SHIPS OF THE STAR FLEET

Volume Two: Patrol Combatants

One hundred and ninetieth year of issue

2377-2378

The standard reference guide to the vessels of the Star Fleet

Ships of the Star Fleet

ONE HUNDRED AND NINETIETH EDITION

By Admiral Chris Wallace

Star Fleet Operations / Star Fleet Advanced Starship Design Bureau

This document prepared and published by Team Neko and Team Kempo for the Starfleet Spacecraft Design Advisory Commission.

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PREFACE

This one hundred and ninetieth edition of *Ships of the Star Fleet* continues the tradition of this publication in providing the most comprehensive data on the ships of the line of Star Fleet. This information has been organized to make it easy for the reader to locate the data desired. The individual vessel listings (which appear in chart form) display a ship's current navigational contract code number, the date the ship's keel was laid, the date the vessel was launched from dock to begin acceptance trials, and the date that ship was commissioned into the Star Fleet. Terran local calendar dates have been used for all entries, regardless of the shipyard's location. The illustrations accompanying most starship sections show the side, fore, aft, bottom, and top views of each starship. In addition, the Starship Development Project Logo (where known) for each class is on the first page of each entry. We have also included a picture of the ship in service.

As it has been since the 150th issue, *Ships of the Star Fleet* is broken up into six separate sections. The first three installments deal with the vessels that make up the Star Fleet: Volume One covering Cruisers, Volume Two covering Patrol Combatants (dreadnoughts, frigates, and destroyers), and Volume Three finishing up with Scouts and Escorts. The next two installments deal with the Star Fleet itself. Volume Four will provide coverage on Star Fleet organization, including TacFleet, the Rapid Deployment Force, and the Star Fleet Reserve Force. Volume Five showcases Star Fleet facilities such as starbases, spacedocks, shipyards, and repair facilities. And finally, Volume Six covers the specialized ground-combat forces of the Star Fleet, including the Star Fleet Marine Corps and the groups that make up the Star Fleet Special Operations Command. All of these are of major importance to the effectiveness of the Star Fleet.

The publishers of the 190th edition of *Ships of the Star Fleet* are indebted to the members of Team Kempo and Team Neko for their assistance in both the compilation of data and layout duties. The publishers also wish to thank Admiral Alex Rosenzweig of the Department of Technical Services for providing needed technical information. Commodore David Pipgras of the Office of Graphic Design lent his talents to the logos seen herein, while other members of this illustrious Office rendered the beautiful views of the ships themselves. And a final thank you to the members of the Star Fleet Press Corp who took the beautiful pictures of the ships seen within.

The publication schedule for *Ships of the Star Fleet* is as follows:

Volume One	-	January
Volume Two	-	February
Volume Three	-	March
Volume Four	-	April
Volume Five	-	May
Volume Six	-	June

Compilation of data for the 191st edition (2378-9) has already begun, and comments or additional data are welcome. Information or material should be directed to the Starfleet Spacecraft Design Advisory Commission, Publications Group, Utopia Planitia Spacedock, Mars.

Admiral Chris Wallace
Chief of Star Fleet Operations
March 2377

SHIPS OF THE STAR FLEET

STATE OF THE FLEET

It has been a little over a year since the defeat of the Dominion and their Breen and Cardassian Allies. Though the Federation Alliance proved victorious, the cost was staggering with Starfleet suffering almost two thousand ships and over a million men lost.

The charter of the Star Fleet has always been to defend and explore the Federation. Whilst the ideal is a balance of offensive, defensive, and exploratory capabilities, political and budgetary realities often make this ideal an impossible one to achieve. The Star Fleet has only so large a ship budget, and since the 2340's has pushed for the design and construction of "multi-mission" starship platforms that could perform all three roles, to various degrees. With the Federation-Klingon Alliance and the "disappearance" of the Romulans from everyday affairs, ships like the *New Orleans* class were developed more as explorers than combat vessels. When war broke out between the Federation and the Cardassian Union in 2355, the *New Orleans* class were unable to serve in combat missions due to their lack of photon torpedo launchers. While this problem was quickly rectified, the months that these vessels spent away from the fighting placed heavy demands on the *Ambassador* and *Steamrunner* class ships. Star Fleet learned from the Cardassian War, and by the mid-2360's the new *Akira* and *Norway* classes had entered service, greatly enhancing the force-projection capabilities of the Fleet.

The destruction of the *Galaxy* class cruiser U.S.S. *Odyssey* (CKE 71832) by Jem'Hadar forces in the Gamma Quadrant spurred the Federation into a war footing. Upon assuming the position of Chief of Fleet Operations in 2373, Rear Admiral Chris Wallace embarked on a program to increase the size and strength of TacFleet, primarily by increasing production of *Akira* and *Intrepid* class starships, as well as rushing the final three *Galaxy (II)* class starships into production and beginning full-scale construction of the *Sovereign* class. He also fought hard for additional funding to modernize and re-equip the Star Fleet for extended combat operations.

The Federation entered the war with close to 3,500 Class One starships. At the signing of the Armistice, that number had fallen to below 1,800. In addition, the loss of Command-level officers and the experience they carried have been extremely damaging to the Fleet. Now-Admiral Wallace began the rebuilding of the Star Fleet. Plans call for the force to be up to 2100 ships by 2380 and 2500 ships by 2385. These new ships will need trained crews to man them, so a parallel program to enhance and expand Starfleet Academy has also been implemented, as well as accelerated training for Lieutenant Commanders and Commanders who have shown exceptional ability to advance them to Captain rank and starship command postings.

Currently, the Star Fleet is concentrating on the rapid introduction of vessels of the *Intrepid* and *Norway* classes to augment the Fleet, as both can be produced quickly and inexpensively. Construction of the larger *Sovereign* class has been increased from the current one to two per year (with those vessels already under construction continuing their accelerated build and fitting-out schedules). *Akira* class construction will remain at current levels for the time being, as sufficient numbers exist to meet slated patrol duties.

Construction of large explorers has been curtailed in favor of dedicating resources to the *Intrepid* and *Norway*. Construction funds for five additional *Nottingham* class vessels have been placed on hold, pending a thorough review of both the class and large explorers in general. As for the *Galaxy* class, the *Galaxy* (CKE 70637) is being uprated to *Galaxy (II)* specs during her extensive repair layover and is scheduled to return to Fleet service in six-to-nine months. Both *Challenger* and *Venture* are in need of a new warp-core installation after damage involved in

the Battle for Earth, and both will probably also undergo conversion to *Galaxy (II)* specifications as it is an all-around superior platform.

While Explorer construction is being curtailed, scout and escort construction will continue to be strong. The *Aquila* class of scouts has been approved, with six hulls being funded. The *Defiant* class, with seven ships currently in service, will also probably see additional units acquired.

For the moment, the older *Miranda* and *Soyuz* class ships will continue their tours of duty. However, losses in the Dominion War for these vessels was extensive, and designs for a replacement class of ships are currently being drawn up by the Starfleet Spacecraft Design Advisory Commission.

The current goals for the Star Fleet, then, are an increase from the current 1800 Class One starships in 2377 to 2100 vessels in 2380 and 2500 in 2385. While this represents a net reduction of 1000 ships from the 2375 levels entering the War, the net reduction to TacFleet will only be 250 and they will have far more of the latest and most advanced models at their disposal.

ACHIEVING A 2500-SHIP FLEET

The planned 2500-ship fleet is shown in the last column of Table 1-1. These numbers may be influenced by many factors. The deactivation of older, front-line vessels ahead of schedule (especially *Excelsior* and *Miranda*); the cancellation or cutback of some construction programs; and a changing in the "direction" of the Fleet's primary mission profile in the coming eight-year period are all possible occurrences that could affect Star Fleet's ability to maintain a "2500-ship" fleet.

TABLE 1-1. STAR FLEET STRENGTH (January 2378)

	2375	2376	2377	2380	2385
Active Ships	3384	1865	1954	2200	2500
TacFleet Ships	2046	1073	1112	1500	1750
Active Ships					
Cruisers					
CH	312	239	247	284	317
CS	00	00	00	00	00
CG	85	39	43	90	125
CD	00	00	00	00	00
CKE	09	10	11	14	16
CE	61	48	50	63	77
CA	151	91	95	115	155
CL	57	30	31	34	40
CP	21	03	03	10	20
CT	01	01	01	01	01
Frigates					
FH	47	24	25	30	35
FR	240	110	110	120	140
FF					
Destroyers					
DH	115	115	115	115	115
DD	100	107	107	116	126
Scouts					
SS	45	38	38	38	38
ST	340	190	195	232	262
Patrol Combatants					
DN	02	02	02	04	05
CO	05	06	04	05	05
PKA/PA	110	75	85	100	125
Shuttlecarriers	01	01	01	01	01
Space Control Ships	03	03	03	03	03
Fleet Auxiliaries					
Transports	78	49	54	97	113
Transport/Tugs	375	281	304	328	357
Tenders	150	117	120	138	162
Combat Support	150	81	81	93	110

CRUISERS

The cruiser remains the focal point of the new Fleet strategy and shipbuilding program, including the 5 ships of the *Sovereign* class; the 2 *Galaxy* and 7 *Galaxy (II)* class; 23 *Akira* class; 10 *Intrepid* class; 24 *Nebula* Class; 22 *Excelsior* Class; 3 *Niagara* class; 4 *Challenger* class; 15 *Ambassador* Class; 2 *Nottingham* class and 2 *Prometheus* class.

In 2371, Star Fleet approved construction of a new class of large exploratory cruisers, known as the *Nottingham* class. Designed to slot in below the *Galaxy / Galaxy (II)* class in size and overall mission capabilities, they do carry the latest technology. Five vessels were approved, but with the onset of the Dominion War, only two vessels were laid down. Funding for the third vessel was authorized in 2377 and the final two are expected to receive funding during the next budget process.

The five vessels of the *Sovereign* class proved their worth during the war, and will soon be joined by a fifth. An additional ten vessels of this class have been approved, with construction moving to two a year.

The *Intrepid* class will quickly become the backbone of the new fleet, as they are quick and inexpensive to produce, and offer excellent multi-mission capabilities. Currently forty vessels are planned, at the rate of five a year. This class proved to be a popular and valuable diplomatic courier during the war, and one of the scheduled new builds, U.S.S. *Jaguar* (CE 74750), will be built as a template for a possible new series of Diplomatic Cruisers when she goes active in early 2380. It is hoped this will prove a more cost-effective platform then the single *Bradbury* class diplomatic cruiser.

The *Prometheus* class deep-space tactical cruiser, while proving to be a powerful design, is feared to be too expensive and complicated to build in large numbers and only the prototype is in service.

FRIGATES

Though ships of the *New Orleans* and *Norway* classes continue to serve well, it has been decided to begin preliminary work on a future replacement rather than restarting the production lines.

The Sullivans class of tactical frigate now stands at ten vessels. The earlier Mk. I and Mk. II spec vessels are expected to be modified during general layover to the Mk. III spec of the last three.

DESTROYERS

No new destroyer-type construction is planned for the foreseeable future. The twenty planned *Alaric* (DD 77831) class heavy destroyers will serve as supplement to the earlier *Steamrunner* and *Freedom* classes when they start entering service in 2380. None of these vessels have a very effective scientific capability and additional examples are not being considered at this time.

SCOUTS

The only new scoutship currently under active production is the *Aquila* (ST 77453) class, six of which have been authorized to replace the six century-old *Cygnus* class of scouts. Most of the exploration fleet consists of older ships, but due to the narrowness of their mission parameters, they are still more than capable of fulfilling their intended role.

A handful of *Yeager* class scouts were built during the war from components of *Intrepid* and other classes, but their "Frankenstein" nature has proven to be of rather dubious value and all are planned for immediate retirement.

The *Oberth* class currently make up the bulk of the scout fleet, with the swift *Cheyenne*'s being used on deep-range mapping missions for later follow-up by *Sovereign*, *Galaxy*, and *Intrepid* class vessels. The twelve vessels of the *Nova* class will help supplement the *Oberth*'s in this role.

TABLE 1-2. STAR FLEET SHIPBUILDING PROGRAM

Number/ Type		2380	2381	2382	2383	2384	2385
CKE 78505	Large Exploratory Cruiser/*Nottingham* class	01	00	01	00	00	00
CH 73811	Heavy Cruiser/*Sovereign* class	02	02	02	02	02	02
CL 60590	Light Cruiser/*Nebula* class	02	02	03	04	05	05
CE 74655	Cruiser/*Intrepid* class	05	05	05	05	10	10
CG 62497	Battlecruiser/*Akira* class	05	05	05	05	05	05
DN 73820	Dreadnought/*Entente* class	01	00	00	00	00	00
DD 77831	Destroyer/*Alaric* class	04	04	04	04	02	02
ES 74205	Escort/*Defiant* class	05	05	05	10	10	10
ST 77453	Scout/*Aquila* class	02	01	01	00	00	00
TR 64381	Transport/*MacPherson* class	10	10	10	10	10	10

PATROL COMBATANTS

Two of the four vessels of the *Entente* class dreadnought have completed their outfitting and are now on patrol duties. At this time, there are no plans for any additional dreadnought construction, nor is Star Fleet actively looking at any new designs.
The new *Defiant* class of escort is currently entering full production with a final build rate of five per year expected around 2380. At this time funding for twenty of these vessels has been approved, though that number is expected to at least double, if not triple, in the years ahead as these ships look to be an excellent value.

SHUTTLECARRIERS

At this time, no additional vessels of the *Courageous* class have been built and funding for the second through fourth vessels has been formally cancelled before construction could begin. As for *Courageous* herself, she is expected to remain close to Romulan space for the time being.

SPACE CONTROL SHIPS

Mistrusted and misunderstood since their inception in 2285, the Space Control ship's future remains with the three vessels of the *Griffon* class, which performed great service during the Dominion War. However, Star Fleet has yet to convince the Federation Council to fund additional vessels. Perhaps their heavy role in the rebuilding process might change this but, at this time, it is expected that these three ships will remain the limit.

COMMAND SHIPS

The large Fleet actions against the Dominion reinforced the need for Star Fleet to begin consideration of building more Command Cruisers. Though three vessels of the *Sovereign*-based *Whitehall* class have been constructed, they are far too expensive for additional production. A proposal has been drafted for a command ship based on the *Intrepid* class cruiser. It is currently under review by the ASDB and SSDAC.

FLEET AUXILLIARY VESSELS

With the massive movement of supplies, materials, and personnel needed to begin the task of rebuilding the Federation, a large number of auxiliary ships have been authorized for construction. The *MacPherson* (TR 64381) class will be more than doubled in size from the current forty ships to one hundred. In addition, the remaining vessels of the old *Doppler* and *Dollond* classes have been recalled from mothballs and pressed into service on the closer runs, where there slower speeds are not as much an issue.

SHIP CLASSIFICATIONS

Star Fleet ships and small craft are classified by type and by sequence within that type. The list of classifications (by approval of the Federation Commissioner for Star Fleet) is issued periodically, updating a system begun in 2208. Star Fleet's current list, based on a format developed in 2290, seeks to offer the most comprehensive definition of the types and missions undertaken by the ships of the Star Fleet.

The following classifications are contained on the current list.

Class One Vessels

Cruisers

CH	Heavy Cruiser
CS	Strike Cruiser
CG	Battlecruiser
CD	Through-Deck Cruiser
CKE	Large Exploratory Cruiser
CE	Exploratory Cruiser
CA	Cruiser
CL	Light Cruiser
CT	Tactical Cruiser
CP	Patrol Cruiser

Frigates

FH	Heavy Frigate
FR	Frigate
FF	Fast Frigate
FS	Small Frigate
FT	Strategic Frigate

Destroyers

DH	Heavy Destroyer
DD	Destroyer
DF	Fast Destroyer
DS	Super Destroyer

Scouts

SS	Superscout
ST	Scout

Patrol Combatants

DN	Dreadnought
DNF	Dreadnought-Frigate
BB	Battleship
CKV	Large Carrier
CVS	Strike Carrier
CV	Carrier
PKA	Large Perimeter Action Ship
PA	Perimeter Action Ship
ET	Escort
CV	Corvette
FT	Fighter-Interceptor

Specialized

CO	Command Ship
SC	Shuttlecarrier
SO	Space Control Ship

Class One Auxilliaries

Support Ships

TR	Transport
TT	Transport-Tug
TE	Tender
TU	Tug
SP	Combat Support Ship
SM	Medical Ship
CR	Courier
RB	Runabout

A NOTE ABOUT REGISTRIES

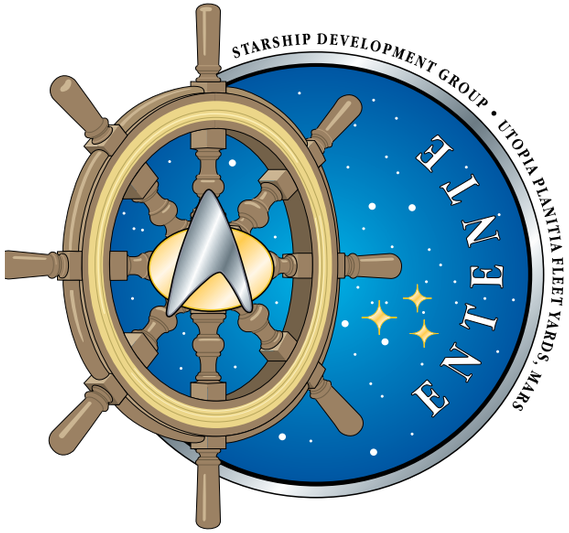
Before 2315, Federation starship NCC numbers were assigned by class – i.e. the *Enterprise* class heavy cruiser was assigned numbers in the 1700 range. However, as class numbers were assigned, there either became a waste of numbers (when classes did not fill the range assigned to them) or shortages (where a class was built beyond the range reserved for it). An example of this is the *Belknap* class strike cruiser. Twenty vessels were originally envisioned for this class, and the numbers 2500-2519 were assigned to it. The *Ascension* class dreadnought, itself a variant of the *Belknap* class, was then assigned the numbers 2520-2536 to fill the sixteen vessels projected for procurement. However, the *Belknap* class proved so effective that an additional eight vessels were ordered in 2280. As 2520-2536 were already assigned to the *Ascensions*, these new *Belknap* vessels were assigned the registry numbers 2537-2444. However, shortly thereafter the dreadnoughts fell out of favor and the *Ascension* class was halted at ten (2530), leaving a gap of six unused numbers. This was later filled by the six vessels of the *Impervious* class (CA 2531), which were specifically assigned those NCC numbers for just that purpose.

In 2315, the Office of Starship Registry decided to assign registry numbers in blocks of 100 to the various starship construction facilities within the Federation. As a vessel was commissioned at each facility, it would be assigned the next available number in that block. When a block was expired, it would be assigned a new block of 100 registries. This policy was first instituted with the *Deneva* class of scoutships, the lead vessel being assigned the number 6200 from the pool 6200-6299 assigned to the San Francisco Fleet Yards where it was produced.

Highly controversial at the time, the new policy did eliminate the waste of NCC numbers. However, to the layman, NCC numbers are now strewn about with what appears to be no apparent rhyme or reason. In fact, while NCC numbers *across* classes have no definable pattern, *within* classes the registry numbers are in ascending order based on build date. So while the *Galaxy (II)* class vessel U.S.S. *Bright Star* (CKE 71875) was commissioned *after* the *Intrepid* class U.S.S. *Voyager* (74656), *Bright Star*'s registry is higher than those *Galaxy* class vessels that preceded her from Utopia Planitia.

For large vessels like the *Galaxy, Nebula*, and *Sovereign* classes, vessels are generally ordered singly. Therefore, they usually have registries a few hundred numbers apart. Smaller vessels like the *Saber* and *Norway* classes are ordered in groups of four or five from the same shipyard, and as such these groups of vessels often have numbers falling one-after-the-other like the 23rd century days.

