | 2 Paktahns, 2 Darkets | 2 Paktahns, 2 Darkets | 2 Paktahns, 2 Darkets | 2 Paktahns, 2 Darkets |

The GM should read the following text aloud: You're about halfway back to the jump point when your autopilot alarm sounds and your radar lights up. Looks like the Cats have come to hit the Task Unit!!

This is a straightforward encounter - the Paktahns are gunning for the capships, while the Darkets are there to escort them and fend off any would-be counter-attackers. The Kilrathi will go for the other ships in the Task Unit first (i.e. the relatively easy targets) before they attempt to tackle Bhopal, but they will turn their attention to the cruiser if given opportunity or if they run out of other targets. The players can fail the mission at this point if Bhopal is destroyed or if they all die.

The jump point at Nav 4 is another 180,000 kilometers from the intercept point. The transit will take twenty minutes to complete and twelve fuel points are expended regardless of the fighter type.

## Nav 4 (Mission End)

Eh. There's only one Kilrathi capship here. What could possibly be the matter?
Disposition of Forces:

- Xi Wing (VF-119/N)
- Task Unit 68.18.3
- Hvarkann-class Dreadnought x 1
- Kilrathi TarCAP

| Encounter at Nav 4 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Player Fighters | Two PCs | Three PCs | Four PCs | Five PCs | Six PCs | Seven PCs | Eight PCs |
| Arrows/Stilettos | 2 Paktahns, 2 Dralthi | 2 Paktahns, 3 Dralthi | 2 Paktahns, 6 Dralthi | 4 Paktahns, 4 Dralthi | 5 Paktahns, 4 Dralthi | 5 Pakłahns, 7 Dralthi | 8 Pakłahns, 2 Dralthi |
| Hellcats | 2 Paktahns, 2 Dralthi | 3 Paktahns, 2 Dralthi | 3 Paktahns, 5 Dralthi | 4 Paktahns, 6 Dralthi | 6 Paktahns, 4 Dralthi | 8 Pakłahns, 2 Dralthi | 7 Pakłahns, 8 Dralthi |
| Thunderbolts | 2 Paktahns, 3 Dralthi | 3 Paktahns, 4 Dralthi | 3 Paktahns, 8 Dralthi | 6 Paktahns, 4 Dralthi | 8 Paktahns, 3 Dralthi | 8 Paktahns, 7 Dralthi | 8 Paktahns, 8 Dralthi |
| Crossbows | 2 Paktahns, 2 Dralthi | 2 Paktahns, 2 Dralthi | 2 Paktahns, 2 Dralthi | 2 Paktahns, 2 Dralthi | 2 Paktahns, 2 Dralthi | 2 Pakłahns, 2 Dralthi | 2 Pakłahns, 2 Dralthi |

The GM should read the following text aloud: GM: Even before Mot comes on the channel your radar lights up with one huge red blip, a Kilrathi ship easily visible well before your nav computer clicks off.

Mot: Xi, we haven't a feckin' clue what this feckin' thing is and we're not feckin' stickin' around to find out. You've got two minutes, then we're jumpin'; get your arses on the deck, buster!!!!

As Mot says, the players have got just two minutes - 20 rounds - before Bhopal and her escorts jump to the Talos system. This is intended as the initial encounter with a Hvar'kann-class dreadnought by Confederation forces (hence Mot's reaction to it). The Kilrathi dreadnought and the bombers will be focusing solely on the capships, targeting Bhopa/ in the event that all other targets are destroyed. Meanwhile, the Dralthi will be taking on the players, attempting to knock them out of commission as they line up for landing. To succeed in this encounter, the players must land on Bhopal before she jumps and Bhopal must last long enough to make the jump.

Landing simply requires a successful Vehicle Piloting Check. Pilots will bolter and have to make another attempt on a failed Check. On a critical failure of the Check, the player involved will have to make a Check for a Ramming action. A bolter could mean death for a PC in this case; given the difficulty of this encounter in general, the GM should consider showing some leniency to the players this one time.

If the players survive and Bhopaliumps, the GM may give whatever kind of improvised debriefing spiel they wish (as long as it's appropriate to the situation, i.e. downbeat).

After the mission debriefing, the GM should read the following text out loud. GM: Meanwhile...the Kilrathi dreadnought closes in on Ella Station, her gun and missile ports open. The mighty capital ship cuts loose with a fusillade, laser fire raining down on the defenseless Terran outpost, simultaneously firing a spread of capship missiles. Moments later, the outpost detonates in an incandescent flash. Satisfied with the carnage, the dreadnought turns towards the Talos jump point, the Kilrathi continuing their advance towards the Terran homeworlds...

## What's Next

Once the campaign is complete, the GM has several options with which to follow it up. Here are some suggestions:

- Cardell is one of two systems mentioned by Admiral Tolwyn at the beginning of Wing Commander III where the Kilrathi "are on the run", the other being the Morpheus system. The pilots could be assigned to help in operations there next, as Mot suggests at the end of Mission 5A.
- Those with a bent towards surface exploration could send their characters down to Vespus to aid in the rescue and recovery effort of Concordia's crew or perhaps to join the damage survey team. This obviously won't work if Concordia survives the campaign; a shore-leave adventure on Vespus might be appropriate if that happens.
- With sufficient setup and preparation, there's no reason why a resourceful GM couldn't launch into a parallel campaign to Wing Commander III or perhaps Wing Commander Saga. A full run-through of either game is also possible given enough background information, though that would take a great deal of research; the CIC website is an excellent place from which to start in such an effort.
- If the campaign was lost, the GM could chronicle the Confederation's attempt to retake the Ella and Vespus systems or perhaps perform a desperate last-ditch effort to defend Talos before the Kilrathi reach Sol.

Of course, the GM is welcome to make some alterations to the campaign and try again:

- An obvious thing to do is switch up the fighters used with each mission or to have the players pick/create a different pilot.
- A different matchup of capital ships is another possibility; perhaps the campaign could be played with more ships on both sides.
- Perhaps the campaign could be played with a different set of craft, such as the standard set from WC2 or even from a later era; the Kilrathi might not fare as well against Dragons.
- Or perhaps the campaign could be played from the Kilrathi perspective...

The possibilities for further play are limited only by the GM's imagination. More materials can be found with the full WCRPG rules, which are available at werpg.wikia.com.

## The Pilots of VF-II9

The following section contains a list of pre-built characters that may either be used to give players additional, GM-controlled wingmen during the course of the campaign or as a means of bypassing the character creation process for a "quick start" of the campaign.

## Whistler

Christopher Risko was born to LCDR Joseph Risko (TCN, Ret.) and Cheryl Risko at about $1155 Z$ at Matki Bożej Miłosierdzia (Our Lady of Mercy) Memorial Hospital in Warsaw, Masovian Voivodeship, Poland, Earth. Raised as a survivalist from an early age, Christopher was taught many tricks to taking on the wilds of the galaxy. Christopher grew up idolizing his father and his work; Joseph worked for the TCN Medical Corp for 20 years in the trauma wards of several systems. Although Christopher had a deeply entrenched respect for the nobleness of his profession, medicine didn't feel right for him. Where Joseph was a doctor and a survivalist, Christopher had a knack to tackling puzzles and surprised the old man on many an occasion with his tracking abilities. When Chris was 14, he had his first taste of a pilot training simulator; a recruiter's office had set up a full-scale space-simulator near his (later) home in Orlando, Florida, United States, Earth. Discovering a natural aptitude for maneuvering that shocked then-Captain Gregory "Tick" Stoval, he sent Christopher home with a Space Force Academy application in his PDA. As soon as Joseph found out about the application and the training, the PDA was smashed and Christopher was severely scolded for his interest in the Space Force; "I don't want to see your corpse on my table," was a popular phrase in the Risko household at the time.

Despite the fact that he did not see eye-to-eye with his father over an Academy appointment, Christopher could not abate his enthusiasm. Passing the entrance exams with flying colors, he earned a scholarship and entry into an honors Academy program. Instructors had a difficult time placing him in any one learning track; his curiosity and penchant for learning seemed boundless and he took several electives. Christopher graduated Summa Cum Laude with the Class of 2660 but did not enter active service until after completing an honors program Mechanic's School elective course. He entered active service after an extended furlough (Joseph pulled some strings to get him home for Christmas that year). After an Academy love interest caught him whistling she dubbed him "the Whistler", a name that stuck.