PATROL COMBATANTS



ENTENTE
CLASS DREADNOUGHT

5 DREADNOUGHTS: "ENTENTE" CLASS

Number	Name	Builder	Laid Down	Launched	Commissioned	Status
NCC-73820	*Entente*	Utopia Planitia Fleet Yards, Mars	January 2365	December 2372	June 2373	Active
NCC-73821	*Mir*	Utopia Planitia Fleet Yards, Mars	January 2365	January 2373	June 2373	Active
NCC-76534	*Ticonderoga*	Utopia Planitia Fleet Yards, Mars	December 2369	October 2377		Trials
NCC-76560	*Broadsword*	Utopia Planitia Fleet Yards, Mars	January 2370	October 2377		Trials
NCC-77445	*Joan of Arc*	Utopia Planitia Fleet Yards, Mars	October 2370			Building

***Class*:** The first modern dreadnought, the *Entente* Class, entered Fleet service in 2371 in a design competition with the *Galaxy (II)* Class Improved Large Exploratory Cruiser. The *Entente* Class was created by adding a third nacelle to the *Galaxy* Class spaceframe, as well as improvements in her tactical and shielding systems. As soon as the *Entente* entered service the extreme cost (close to 30% of a new-build vessel) dampened the prospects of additional vessels. Also, advances in weapons and shielding systems had made some of the newer vessels (like the USS *Bright Star* and the *Sovereign* class) almost their equal. However, tensions in the Gamma Quadrant with the Dominion made it seem prudent to continue development, and possible construction, of large combat vessels.

***Classification*:** The *Entente* class is designated as a dreadnought.

***Design*:** From a distance, both the *Galaxy* and *Entente* Classes look similar (sans the third nacelle). It is only when viewed from closer angles do the obvious differences between the classes become apparent. Modifications did need to be made, including the removal of Shuttlebays Two and Three (operations were considered too dangerous with the nacelle right there) and Shuttlebay One's storage space was expanded 75% to make up for the loss of the other two bays.

***Engineering*:** The third LN-41 nacelle was mounted on a special strut extending up from the secondary hull. Only one warp core is installed with modifications to provide the additional reactants necessary to power three nacelles. The system maintenance penalty stands about 15% more than a *Galaxy* Class, though reactant consumption is close to double.

***Tactical*:** Initial plans were to add the Type XII phaser strip, but additional thought on the issue decided that sticking with improved-duration Type X units with sustained firing times increased to 35% over a standard Type X. Mounting of the FSS shield system proved impossible, and the FSQ/2 was fitted. The Mk 95 photon torpedo system was fitted to allow the firing of quantum torpedoes, but additional punch was wanted. Fitting additional photon torpedo launchers was not really an option, so it was decided to fit a massive phaser cannon on the bottom of the saucer that extends back to the dorsal connector. This cannon is fed by special high-capacity plasma conduits, but still allows separated flight mode. Output is classified, but it is rumored to be able to punch through the shields of any known starship. In addition, two narrow-beam phaser canons similar to those used on the *Defiant* Class were fitted to either side of the bridge to improve forward firepower.

Both a Combat Information Center and *Aegis* are standard on the *Entente* Class. CETIS MK III with Type 225 TACAR II (Target Acquisition Center Accelerated Response) remain standard equipment, though the 42/ADA Countermeasures Support System has been added. The mounting hardware of the third nacelle allowed all three shuttlebays to remain in their original positions Embarked craft is about double that of a *Galaxy*, including a mix of runabouts, shuttles, and *Peregrine* fighters.

***Computer Systems*:** The *Entente* Class carries the same M-15 Isolinear III with LCARS system as the *Galaxy* Class with a tactical suite similar to that found on the U.S.S. *Bright Star*. The *Aegis* and other mission-specific computer hardware integrate directly with the onboard computer system, though multiple redundancies are in place to insure that they will continue to operate in case of primary computer failure.

***Builders*:** Shinohara Heavy Industries was chosen as the prime contractor due to their experience in large-scale starship designs, having worked on the *Galaxy* Class project. DaimlerChrysler Aerospace provided support, as they had built the *Nebula* class. All of the *Entente* Class vessels were built at Utopia Planitia.

Development and Construction History: The ASDB finalized the design in December of 2364 and it was decided to use the two remaining partial *Galaxy* class hulls for construction. Once war with the Dominion had been declared, four more vessels were laid down. Construction on *Entente* (DN 73280) was completed in December 2372 and *Ticonderoga* (DN 73281) was completed in January 2373. Three additional vessels were approved in 2369 and 2370, with two in trials and one building.

Current Specifications for the *Entente* class:

Displacement:	5,520,000 mt	
Overall Length:	643 m	
Overall Draft:	195 m	
Overall Beam:	464 m	
Propulsion:	Three LF-41 Mod 1 energized-energized antimatter warp drive units with Continual Warp Field Balance Generation	
	(System Contractor: Leeding Energies, Sydney, Earth)	
	Two FIG-5 subatomic unified energy impulse units	
	(System Contractor: Kloratis Drives, Tellar)	
	QASR-2 particle beam maneuvering thrusters	
	(System Contractor: Scarbak Propulsion Systems, Earth)	
	"Trentis IV" pulsed laser reaction control system	
	(System Contractor: Orage Ijek, Aksajak, Andor)	
Velocity:	Warp 7.0	Standard Cruising Speed
	Warp 9.5	Maximum Cruising Speed
	Warp 9.9	Maximum Attainable Velocity
Duration:	5 years, standard	
Complement:	90	Officers
	575	Enlisted Crew
	1000	Passengers (Normal – Up to 5000 maximum)
	500	Marines (Normal – Up to 5000 maximum for short duration)
	2165	Total Crew (Standard)

Embarked Craft:	1	*Danube* Class Runabout
	4	Type 6 Personnel Shuttle
	4	Type 7 Personnel Shuttle
	6	Type 9A Cargo Shuttle
	20	Type 10 Combat Drop Shuttles
	10	Type 16 Shuttlepod
	8	*Peregrine* Class Fighter
	1	S-3 *Sentry* SWAC Shuttle
Navigation:	RAV / ISHAK Mod 3 Warp Celestial Guidance	
	(System Contractor: Tlixis Ramab RRB, Coridan III)	
Computers:	M-15 Isolinear III with LCARS interface software	
	(System Contractor: Daystrom Computer Systems, Luna)	
Phasers:	12 Type X Collimated Phaser Array	
	(System Contractor: HiBeam Energies, Earth)	
Phasers:	2 Type XII Phaser Cannon	
	(System Contractor: HiBeam Energies, Earth)	
Phasers:	1 Type XIII Phaser Cannon	
	(System Contractor: HiBeam Energies, Earth)	
Missiles:	4 Mk 95 Photon Torpedo Launchers	
	(System Contractor: Loraxial, Andor)	
Defense:	FSQ/2 Primary Force Field	
	(System Contractor: Charlottes Shields, Earth)	
Life Support:	MM6 Modular Gravity Unit	
	(System Contractor: Morris Magnatronics, Palyria, Mars)	
	AL4 Life Support System	
	(System Contractor: A'Alakon Landiss, Divallax, Andor)	

NCC-71807

THE ENTENTE CLASS DREADNOUGHT U.S.S. ENTENTE (DN 73820) ENTERS AN UNCHARTED STAR SYSTEM

THE ENTENTE CLASS DREADNOUGHT U.S.S. MIR (DN 73821) AND THE NEBULA CLASS CRUISER U.S.S. ULYSSES (CL 66808) ON JOINT PATROL NEAR THE BREEN / FEDERATION BORDER

SHUTTLECARRIERS

COURAGEOUS
CLASS SHUTTLECARRIER

1 SHUTTLECARRIER: "COURAGEOUS" CLASS

Number	Name	Builder	Laid Down	Launched	Commissioned	Status
NCC-74512	*Courageous*	Utopia Planitia Fleet Yards, Mars	September 2366	January 2373	June 2373	Active

***Class*:** It has been almost five decades since the last Starfleet shuttlecarrier plied the spaceways. With the success of the Space Control Ship programs, shuttlecarriers became too expensive to justify further production or development. The existing vessels served out their initial life expectancy programs and then were mothballed.

The current Space Control Design, the *Griffon* class, is incredibly expensive and will probably not proceed past the three vessels already produced. Based on calls by certain members of the Military Staff Committee, the Office of Research and Development commissioned a study of a possible new shuttlecarrier design to fill the need of large-scale colonization efforts. And with the stunning defeat of the Federation fleet under the command of Admiral Hansen against the Borg at Wolf 359, the need for a new class of "super battleships", while unpalatable to Starfleet's exploratory nature, were nonetheless deemed necessary to insure the Federation's security.

The U.S.S. *Courageous* was the first of what may become a new class of Shuttlecarriers. Designed to fight the Borg, she is probably the most powerful vessel in existence.

***Classification*:** The *Courageous* Class was designated from the outset as a shuttlecarrier.

***Design*:** The *Courageous* uses the primary hull and propulsion system of the *Galaxy* class exploratory cruiser. The secondary hull is based on the *Galaxy* class, though the rear end has been modeled after the old *Avenger / Endurance* classes with massive hangar facilities and a large rollbar. The *Courageous* class is similar in internal layout to the *Olympus* class dreadnought, with additional space set aside for the large flight crew and hangar support personnel.

***Engineering*:** Initial plans were to use the Shuvinaaljis Warp Technologies LF-42 warp engines with the *Courageous*, as they were designed for vessels massing up to six million metric tons. However, computer modeling showed that the LF-43 series in a tandem configuration would be able to provide the performance envelope necessary for the *Courageous* class. Even so, the design limits top cruising speed to Warp 8 and maximum speed to slightly over Warp 9.

***Tactical*:** As fitting a replacement for the original shuttlecarrier, the *Courageous* class is bristling with weapons. As designed, it is equal to the *Griffon* class in firepower and far beyond the *Galaxy*

class. She mounts fourteen Type X phaser arrays, four Type X+ multi-directional phaser cannon (MDPC), four Mk 80 photon torpedo and four plasma torpedo launchers, the latter based on the Klingon weapon system. Fire-control is provided by the CETIS Mk III system with Type 225 TACAR II. The *Aegis* system was fitted as the Courageous class are designed to act as central ship of a Task Force. In addition, an extensive traffic-control suite has been added to control the large volume of embarked craft. The *Courageous* is fitted with the FSQ/2 deflector shield system fitted on the *Olympus* class.

The *Courageous*' hangar facilities are the largest ever seen since the *Ariel / Fredrickstad* classes, dwarfing even the massive ones on the *Griffon*. Based on the *Avenger / Endurance* class arrangement, they are designed to launch and retrieve fighters simultaneously via two large bays. There is extensive holding and flight-prep areas which allow the *Courageous* to maintain full combat operations for periods of up to eight hours.

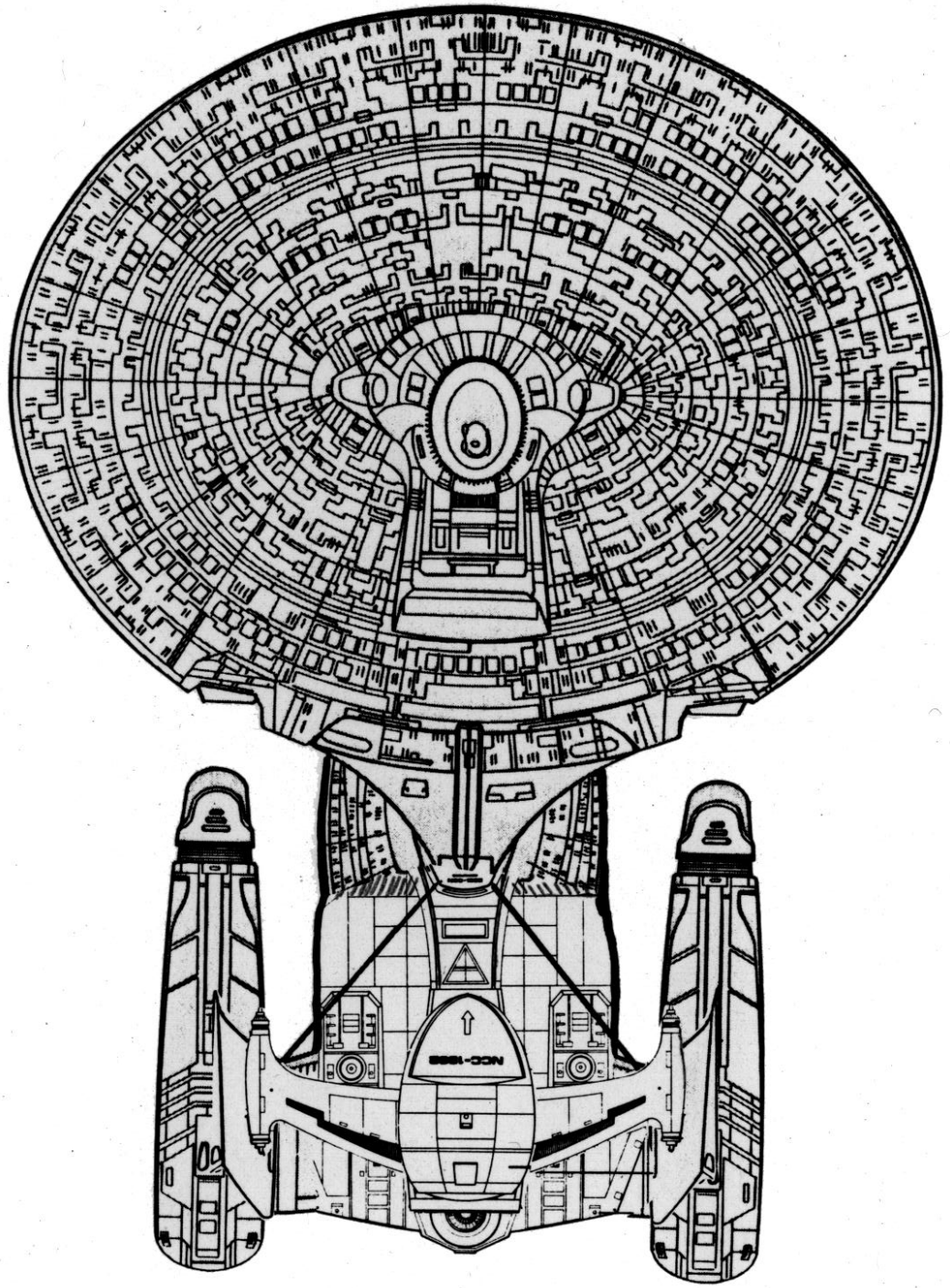
Fully loaded, the *Courageous* can carry almost 300 craft. Standard compliment includes seven squadrons of *Peregrine* class fighters, thirty 50-man combat drop shuttles for planetary assault, four *Danube* class runabouts, and another fifty shuttlecraft of various types.

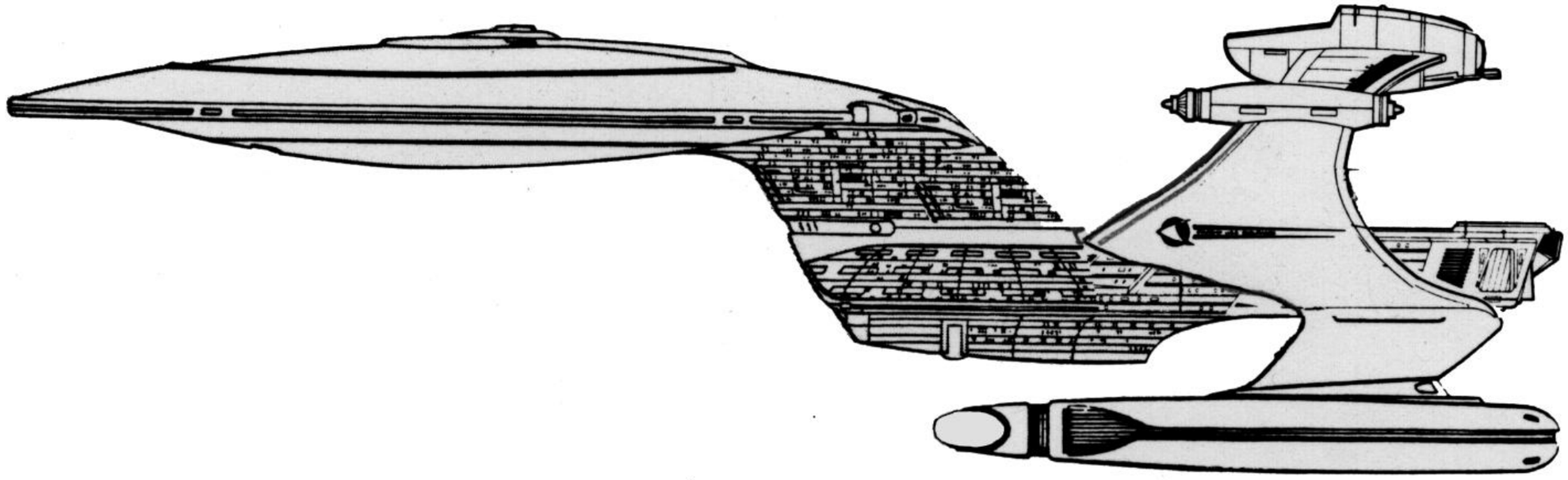
***Computer Systems*:** The M-15 Isolinear III with LCARS (**L**ibrary **C**omputer **A**ccess and **R**etrieval **S**ystem) interface standard on the *Galaxy / Nebula* classes is used on the *Courageous*, along wth the Coridan RAV/ISHAK Warp Celestial Guidance system found on the *Galaxy / Nebula* is also standard. The Coridan RAV/ISHAK Warp Celestial Guidance system found on the *Galaxy / Nebula* is also standard.

***Builders*:** Shinohara Heavy Industries teamed with Daimler-Chrysler aerospace for constructing this behemoth. Shinohara provided the basic *Galaxy* parts, while D-C took care of the rollbar and hanger modifications.

Development and Construction History: The initial plans were for three vessels, however the staggering cost of *Courageous* precluded immediate funding of her two sisters. As the lead vessel neared completion, the escalating conflict with the Dominion necessitated construction funds be allocated to other vessels.

Once *Courageous* entered service, she was assigned to defend Sector 001 where her size and compliment allowed literally a dozen other ships to be reassigned to front-line operations. She did take place in the final assault against Cardassia, providing five wings of fighters and a half of a division of troops.





Current Specifications for the *Courageous* class:

Displacement	5,790,000 mt	
Overall Length	642.51 m	
Overall Draft	234.4 m	
Overall Beam	463.73 m	
Propulsion:	Two LF-43 Mod 1 energized-energized antimatter warp drive units (System Contractor: Leeding Energies, Sydney, Earth)	
	Two FIG-5 subatomic unified energy impulse units (System Contractor: Kloratis Drives, Tellar)	
	QASR-2 particle beam maneuvering thrusters (System Contractor: Scarbak Propulsion Systems, Earth)	
	"Trentis IV" pulsed laser reaction control system (System Contractor: Orage Ijek, Aksajak, Andor)	
Velocity:	Warp 6.0	Standard Cruising Speed
	Warp 8.0	Maximum Cruising Speed
	Warp 9.2	Maximum Attainable Velocity
Duration:	5 years, standard	
Complement:	225	Officers
	1600	Enlisted Crew
	1500	Marines
	175	Flight Crew
	0	Passengers (Normal – Up to 5000 Maximum)
	3500	Total Crew (Standard)

Embarked Craft:	4	*Danube* Class Runabout
	10	Type 6 Personnel Shuttle
	10	Type 7 Personnel Shuttle
	10	Type 9A Cargo Shuttle
	30	Type 10 Combat Drop Shuttle
	10	Type 16 Shuttlepod
	48	*Peregrine* Class Fighter
	4	S-3 *Sentry* SWAC Shuttle
Navigation:	RAV / ISHAK Mod 3 Warp Celestial Guidance (System Contractor: Tlixis Ramab RRB, Coridan III)	
Computers:	M-15 Isolinear III with LCARS interface software (System Contractor: Daystrom Computer Systems, Luna)	
Phasers:	14 Type X Collimated Phaser Array (System Contractor: HiBeam Energies, Earth)	
Phasers:	4 Type X+ Megaphaser Cannon (System Contractor: HiBeam Energies, Earth)	
Missiles:	4 Mk 85 Photon Torpedo Launchers (System Contractor: Loraxial, Andor)	
Missiles:	4 Mk 20 Plasma Torpedo Launchers (System Contractor: K'oriv, Q'o'nos)	
Defense:	FSQ/2 Primary Force Field (System Contractor: Charlotte Shields, Earth)	
Life Support:	MM6 Modular Gravity Unit (System Contractor: Morris Magnatronics, Palyria, Mars)	
	AL4 Life Support System (System Contractor: A'Alakon Landiss, Divallax, Andor)	

SPACE CONTROL SHIPS

GRIFFON
CLASS SPACE CONTROL SHIP

3 SPACE CONTROL SHIP: "GRIFFON" CLASS

Number	Name	Builder	Laid Down	Launched	Commissioned	Status
NCC-72300	*Griffon*	Utopia Planitia Fleet Yards, Mars	July 2366	August 2369	January 2370	Active
NCC-72305	*Pendragon*	Utopia Planitia Fleet Yards, Mars	July 2366	September 2369	February 2370	Active
NCC-73102	*Royal Sovereign*	San Francisco Fleet Yards, Earth	April 2369	May 2372	October 2372	Active

***Class*:** Since the commissioning of the first Space Control Ship - the U.S.S. *Ingram* * NCC-2001 - in 2285, the SCS has been the hot topic amongst Star Fleet's and the Federation's leadership. The *Excelsior* and *Ingram* Classes continue to serve in Star Fleet well beyond the design's projected service lifetime, with some of these hulls are now in their ninth decade of service. Until recently, the Military Staff Committee had steadfastly refused to consider the construction of a new generation of Space Control Ships, instead favoring a design which would eventually become the *Entente* Class dreadnought for Star Fleet's next "battlewagon". Nonetheless, there were still many of Star Fleet's "hawk" admirals who felt that there was a role for an SCS in the Fleet.

***Classification*:** The *Griffon* Class was originally classified as a Space Control Ship, but there has been talk of reclassifying it as an Exploratory Battleship in an effort to make the design more palatable to the MSC for consideration of additional vessels.

***Design*:** Unlike previous SCS designs, the *Griffon* Class is designed to be a multi-mission platform, able to perform military, exploration, and transport / colonization roles. As a military platform, the ship carries the latest in Federation weapons technology and would be the most powerful vessel in Fleet service. As an Explorer, the ship is designed with a laboratory and sensor suite equal to that of the *Galaxy* Class large exploratory cruiser. And her large internal spaces, though not as big as the *Galaxy* Class, are more flexible and allow her to carry up to five thousand colonists and their supplies.

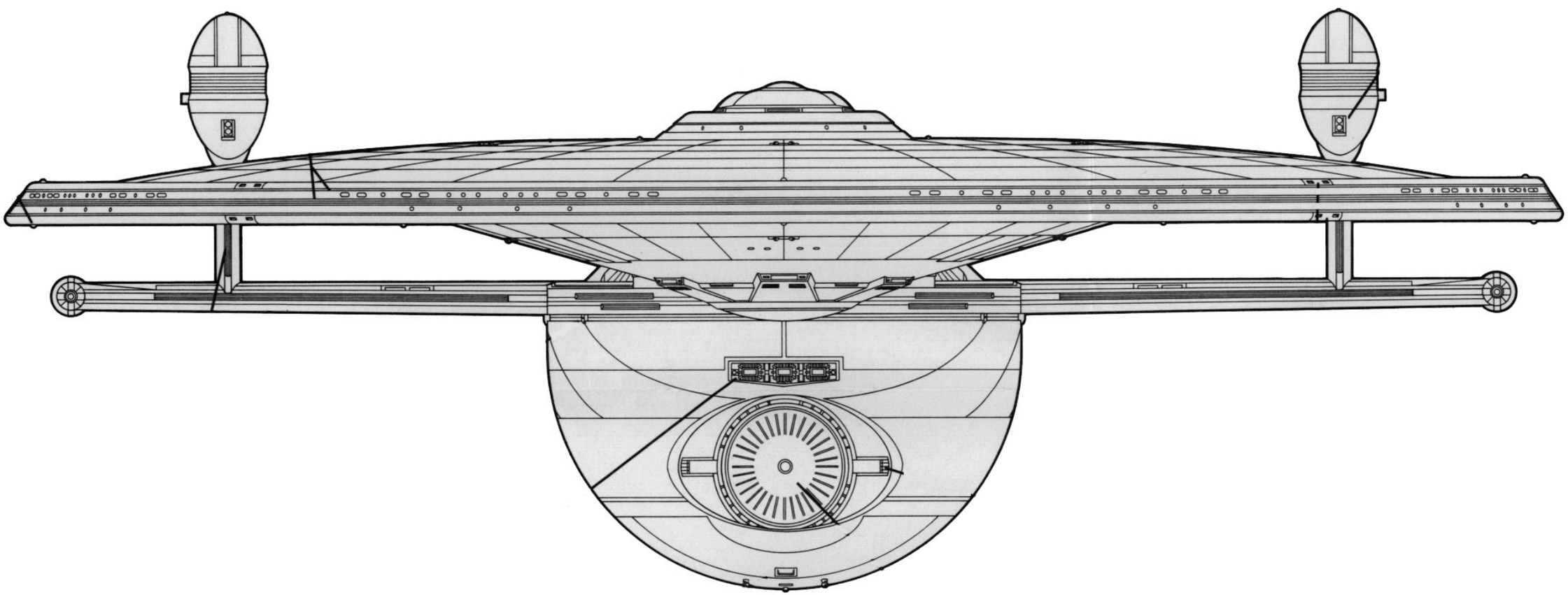
In an effort to keep design and construction costs down, it was decided to use the *Ingram* Class space control design as the basis for the *Griffon*. The dimensions were scaled up 20% to provide the increase in internal volume to more adequately meet the stated mission requirements. Internal layout is essentially the same as the *Ingram*, with additional room dedicated to exploration / scientific operations, and staterooms and offices similar to those on the *Galaxy* Class.

***Engineering*:** The SCS-X is equipped with the Shuvinaaljis LF-42 warp engines. The most powerful of the LF-4X series drives, they are 30% more powerful than the LF-41 system carried on the *Galaxy* and *Olympus* Classes and were designed for vessels massing up to six million metric tons. As the *Griffon* Class weighs about half that, cruising speed is Warp 8 with a design-limited top speed of Warp 9.5, which can be maintained for 24 hours before serious systems damage ensues.

***Tactical*:** The *Griffon* mounts nine Type X collimator phaser arrays along with three forward firing and one aft-firing Mk 90 photon torpedo launchers. Four Type X+ megaphaser canons are also mounted on the secondary hull. As it is designed to be the centerpiece of a Task Force, the *Griffon* carries a Combat Information Suite (C.I.C.) to control the myriad of sensors and weapons systems. The C.I.C. is connected to the central computer cores, the main bridge, the auxiliary bridge, the CETIS / TACAR weapons systems, the SWACS (**S**paceborne **W**arning and **C**ontrol **S**huttles), and the *Aegis* Fleet Fire-Control System. When in combat, the Commanding Officer and Tactical Officer reside in C.I.C. while the Executive Officer controls the ship from the main bridge. Hangar deck and cargo facilities have been enlarged in proportion to the ship itself. Standard embarked craft include four *Danube* Class runabouts and two squadrons of *Peregrine* fighters. Shuttlecraft are standard as per *Excelsior* and *Ingram* Class vessels. A total of 100 small craft can be carried. Special modules can be bolted in to allow the barracking of up to 5000 Marines for planetary operations.

The FSS shield system was designed specifically for the *Griffon* Class. An experimental Alkaran design, the FSS uses three separate shield layers. As the outer layer is breached, the inner layers take up the slack while the breached layer is regenerated underneath. In total, shield power is double that of the FSQ shield system used in the *Galaxy* Class. An FCE-2 cloaking device has been integrated into the FSS shield system, though when engaged shield power is reduced by 60% and weapons cannot be fired through it without disrupting the field. Due to the complexity, the FSS cannot be retrofitted to existing spaceframes.

The electronics suite includes the CETIS Mk III with Type 225 TACAR II (**T**arget **Ac**quisition



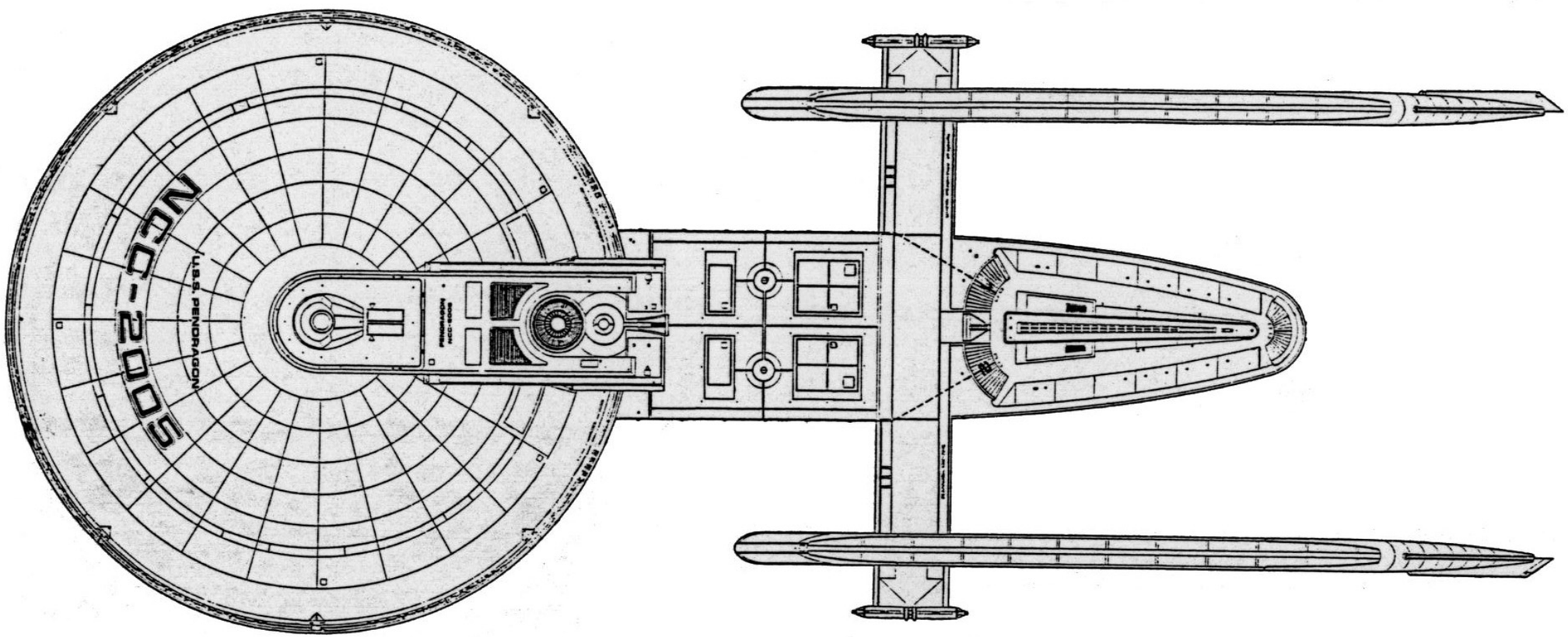
Accelerated **R**esponse) fire-control system. The inclusion of the *Aegis* Fleet Fire-Control system allows the *Griffon* to command other Federation vessels at the Task Force level, providing a cohesive offensive and defensive response in combat situations. A Link 35 communications core is utilized in this system for secure communications. The ship also offers the 42/ADA Countermeasures Support System.

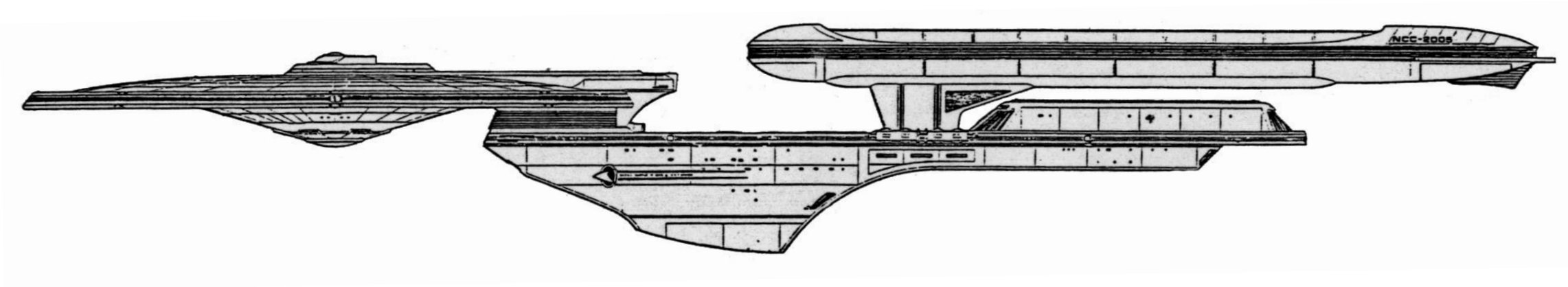
***Computer Systems*:** The M-15 Isolinear III with LCARS (**L**ibrary **C**omputer **A**ccess and **R**etrieval **S**ystem) interface standard on the *Galaxy / Nebula* Classes is used on the *Griffon*. Space has been provided to upgrade to the M-16 system when it becomes available. The Coridan RAV/ ISHAK Warp Celestial Guidance system found on the *Galaxy / Nebula* is also standard.

***Builders*:** Boeing-Mitsubishi Heavy Industries, prime contractors on the original *Ingram* class, were chosen to handle the *Griffon* class. This proved to be a wise choice, as it resulted in a relatively trouble-free building period. The first two vessels were built at Utopia Planitia, with the third being built at San Francisco.

Development and Construction History: The *Griffon* design was submitted to the ASDB in February of 2366. It was then sent to the Military Staff Committee in May of that year and, surprisingly, approved. The Federation Council authorized funds for construction, and the two hulls were laid down in July 2366 at the Utopia Planitia Fleet Yards on Sol IV. A second hull was approved one month later and the construction of both vessels was essentially without major incident. This was attributed to the use of the *Ingram* Class design, all the "bugs" of which had long been worked out over the decades. As construction was little more than building a bigger version of an *Ingram*, completion of the spaceframes was quick. The first hull, U.S.S. *Griffon*, was completed in August of 2369 with the second vessel, U.S.S. *Pendragon*, completed in September. A third vessel, *Royal Sovereign*, was added in 2369 and entered service in October of 2372.

Nomenclature: The *Griffon* was assigned the NCC number of 72300. The *Pendragon* was assigned NCC 72305. *Royal Sovereign* received 73102. The *Griffon* was sent on an extended exploration mission along with Triangle area while the *Pendragon* assumed command of Task Force 8 and currently monitors the Romulan Neutral Zone area. *Royal Sovereign* patrols with the Twelfth Fleet. All three performed admirably during the Dominion War. *Royal Sovereign* was awarded the Federation Presidential Unit Citation for their work in the Invasion of Chin'Toka.





Current Specifications for the *Griffon* class:

Displacement	3,680,000 mt	
Overall Length	708 m	
Overall Draft	106 m	
Overall Beam	285 m	
Propulsion:	Two LF-42 Mod 1 energized-energized antimatter warp drive units (System Contractor: Shuvinaaljis Warp Technologies, Vulcan)	
	Two FIG-5 subatomic unified energy impulse units (System Contractor: Kloratis Drives, Tellar)	
	QASR-2 particle beam maneuvering thrusters (System Contractor: Scarbak Propulsion Systems, Earth)	
	"Trentis IV" pulsed laser reaction control system (System Contractor: Orage Ijek, Aksajak, Andor)	
Velocity:	Warp 8	Standard Cruising Speed
	Warp 9.3	Maximum Cruising Speed
	Warp 9.5	Maximum Attainable Velocity
Duration:	5 years, standard	
Complement:	141	Officers
	524	Enlisted Crew
	1000	Passengers (Normal – Up to 5000 maximum)
	0	Marines (Normal – Up to 5000 maximum for short duration)
	1665	Total Crew (Standard)
Embarked Craft:	4	*Danube* Class Runabout
	4	Type 6 Personnel Shuttle
	4	Type 7 Personnel Shuttle
	4	Type 9A Cargo Shuttle
	20	Type 10 Combat Drop Shuttles
	8	Type 16 Shuttlepod
	48	*Peregrine* Class Fighter
	4	*Avenger* Class Runabout
	4	S-3 *Sentry* SWAC Shuttle

Navigation:	RAV / ISHAK Mod 3 Warp Celestial Guidance (System Contractor: Tlixis Ramab RRB, Coridan III)
Computers:	M-15 Isolinear III with LCARS interface software (System Contractor: Daystrom Computer Systems, Luna)
Phasers:	9 Type X Collimated Phaser Array (System Contractor: HiBeam Energies, Earth)
Phasers:	4 Type X+ Megaphaser Cannon (System Contractor: HiBeam Energies, Earth)
Missiles:	4 Mk 90 Photon Torpedo Launchers (System Contractor: Loraxial, Andor)
Defense:	FSS Primary Force Field (System Contractor: Sylvanesti Shields, Alkara XV)
	FCE-2 Integrated Cloaking Device (System Contractor: Sylvanesti Shields, Alkara XV)
Life Support:	MM6 Modular Gravity Unit (System Contractor: Morris Magnatronics, Palyria, Mars)
	AL4 Life Support System (System Contractor: A'Alakon Landiss, Divallax, Andor)

COMMAND SHIPS

WHITEHALL
CLASS COMMAND SHIP

3 COMMAND SHIPS: "WHITEHALL" CLASS

Number	Name	Builder	Laid Down	Launched	Commissioned	Status
NCC-74621	*Whitehall*	San Francisco Fleet Yards, Earth	January 2367	April 2374	December 2374	Active
NCC-74684	*Empyrean*	Utopia Planitia Fleet Yards, Mars	March 2367	June 2374	February 2375	Active
NCC-75217	*Versailles*	San Francisco Fleet Yards, Earth	May 2368	August 2375	March 2376	Active

The last command cruiser introduced by Star Fleet Command was the *Joshua* class in the early 2290's. Command Cruisers have always been a rarity within the Star Fleet structure as Star Fleet rarely operates beyond the Task Force level, and when they did, they usually had a dreadnought or other large capital ship present to provide overall command and control.

By the early 2320's and the arrival of the *Ambassador* class, Star Fleet has retired all of their dreadnoughts and the four *Balson* class command cruisers. The thirteen vessels of the *Joshua* class continued on, as they were based on the highly successful *Excelsior* series, though they too were slowly pulled out of service after the Tolmed Incident. In 2355, the remaining three active *Joshua's* were updated with the new LF-41 drive system from the *Nebula/Galaxy* class projects. However, by the Cardassian Armistice in the mid-2360's all but U.S.S. *Joshua* were retired from service.

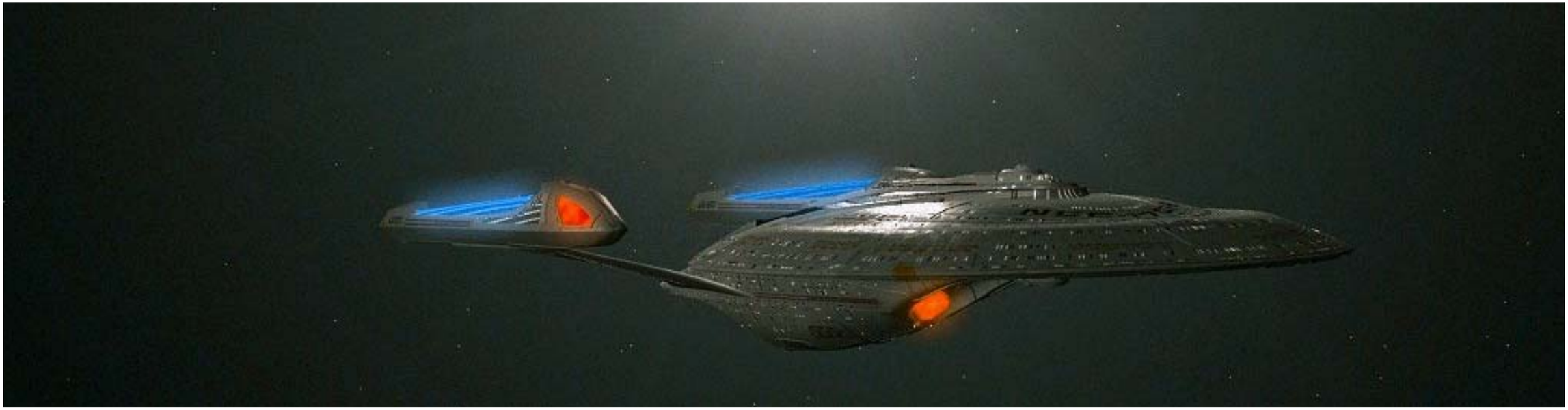
When war broke out with the Dominion, the *Joshua* was deployed as the command ship for the 3rd Fleet. However, the remaining two *Joshua* class starships were in no condition to be returned to combat duty, though they were immediately returned to the yards for outfitting and updating.