He was subsequently assigned to TCS Wolfhound for two years during active campaigns in the Deneb Quadrant, where he flew with distinction. He was ultimately reassigned to TCS Leyte Gulfand promoted to the rank of Major on 2663.275. Given his record, he was placed as the ship's Rapier squadron XO despite his relative youth. He saw pivotal actions during the rebellion and defense of Ghorah Khar, receiving yet another promotion and a Gold Star. When the Kilrathi invaded Sirius and Sol, Risko was on the frontline. After a quick reassignment to a Sabre, his final encounter during the Battle of Earth was a delaying action against a Kilrathi picket line. During this action, his fighter was grazed by a final Antimatter Gun shot from a Fralthra that he had just successfully torpedoed. Ejecting in time to have a ring-side seat for the torpedo's detonation, he received a heavy dose of ionizing radiation; were it not for the courage of the Medical Corps, Christopher "Whistler" Risko might have whistled his last tune that day (incidentally, his father did not see him as his patient, though Christopher did later receive a thorough grilling from his family over his "recklessness"). A little scarred from the close call and sporting a fresh crop of silver hair, he ultimately made a full recovery. Fleet Command has since reassigned him as Commander, Aerospace Wing (CAG) aboard TCS Bhopal.

| Christopher Risko, Callsign: Whistler |  |  |
| :---: | :---: | :---: |
| Spe | Rank: Lieutenant Colonel, TCSF | Gender: Male |
| Height: 2.0 | M | Handedness: Rig |
| Birt |  | +8 |
| Attack Bonuses - Melee: +12 ; Ranged: +13 |  | Saves - Fortitude: 37, Reflex: 43, Willpower: 43 |
| HP/NHP: 68 | HD/THD/ | SI: 118 |
| Power: 75, Three-Dimensional Maneuvers: 25 (Swimming 10), Brawling: 20 (Special Forces/Small Blades: 10), Liffing: 10. <br> Finesse: 85, Dexterous Maneuvers: 25 (Sleight-of-Hand 10), Dodge: 25 (Evading Ordnance 5, Shooting Ordnance 5), Hiding and Seeking: 15. Physique: 85, Stamina: 25, Concentration: 25 (Concentration Under Fire: 20), Recuperation: 15. <br> Intellect: 100, Knowledge: 25 (Confederation Fighter Designs: 5, Kilrathi Fighter Designs: 5, Kilrathi Tactics: 15), Cunning 20 (Persuasion: 10), Resourcefulness: 20. <br> Acumen: 80, Perception: 20 (Spot Enemy: 10), Performance: 25 (Pilot 10), Survival: 15. <br> Charm: 75, Personality: 20 (Taunting: 10), Leadership: 20 (Wingleader: 20), Diplomacy: 5. |  |  |
| Command: 150, Inspire: 20 (Pilots 15), Strategy: 20 (Fighter Deployment: 15), Coordination: 20 (Fighter Wing 15), Guidance: 20, Security. 25. <br> Science: 72, Planetology: 20 (Gravimetric Astrogation: 12), Technology: 20 (Confederation Cockpit Electronics: 10), Typhonology: 10. <br> Navigation: 230, Vehicle Piloting: 25 (Confederation Light Fighters: 40, Confederation Medium Fighters: 40, Confederation Heavy Fighters: <br> 40), Astrogation: 25, Orientation: 20, Starship Piloting: 25, Stealth: 15. <br> Tactical: 145, Evasive Maneuvers: 25 (Shelton Slide: 20), Combat Maneuvers: 25, Targeting: 25, Marksmanship: 25 (Surgical Strike: 15), Ballistics: 25. <br> Engineering: 55, Damage Control: 10, Internal Systems: 5, Defenses: 10, Mechanics: 20, Faster-Than-Light Mechanics: 10. <br> Communications: 40, Trans/ate: 20, Distress: 5, Rapport. 10, Intimidate: 5. <br> Medicine: 10, Intensive Care: 5, Psychology: 5. |  |  |
| Traits: Contacts +3 (Confederation High Command), Scientific Sense +2 , Navigational Sense +20 , Mechanical Sense +10 , Tactical Sense $+15, \underline{\text { Reputation }}+5$, Wealth $+5, \underline{\text { Nerves }}+5$, Reflexes +5 , $\underline{\text { Discipline }}+5$, Education $+5, \underline{\text { Comeliness }}-5, \underline{\text { Creed (Never }}$ Harm the Innocent or Defenseless) -15 , Honest -5 . |  |  |
| Possessions: Tungsten-Steel Composite Knife: 300 year old heirloom with custom tungsten sheath kept in near-mint condition, carried at all times; maintains when needed in quarters. Fourth Class Laser Pistol (EC3; 8), Starfaring Wilderness Pack IV \{Backpack (Wilderness), Hip Pack, Bedroll (EC7; 128), Flashlight (Domestic) (EC3; 8), Small Battery (EC0; 1), Matches (EC2; 4), Canteen (EC5; 32), P-Ration (EC5; 32), Duct Tape (Mini Roll) (EC0; 1), Mechanical Lubricant (EC3; 8), Thermos Bottle (EC4; 16), Fire Jelly Can (EC4; 16)\}, Military Dress Uniform, Military Working Uniform, Civilian Casual Dress Outfit, Athletic Swim Trunks, Rope (EC5, 32), Multi-Tool (EC2; 2), Purification Tablets (EC2, 4), Distress Beacon (EC5, 32), Medium Battery (EC1, 2), Weapon Repair/Cleaning Kit (EC2, 4), Field Multi-Spectral Goggles (EC5, 32), Compass (EC2, 4), Backpack Tent (EC9, 512), Tarp (EC5, 32), Debit Chit (EC0; 1), Deluxe-Chronometer (EC0, 1). Cash on Hand: €402.55. |  |  |

Notes: Physical Description: In a word, brawny. Tan, with sun-worn, almost translucent skin. Suffered some cosmetic effects to his skin due to radiation poisoning (Level II) but is still physically sound. Eyes change color with mood; blue-green when amiable but grey when angry. Some visible scars on hands from cuts and laser burns. Hair color was originally ashen-blond but turned white-silver after loss from radiation; kept short.

Personality: Introverted. Deep-thinker. Thinks hand-to-hand combat training is entertainment. Light social drinker only; prefers whiskey and loves Firekka's Finest. Non-smoker. Serious about his job. Has a way with words that makes a wingman think if they go to hell, they'll make it back out. Does not engage in small-talk so much but will speak with purpose when the need dictates. If not in the cockpit or reading in the office, he has a tendency to wander around in order to familiarize himself with his current environment. Will remain deathly silent while contemplating tactics. Doesn't spend a lot of money frivolously. Will not take lethal action upon anyone who is not explicitly waging war, plundering, murdering, etc. Despises lying; will do so only if there's a bloody good reason. Measures his success by the survival of his comrades and subordinates. Rank to him is just a means to more pieces to the puzzle and less obstacles for his ideas. Laughs at jokes he thinks are funny; if he hears a joke that isn't funny to him, he'll stare at whoever told it blankly till his mind wanders elsewhere. His laugh sounds like a neighing horse. Personal Goals: Win the war; he wants to see what "peace" really is (since he's only read about it). He has some hope for a family one day but that one may not be in his future given his occupation.

## Taxicab

Lieutenant Kabitana's callsign is only partially based upon his last name; it's mainly from a womanizing past, an unhealthy fascination with wheeled vehicles and an early job as a shuttle pilot (from which he was booted after just three days, again due to his libido). Most of his early career was spent in Gemini patrolling the space lanes for the Confederation military. Proud to be a third generation colonial, Kabitana is a steady and reliable hand in the cockpit, though he still has a tendency to think from below the belt when there are any women around.

| Pora Kabitana, Callsign: Taxicab |  |  |
| :---: | :---: | :---: |
| Species: Terran (Union of Border Worlds) | Rank: First Lieutenant, TCSF | Gender: Male |
| Height: 1.9 m | Mass: 100 kg | Handedness: Left |
| Birth Date: 2640.134 (Age 29; Adult) | Place of Birth: Hedshe Honiare, Elohim System, Downing Quadrant, Vega Sector | Initiative: +8 |
| Attack Bonuses - Melee: +11 ; Ranged: +13 |  | Saves - Fortitude: 35, Reflex: 48, Willpower: 37 |
| HP/NHP: 65 | HD/THD/FHD: 42/42/50 | SI: 65 |
| Power : 65, Three-Dimensional Maneuvers : 25, Brawling : 25, Liffing: 15. <br> Finesse : 80, Dexterous Maneuvers : 25 (Sleight of Hand 10), Dodge : 25, Hiding and Seeking: 20. <br> Physique : 55, Stamina : 25, Concentration: 20, Recuperation: 10. <br> Intellect : 100, Knowledge : 20 (Kilrathi Tactics 10), Resourcefulness : 25, Cunning: 25 (Seduction 20). <br> Acumen : 70, Perception : 20 (Spot Enemy 10), Performance : 25, Survival: 15. <br> Charm : 80, Personality : 25 (Debating 10), Leadership : 25, Diplomacy: 20. |  |  |
| Command : 65, Security: 25, Strategy : 20, Guidance : 15, Coordination : 5. <br> Science : 50, Technology : 20, Planetology: 10, Geology : 5, Archaeology: 10, Typhonology: 5. <br> Navigation : 125, Vehicle Piloting : 25 (Stiletto 30), Orientation: 10, Astrogation: 25, Starship Piloting : 10, Stealth: 25. Tactical : 125, Evasive Maneuvers : 25, Combat Maneuvers : 25, Targeting : 25, Marksmanship : 25, Ballistics: 25. <br> Engineering : 55, Damage Control: 25 (Guns 5), Mechanics : 25. <br> Communications : 20, Translate : 20. <br> Medicine : 35, Intensive Care : 20, Psychology : 10, Treatment: 5. |  |  |
|  |  |  |