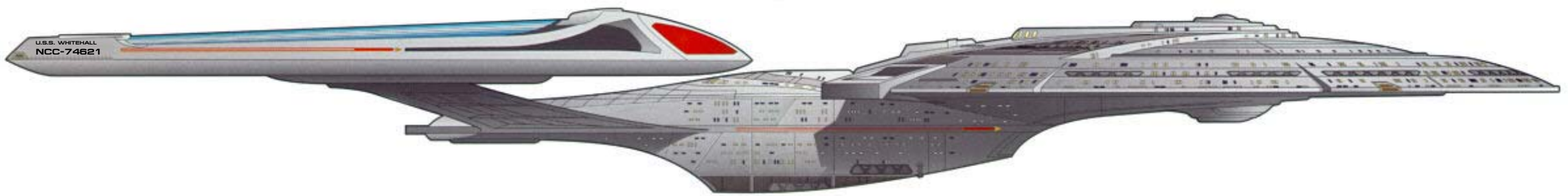
Class: With only one true Command Ship in service, Star Fleet Operations immediately began to search for alternatives. As they had in the Fleet of the late 22nd Century, the dreadnoughts with their Combat Information Centers and AEGIS Fleet Fire-Control systems were deployed as Fleet Flagships. Also, the two *Griffon* class starships and the *Galaxy (II)* class U.S.S. *Bright Star*, all of which were equipped with the same systems, were pressed into Fleet Command duties.

Of all the ships, only the *Bright Star* was equipped with a dedicated Flag Plot. Essentially a highly specialized holodeck, Flag Plot allows an Admiral and his Tactical Team to "immerse" themselves in a battle. The entire Fleet can be arrayed "around" them and they can reach out and "touch" a ship to query it or open a communications link. It was a quantum leap in Fleet Command and Chief of Fleet Operations Admiral Chris Wallace used it during "Operation Return" to successfully defeat a numerically larger Dominion force.

Due to Flag Plot requiring an M-16 computer system to operate, the *Griffon, Entente,* and *Olympus* classes were not able to carry it, since they used the M-15 series. Of the *Galaxy (II)* class ships, only *Bright Star* had been chosen to carry the AEGIS/Flag Plot system. However, the *Sovereign* class did mount the M-16 computer, plus the advanced tactical suite used on the

Bright Star. Though the cost would be enormous, it was decided to modify three *Sovereign* class vessels in the yard with AEGIS, a Combat Information Center, and the Flag Plot.
Adding all the new systems to the first vessel, the U.S.S. *Whitehall*, was much harder than originally expected, and the cost was obscene. There were calls to cancel the other two and fit-them-out conventionally, but after the success of *Bright Star* during both "Operation Return" and the first Battle of Chin'Toka, the naysayers were silenced and work continued at top pace.
***Classification*:** The *Whitehall* Class is classified as a Command Ship.
***Design*:** The *Whitehall* class is indistinguishable from her *Sovereign* class donors. Most of the systems are internal in nature, and the additional sensor systems needed for AEGIS have been slotted into the standard sensor-grid.
***Engineering*:** Initial plans were to use the Shuvinaaljis Warp Technologies LF-42 warp engines with the *Courageous*, as they were designed for vessels massing up to six million metric tons. However, computer modeling showed that the LF-43 series in a tandem configuration would be able to provide the performance envelope necessary for the *Courageous* class. Even so, the design limits top cruising speed to Warp 8 and maximum speed to slightly over Warp 9.
***Tactical*:** The standard tactical suite on the *Sovereign* class is equal to the best on any Federation starship. Therefore, no changes were made to weapons or shields. However, extensive changes were made to the ship's C^3I (Command, Control, Communications, and Intelligence) suite. A Combat Information Center has been fitted, along with the *Aegis* Fleet Fire-Control system. This allows the command ships of at the Task Force level via a Link 35 Communications Core. CETIS MK III with Type 225 TACAR II (Target Acquisition Center Accelerated Response) remain standard equipment, though the 42/ADA Countermeasures Support System has been added. The Flag Plot holoprojection system was added as well. All this additional equipment required extensive re-work of Deck 6, as all the systems need to tie directly into the computer core itself. When in combat, the Commanding Officer and Tactical Officer reside in C.I.C. while the Executive Officer controls the ship from the main bridge. The Admiral and his battle staff can run the battle from C.I.C. (which incorporates a massive three-dimensional high-resolution display), Flag Plot or both.
***Computer Systems*:** The *Sovereign* class uses the M-16 Bio-Neural Gel Pack-Isolinear III computer system with the Coridan RAV/ISHAK Warp Celestial Guidance system. Additional processor and storage sub-systems have been added to support *Aegis* and the Flag Plot / C.I.C.
***Builders*:** Like her *Sovereign* class sisters, the three *Whitehall* class vessels were built in the San Francisco Fleet yards. As with the *Sovereign,* Boeing-Mitsubishi was named primary contractor of the project with assistance from Cosmadyne and the Avondale Group. Shinohara Heavy Industries provided support on placement of the *Aegis* sensor suites and related support equipment.
Development and Construction History: The three *Sovereign* class hulls after *Reuben James* were pulled for use. U.S.S. *Whitehall* (CO 74621) entered service three months after Chin'Toka, and was put in the system to command the defense. U.S.S. *Empyrean* (CO 74684) entered service four months after that, and was detailed to the 10th Fleet preventing a Dominion breakout from Betazed. U.S.S. *Versailles* (CO 75217), the least farthest along at time of conversion, did not enter service until March of 2376, almost as the war ended.
Though the three ships all saw service, and all did extremely well, the sheer cost and complexity ended any hopes of having a ship lead each Fleet and it was decided not to perform any additional conversions or new builds. Instead, the far less expensive *Ticonderoga* class is being developed as a follow-on vessel. Though not as powerful as the *Whitehall*, they would still carry most of the systems (minus Flag Plot and a less-powerful AEGIS suite) and come in at a vastly lower price than the *Whitehalls*.





Current Specifications for the *Whitehall* class:

Displacement	3,305,000 mt	
Overall Length	685 m	
Overall Draft	88 m	
Overall Beam	250 m	
Propulsion:	Two LF-44 Mod 1 energized-energized antimatter warp drive units	
	(System Contractor: Cochrane Warp Dynamics, Minos al Rijil, Alpha Centauri VII)	
	Two FIG-5 subatomic unified energy impulse units	
	(System Contractor: Kloratis Drives, Tellar)	
	QASR-2 particle beam maneuvering thrusters	
	(System Contractor: Scarbak Propulsion Systems, Earth)	
	"Trentis IV" pulsed laser reaction control system	
	(System Contractor: Orage Ijek, Aksajak, Andor)	
Velocity:	Warp 6.0	Standard Cruising Speed
	Warp 9.7	Maximum Cruising Speed
	Warp 9.9+	Maximum Attainable Velocity
Duration:	5 years, standard	
Complement:	130	Officers
	725	Enlisted Crew
	0	Passengers (Normal – Up to 12000 maximum)
	855	Total Crew (Standard)

Embarked Craft:	0	*Danube* Class Runabout
	3	Type 6 Personnel Shuttle
	3	Type 7 Personnel Shuttle
	3	Type 9A Cargo Shuttle
	6	Type 16 Shuttlepod
Navigation:	RAV / ISHAK Mod 3 Warp Celestial Guidance	
	(System Contractor: Tlixis Ramab RRB, Coridan III)	
Computers:	M-16 Bio-Neural Gel Pack-Isolinear III with LCARS interface software	
	(System Contractor: Daystrom Computer Systems, Luna)	
	AEGIS Mk 7 Mod 1 Fleet Fire Control System	
	(System Contractor: RCA, New York, Earth)	
Phasers:	9 Type XII Collimated Phaser Array	
	(System Contractor: HiBeam Energies, Earth)	
Missiles:	3 Mk 95 Photon Torpedo Launchers	
	(System Contractor: Loraxial, Andor)	
Defense:	FSS Primary Force Field	
	(System Contractor: Sylvanesti Shields, Alkara XV)	
Life Support:	MM6 Modular Gravity Unit	
	(System Contractor: Morris Magnatronics, Palyria, Mars)	
	AL4 Life Support System	
	(System Contractor: A'Alakon Landiss, Divallax, Andor)	

THE COMMAND SHIP U.S.S. WHITEHALL (CO 75100) SETS COURSE TO TAKE COMMAND OF THE FLEET AT CHIN'TOKA

FRIGATES

NEW ORLEANS
CLASS FRIGATE

***Class*:** The *New Orleans* class frigate was created as part of the "New Fleet" initiative started in the mid-2330s. She was designed to be a less capable, but less expensive, companion vessel to the *Challenger* class light cruiser. The vessel was not expected to operate along the frontier, so a fateful decision not to fit the ship with photon torpedo launchers, freeing the space up for a more effective exploration suite.

***Classification*:** Smaller than the *Challenger* class light cruiser, and more capable than the *Steamrunner* class destroyer, Star Fleet decided to classify the vessel as a frigate.

***Design*:** Many of Star Fleet's vessels leverage the design philosophies of the *New Orleans* class, especially the *Galaxy* class. Her primary and secondary hulls, as well as warp nacelles, became the "standard" that future vessels, such as the *Nebula* and *Galaxy* were designed from.

A controversial decision was made to not mount any photon torpedo launchers on this vessel, instead relying on seven Type IX phasers for offensive punch. This was decided due to the fact that too much internal space would have to be dedicated to torpedo launching mechanisms and storage, impacting on the scientific suite. As things were "quiet" at the time, and such vessels were not designed to operate on the extreme frontier, the tradeoff was considered acceptable.

***Engineering*:** The *New Orleans* class mounts the Leeding Energies LF-30 warp drive, a direct descendent of the *Ambassador's* LF-10 and advancement of the LF-15. The Kloratis FIG-3 impulse drive system was also fitted. Top speed is structurally limited by the torpedo launchers to Warp 9.1, though the vessel is able to maintain a top cruising speed of Warp 9 and a standard speed of Warp 6.

***Tactical*:** When the Federation went to war with the Cardassian Union in 2356, the lack of a photon torpedo launcher became a significant liability to the *New Orleans* class, which suddenly found themselves unable to defend themselves against Cardassian ships equipped with such weapons. All *New Orleans* vessels were immediately withdrawn from areas of conflict and redistributed in safer areas of the Federation. However, it was immediately obvious that this situation could not be tolerated. The ship's phaser and shielding were equal to the *Ambassador* class, which was deeply involved in Fleet operations against the Cardassians. The ASDB convened a special design team to figure out how to add photon torpedo launchers to the *New Orleans* class as fast as possible.

In two months of round-the-clock meetings, the team figured out a way to mount three of the new Mk 80 photon torpedo launchers in special "bolt-on" tubes to the ship. Two were placed on top of the saucer, and a third placed underneath the secondary hull.

The new photon torpedo launchers greatly improved the combat effectiveness of the *New Orleans* class while sacrificing none of her scientific and exploratory capabilities. The initial ships modified suffered some minor reductions in top speed and maneuverability due to stresses imposed on the mounting brackets and the effect of the pods on the ship's warp dynamics. Launchers were immediately built and all of the ships were sent to the yards for modification. This process took about a month and the ships were then deployed to the front lines with groups of *Steamrunner* class ships.

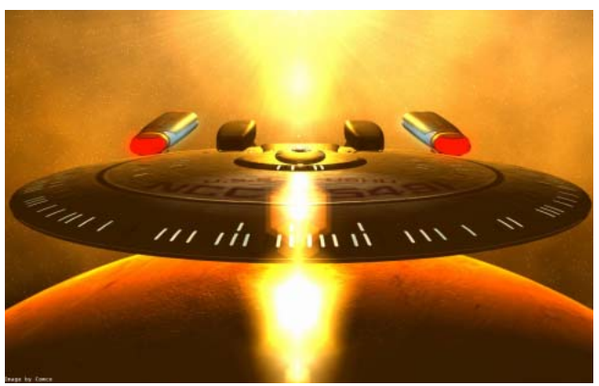
All *New Orleans* class ships carry the FSP shield system.

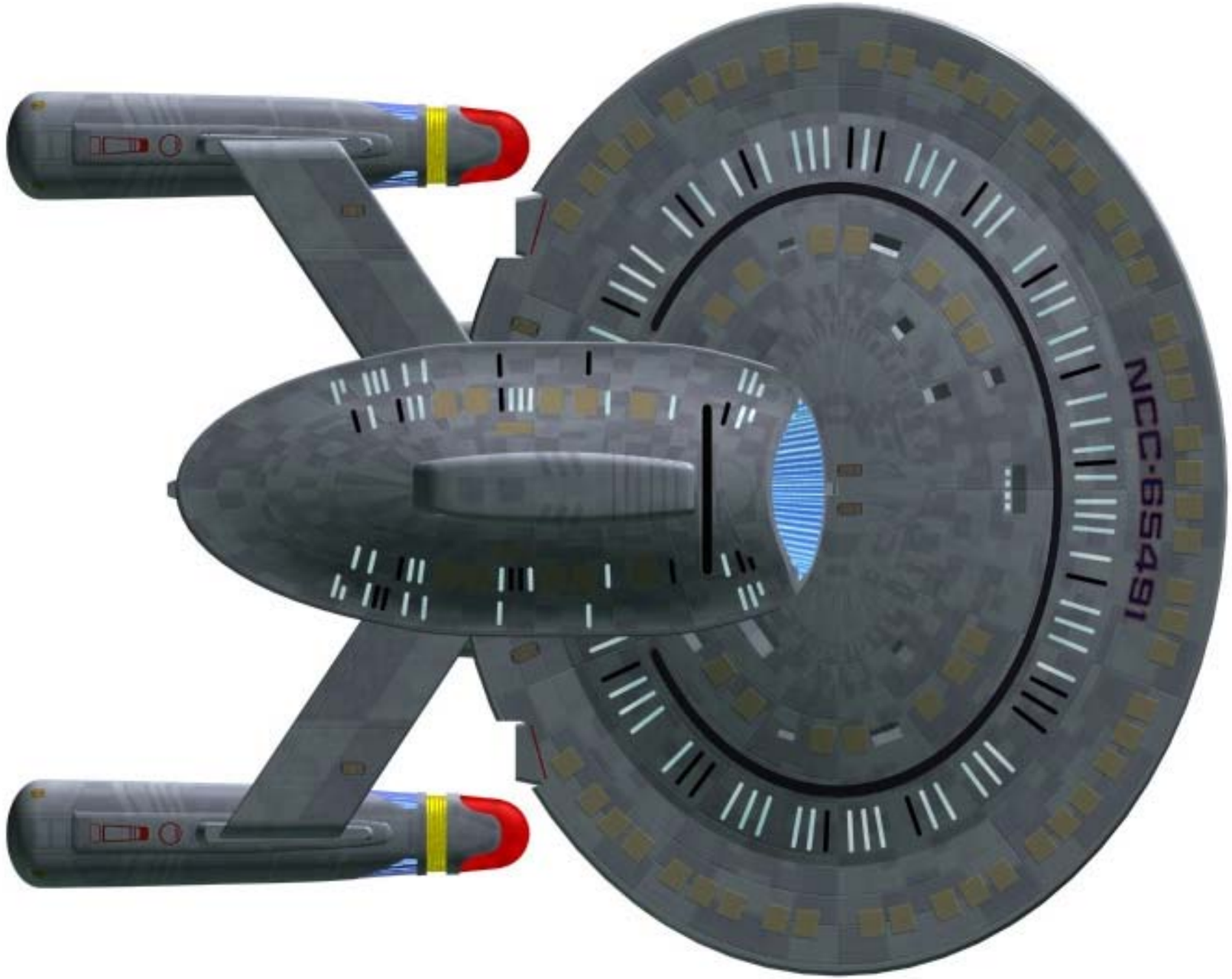
***Computer Systems*:** The *New Orleans* carries the M-14 Isolinear II computer system. A significant

improvement on the M-12 Duotronic unit, it packs more processing power and storage capacity in the same space. The new system uses isolinear optical chips composed of linear memory crystal material. This new technology is expected to replace duotronic-based computers in all new starship and computer systems.

***Builders*:** Cosmadyne Corporation was chosen as the primary contractor for the *New Orleans* class, with the initial batch of ships being built at the San Francisco Fleet Yards. Four additional batches of ships were ordered with construction spread out across a number of separate Fleet and civilian yards.

Development and Construction History: The design for *New Orleans* was approved in 2335. The lead vessel's keel was laid in 2340 and construction took a little under four years. Shakedown and acceptance trials added another year and the lead ship entered service in 2345 followed over the next few months by her sisters. Additional batches were ordered between 2343 and 2346.





27 FRIGATES: "NEW ORLEANS" CLASS

Number	Name	Builder	Laid Down	Launched	Commissioned	Status
NCC-57290	*New Orleans*	San Francisco Fleet Yards, Earth	July 2340	November 2344	May 2345	Active
NCC-57291	*Arleigh Burke*	San Francisco Fleet Yards, Earth	July 2340	November 2344	May 2345	Active
NCC-57295	*Rutledge*	San Francisco Fleet Yards, Earth	July 2340	November 2344	May 2345	Lost
NCC-57348	*Warwick*	Earth Station McKinley, Earth	July 2340	November 2344	May 2345	Active
NCC-57374	*Toulouse*	Earth Station McKinley, Earth	August 2340	December 2344	June 2345	Active
NCC-57412	*Gilcrest*	M'Yengh Yards, Shzerensohr, Cait	August 2340	December 2344	June 2345	Active
NCC-57597	*Mahan*	Alfras Fleet Yards, Deneb V	September 2340	January 2345	July 2345	Lost
NCC-58014	*Jarvik*	Utopia Planitia Fleet Yards, Mars	January 2341	May 2345	December 2345	Active
NCC-57897	*Kirkland*	Avondale Group, Ferrata Docks, Rigellium, Rigel II	February 2341	June 2345	December 2345	Active
NCC-58299	*Barnard*	Chandley Works, Caravalia, Mars	April 2341	August 2345	March 2346	Active
NCC-63100	*Bianca*	Seskon Trella, Chagala, Tellar	January 2343	April 2347	November 2347	Lost
NCC-63121	*Chavez*	Seskon Trella, Chagala, Tellar	February 2343	May 2347	December 2347	Active
NCC-63142	*Renegade*	Seskon Trella, Chagala, Tellar	February 2343	May 2347	December 2347	Active
NCC-63294	*Gates*	Utopia Planitia Fleet Yards, Mars	March 2343	April 2347	January 2348	Active
NCC-63295	*Torvalds*	Utopia Planitia Fleet Yards, Mars	March 2343	April 2347	January 2348	Active
NCC-63296	*Norton*	Utopia Planitia Fleet Yards, Mars	March 2343	April 2347	January 2348	Active
NCC-63425	*Winfield*	Spacedock, San Francisco, Earth	April 2343	May 2347	January 2348	Active
NCC-63738	*Ehrlich*	Puget Sound Fleet Yards, Earth	May 2343	June 2347	February 2348	Lost
NCC-63908	*Philippa*	San Francisco Fleet Yards, Earth	June 2343	July 2347	March 2348	Lost
NCC-64215	*Windsor*	Newport News Fleet Yards, Earth	July 2343	August 2347	April 2348	Active
NCC-65490	*Nevers*	Spacedock, San Francisco, Earth	September 2344	December 2348	June 2349	Active
NCC-65491	*Kyushu*	Spacedock, San Francisco, Earth	September 2344	December 2348	June 2349	Lost
NCC-65530	*Thomas Paine*	Utopia Planitia Fleet Yards, Mars	October 2344	January 2349	July 2349	Active
NCC-65718	*Magny-Cours*	Shor Ta'kel, Central Docks, 40 Eridani	November 2344	February 2349	August 2349	Active
NCC-65993	*Okinawa*	Saint Petersburg Fleet Yards, Earth	January 2345	April 2349	October 2349	Active
NCC-66097	*Musai*	New Aberdeen Fleet Yards, Aldeberan	February 2345	May 2349	November 2349	Active
NCC-66213	*Agincourt*	Hakon Yards, Galena	April 2345	August 2349	February 2350	Active
NCC-66443	*Dauntless*	Alfras Fleet Yards, Deneb V	July 2345	October 2349	April 2350	Lost
NCC-66497	*Britania*	Alfras Fleet Yards, Deneb V	August 2345	November 2349	April 2350	Lost
NCC-66672	*Minotaur*	Axaanivus Cesleco Starcraft, Alpha Centauri V	September 2345	December 2349	May 2350	Active
NCC-66891	*Midgard*	San Francisco Fleet Yards, Earth	December 2345	February 2350	September 2350	Active
NCC-67281	*Salamis*	Spacedock, San Francisco, Earth	February 2346	June 2350	January 2351	Active
NCC-67572	*Nice*	Hakon Yards, Galena	March 2346	July 2350	February 2351	Active
NCC-67728	*Le Castallet*	Utopia Planitia Fleet Yards, Mars	May 2346	October 2350	May 2351	Active
NCC-67898	*Riviera*	Seskon Trella, Chagala, Tellar	July 2346	December 2350	August 2351	Active

Current Specifications for the *New Orleans* class:

Displacement	1,200,000 mt	
Overall Length	360 m	
Overall Draft	53 m	
Overall Beam	258 m	
Propulsion:	Two LF-30 Mod 1 energized-energized antimatter warp drive units	
	(System Contractor: Leeding Energies, Earth)	
	Two FIG-3 subatomic unified energy impulse units	
	(System Contractor: Kloratis Drives, Tellar)	
	QASR-2 particle beam maneuvering thrusters	
	(System Contractor: Scarbak Propulsion Systems, Earth)	
	"Trentis IV" pulsed laser reaction control system	
	(System Contractor: Orage Ijek, Aksajak, Andor)	
Velocity:	Warp 6	Standard Cruising Speed
	Warp 9.0	Maximum Cruising Speed
	Warp 9.1	Maximum Attainable Velocity
Duration:	5 years, standard	
Complement:	83	Officers
	377	Enlisted Crew
	127	Passengers (Normal – Up to 500 maximum)
	460	Total Crew (Standard)

Embarked Craft:	0	*Danube* Class Runabout
	4	Type 6 Personnel Shuttle
	4	Type 7 Personnel Shuttle
	4	Type 9A Cargo Shuttle
	8	Type 16 Shuttlepod
	0	*Peregrine* Class Fighter
	0	S-3 *Sentry* SWAC Shuttle
Navigation:	RAV / ISHAK Mod 3 Warp Celestial Guidance	
	(System Contractor: Tlixis Ramab RRB, Coridan III)	
Computers:	M-13 Isolinear I	
	(System Contractor: Daystrom Computer Systems, Luna)	
Phasers:	5 Type IX Collimated Phaser Array	
	(System Contractor: HiBeam Energies, Earth)	
Missiles:	3 Mk 80 Photon Torpedo Launchers	
	(System Contractor: Loraxial, Andor)	
Defense:	FSP Primary Force Field	
	(System Contractor: Charlottes Shields, Earth)	
Life Support:	NAG2 Modular Gravity Unit	
	(System Contractor: New Amsterdam Gravitics, New Amsterdam, Alpha III)	
	AL2 Life Support System	
	(System Contractor: A'Alakon Landiss, Divallax, Andor)	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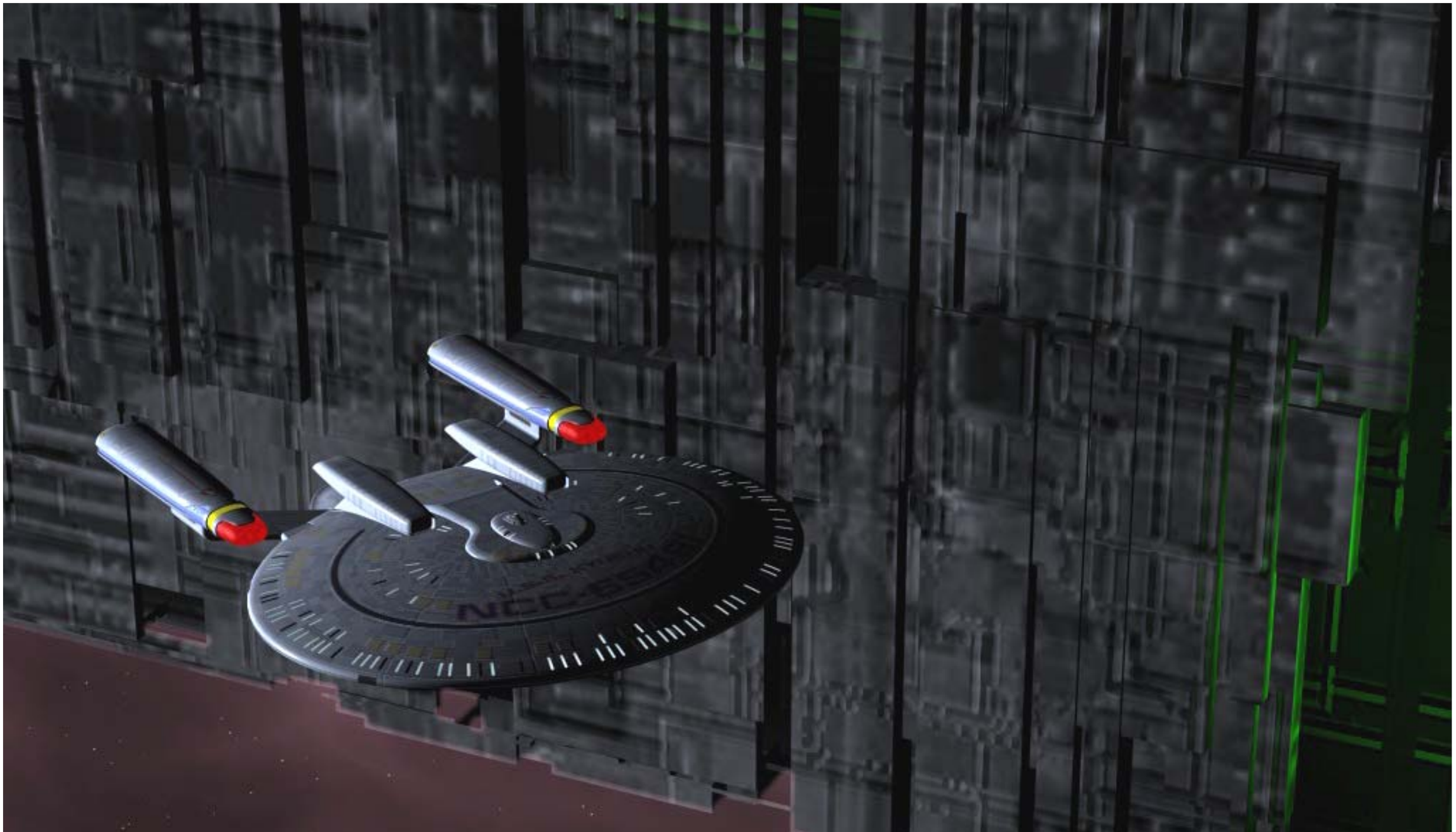
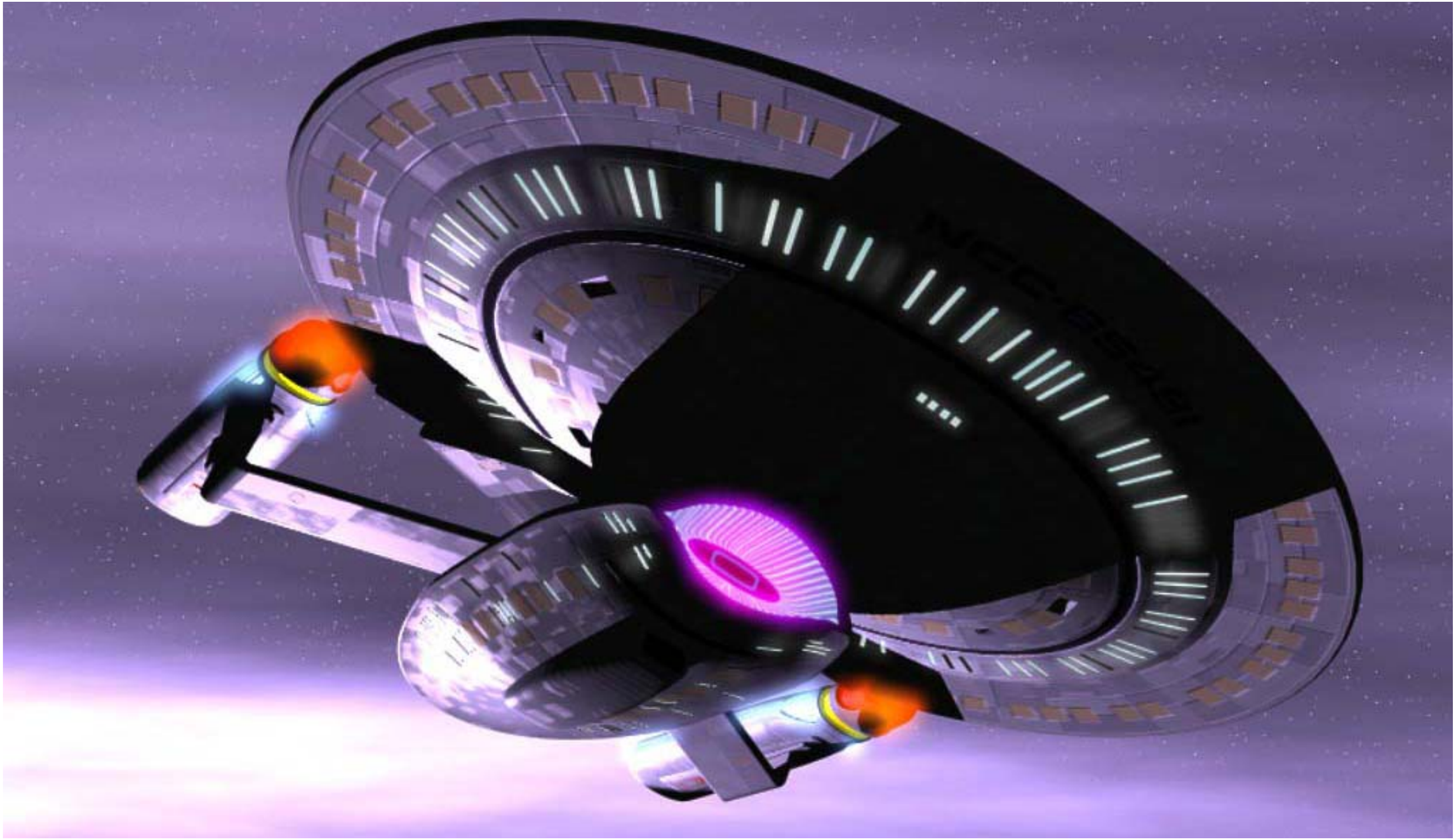
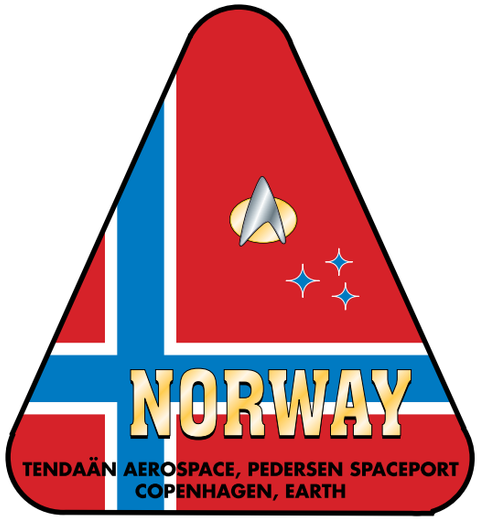
NCC-65491



THE U.S.S. MAGNY-COURS (FR 65718) AND A BORG CUBE DURING THE SECOND BATTLE FOR EARTH. THE MAGNY-COURS SURVIVED THE ENGAGEMENT



THE NEW ORLEANS CLASS FRIGATE U.S.S. ARLEIGH BURKE (FR 57291) EXPLORING A NEW NEBULA



NORWAY
CLASS FRIGATE

***Class*:** With the *Akira* class underway, the Star Fleet Spacecraft Design Advisory Commission began to concentrate on a new vessel to handle the scientific and diplomatic missions currently undertaken by the *Excelsior* class, a design that had been in service for over a half-century. While still a mainstay in the Fleet, these vessels were showing their age and maintenance costs were continuing to rise on the older spaceframes. The *Galaxy* Class Starship Development Project was underway by this time, but build quantities of these vessels was never expected to be very large, and so emphasis for the new design was placed on ease of construction and suitability to scientific and diplomatic missions at the expense of combat effectiveness and sheer speed.

***Classification*:** The *Norway* class is classified as a frigate due to its smaller size and lighter weapons load.

***Design*:** The *Norway* class has one of the thinnest profiles of any ship in the fleet, with a draft of less than 53 meters. The front of the ship is triangular in shape, with two slender booms that extend to the back. The booms then fan out towards the bottom to provide the attachment point for the nacelles. The entire design maintains a highly efficient warp profile, allowing the ship to attain and maintain excellent speeds, though she is slightly slower than most of her peers. Frigates are not known for the luxury of their fittings, and that theme continues with the *Norway*. Though more comfortable than those on the *Akira* or *Steamrunner*, they will not be confused with the more spacious quarters of the *Galaxy* and *Nebula* class. However, the *Norway* does carry a number of suites for use by diplomatic personnel, and has excellent conference facilities. The class is quite popular with her crews. As stated in the design objectives above, the *Norway* mounts an impressive scientific and survey suite for her size.

***Engineering*:** The *Norway* class mounts the LF-40 warp nacelle used by most starships in the under one million metric ton range. The running of the plasma conduits from the warp core to the nacelles severely reduced the room available in the booms, but this was considered a worthy trade-off to maximize space inside the primary hull. Performance is very good, with a top speed of Warp 9.7 and a maximum sustained cruising speed of Warp 9.

***Tactical*:** As opposed to the torpedo-heavy load carried by the *Akira*, the *Norway* mounts only two Mk 80 torpedo launchers. It does, however, have a highly flexible phaser system composed of six separate Type X phaser strips placed across the topside of the hull. This layout was necessitated by the design of the hull. However, standard phaser emitters could not be fitted due to space consideration, so the emitters were laid end-to-end instead of side-to-side. Though still capable of the full 5.1MW per emitter, firing-times are about two-thirds of that of a normal Type X emitter due to heat-dissipation issues. In general, it is expected that the ship will either use the weapons at full power for short duration, or run at lower power for longer duration. The ship carries the FSQ shield system and the CETIS Mk III with Type 225 TACAR fire-control suite, both mainstays of the current Star Fleet.

***Computer Systems*:** Original plans were to mount the M-13 Isolinear I computer, but instead the M-14 Isolinear II model was fitted, the extra power being deemed necessary for her exploration roles.

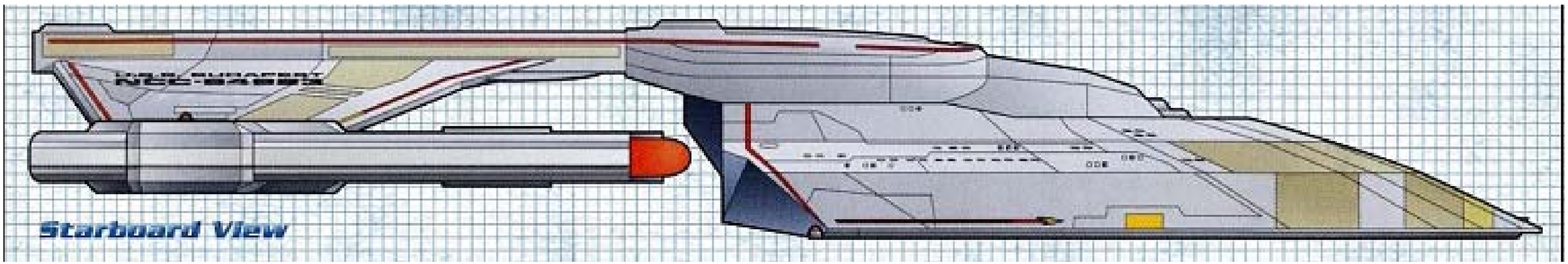
***Builders*:** Construction of most of the initial batch of *Norway* class starships was given to Pedersen Spaceport. A second batch was assigned to Hakon Yards in Galena and Cosmadyne Yards, Boston. The final batch was split amongst Chiokis, Hakon, the Avondale Group, New Aberdeen

30 FRIGATES: "NORWAY" CLASS

Number	Name	Builder	Laid Down	Launched	Commissioned	Status
NCC-64920	*Norway*	Pederson Spaceport, Copenhagen, Earth	February 2344	May 2347	November 2347	Active
NCC-64921	*Oslo*	Pederson Spaceport, Copenhagen, Earth	February 2344	May 2347	November 2347	Active
NCC-64931	*Hungary*	Pederson Spaceport, Copenhagen, Earth	February 2344	May 2347	November 2347	Active
NCC-64944	*Budapest*	Pederson Spaceport, Copenhagen, Earth	February 2344	May 2347	November 2347	Active
NCC-64959	*Denmark*	Pederson Spaceport, Copenhagen, Earth	March 2344	June 2347	December 2347	Active
NCC-64961	*Copenhagen*	Pederson Spaceport, Copenhagen, Earth	March 2344	June 2347	December 2347	Active
NCC-64972	*Finland*	Pederson Spaceport, Copenhagen, Earth	March 2344	June 2347	December 2347	Active
NCC-64987	*Helsinki*	Pederson Spaceport, Copenhagen, Earth	March 2344	June 2347	December 2347	Active
NCC-64988	*Sweden*	Pederson Spaceport, Copenhagen, Earth	March 2344	June 2347	December 2347	Active
NCC-64989	*Stockholm*	Pederson Spaceport, Copenhagen, Earth	March 2344	July 2347	January 2348	Active
NCC-65024	*Romania*	Avondale Group, Ferrata Docks, Rigellium, Rigel II	April 2344	July 2347	January 2348	Lost
NCC-65025	*Bucharest*	Avondale Group, Ferrata Docks, Rigellium, Rigel II	April 2344	July 2347	January 2348	Active
NCC-65217	*Bulgaria*	Hakon Yards, Galena	June 2344	September 2347	March 2348	Lost
NCC-65218	*Sofia*	Hakon Yards, Galena	June 2344	September 2347	March 2348	Active
NCC-65289	*Albania*	Hakon Yards, Galena	June 2344	September 2347	March 2348	Active
NCC-65290	*Tiranë*	Hakon Yards, Galena	July 2344	October 2347	April 2348	Active
NCC-65348	*Yugoslavia*	Cosmadyne Yards, Boston	July 2344	October 2347	April 2348	Lost
NCC-65349	*Belgrade*	Cosmadyne Yards, Boston	July 2344	October 2347	April 2348	Lost
NCC-65611	*Moldova*	Chiokis Starship Construction, Thelavor, Andor	November 2344	February 2348	August 2348	Active
NCC-65612	*Kishenëv*	Chiokis Starship Construction, Thelavor, Andor	November 2344	February 2348	August 2348	Active
NCC-65853	*Slovakia*	Avondale Group, Ferrata Docks, Rigellium, Rigel II	December 2344	March 2348	September 2348	Active
NCC-65854	*Bratislava*	Avondale Group, Ferrata Docks, Rigellium, Rigel II	December 2344	March 2348	September 2348	Active
NCC-66087	*Czech Republic*	New Aberdeen Fleet Yards, Aldeberan	February 2345	June 2348	December 2348	Active
NCC-66088	*Prague*	New Aberdeen Fleet Yards, Aldeberan	February 2345	June 2348	December 2348	Active
NCC-66210	*Poland*	Hakon Yards, Galena	April 2345	August 2348	January 2349	Active
NCC-66211	*Warsaw*	Hakon Yards, Galena	April 2345	August 2348	February 2349	Active
NCC-66341	*Krakow*	Utopia Planitia Fleet Yards, Mars	June 2345	October 2348	April 2349	Lost
NCC-66572	*Lithuania*	Saint Petersburg Fleet Yards, Earth	September 2345	December 2348	July 2349	Active
NCC-66573	*Vilnius*	Saint Petersburg Fleet Yards, Earth	September 2345	December 2348	July 2349	Active
NCC-66690	*Latvia*	Axaanivus Cesleco Starcraft, Alpha Centauri V	October 2345	January 2349	August 2349	Active
NCC-66691	*Riga*	Axaanivus Cesleco StarcraftAlpha Centauri V	October 2345	January 2349	September 2349	Active
NCC-67232	*Estonia*	Spacedock, San Francisco, Earth	January 2346	March 2349	December 2349	Active
NCC-67233	*Tallinn*	Spacedock, San Francisco, Earth	January 2346	March 2349	December 2349	Active
NCC-67545	*Austria*	Hakon Yards, Galena	March 2346	May 2349	February 2350	Active
NCC-67546	*Vienna*	Hakon Yards, Galena	March 2346	May 2349	February 2350	Active

Fleet Yards, Utopia Planitia, St. Petersburg Fleet Yards, Axaanivus Cesleco, and the San Francisco Spacedock.