## Quiche

Quiche was born on the planet Landreich, making him a Landreicher in the strictest sense of the term. Of Indian Descent, Quiche got his callsign by egging his OCS flight instructor's bird in retaliation for the latter not paying up on a five-credit poker debt; the instructor made Quiche scrape up the eggs, cook them up into a quiche and eat it. A fair pilot in a light fighter, Quiche is Bhopal's resident card sharp. Most of the crew knows not to play him for money, especially if they can't pay up right away...

| Pran Eswara, Callsign: Quiche |  |  |
| :---: | :---: | :---: |
| Species: Terran (Free Republic of the Landreich) | Rank: Captain, TCSF | Gender: Male |
| Height: 2.0 m | Mass: 120 kg | Handedness: Right |
| Birth Date: 2632.321 (Age 36; Adult) | Place of Birth: Amitabish, Landreich System, Gonwyn Quadrant, Landreich Sector | Initiative: +8 |
| Attack Bonuses - Melee: + 12; Ranged: + 13 |  |  |
| HP/NHP: 66 | HD/THD/FHD: 42/42/50 | SI: 66 |
| Power : 70, Three-Dimensional Maneuvers : 20, Brawling : 25 (Boxing 10), Liffing: 15. <br> Finesse : 85, Dexterous Maneuvers : 25 (Sleight-of-Hand 20), Dodge : 20, Hiding and Seeking: 20. <br> Physique : 60, Stamina : 20, Concentration: 20, Recuperation: 20. <br> Intellect : 115, Knowledge : 20 (Kilrathi Tactics 10, Card Games 15), Resourcefulness: 15 (Cooking 5), Cunning: 20 (Persuasion 10, Deception 20). <br> Acumen : 70, Perception : 20 (Sense Deception 10, Spot Enemy 10), Performance : 20, Survival: 10. Charm : 75, Personality : 25 (Debating 10), Leadership : 20, Diplomacy: 20. |  |  |
| Command : 75, Security : 25, Strategy : 20, Guidance : 10, Coordination: 10, Inspire: 10, Science : 90, Technology : 25, Planetology: 25, Geology : 20, Typhonology. 20, <br> Navigation : 135, Vehicle Piloting : 25 (Stiletto 35), Orientation: 25, Astrogation: 25, Stealth: 25. <br> Tactical : 115, Evasive Maneuvers : 20, Combat Maneuvers : 20, Targeting : 25, Marksmanship : 25, Ballistics: 25. Engineering: 60, Damage Control: 25 (Guns 10), Mechanics: 25. <br> Communications : 30, Translate : 15, Intimidate : 15. <br> Medicine : 45, Intensive Care: 20, Psychology : 25. |  |  |
|  |  |  |

## Polock

Lieutenant Krasinski received her callsign almost immediately upon arrival at basic training; a bigoted instructor had trouble pronouncing her surname. The fact that she is actually Polish (having been raised in Lvov) didn't help matters any; Polock truly despises the racist nature of her callsign. Polock is a master hand-to-hand fighter; she is currently ranked as G4 by the Interplanetary Krav Maga Federation. As a pilot, she's reliable (if a bit impulsive on occasion) and is an expert at targeting the weak points of enemy capital ships.

Freyderyka Krasinski, Callsign: Polock

| Species: Terran (Confederation) | Rank: First Lieutenant, TCSF | Gender: Female |
| :---: | :---: | :---: |
| Height: 1.6 m | Mass: 55 kg | Handedness: Ambidextrous |
| Birth Date: 2638.039 (Age 31; Adult) | Place of Birth: SS Szczecin en route to Sol, 119CE System, Humboldt Quadrant, Gemini Sector | Initiative: +7 |
| Attack Bonuses - Melee: +13; Ranged: +12 |  | Saves - Fortitude: 35, Reflex: 47, Willpower: 46 |
| HP/NHP: 65 | HD/THD/FHD: 43/43/50 | SI: 65 |



Traits: Ambidexterity +25 , Reflexes +10 , Discipline +10 , Impulsive -10 , Allergic (Pollen) -5 , Creed (Defend Confederation) -5 .

## Dilly

Pao Dai-Lin joined the Confederation Fleet relatively late in his life, owing to a desire to "go out and see the universe". His lackadaisical attitude nearly got him expelled from the Space Force Academy, which he eventually attended. His service so far aboard Bhopa/has been equally lackluster and though he is a reasonably good pilot, his tendencies to shirk his other duties have gotten him into hot water on more than one occasion. His callsign, a play on his given name, reflects his status as the ship's resident underachiever.


## Andon

Lieutenant Nicolayic is Bhopal's resident troubadour pilot, a very talented musician with a great deal of technical skill with most instruments and an amazing singing voice. Like most musicians, she found herself with the need to pay the bills early in her adult life and joined the military to become a fighter pilot and earn a little extra scratch in the process. Her callsign, a play on her given name, was given to her by her drill instructor after the rest of her training squad dared her to sing "the Banana Boat Song" and make up new verses for as long as she could; much to everyone's chagrin, she sang the song for three hours straight (i.e. it went and on and on and on...). She'll play or sing any piece of music requested of her with the exception of Rockero music, which she detests (ironic, given her place of birth). As a pilot, she's known for her quick reflexes and reliability.

| Onenn Nicolayic, Callsign: Andon |  |  |
| :---: | :---: | :---: |
| Species: Terran (Confederation) | Rank: First Lieutenant, TCSF | Gender: Female |
| Height: 1.6 m | Mass: 50 kg | Handedness: Right |
| Birth Date: 2638.114 (Age 31; Adult) | Place of Birth: Nuevo Brest, Celeste, Terra Quadrant, Sol Sector | Initiative: +7 |
| Attack Bonuses - Melee: +7; Ranged: +10 |  | Saves - Fortitude: 36, Reflex: 47, Willpower: 42 |
| HP/NHP: 66 | HD/THD/FHD: 43/43/50 | SI: 66 |
| Power : 45, Three-Dimensional Maneuvers : 25, Brawling: 10, Liffing: 10. <br> Finesse : 75, Dexterous Maneuvers : 25 (Balance 10), Dodge : 20, Hiding and Seeking: 20. <br> Physique : 60, Stamina : 20, Concentration : 25, Recuperation: 15. <br> Intellect : 105, Knowledge : 20 (Kilrathi Tactics 10, Songs 20), Resourcefulness : 25, Cunning: 20 (Persuasion 5, Seduction 5). Acumen : 120, Perception : 25 (Sense Danger 20, Spot Enemy 15), Performance : 25 (Musician 20), Survival: 15. Charm : 60, Personality : 25, Leadership : 15, Diplomacy. 20. |  |  |

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                        Command : 65, Security : 15, Strategy : 10, Coordination: 25, Inspire: }15
    Science: 100, Technology: 20 (Musical Instruments 15), Geology: 10, Archaeology: 10 (Anthropology 30), Typhonology: 15.
                Navigation: 100, Vehicle Piloting : }25\mathrm{ (Arrow 25), Astrogation: 25, Stealth: }25
Tactical : 150, Evasive Maneuvers : }25\mathrm{ (Fish Hook 15), Combat Maneuvers : }25\mathrm{ (Shelton Slide 10),Targeting : 25, Marksmanship : 25,
                                    Ballistics: 25.
                            Engineering : 60, Damage Control: }25\mathrm{ (Guns 10) Mechanics : }25
                            Communications : 50, Rapport : 20,Negotiate : 20,Translate : }10
                        Medicine : 25,Intensive Care: 10, Psychology: }15
```

                            Traits: Senses (Sound) +5 , Math Expert +5 , Reflexes +10 , Lecherous -10 , Honest -10 .
    
## Coldfire

Major Adjeng is the second most senior member of Fireball Squadron and is Bhopal's top gun, an Ace of Aces with over 200 kills on her record over her service career. She earned her callsign for her flying style: ice cold and deadly accurate with her weaponry regardless of what craft she's flying. Her success in the cockpit has given her somewhat of a haughty attitude, one which has begun to stymie the advancement of her career. She is the only member of Bhopal's wing who resents the fact that Lt. Colonel Risko, an outsider to the wing, was assigned as ship's CAG after the Battle of Earth. To her credit, she does not feel as though she should've been the one who was promoted to the position she feels that Major Neuville should've been promoted into the position instead.

| Erna Adjeng, Callsign: Coldfire |  |  |
| :---: | :---: | :---: |
| Species: Terran (Confederation) | Rank: Major, TCSF | Gender: Female |
| Height: 1.5 m | Mass: 60 kg | Handedness: Rig |
| Birth Date: 2634.088 (Age 35 | Place of Birth: Baru Riau, Chemla, Gegarin Quadrant, Hawking Sector | Initiative: +10 |
| Attack Bonuses - Melee: +11 ; Ranged: +15 |  | Willpower: 37 |
| HP/NHP: 66 | HD/THD/FHD: 40/40/50 | SI: 66 |
| Finesse : 105, Dexterous Maneuvers: 25 (Balance 20, Sleight-of-Hand 15), Dodge : 20, Hiding and Seeking: 25. <br> Physique : 65, Stamina : 20, Concentration : 20 (Concentrate Under Fire 10), Recuperation: 15,. <br> Intellect : 140, Knowledge : 25 (Kilrathi Tactics 20, Kilrathi Fighter Designs 20, Kilrathi Capital Ship Designs 20), Resourcefulness : 25, Cunni 20 (Persuasion 10, Deception 5, Treachery 5). <br> Acumen : 75, Perception : 25, Performance : 25 (Pilot 5), Survival: 20. <br> Charm : 55, Personality : 25 (Taunting 10), Leadership: 10, Diplomacy: 10. |  |  |
| Command : 85, Security : 25 (Hand Laser 15), Strategy : 25, Coordination : 25. Science : 60, Technology: 25, Geology: 10, Typhonology: 25. <br> Navigation : 150, Vehicle Piloting : 25 (Confederation Light Fighters 20, Confederation Medium Fighters 20, Confederation Heavy Fighters 20), Astrogation: 25 (Akwende Drive 25), Stealth: 15. <br> Tactical : 170, Evasive Maneuvers : 25, Combat Maneuvers : 25, Targeting : 25 (Engines 5), Marksmanship : 25 (Lasers 10, Mass Drivers 10), Ballistics: 25 (DFs 10, Torpedoes 10). <br> Engineering : 70, Damage Control: 25 (Guns 15), Mechanics: 20 (Fightercraft 10). <br> Communications : 40, Intimidate : 20, Translate : 15, Rapport : 5. <br> Medicine : 50, Intensive Care: 25, Psychology : 25. |  |  |
| Traits: Tactical Sense +5 , Senses (Sight) +5 , Senses (Sound) +5 , Overconfident -10 , Intolerant (Subordinates) -5 |  |  |

## Pomade

Captain Jelenovicz earned his callsign due to the amount of attention he pays to his hair on a daily basis; he uses so much gel that most people can smell it at fifty paces. He typically exudes an air of smug confidence and has little patience for subordinates (though he doesn't necessarily show any open disdain towards them either). An average flier, his main strength lies in his expertise as a torpedo bombardier.

Karel Jelenovicz, Callsign: Pomade

| Species: Terran (Confederation) | Rank: Captain, TCSF | Gender: Male |
| :---: | :---: | :---: | :---: |
| Height: 1.8 m | Mass: 120 kg | Handedness: Right |
| Birth Date: 2637.007 (Age 32; Adult) | Place of Birth: Aetos Dios, Aquila IV, Petrov Quadrant, Sol Sector | Initiative: +8 |

Attack Bonuses - Melee: +12 ; Ranged: +13 Saves - Fortitude: 36, Reflex: 38, Willpower: 33

| HP/NHP: 66 | HD/THD/FHD: 42/42/50 | SI: 66 |
| :---: | :---: | :---: |

Power : 70, Three-Dimensional Maneuvers: 20 (Swimming 10), Brawling : 15, Lifting: 25.
Finesse : 80, Dexterous Maneuvers: 25 (Horseback Riding 10), Dodge: 25, Hiding and Seeking: 20.
Physique : 65, Stamina: 15, Concentration:25, Recuperation: 25.
Intellect : 105, Knowledge : 20 (Kilrathi Capital Ships 10, Kilrathi Tactics 10, Hair Care 10), Resourcefulness : 25, Cunning: 20 (Persuasion 10).
Acumen : 85, Perception : 25 (Spot Enemy 10, Sense Deception 10), Performance : 25 (Pilot 10), Survival: 5. Charm : 70, Personality : 25 (Taunting 10), Leadership: 15, Diplomacy: 20.

Command : 75, Security : 25, Strategy: 25, Coordination: 25.
Science : 70, Technology: 25, Geology : 25, Archaeology : 10, Typhonology: 10.
Navigation : 100, Vehicle Piloting : 25 (Crossbow 35), Astrogation : 25, Stealth: 15.
Tactical : 165, Evasive Maneuvers : 25, Combat Maneuvers : 25, Targeting : 25, Marksmanship : 15, Ballistics: 25 (Torpedoes 50). Engineering : 80, Damage Control: 25 (Guns 10), Mechanics : 25, Faster-than-Light Mechanics : 20.

Communications : 30, Trans/ate : 20, Distress: 10.
Medicine: 30, Intensive Care : 20, Psychology : 10.
Traits: Tactical Sense +10 , Overconfident -5 , Discipline -5 .

## Waltz

Major Neuville is Fireball Squadron's XO. When she was thirteen years old, Waltz's parents moved to Adelaide in South Australia and she lived there long enough into her early adult life to pick up a strong accent; the callsign she later received from her flight instructors was therefore a natural choice. She takes her job seriously and is a dedicated pilot, though she can be a hardass and can be quite temperamental (asking her to dance or making remarks about billabongs or swagmen in front of her has gotten more than one smart-assed servicemember punched in the face).

| Matilda Neuville, Callsign: Waltz |  |  |
| :---: | :---: | :---: |
| Species: Terran (Confederation) | Rank: Major, TCSF | Gender: Female |
| Height: 1.5 m | Mass: 55 kg | Handedness: Right |
| Birth Date: 2631.305 (Age 37; Adult) | Place of Birth: Otherwhen, Kalvan, Asimov Quadrant, Enigma Sector | Initiative: +7 |
| Attack Bonuses - Melee: + 12; Ranged: + 11 |  | Saves - Fortitude: 36, Reflex: 37, Willpower: 37 |