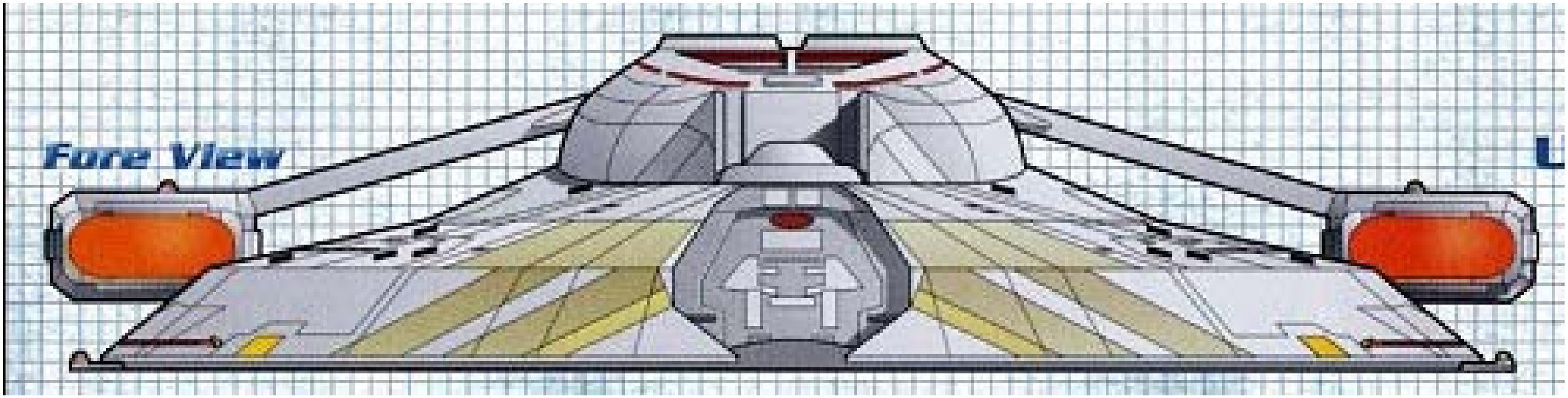
Development and Construction History: The *Norway* class was approved for construction in 2344 and five keels were laid. They were commissioned starting in 2347. The *Norway* class, along with the larger *Akira*, was a mainstay during the Dominion War. Its speed and firepower made it an excellent match for the *Galor* class cruisers. Oftentimes, the *Norways* would make a quick attack run by the *Galor*, allowing the *Akiras* to sneak in and deliver a crushing torpedo attack.

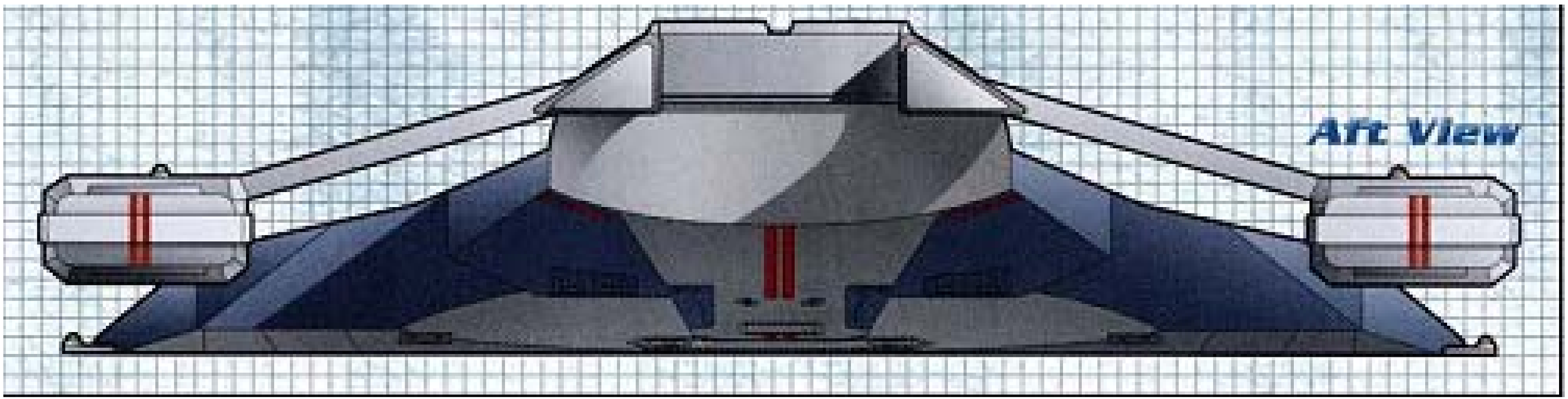


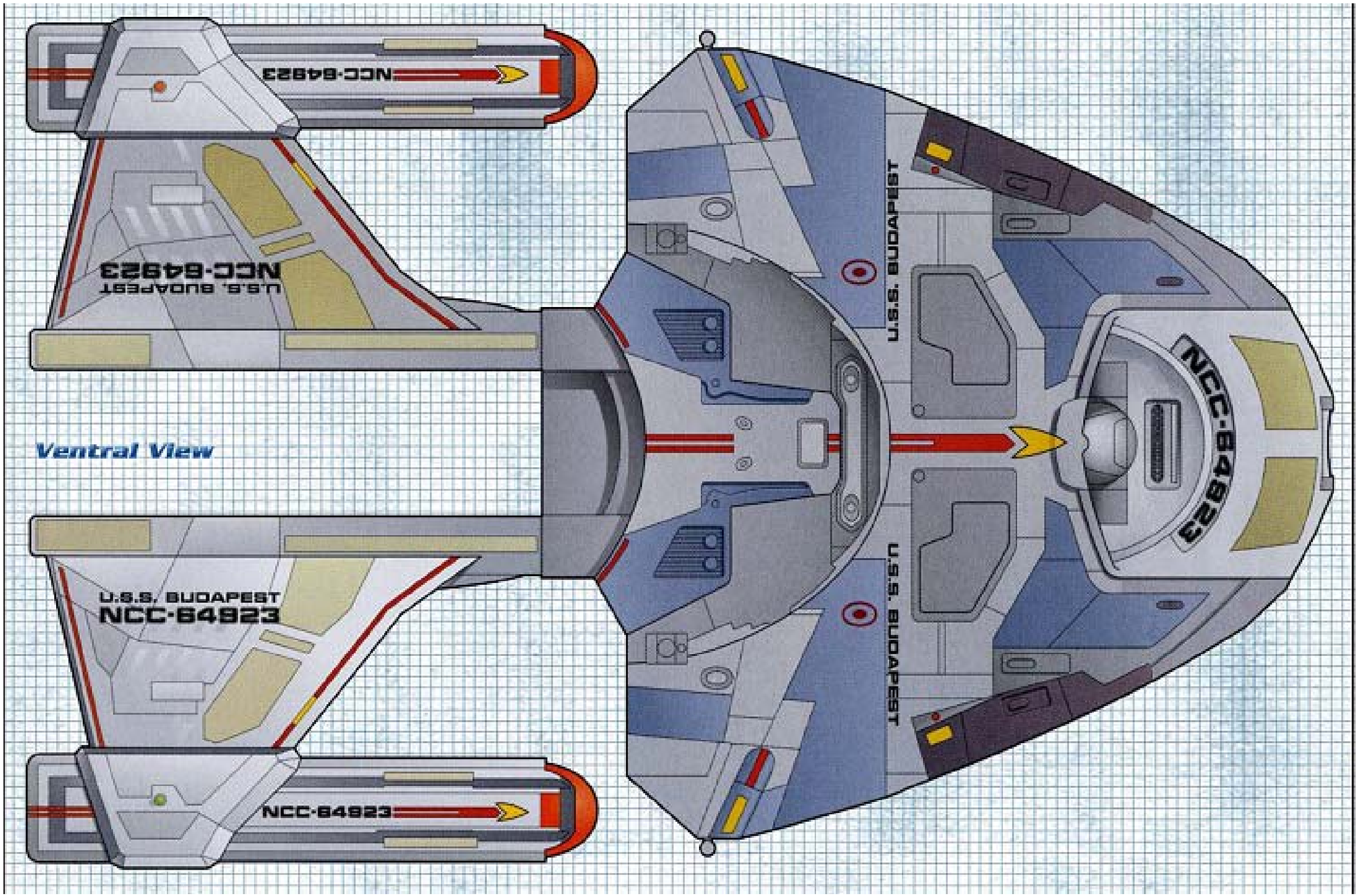
Current Specifications for the *Norway* class:

Displacement	622,000 mt	
Overall Length	365 m	
Overall Draft	53 m	
Overall Beam	226 m	
Propulsion:	Two LF-40 Mod 1 energized-energized antimatter warp drive units	
	(System Contractor: Leeding Energies, Earth)	
	Two FIG-2 subatomic unified energy impulse units	
	(System Contractor: Kloratis Drives, Tellar)	
	QASR-2 particle beam maneuvering thrusters	
	(System Contractor: Scarbak Propulsion Systems, Earth)	
	"Trentis IV" pulsed laser reaction control system	
	(System Contractor: Orage Ijek, Aksajak, Andor)	
Velocity:	Warp 7	Standard Cruising Speed
	Warp 9.0	Maximum Cruising Speed
	Warp 9.7	Maximum Attainable Velocity
Duration:	5 years, standard	
Complement:	80	Officers
	320	Enlisted Crew
	0	Passengers (Normal – Up to 100 maximum)
	400	Total Crew (Standard)

Embarked Craft:	0	*Danube* Class Runabout
	4	Type 6 Personnel Shuttle
	2	Type 7 Personnel Shuttle
	2	Type 9A Cargo Shuttle
	4	Type 16 Shuttlepod
	0	*Peregrine* Class Fighter
	0	S-3 *Sentry* SWAC Shuttle
Navigation:	RAV / ISHAK Mod 3 Warp Celestial Guidance	
	(System Contractor: Tlixis Ramab RRB, Coridan III)	
Computers:	M-14 Isolinear II	
	(System Contractor: Daystrom Computer Systems, Luna)	
Phasers:	6 Type X Collimated Phaser Array	
	(System Contractor: HiBeam Energies, Earth)	
Missiles:	2 Mk 80 Photon Torpedo Launchers	
	(System Contractor: Loraxial, Andor)	
Defense:	FSQ Primary Force Field	
	(System Contractor: Charlottes Shields, Earth)	
Life Support:	NAG2 Modular Gravity Unit	
	(System Contractor: New Amsterdam Gravitics, New Amsterdam, Alpha III)	
	AL3 Life Support System	
	(System Contractor: A'Alakon Landiss, Divallax, Andor)	


Fore View


Aft View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U.S.S. BUDAPEST
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Ventral View
U.S.S. BUDAPEST
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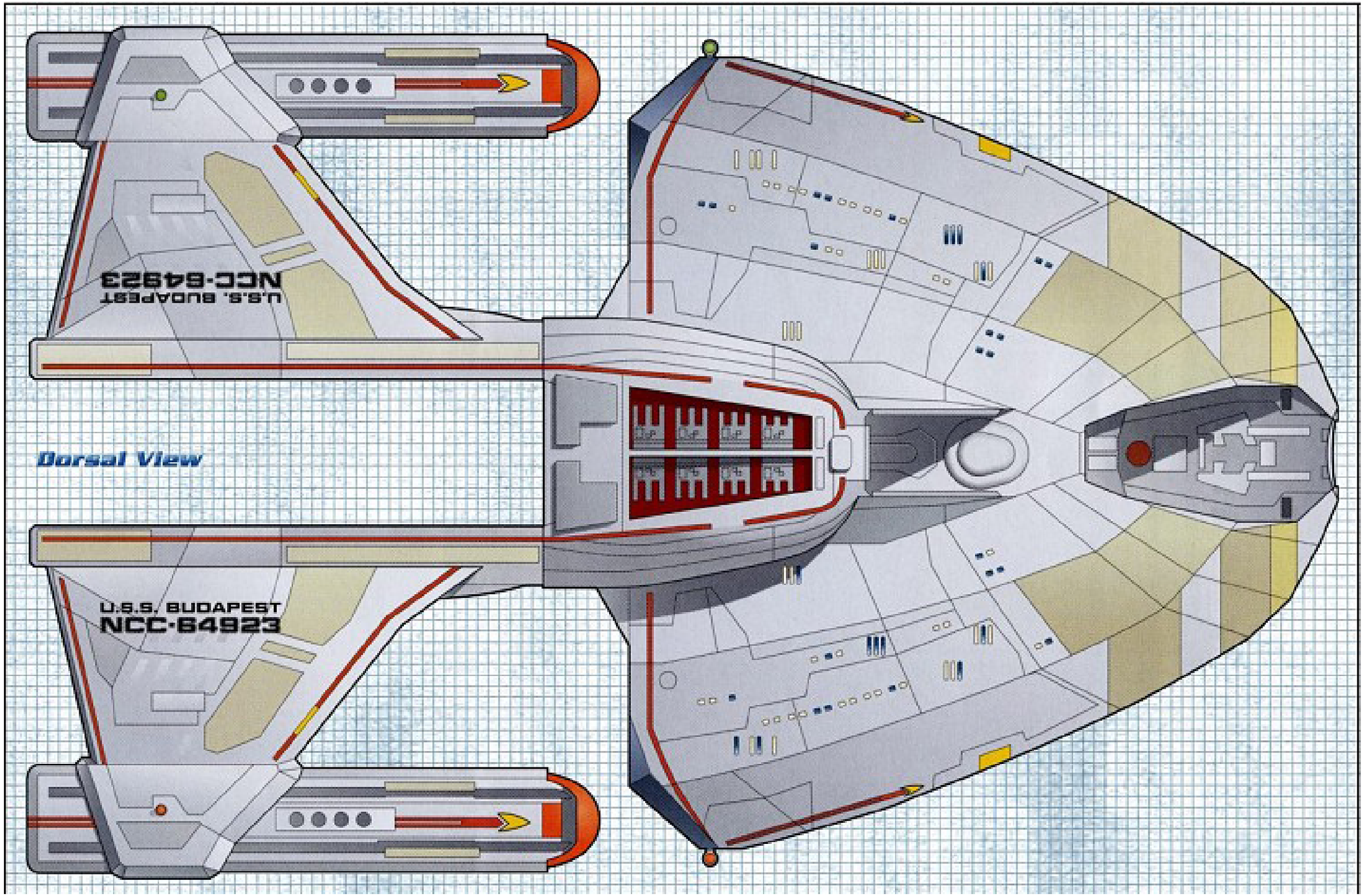
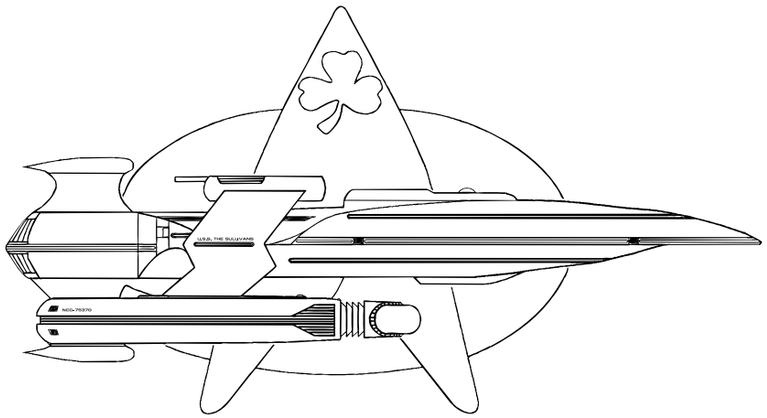

U.S.S. BUDAPEST
NCC-64923
Dorsal View
U.S.S. BUDAPEST
NCC-64923

A PAINTING OF THE NORWAY CLASS FRIGATE U.S.S. BUDAPEST (FR 64923)

U.S.S. THE SULLIVANS



"WE STAND TOGETHER"

THE SULLIVANS
CLASS TACTICAL FRIGATE

10 TACTICAL FRIGATES: "THE SULLIVANS" CLASS

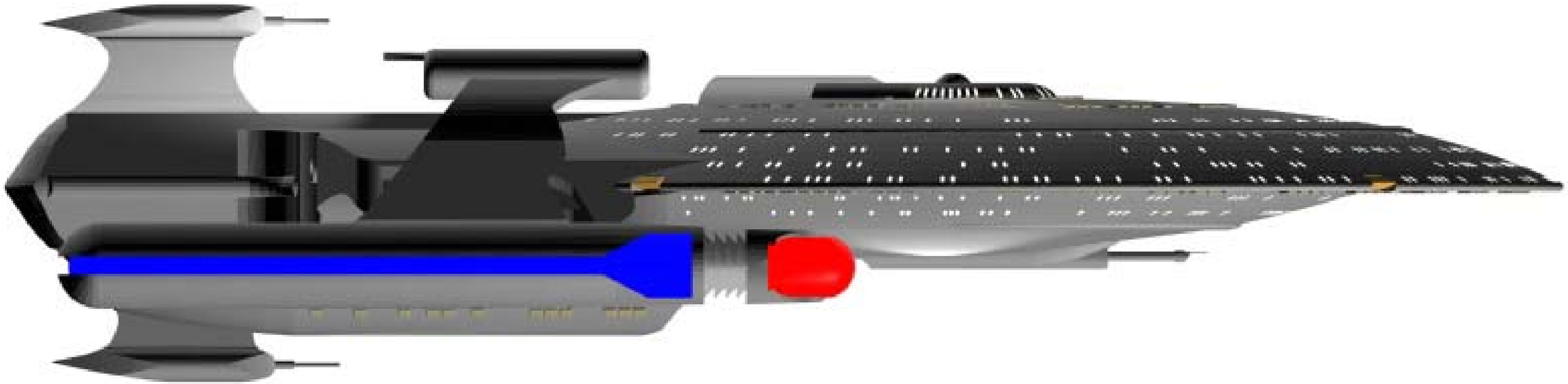
Number	Name	Builder	Laid Down	Launched	Commissioned	Status
NCC-78170	*The Sullivans*	Utopia Planitia Fleet Yards, Mars	May 2370	September 2372	December 2372	Active
NCC-78172	*O'Bannon*	Utopia Planitia Fleet Yards, Mars	May 2370	September 2372	January 2373	Active
NCC-79474	*Tsunami*	Utopia Planitia Fleet Yards, Mars	January 2373	October 2374	December 2375	Active
NCC-79487	*Ian Fleming*	Utopia Planitia Fleet Yards, Mars	February 2373	November 2374	December 2375	Active
NCC-79504	*Hurricane*	Utopia Planitia Fleet Yards, Mars	February 2373	November 2374	January 2376	Active
NCC-79518	*Tornado*	Utopia Planitia Fleet Yards, Mars	February 2373	December 2374	January 2376	Active
NCC-79524	*Indianapolis*	Utopia Planitia Fleet Yards, Mars	March 2373	January 2376	March 2376	Active
NCC-82881	*Icestorm*	Utopia Planitia Fleet Yards, Mars	March 2375	February 2377	April 2377	Active
NCC-83995	*Monsoon*	Utopia Planitia Fleet Yards, Mars	April 2375	May 2377	October 2377	Active
NCC-84267	*Simoon*	Utopia Planitia Fleet Yards, Mars	June 2375	September 2377	December 2377	Active

***Class*:** During her many years of service, the *Belknap* class strike cruiser performed an important role in guarding the Romulan Neutral Zone against incursions. With the "disappearance" of the Romulans, Star Fleet decided not to replace these aging ships with a new class, instead assigning *Excelsior* and *Miranda* class vessels. Considering the total lack of contact, this was an excellent cost-saving measure.