| HP/NHP: 66 | HD/THD/FHD: 43/43/50 | SI: 66 |
| Power : 80, Three-Dimensional Maneuvers : 20, Brawling : 25 (Shorinji Kempo 20), Liffing: 15. <br> Finesse : 75, Dexterous Maneuvers : 20 (Balance 15), Dodge : 20, Hiding and Seeking: 20. <br> Physique : 60, Stamina : 20, Concentration : 20, Recuperation: 20. <br> Intellect : 105, Knowledge : 25 (Kilrathi Tactics 15), Resourcefulness : 25 (Sculpting 10), Cunning: 20 (Persuasion 10). <br> Acumen : 70, Perception: 20, Performance : 25, Survival: 25. <br> Charm : 85, Personality : 25 (Debating 10), Leadership : 20 (Fighter Squadron 10), Diplomacy: 20. |  |  |
| Command : 105, Security : 20, Strategy: 20, Guidance : 25, Coordination : 20, Inspire: 20. <br> Science : 90, Technology : 20 (Computers 10), Planetology : 25, Geology: 5, Archaeology : 5, Typhonology: 25. Navigation : 115, Vehicle Piloting : 25 (Groundcars 10, Hellcat 25), Orientation: 15, Astrogation : 25, Stealth: 15. Tactical : 115, Evasive Maneuvers : 25, Combat Maneuvers : 25, Targeting : 25, Marksmanship : 20, Ballistics: 20. Engineering : 60, Damage Control: 25 (Guns 10), Mechanics : 25. <br> Communications : 30, Trans/ate : 15, Intimidate : 15. <br> Medicine : 45, Intensive Care : 20, Psychology : 15, Specialized Medicine : 10. |  |  |
| Traits: Navigational Sense +10 , Temper -10 |  |  |

## Gurney

Lieutenant Gernot is currently the youngest pilot serving aboard Bhopal, coming straight from a training cruise aboard TCS Wellington a mere two weeks prior to the start of the action in the Cardell system. During his training cruise, he got ahold of some bad synthetic pizza and had to spend two weeks in Wellington's sickbay as a result; he received his callsign while convalescing. He is young and eager like most rookie pilots, though he has already proven to be a good marksman.


## Meatball

Meatball often tells people he got his callsign because his ancestors were Norwegian and his flight instructor didn't know anything about Norway aside from the fact that it is next to Sweden, where they make meatballs; it's more likely that it stemmed from his general acne-scarred appearance and questionable table manners. Whatever the truth may be regarding the source of his callsign, Meatball is a relatively young and inexperienced pilot. He does know how to make a Thunderbolt dance, though...

| Thomas Lien, Callsign: Meatball |  |  |
| :---: | :---: | :---: |
| Species: Terran (Confederation) | Rank: Second Lieutenant, TCSF | Gender: Male |
| Height: 1.9 m | Mass: 120 kg | Handedness: Right |
| Birth Date: 2645.356 (Age 23; Adult) | Place of Birth: Brandywine Mining Base, Lafayette System, Day Quadrant, Vega Sector | Initiative: +6 |
| Attack Bonuses - Melee: +8 ; Ranged: + 10 |  | Saves - Fortitude: 36, Reflex: 46, Willpower: 39 |
| HP/NHP: 66 | HD/THD/FHD: 44/44/50 | SI: 66 |
| Power : 40, Three-Dimensional Maneuvers : 15, Brawling: 15, Liffing: 10. <br> Finesse : 60, Dexterous Maneuvers : 20, Dodge : 20, Hiding and Seeking: 20. <br> Physique : 65, Stamina: 10, Concentration: 25 (Concentrate Under Fire 20), Recuperation: 10. <br> Intellect : 100, Knowledge : 25 (Kilrathi Tactics 5), Resourcefulness : 25, Cunning: 25 (Persuasion 10, Deception 10). Acumen : 90, Perception: 20 (Sense Danger 20), Performance : 25, Survival: 15 (Wilderness 10). Charm : 45, Personality: 15, Leadership : 15, Diplomacy. 15. |  |  |


| Command : 35, Security : 20, Coordination: 15. <br> Science : 50, Technology : 25, Geology : 15, Typhonology : 10. <br> Navigation : 95, Vehicle Piloting : 25 (Walkers 10, Thunderbolt 25), Orientation: 10, Astrogation : 25. <br> Tactical : 70, Evasive Maneuvers : 15, Combat Maneuvers : 15, Targeting : 10, Marksmanship : 15, Ballistics : 15. Engineering: 30, Damage Control: 15, Mechanics: 15. <br> Communications : 20, Rapport: 10, Translate : 10. <br> Medicine : 25, Intensive Care : 10, Psychology: 15. |
| :---: |
| Traits: Senses (Sound) +10 , Reflexes +10 , Comeliness $-5, \underline{\text { Impulsive }}-10$, Glutton -5 . |

## Rug

Captain Brokenhand got his callsign from the same bigoted flight instructor that gave Polock her callsign; it comes from his Navajo descent. Despite repeated appeals to his wingmates, his complete abhorrence of his callsign has assured that it has stuck hard. Rug started his military career after a messy divorce, with most of his combat pay going towards alimony payments. Due to the late start of his career, he is currently the oldest pilot serving aboard Bhopal. He is known for being quiet and introspective in Bhopal's rec room, often boring anyone who will listen with one piece of old lore or another. In the cockpit, he's the kind of wingleader other pilots are happy to draw.

| Beshiltheeni Brokenhand, Callsign: Rug |  |  |
| :---: | :---: | :---: |
| Species: Terran (Confederation) | Rank: Captain, TCSF | Gender: Male |
| Height: 1.9 m | Mass: 110 kg | Handedness: Right |
| Birth Date: 2630.135 (Age 39; Adult) | Place of Birth: So Mali Liitsohi, Gilmore II, Gegarin Quadrant, Hawking Sector | Initiative: +8 |
| Attack Bonuses - Melee: + 12; Ranged: + 13 |  | Saves - Fortitude: 36, Reflex: 38, Willpower: 32 |
| HP/NHP: 66 | HD/THD/FHD: 42/42/50 | SI: 66 |
| Power : 75, Three-Dimensional Maneuvers : 20 (Climbing 10), Brawling : 25, Liffing: 20. <br> Finesse : 80, Dexterous Maneuvers : 25 (Sleight of Hand 10), Dodge : 20, Hiding and Seeking: 25. <br> Physique : 65, Stamina: 20, Concentration: 20, Recuperation: 25. <br> Intellect : 120, Knowledge : 25 (Navajo Lore 15, Kilrathi Tactics 20), Resourcefulness : 25, Cunning: 20 (Persuasion 15). Acumen : 75, Perception: 20 (Spot Enemy 10), Performance : 25, Survival: 20. <br> Charm : 85, Personality : 25, Leadership: 20 (Flight Wing 20), Diplomacy: 20. |  |  |
| Command : 85, Security : 25, Strategy : 25, Guidance : 15, Coordination: 10, Inspire: 10. <br> Science : 95, Technology : 25, Planetology : 25, Geology : 20, Archaeology: 15, Typhonology. 10. <br> Navigation : 145, Vehicle Piloting : 25 (Hellcat 35), Orientation : 15, Astrogation : 20, Starship Piloting : 25, Stealth: 25. <br> Tactical : 145, Evasive Maneuvers : 25, Combat Maneuvers : 25, Targeting : 25, Marksmanship : 25 (Laser 10, lon Cannon 10), Ballistics: 25. <br> Engineering : 70, Damage Control: 25 (Guns 10), Mechanics : 25 (Fightercraft 10). <br> Communications : 40, Rapport: 10, Trans/ate : 20 (Kilrathi 10). <br> Medicine : 55, Intensive Care : 25, Psychology: 15, Treatment: 15. |  |  |
| Traits: Navigational Sense +10 , Overconfident -5 , Discipline -5. |  |  |

## Kilrathi Pilots

## Fire Chaser

The following table is for a O-hero point generic Kilrathi Pilot.


Power : 60, Three-Dimensional Maneuvers : 25, Brawling : 20, Liffing: 15.
Finesse : 65, Dexterous Maneuvers : 20, Dodge : 20, Hiding and Seeking: 15 (Stalking Prey 10). Physique : 50, Stamina : 25, Concentration: 15, Recuperation: 10.
Intellect : 75, Knowledge : 20 (Clan Lore 10), Resourcefulness : 25, Cunning: 20.
Acumen : 60, Perception: 25, Performance : 20, Survival: 15,
Charm : 65, Personality : 20 (Taunting 10), Leadership: 20, Diplomacy: 15.
Command : 40, Security : 20, Strategy: 15, Guidance : 5.
Science : 45, Technology : 20, Planetology : 15, Geology: 10.
Navigation : 55, Vehicle Piloting : 25 (Ekapshi 5), Orientation: 10, Astrogation: 15.
Tactical : 50, Evasive Maneuvers : 15, Combat Maneuvers : 15, Targeting : 10, Marksmanship : 5, Ballistics : 5.
Engineering: 35, Damage Control: 20, Mechanics: 15.
Communications : 20, Rapport: 15, Trans/ate : 5.
Medicine : 25, Intensive Care : 15, Psychology: 10.
Traits: Enhanced Visual Sense, Ambidexterity +25 , Senses (Sight) +5 , Senses (Smell) +5 , Senses (Hearing) +5 , Reflexes +20 , Creed -
25, Intolerant (Non-Kilrathi) -10, Impulsive -10, Discipline -5, Lecherous -5.

## Slasher

The following table is for a 100-hero point generic Kilrathi Pilot.

| Mirrach lak M'shren, Callsign: Slasher |  |  |
| :---: | :---: | :---: |
| Species: Kilrathi | Rank: Fourth Fang | Gender: Male |
| Height: 2.69 m | Mass: 105 kg | Handedness: Right |
| Birth Date: 2640.013 (Age 29; Adult) | Place of Birth: Fa'orc'al Hrai Caxki, M'shren, Kur'u Caxki Quadrant, Kilrah Sector | Initiative: +8 |
| Attack Bonuses - Melee: +10; Ranged: + 12 |  | Saves - Fortitude: 35, Reflex: 38, Willpower: 31 |
| HP/NHP: 75 | HD/THD/FHD: 45/42/53 | SI: 127 |
| Power : 60, Three-Dimensional Maneuvers : 25, Brawling : 20, Liffing: 15. <br> Finesse : 80, Dexterous Maneuvers : 25, Dodge : 25, Hiding and Seeking: 20 (Stalking Prey 10). <br> Physique : 50, Stamina : 25, Concentration: 15, Recuperation: 10. <br> Intellect : 85, Knowledge : 20 (Kilrathi Cinema 15), Resourcefulness : 20, Cunning: 20 (Persuasion 10). <br> Acumen : 60, Perception: 25, Performance : 20, Survival: 15. <br> Charm : 65, Personality : 20 (Taunting 10), Leadership: 20, Diplomacy. 15. |  |  |
| Command : 40, Security : 20, Strategy: 20. <br> Science : 55, Technology : 25, Planetology: 15, Geology : 10, Archaeology : 5. <br> Navigation: 105, Vehicle Piloting : 25 (Darket 20), Astrogation : 25, Starship Piloting: 10, Stealth: 25. <br> Tactical : 75, Evasive Maneuvers : 15, Combat Maneuvers : 15, Targeting : 15, Marksmanship : 15, Ballistics: 15. <br> Engineering : 35, Damage Control: 20, Mechanics : 15. <br> Communications : 20, Trans/ate : 20. <br> Medicine : 25, Intensive Care: 15, Psychology: 10. |  |  |
| Traits: Enhanced Visual Sense, Navigational Sense +10 , Senses (Sight) +5 , Senses (Smell) +5 , Senses (Hearing) +5 , Creed -25 , Intolerant (Non-Kilrathi) -10, Overconfident -5, Discipline -5. |  |  |

## Cleaver

The following table is for a 200-hero point generic Kilrathi Pilot.


Command : 60, Security : 20 (Blades 25), Strategy: 10, Coordination : 5.
Science : 75, Technology : 25, Planetology: 20, Geology : 15, Archaeology : 10, Typhonology: 5,
Navigation : 110, Vehicle Piloting : 25 (Dralthi-IV 25), Orientation : 10, Astrogation : 25, Stealth: 25. Tactical : 90, Evasive Maneuvers : 25, Combat Maneuvers : 25, Targeting : 10, Marksmanship : 15, Ballistics: 15.

Engineering: 45, Damage Control: 25, Mechanics : 20.
Communications : 20, Trans/ate : 20
Medicine : 25, Intensive Care : 15, Psychology : 10.
Traits: Enhanced Visual Sense, Navigational Sense +5 , Senses (Sight) +10 , Senses (Smell) +5 , Senses (Hearing) +5 , Creed 25, Intolerant (Non-Kilrathi) -10, Overconfident -5, Impulsive -5.

## Black Reaper

The following table is for a 300-hero point generic Kilrathi Pilot.

| Ratha nar M'shren, Callsign: Black Reaper |  |  |
| :---: | :---: | :---: |
| Species: Kilrathi | Rank: Second Fang | Gender: Male |
| Height: 2.96 m | Mass: 115.5 kg | Handedness: Left |
| Birth Date: 2633.211 (Age 35; Adult) | Place of Birth: Skabak Ragnith, M'shren, Kur'u Caxki Quadrant, Kilrah Sector | Initiative: +9 |
| Attack Bonuses - MelHP/NHP: 76 | Saves - Fortitude: 36, Reflex: 39, Willpower: 36 |  |
|  | HD/THD/FHD: 44/41/53 | SI: 128 |
| Power : 75, Three-Dimensional Maneuvers : 20 (Swimming 10), Brawling : 25, Liffing: 20. <br> Finesse : 90, Dexterous Maneuvers : 20, Dodge : 15, Hiding and Seeking: 25 (Stalking Prey 30). <br> Physique : 60, Stamina : 25, Concentration: 20, Recuperation: 15. <br> Intellect : 95, Knowledge : 25 (Torture Methods 15), Resourcefulness : 20, Cunning: 25 (Persuasion 10). <br> Acumen : 60, Perception: 25, Performance : 20, Survival: 15. <br> Charm : 70, Personality : 20 (Taunting 10), Leadership: 25, Diplomacy. 15. |  |  |
| Command : 70, Security : 25, Strategy : 20, Guidance : 15, Coordination: 10. <br> Science : 85, Technology : 20, Planetology : 25, Geology : 15, Archaeology: 10, Typhonology. 15. <br> Navigation: 125, Vehicle Piloting: 25 (Vaktoth 30), Orientation : 10, Astrogation: 25, Starship Piloting: 10, Stealth: 25. <br> Tactical : 110, Evasive Maneuvers : 25 (Fishhook 10), Combat Maneuvers : 25, Targeting : 20, Marksmanship : 15, Ballistics: 15. <br> Engineering : 50, Damage Control: 25, Mechanics : 25. <br> Communications : 20, Translate : 20. <br> Medicine: 35, Intensive Care : 25, Psychology : 10. |  |  |
| Traits: Enhanced Visual Sense, Navigational Sense +5 , Senses (Sight) +5 , Senses (Smell) +5 , Senses (Hearing) +10 , Creed 25, Intolerant (Non-Kilrathi) -10, Overconfident - 15. |  |  |

## Ape Poacher

## The following table is for a 400-hero point generic Kilrathi Pilot.

| Kavark nar Sihkag, Callsign: Ape Poacher |  |  |
| :---: | :---: | :---: |
| Species: Kilrathi | Rank: First Fang | Gender: Male |
| Height: 3.23 m | Mass: 115.5 kg | Handedness: Right |
| Birth Date: 2629.027 (Age 40; Middle Age) | Place of Birth: Garga nar Sihkag, Trk'Harna, Issac Quadrant, Enigma Sector | Initiative: +9 |
| Attack Bonuses - Melee: +11; Ranged: + 13 | ; Ranged: +13 Saves - Fortitude: 36, Reflex: | Saves - Fortitude: 36, Reflex: 39, Willpower: 36 |
| HP/NHP: 76 | HD/THD/FHD: 44/41/53 | SI: 128 |
| Power : 75, Three-Dimensional Maneuvers : 25, Brawling : 25 (Knife Fighting 10), Liffing: 15. <br> Finesse : 90, Dexterous Maneuvers : 25 (Balance 15), Dodge : 15, Hiding and Seeking: 20 (Stalking Prey 15). <br> Physique : 60, Stamina: 25, Concentration: 20, Recuperation: 20. <br> Intellect : 105, Knowledge : 20 (Clan Lore 15), Resourcefulness : 25, Cunning: 25 (Persuasion 10, Deception 10). <br> Acumen : 65, Perception : 25, Performance : 25, Survival: 15. <br> Charm : 80, Personality : 25 (Taunting 10), Leadership : 25, Diplomacy: 20. |  |  |