But then the Romulans have returned. And they showed a desire to return to their ways of old. The *D'daridex* class warbird seemed a match for even the *Galaxy* class, and hopelessly outgunned the third-echelon Star Fleet forces. Vessels of the *Akira* and *Steamrunner* classes were assigned to the Neutral Zone to bolster defenses, operating in small squadrons of three to four ships, under the command of *Nebula* class cruisers in a SWACS (Spaceborne Warning and

Control) configuration.
Such small task forces are effective, packing sufficient firepower (especially with the torpedo-heavy *Akira* class as the centerpoint), but they draw off a large number of vessels. Therefore, development of a new class of tactical frigates was approved to provide a vessel capable of holding its own long enough to allow RDF ships to form to repel any serious incursion. Of the designs submitted, *The Sullivans* was the one that moved to the top and eventually approved for construction.
***Classification*:** *The Sullivans* class is classified as a tactical frigate due to its heavy weapons load.
***Design*:** *The Sullivans* class bears a rough resemblance to the *Miranda* class vessels it will be replacing on the Neutral Zone. Roughly the size of the old *Constitution / Enterprise* class heavy cruiser, *The Sullivans* places its emphasis on large hangar capacity and superior firepower. The ship is a single-hull design, with the back end being a massive "superhangar" capable of carrying the ship's compliment of *Peregrine* fighters and other embarked craft. A large rollbar mounts two dual photon torpedo launchers, and two turrets extending above and below the ship on fins house Type XII megaphasers.
In addition to the massive hangar facilities, *The Sullivans* tactical frigate is designed to carry 100 marines, in addition to the standard crew of 79 officers and 280 enlisted. There is room for up to 50 additional personnel, mainly support people for specific missions.

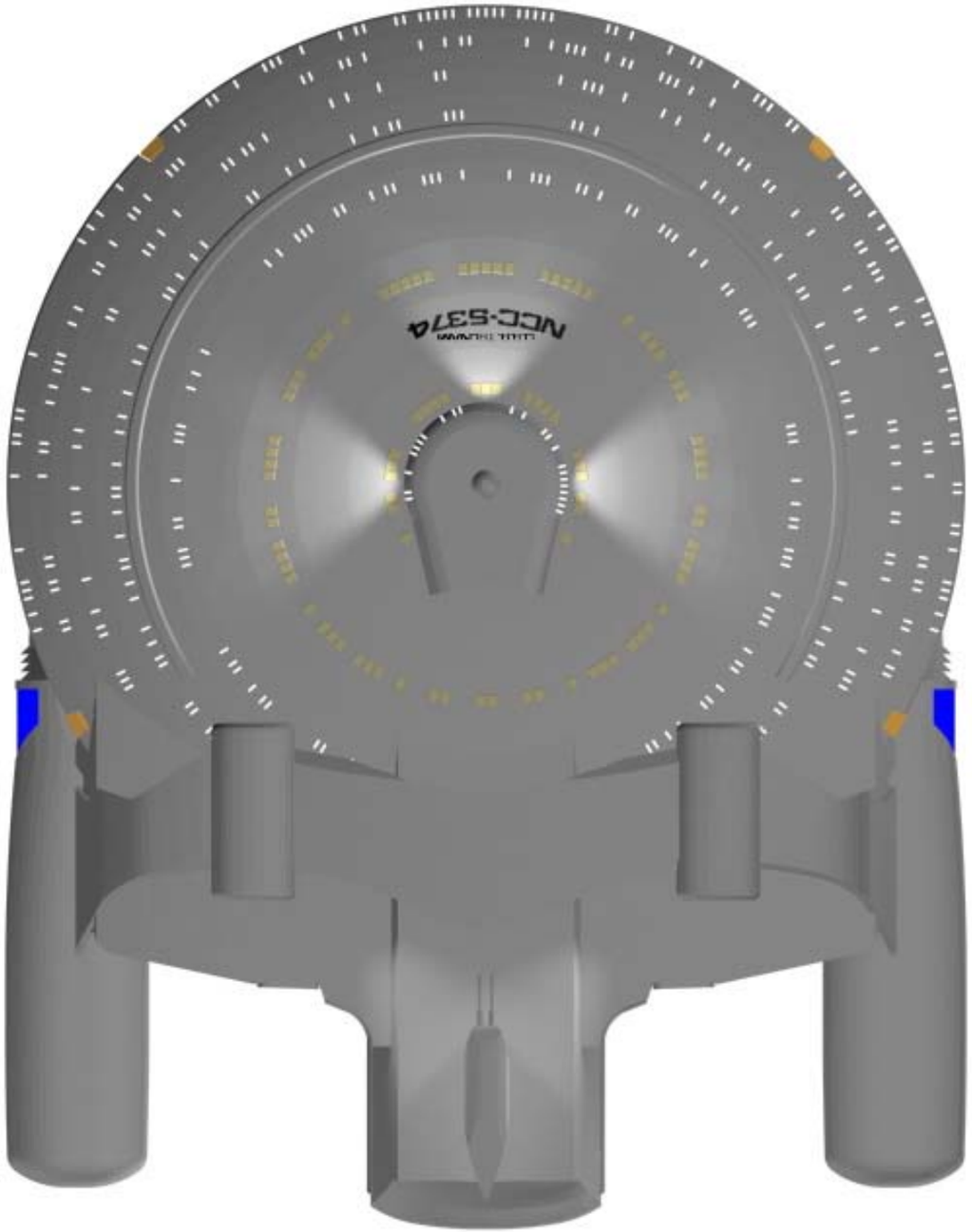
***Engineering*:** *The Sullivans* class mounts the standard Leeding Energies LF-41 series of warp drive in a dual nacelle configuration. Additional fusion reactors have been fitted to assist in powering the megaphaser cannon.
***Tactical*:** Easily one of the most powerful vessels in existence, the ship mounts six Type XII megaphaser cannon, six Type X phaser strips, and eight Mk 80 photon torpedo launchers. The FSQ shield system is fitted as, for a ship this size, it offers incredible levels of protection. A modified version of the standard CETIS / TACAR fire-control system is fitted.
***Computer Systems*:** The M-15 Isolinear III found in most Class One starships is fitted.
***Builders*:** All ten vessels were constructed at Utopia Planitia. Prime contractor was Daimler-Chrysler Aerospace.
Development and Construction History: *The Sullivans* class underwent a thorough review at the ASDB starting in 2367 and was formally approved in 2369. Three vessels were approved, but only two began construction in 2370. They entered service in 2372 and were used to test the class' systems and work out any bugs. Once they were certified, five additional vessels that had been ordered were laid down, though all were built with internal and systems modifications and were classified a Mk. II specification. Three additional vessels were approved, again with changes to a new Mk. III specification, though all entered service after the Armistice had been signed.



Current Specifications for *The Sullivans* class:

Displacement	1,485,000 mt	
Overall Length	320 m	
Overall Draft	80 m	
Overall Beam	256 m	
Propulsion:	Two LF-41 Mod 1 energized-energized antimatter warp drive units	
	(System Contractor: Leeding Energies, Sydney, Earth)	
	Two FIG-5 subatomic unified energy impulse units	
	(System Contractor: Kloratis Drives, Tellar)	
	QASR-2 particle beam maneuvering thrusters	
	(System Contractor: Scarbak Propulsion Systems, Earth)	
	"Trentis IV" pulsed laser reaction control system	
	(System Contractor: Orage Ijek, Aksajak, Andor)	
Velocity:	Warp 6.0	Standard Cruising Speed
	Warp 9.0	Maximum Cruising Speed
	Warp 9.6	Maximum Attainable Velocity
Duration:	5 years, standard	
Complement:	79	Officers
	300	Enlisted Crew
	144	Flight Crew
	100	Marines
	0	Passengers (Normal – Up to 45 Maximum)
	479	Total Crew (Standard)

Embarked Craft:	0	*Danube* Class Runabout
	4	Type 6 Personnel Shuttle
	4	Type 7 Personnel Shuttle
	4	Type 9A Cargo Shuttle
	6	Type 10 Combat Drop Shuttles
	4	Type 16 Shuttlepod
	20	*Peregrine* Class Fighter
	2	3 *Sentry* SWAC Shuttle
Navigation:	RAV / ISHAK Mod 3 Warp Celestial Guidance	
	(System Contractor: Tlixis Ramab RRB, Coridan III)	
Computers:	M-15 Isolinear III with LCARS interface software	
	(System Contractor: Daystrom Computer Systems, Luna)	
Phasers:	6 Type X Collimated Phaser Array	
	(System Contractor: HiBeam Energies, Earth)	
Phasers:	6 Type XII Megaphaser Cannon	
	(System Contractor: HiBeam Energies, Earth)	
Missiles:	8 Mk 80 Photon Torpedo Launchers	
	(System Contractor: Loraxial, Andor)	
Defense:	FSQ Primary Force Field	
	(System Contractor: Charlotte Shields, Earth)	
Life Support:	MM6 Modular Gravity Unit	
	(System Contractor: Morris Magnatronics, Palyria, Mars)	
	AL4 Life Support System	
	(System Contractor: A'Alakon Landiss, Divallax, Andor)	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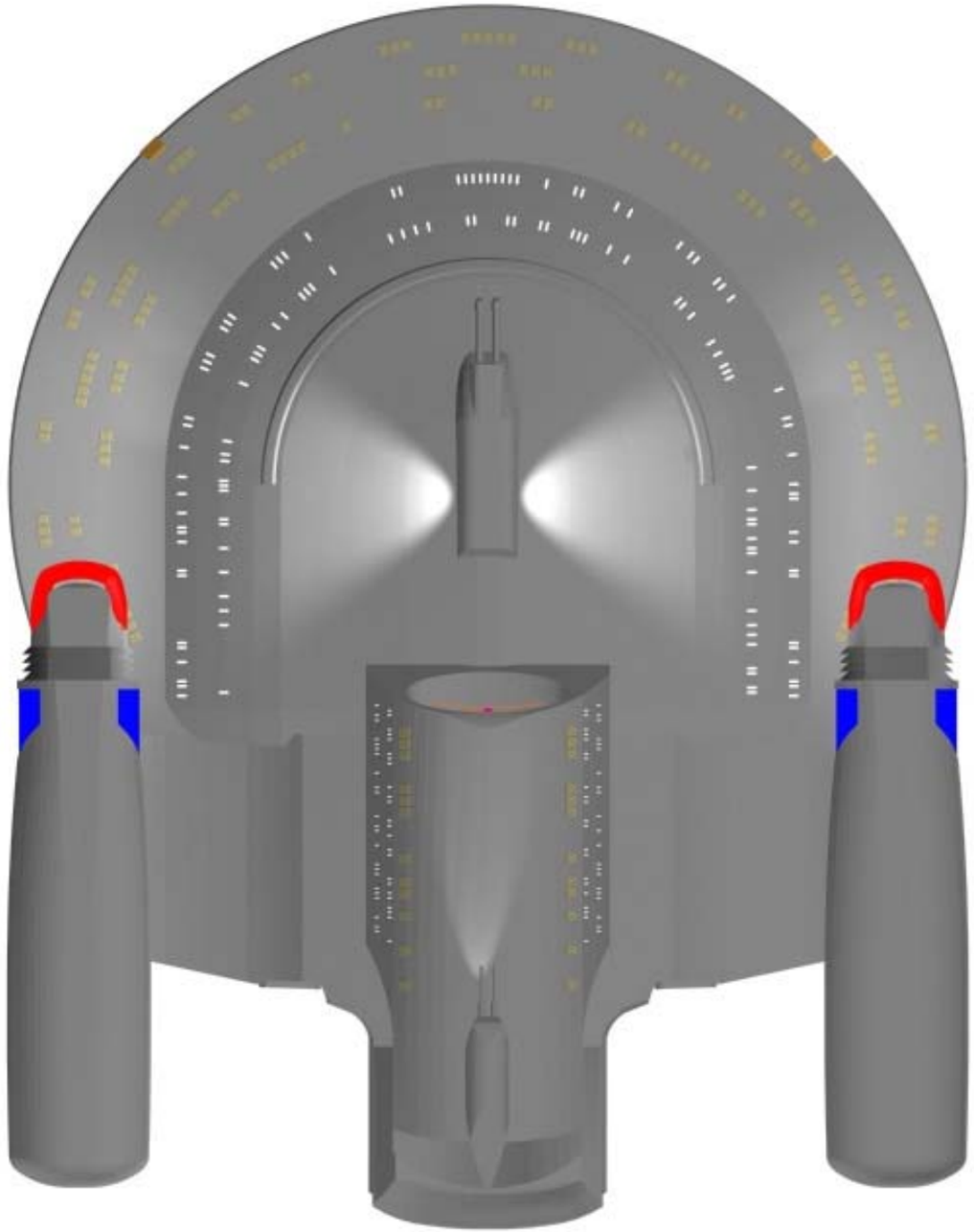

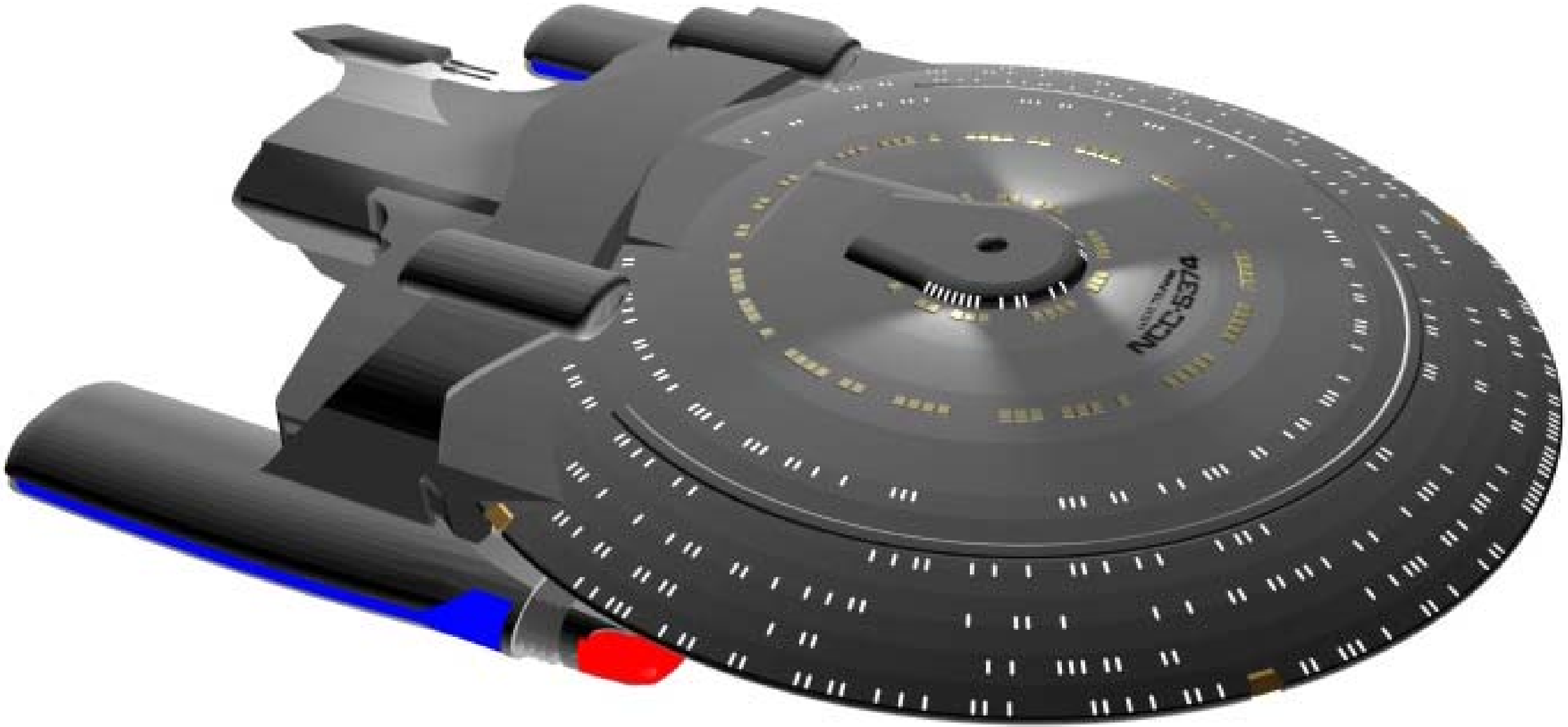
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DESTROYERS

FREEDOM
CLASS DESTROYER

10 HEAVY DESTROYERS: "FREEDOM" CLASS

Number	Name	Builder	Laid Down	Launched	Commissioned	Status
NCC-68705	*Freedom*	Newport News Fleet Yards, Earth	February 2347	April 2349	July 2349	Active
NCC-68711	*Concorde*	Newport News Fleet Yards, Earth	February 2347	April 2349	July 2349	Active
NCC-68723	*Firebrand*	Newport News Fleet Yards, Earth	March 2347	May 2349	August 2349	Lost
NCC-68734	*Hinkler*	Newport News Fleet Yards, Earth	March 2347	May 2349	August 2349	Active
NCC-68755	*Pelanski*	Newport News Fleet Yards, Earth	March 2347	May 2349	August 2349	Active
NCC-68759	*Voskhod*	Newport News Fleet Yards, Earth	March 2347	May 2349	August 2349	Active
NCC-68781	*New York*	Newport News Fleet Yards, Earth	April 2347	June 2349	August 2349	Active
NCC-68789	*Denke*	Newport News Fleet Yards, Earth	April 2347	June 2349	September 2349	Active
NCC-68793	*Ottawa*	Newport News Fleet Yards, Earth	May 2347	July 2349	September 2349	Active
NCC-69421	*Friendship*	Spacedock, San Francisco, Earth	November 2347	September 2349	January 2350	Active
NCC-69422	*Dublin*	Spacedock, San Francisco, Earth	November 2347	September 2349	January 2350	Active

***Class*:** The *Freedom* class was essentially a "new technology" version of the old *Saladin* class. The *Saladin's* had worked quite well during their career, but all were retired in the early 2300s. While Star Fleet was pleased with the *Steamrunner* class, they desired a cheaper vessel that could be built quickly.

***Classification*:** The *Freedom* is classified as a destroyer.

***Design*:** Numerous destroyer designs were submitted, but none really lit a fire under the Advanced Starship Design Bureau or Fleet Operations. Star Fleet wanted to get a new class in the field as quickly as possible, and Newport News Shipyards, builders of the original *Saladin* class, submitted a proposal named *Freedom* that used a primary hull similar in design to that of the *Niagara* with a small dorsal connecting the saucer to the warp nacelle. ASDB signed off on it and a contract for three vessels was awarded to Newport News with options for five more.