```
                        Command : 80, Security : 20 (Blades 10), Strategy : 20, Guidance : 15, Coordination: 15.
        Science : 95,Technology : 20, Planetology : 25,Geology : 20, Archaeology : 15, Typhonology. 15.
        Navigation: 135, Vehicle Piloting: }25\mathrm{ (Strakha 30), Astrogation: 25, Stealth: }25\mathrm{ (Cloaking Device 30).
    Tactical : 125, Evasive Maneuvers : 25, Combat Maneuvers : 25,Targeting : 25, Marksmanship : 25, Ballistics : }25
    Engineering : 65, Damage Control: 25, Mechanics: }25\mathrm{ (Fightercraft 15).
    Communications : 30,Trans/ate: }10\mathrm{ (English 20).
    Medicine:45, Intensive Care : 20, Psychology : 25.
Traits: Enhanced Visual Sense, Tactical Sense +5 , Senses (Sight) +10 , Senses (Smell) +5 , Senses (Hearing) +5 , Creed -25 , Intolerant (NonKilrathi) -10, Overconfident -5, Impulsive -5.
```


## Deathmist

The following table is for a 500-hero point generic Kilrathi Pilot.

| Drakj'hath nar Kur'u'tak, Callsign: Deathmist |  |  |
| :---: | :---: | :---: |
| Species: Kilrathi | Rank: Shintahr | Gender: Male |
| Height: 2.15 m | Mass: 110.25 kg | Handedness: Left |
| Birth Date: 2629.064 (Age 40; Middle Age) | Place of Birth: SS Garg'bhuk en route to Kilrah, Vukar Tag, K'vt Tag Quadrant, Vukar Tag Sector | Initiative: +9 |
| Attack Bonuses - Melee: +13; Ranged: +14 |  | Saves - Fortitude: 36, Reflex: 39, Willpower: 32 |
| HP/NHP: 76 | HD/THD/FHD: 44/41/53 | SI: 128 |
| Power : 80, Three-Dimensional Maneuvers : 25 (Climbing 10), Brawling : 25, Liffing: 20. <br> Finesse : 95, Dexterous Maneuvers : 25 (Balance 15), Dodge : 35, Hiding and Seeking: 20 (Stalk Prey 10). <br> Physique : 65, Stamina : 20, Concentration : 25, Recuperation: 20. <br> tellect : 110, Knowledge : 25 (Clan Lore 10, Court Politics 10), Resourcefulness : 25, Cunning: 20 (Treachery 10, Persuasion 10). Acumen : 70, Perception: 25 (Spot Enemy 10), Performance : 20, Survival: 15. <br> Charm : 80, Personality: 20 (Taunting 15), Leadership: 25, Diplomacy. 20. |  |  |
| ```Command : 90, Security : 25, Strategy : 25,Guidance : 20, Coordination: 10, Inspire: }10 Science : 100,Technology : 25, Planetology: 25,Geology : 20,Archaeology : 15, Typhonology. }15 Navigation : 145, Vehicle Piloting : }25\mathrm{ (Strakha 15), Astrogation: 25 (Akwende Drive 15), Starship Piloting : 25, Stealth: }25\mathrm{ (Cloaking Device 25). Tactical : 140, Evasive Maneuvers : 20, Combat Maneuvers : 25,Targeting: 25, Marksmanship : }25\mathrm{ (Laser 10, Meson Gun 10), Ballistics: }25 Engineering : 75,Damage Control: 25, Mechanics: 25,Faster-Than-Light Mechanics: }25 Communications : 40,Trans/ate : }15\mathrm{ (English 25). Medicine : 55,Intensive Care : 25, Psychology : 25, Specialized Medicine : 5.``` |  |  |
| Traits: Enhanced Visual Sense, Navigational Sense +10 , Senses (Sight) +5 , Senses (Smell) +5 , Senses (Hearing) +5 , Creed 25, Intolerant (Non-Kilrathi) -10, Overconfident -5, Discipline -5. |  |  |

## Auxiliary Personnel

## Wingnut

Walter Diring is the chief tech in charge of keeping Fireball Squadron's birds up and running. His family can trace their lineage all the way back to the tiny Micronesian nation of Nauru on Earth. An exceedingly bright and mechanically gifted individual, Wingnut is known for giving out advice to Bhopal's pilots and for his rapid, sometimes improvised repair work. He also runs the ship's still and on occasion pulls some fairly spectacular practical jokes. His language tends to be somewhat colorful when he's ordering his deck crews around; he'll also occasionally use it in front of people with whom he's particularly sociable.

| Walter "Wingnut" Diring |  |  |
| :---: | :---: | :---: |
| Species: Terran | Rank: Chief Petty Officer, TCN (Chief Tech, TCS Bhopal) | Gender: Male |
| Height: 2.0 m | Mass: 130 kg | Handedness: Right |
| Birth Date: 2635.131 (Age 34; Adult) | Place of Birth: Naval Station Weslyn, Weslyn System, Terra Quadrant, Sol Sector | Initiative: +5 |
| Attack Bonuses - Melee: +7; Ranged: +5 |  |  |
| HP/NHP: 68 | HD/THD/FHD: 45/45/50 | SI: 68 |
| Power: 70, Liffing: 25, Brawling: 25, Three-Dimensional Maneuvers: 20. <br> Finesse: 55, Dexterous Maneuvers: 25, Hiding and Seeking: 20, Dodge: 10. <br> Physique: 80, Concentration: 20 (Concentrate Under Fire 10), Stamina: 25, Recuperation: 25. <br> Intellect: 100, Cunning: 15, Resourcefulness: 25 (Jury-Rigging 30), Knowledge: 15 (Confederation Fighter Specs 15). <br> Acumen: 80, Performance: 20 (Mechanic 15), Perception: 25, Survival: 20. Charm: 65, Personality: 20, Diplomacy: 20, Leadership: 25. |  |  |
| Command: 50, Coordination: 25, Guidance: 25. <br> Science: 70, Technology: 20, Archaeology: 15, Geology: 10, Typhonology: 25. <br> Navigation: 80, Vehicle Piloting: 20 (Confederation Fighters 5), Orientation: 20, Stealth: 15, Astrogation: 20. <br> Tactical: 55, Marksmanship: 25, Evasive Maneuvers: 15, Ballistics: 15. <br> Engineering: 150, Damage Control: 25 (Guns 25), Internal Systems: 20, Mechanics: 25 (Confederation Fighters 20), Defenses: 20, Faster- <br> Than-Light Mechanics: 15. <br> Communications: 50, Rapport: 25, Intimidate: 25. <br> Medicine: 25, Specialized Medicine: 10, Intensive Care: 10, Psychology: 5. |  |  |
| Traits: Mechanical Sense $+5, \underline{\text { Ambidexterity }}+5$, Social Status $-5, \underline{\text { Wealth }}-5, \underline{\text { Crude }}-10$. |  |  |

## Mot

Lieutenant Raghnailt Sharvan is a native of Gonwyn's Glory, an exchange officer from the Free Republic of the Landreich Navy and damned proud not to be a "bloody Confee gobshite". She is known for her utter fearlessness when it comes to telling it like it is. She's known for her heavy Irish accent and her frequent use of slang; Bhopal's pilots are usually able to decipher the more unusually colorful slang words based on her emotional state at the time. She is steady under pressure, even if she occasionally lets her temper get away from her.

| Raghnailt "Mot" Sharvan |  |  |
| :---: | :---: | :---: |
| Species: Terran (Landreich) | Rank: First Lieutenant, TCN (CCO, TCS Bhopa) | Gender: Female |
| Height: 1.5 m | Mass: 50 kg | Handedness: Left |
| Birth Date: 2634.285 (Age 34; Adult) | Place of Birth: New Craigavon Centre, Gonwyn's Glory, Gonwyn Quadrant, Landreich Sector | Initiative: +5 |
| Attack Bonuses - Melee: +7 ; Ranged: +5 |  | Saves - Fortitude: 36, Reflex: 35, Willpower: 40 |
| HP/NHP: 66 | HD/THD/FHD: 45/45/50 | SI: 66 |
| Power: 75, Three-Dimensional Maneuvers: 20 (Swimming 10), Brawling: 20, Liffing: 25. <br> Finesse: 50, Dexterous Maneuvers: 25, Dodge: 10, Hiding and Seeking: 15. <br> Physique: 60, Stamina: 15, Concentration: 25, Recuperation: 20. <br> Intellect: 90, Knowledge: 25 (Irish Lore 10, Kilrathi Culture 20), Resourcefulness: 10, Cunning: 15 (Persuasion 10). <br> Acumen: 105, Perception: 25 (Sense Deception 10), Performance: 25 (Radioman 15), Survival: 20 (Wilderness 10). <br> Charm: 70, Personality: 25 (Debating 20), Leadership: 15, Diplomacy: 10. |  |  |
| Command: 35, Coordination: 20, Guidance: 10, Inspire: 5. <br> Science: 90, Archaeology: 10, Technology: 25 (Telecommunications Equipment 45), Typhonology: 10. <br> Navigation: 100, Vehicle Piloting: 25 (Groundcar 25), Stealth: 25, Orientation: 25. <br> Tactical: 30, Targeting: 10, Marksmanship: 10, Ballistics: 10. <br> Engineering: 55, Damage Control: 20, Internal Systems: 25 (Communications 10). <br> Communications: 160, Trans/ate: 25 (Kilrathi 35), Rapport. 20 (Pilots 20), Distress: 25, Intimidate: 25, Negotiate: 10. Medicine: 20, Psychology. 15, Specialized Medicine: 5. |  |  |
| Traits: Ambidexterity +5 , Social Status -5 Intolerant (Confees) - 2 , Linguistic Sense +5 , Scientific Sense +5 , Bleeder $-5, \underline{\text { Temper }-5 .}$ |  |  |

## Goddess

Goddess is the current acting CO of TCS Coimbra's half-squadron of Hellcats, a job that she inherited during the initial stages of the fighting in the Cardell system. An attractive woman of Kenyan descent, Goddess was already well on her way towards earning her Captain's bars, proving herself to be a natural, capable leader and an able pilot in multiple engagements.


## Longlegs

Helena Weber doesn't make a big deal of her lineage; most of her fellow servicemembers can't tell that she is a native of the planet Orleans, a member world of the Free Republic of the Landreich. Her callsign is a triple entendre: in addition to being a play on her last name, Longlegs is exceptionally tall and slender for a Terran female and she is also known for being somewhat of an amateur arachnologist. She keeps a few pet spiders in her locker aboard Coimbra; so far she's managed to keep them all alive (and from causing her shipmates any permanent harm), but she does fear the coming of the day when someone attempts to procure her prized lliosian tarantula for some stupid prank...

| Helena Weber, Callsign: Longlegs |  |  |
| :---: | :---: | :---: |
| Species: Terran (Landreich) | Rank: First Lieutenant, TCSF | Gender: Female |
| Height: 1.9 m | Mass: 75 kg | Handedness: Right |
| Birth Date: 2638.362 (Age 30; Adult) | 2ederik, Orleans, Gonwyn Quadrant, Landreich Sector | Initiative: +7 |
| Attack Bonuses - MelHP/NHP: 65 | Saves - Fortitude: 35, Reflex: 37, Willpower: 38 |  |
|  | HD/THD/FHD: 43/43/50 | SI: 65 |
| Power : 60, Three-Dimensional Maneuvers: 25, Brawling : 20, Liffing: 15. <br> Finesse : 75, Dexterous Maneuvers : 25, Dodge : 25, Hiding and Seeking: 25. <br> Physique : 50, Stamina : 20, Concentration: 15, Recuperation: 15. <br> tellect : 100, Knowledge : 25 (Kilrathi Tactics 10, Arachnids 10), Resourcefulness : 20, Cunning: 15 (Persuasion 10, Seduction 10). Acumen : 85, Perception : 20 (Spot Enemy 10), Performance : 25, Survival: 5 (Wilderness 25). <br> Charm : 60, Personality : 25, Leadership : 20, Diplomacy. 15. |  |  |


| Command : 55, Security : 25, Strategy: 15, Coordination: 15. <br> Science : 70, Technology : 25, Planetology : 25, Geology : 20. <br> Navigation : 85, Vehicle Piloting : 25 (Hellcat 20), Astrogation: 25, Stealth: 15. <br> Tactical : 110, Evasive Maneuvers : 25, Combat Maneuvers : 25, Targeting : 20, Marksmanship : 20, Ballistics: 20. <br> Engineering : 40, Damage Control: 20 (Guns 5), Mechanics : 15. <br> Communications : 20, Trans/ate : 20. <br> Medicine : 25, Intensive Care : 15, Psychology : 10. |
| :---: |
| Traits: $\underline{\text { Navigational Sense }}+5$, Senses (Sight) +5 , Overconfident -5, Impulsive -5. |

## Testes

Testes is a bit of an odd character, having attempted careers in both telecommunications and the culinary arts before finally settling on becoming a combat pilot. Originally flying under the callsign "Mother Gagger", Testes earned his current callsign when he purchased several jars of pickled Kilrathi testicles from a Marine, sautéed them in a white wine sauce and served them to TCS Brak's XO on a dare. He keeps one jar in his locker for good luck. Despite his quirky nature, he's a steady pilot and his knowledge of ECM/ECCM techniques has come in handy on several occasions.


## Snakehead

Snakehead was the first child to be born on planet Oxford; at the time it had not yet been bought by the prestigious Terran university and was still known by its catalog number. Snakehead is a $36^{\text {th }}$ generation Sikh and adheres strongly to the tenets of his faith whenever possible; it's not uncommon to see him wearing his turban in Brak's recreation room. A fair pilot, he is deadly in the cockpit of a Hel/cat and like his usual wingman, Testes, he has some knowledge of electronic countermeasure techniques.

| Lakshman Avtar Raj, Callsign: Snakehead |  |  |
| :---: | :---: | :---: |
| Species: Terran (Confederation) | Rank: First Lieutenant, TCSF | Gender: Male |
| Height: 1.6 m | Mass: 80 kg | Handedness: Left |
| Birth Date: 2636.046 (Age 33; Adult) | Place of Birth: New Raipur, N-1901, Galactic Quadrant A4B, Galactic Sector A3A-A4B (Re-designated: Oxford, Potter Quadrant, Gemini Sector in 2642) | Initiative: +7 |
| Attack Bonuses - Melee: +11 ; Ranged: +12 |  | Saves - Fortitude: 36, Reflex: 37, Willpower: 37 |
| HP/NHP: 66 | HD/THD/FHD: 43/43/50 | SI: 66 |
| Power : 65, Three-Dimensional Maneuvers : 25, Brawling : 25, Liffing: 15. <br> Finesse : 70, Dexterous Maneuvers : 25, Dodge : 25, Hiding and Seeking: 20. <br> Physique : 65, Stamina : 20, Concentration: 25, Recuperation: 20. <br> Intellect : 110, Knowledge : 20 (Sikhism 10, Kilrathi Tactics 10, ECCM 10), Resourcefulness: 25, Cunning: 25 (Persuasion 10). <br> Acumen : 70, Perception : 25, Performance : 20, Survival: 25. <br> Charm : 70, Personality : 20, Leadership : 25, Diplomacy. 25. |  |  |
| Command : 65, Security : 25, Strategy : 20, Guidance : 15, Coordination: 5. <br> Science : 80, Technology : 25, Archaeology: 15 (Anthropology 20), Typhonology: 20. <br> Navigation : 90, Vehicle Piloting : 20 (Hellcat 20), Astrogation : 25, Stealth: 25. <br> tical : 140, Evasive Maneuvers : 25, Combat Maneuvers : 25, Targeting : 20, Marksmanship : 25 (Ion Cannons 10), Ballistics: 25 (ImRec 10). <br> Engineering : 50, Damage Control: 20 (Guns 10), Mechanics : 20. <br> Communications : 20, Trans/ate : 20. <br> Medicine : 35, Intensive Care : 10, Psychology : 15, Specialized Medicine: 10. |  |  |
| Traits: $\underline{\text { Navigational Sense }}+5$, Senses (Sight) +5 , $\underline{\text { Senses }}$ (Sound) +5 , $\underline{\text { Overconfident }}-15$. |  |  |

## Confederation Nugget

The following template may be used for the Confederation trainees intercepting capship missiles from Concordia's deck in Mission 4A/4B.

| Confederation Nugget (Foxtrot November Golf) |  |  |
| :---: | :---: | :---: |
| Species: Terran (Confederation) | Rank: Second Lieutenant, TCSF (Brevet) | Gender: Male |
| Height: 1.8 m | Mass: 100 kg | Handedness: Right |
| Birth Date: 2647.185 (Age 22; Adult) | h: Redwood City, California, United States, Earth | Initiative: +5 |
| Attack Bonuses - Melee: +9 ; Ranged: +9 | Saves - Fortitude: 34, Reflex: 35, Willpower: 37 |  |
| HP/NHP: 64 | HD/THD/FHD: 45/45/50 | SI: 64 |
| Power : 50, Three-Dimensional Maneuvers : 25, Brawling : 15, Liffing: 10. Finesse : 55, Dexterous Maneuvers : 25, Dodge : 20, Hiding and Seeking: 10. Physique : 45, Stamina: 20, Concentration: 15, Recuperation: 10. Intellect : 80, Knowledge : 35, Resourcefulness : 25, Cunning: 20. <br> Acumen : 70, Perception : 30, Performance : 25, Survival: 15. <br> Charm : 75, Personality : 30, Leadership : 25, Diplomacy: 20. |  |  |
| Command : 35, Security : 20, Strategy: 10, Guidance : 5. <br> Science : 40, Technology : 20, Planetology: 15, Geology : 5. <br> Navigation : 60, Vehicle Piloting : 25, Orientation: 15, Astrogation: 10, Starship Piloting : 5, Stealth : 5. Tactical : 45, Evasive Maneuvers : 20, Combat Maneuvers : 15, Targeting : 10. <br> Engineering: 30, Damage Control: 15, Mechanics: 10, Defenses : 5. <br> Communications : 20, Rapport: 15, Translate : 5. <br> Medicine : 25, Intensive Care: 15, Psychology : 10. |  |  |
| Traits: $\underline{\text { Navigational Sense }}+5$, Senses (Sight) +5 , Overconfident $-5, \underline{\text { Impulsive }}-5$. |  |  |

## Generic Confederation Capship Crew

The following set of Disciplines may be used for a generic, 200-point Confederation capital ship crew.

- Command: 105, Inspire: 25, Coordination: 25, Strategy: 20, Security. 15, Guidance: 20.
- Science: 105, Planetology: 25 (Habitable Worlds 10), Technology. 25, Archaeology: 20, Geology: 15, Typhonology: 10.
- Navigation: 105, Starship Piloting: 25 (Destroyers 10), Astrogation: 25, Orientation: 20, Vehicle Piloting: 15, Stealth: 10.
- Tactical: 105, Ballistics: 25 (Torpedoes 10), Marksmanship: 25, Targeting: 20 , Combat Maneuvers: 15, Evasive Maneuvers: 10.
- Engineering: 105, Internal Systems: 20 (Hull 15), Damage Control: 25, Faster-Than-Light Mechanics: 20, Mechanics: 15, Defenses: 10.
- Communications: 105, Trans/ate: 20 (English 15), Rapport: 25, Distress: 20, Intimidate: 15, Negotiate: 10.
- Medicine: 105, Intensive Care: 20 (Slashing Wounds 15), Specialized Medicine: 25, Xenobiology. 20, Treatment. 15, Psychology. 10.


## Generic Kilrathi Capship Crew

The following set of Disciplines may be used for a generic, 200-point Kilrathi capital ship crew.

- Command: 105, Inspire: 25, Coordination: 25, Strategy. 25, Security. 20, Guidance: 10.
- Science: 105, Planetology: 25, Technology: 25 (Alien Craft 10), Archaeology: 20, Geology: 15, Typhonology: 10.
- Navigation: 105, Starship Piloting: 25 (Destroyers 10), Astrogation: 25, Orientation: 20, Vehicle Piloting: 15, Stealth: 10.
- Tactical: 105, Ballistics: 25 (Torpedoes 10), Marksmanship: 25, Targeting: 20, Combat Maneuvers: 15, Evasive Maneuvers: 10.
- Engineering: 105, Internal Systems: 20 (Engines 15), Damage Control: 25, Faster-Than-Light Mechanics: 20, Mechanics: 15, Defenses: 10.
- Communications: 105, Trans/ate: 20 (Kilrathi 15), Rapport: 25, Distress: 20, Intimidate: 15, Negotiate: 10.
- Medicine: 105, Intensive Care: 20 (Laser Wounds 15), Specialized Medicine: 25, Xenobiology: 20, Treatment. 15, Psychology: 10.


[^0]:    Flaws/Bonuses: None