***Engineering*:** The *Freedom* received the LF-30 warp drive. Main engineering is located in the underside of the saucer around the dorsal itself. Antimatter containment is stored in the underside of the nacelle in a small detachable unit. Matter containment is in a small section that

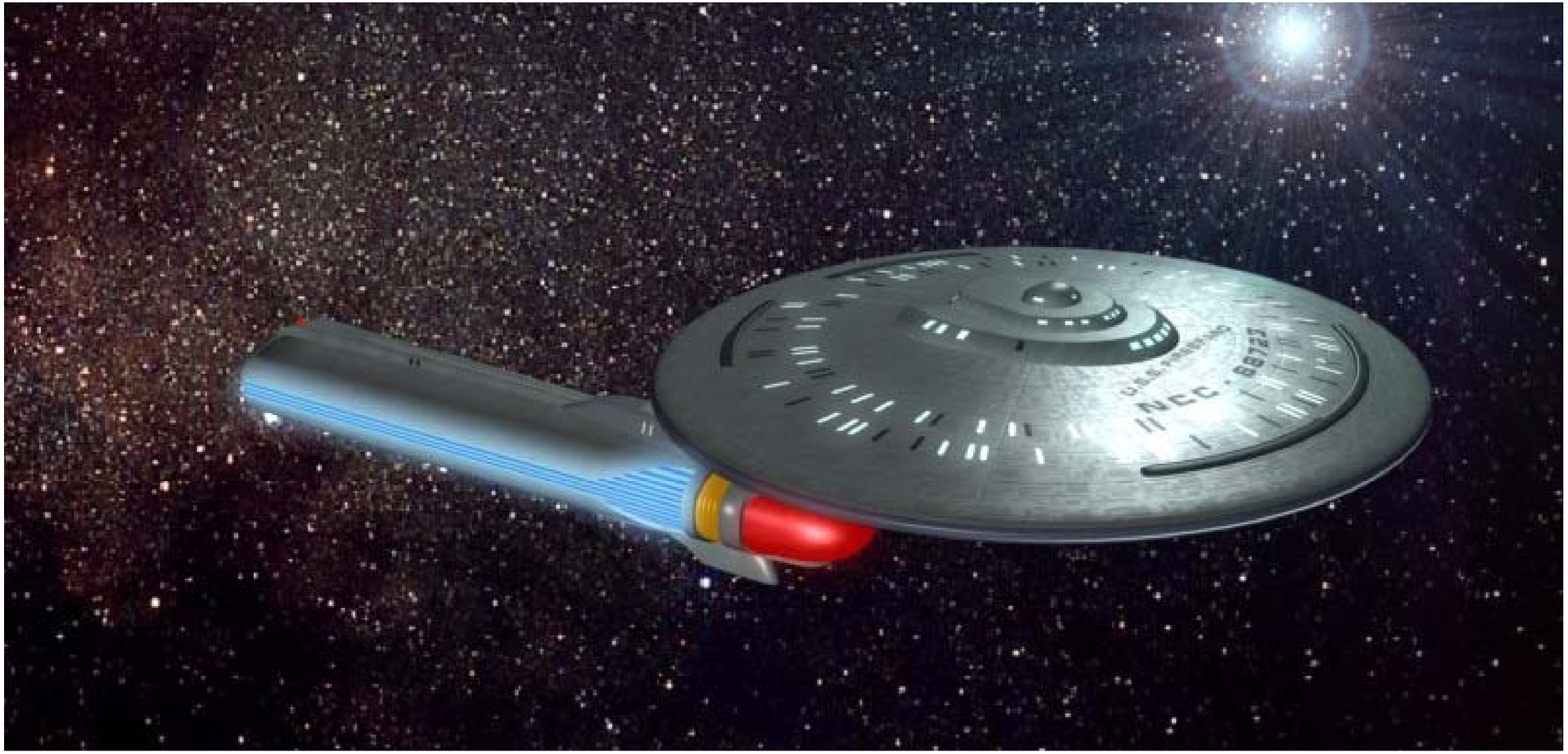
anchors the dorsal to the top of the nacelle. Matter and anti-matter are drawn upwards and then sideways into the M/ARC. Plasma is then sent back down the dorsal to the nacelle.

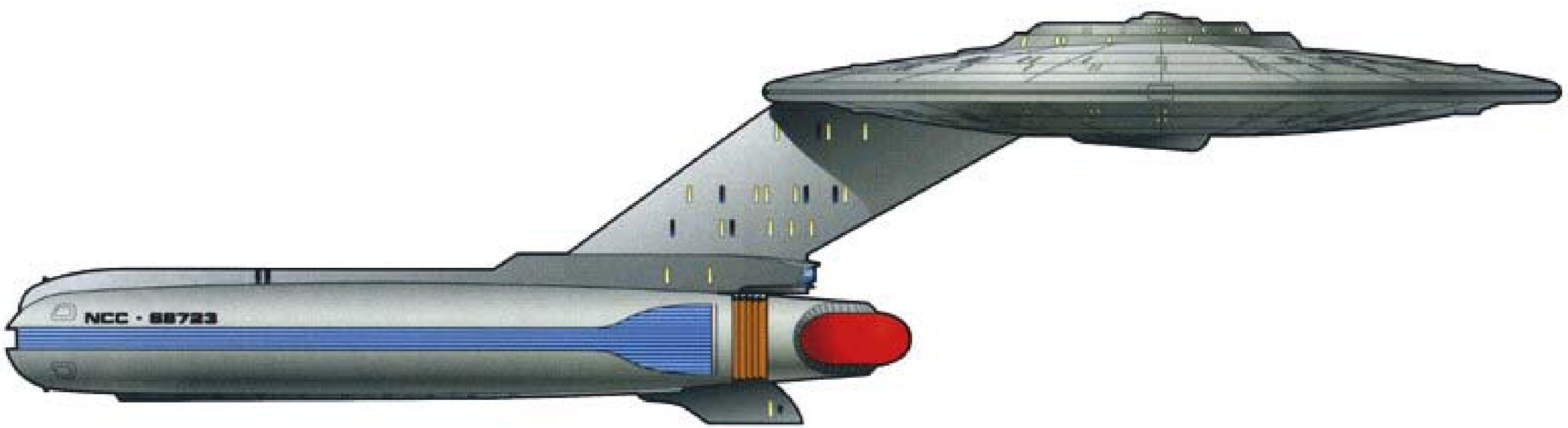
Tactical: The *Freedom* is well-armed for her size, with three Type IX phaser rings and two Mk 75 photon torpedo launchers. The FSP shield system provides very high levels of shielding.

Computer Systems: The *Freedom* carries the isolinear-based M-13, which is more than adequate to run the ship's systems.

Builders: The first nine vessels were built at Newport News Shipyards and an additional two were ordered from San Francisco Spacedock.

Development and Construction History: The *Freedom* Class was approved in 2347 for ten vessels plus the prototype. Once in service, the vessel was considered adequate for her role, but was not as effective as the larger *Steamrunner*. In the end, the current mix of both was considered adequate and SSDC was charged with beginning the preliminary scoping of a new heavy destroyer class for the 2360s or 2370s.



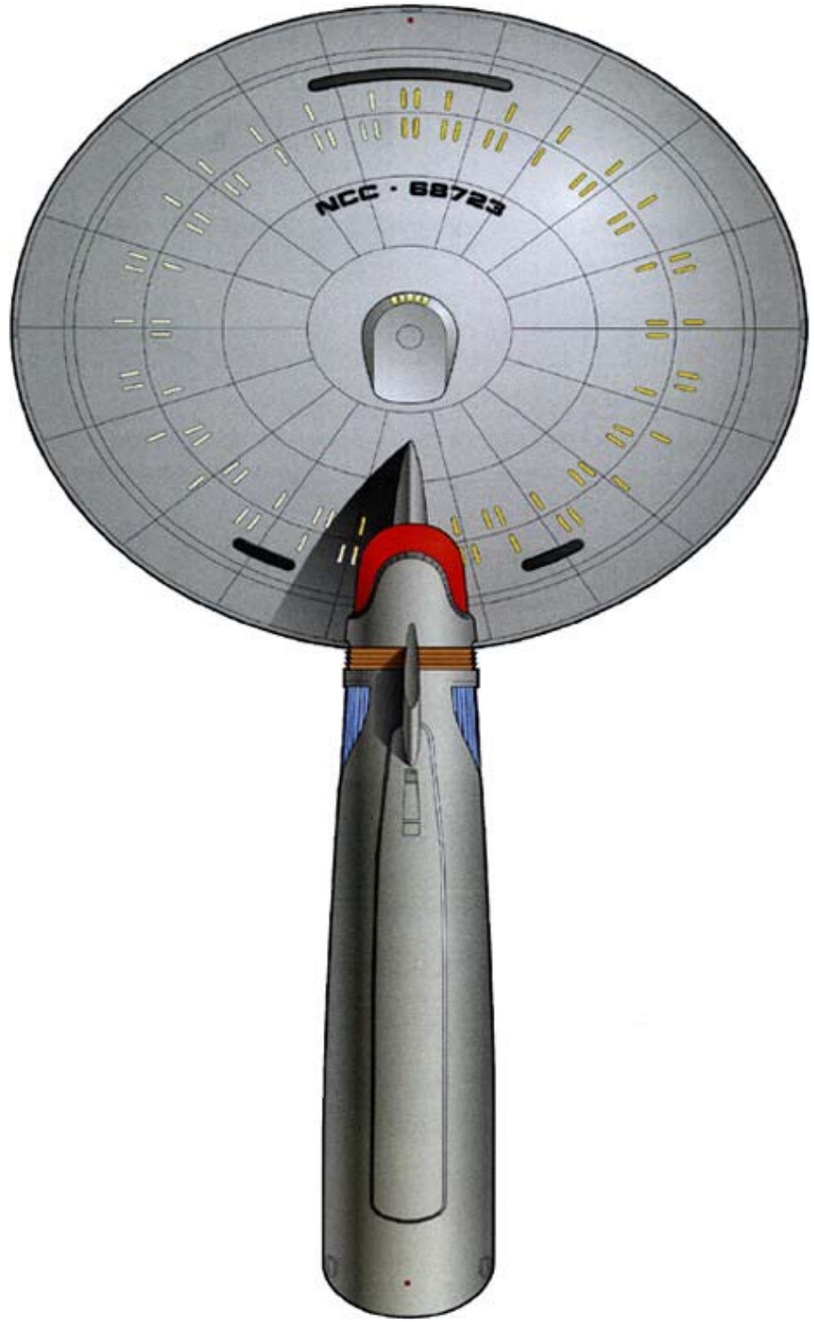


Current Specifications for the *Freedom* class:

Displacement	1,075,000 mt	
Overall Length	430 m	
Overall Draft	121 m	
Overall Beam	260 m	
Propulsion:	One LF-30 Mod 1 energized-energized antimatter warp drive units	
	(System Contractor: Leeding Energies, Earth)	
	One FIG-2 subatomic unified energy impulse unit	
	(System Contractor: Kloratis Drives, Tellar)	
	QASR-2 particle beam maneuvering thrusters	
	(System Contractor: Scarbak Propulsion Systems, Earth)	
	"Trentis III" pulsed laser reaction control system	
	(System Contractor: Orage Ijek, Aksajak, Andor)	
Velocity:	Warp 5.0	Standard Cruising Speed
	Warp 7.5	Maximum Cruising Speed
	Warp 9.0	Maximum Attainable Velocity
Duration:	5 years, standard	
Complement:	50	Officers
	250	Enlisted Crew
	0	Passengers (Normal – Up to 100 maximum)
	300	Total Crew (Standard)

Embarked Craft:	0	*Danube* Class Runabout
	4	Type 6 Personnel Shuttle
	2	Type 7 Personnel Shuttle
	2	Type 9A Cargo Shuttle
	8	Type 16 Shuttlepod
	0	*Peregrine* Class Fighter
	0	S-3 *Sentry* SWAC Shuttle
Navigation:	RAV / ISHAK Mod 3 Warp Celestial Guidance	
	(System Contractor: Tlixis Ramab RRB, Coridan III)	
Computers:	M-13 Isolinear I	
	(System Contractor: Daystrom Computer Systems, Luna)	
Phasers:	3 Type IX Collimated Phaser Array	
	(System Contractor: HiBeam Energies, Earth)	
Missiles:	2 Mk 75 Photon Torpedo Launchers	
	(System Contractor: Skat-Rar Weapon Systems, Andor)	
Defense:	FSP Primary Force Field	
	(System Contractor: Charlottes Shields, Earth)	
Life Support:	NAG1 Modular Gravity Unit	
	(System Contractor: New Amsterdam Gravitics, New Amsterdam, Alpha III)	
	AL2 Life Support System	
	(System Contractor: A'Alakon Landiss, Divallax, Andor)	


NCC · 68723
U.S.S. FIRESTRAND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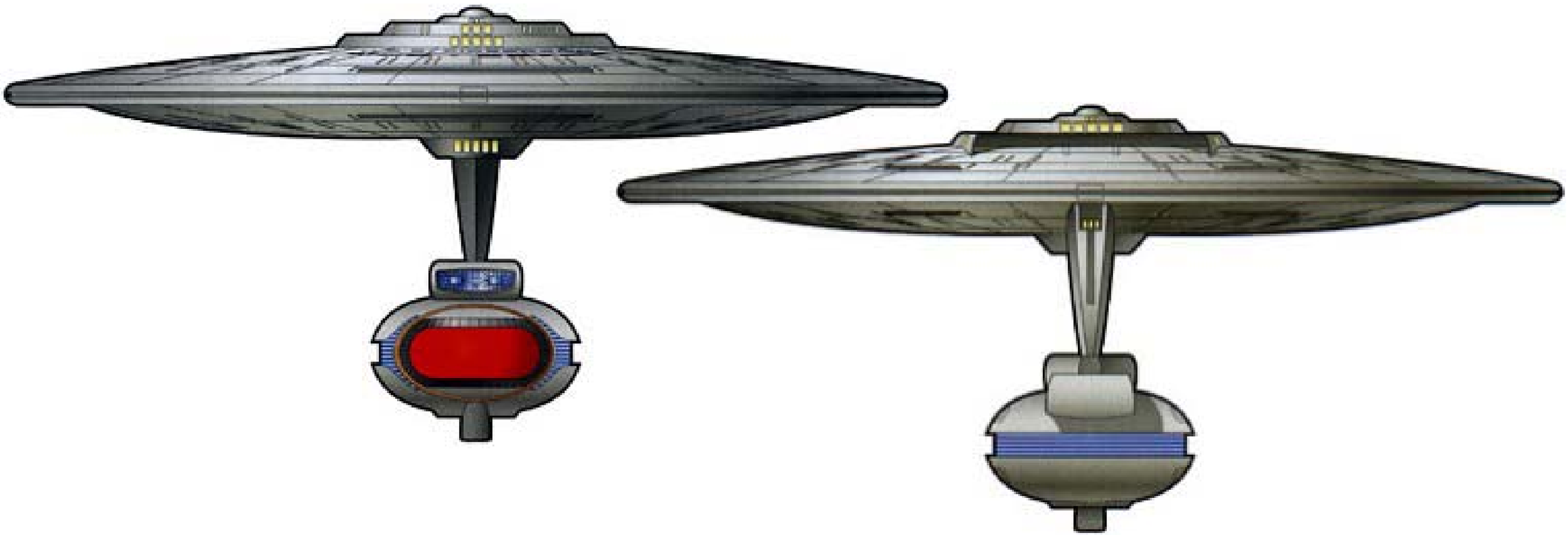
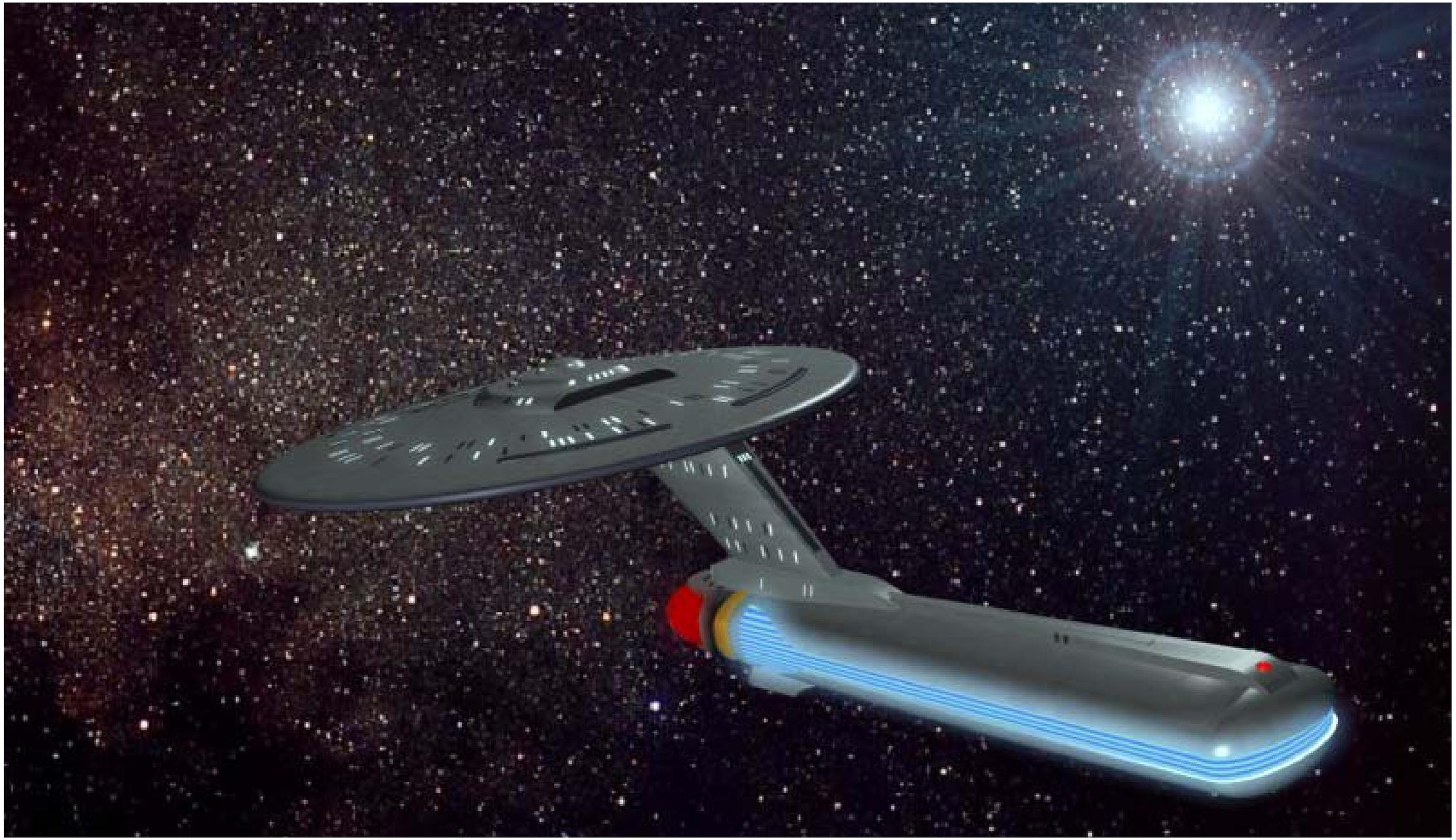




STEAMRUNNER
CLASS HEAVY DESTROYER

Starfleet has always maintained a defensive-oriented force structure. The largest Explorer class vessels were also the best-armed and were expected to protect the Federation in times of crisis. However, the ships were called upon more and more to "put out fires" and "show the Flag", detracting from their primary role as Explorers. The *Miranda* class, though originally heavy frigates, had become outclassed by their Threat counterparts, and could no longer perform these roles adequately. The Starfleet Spacecraft Design Advisory Commission was charged with developing a new vessel capable of performing these roles, freeing the *Ambassador* and *Excelsior* class starships to continue their exploration roles.

***Class*:** Starfleet had not had a true "destroyer" class ship since the old *Baker* class, which had been retired by 2315. Therefore, they developed the *Freedom* class to fill the role. However, the class was outmatched by the Romulan forces they encounterd during the Tolmed incident, and SSDAC put forth a proposal for a new destroyer for Neutral Zone patrol duties. The *Steamrunner* Class Starship Development Project best fit the requirements — small size, decent weaponry, and low operating costs. No Federation starship performs a purely military role in this day and age. Fleet resources are too precious for such a vessel. So while the *Steamrunner* is combat-oriented, she also carries a small scientific compliment and performs scouting and survey missions while on patrol duties. There is also an extremely limited diplomatic capability, and ships of this class have performed such duties in the more out-of-the-way places in the Federation Treaty Zone.

***Classification*:** The *Steamrunner* class was originally envisioned as a destroyer, but was upgraded to heavy destroyer after the final design was approved.

***Design*:** The *Steamrunner* class is an intriguing design. As a combat vessel, it was necessary to protect vital ship's systems. Therefore, the warp nacelles are buried into the hull structure. The nacelle structures extend back from either side of the primary hull, joining together in the back by a structural crossmember that bends down to a pod that houses the navigational deflector. This design has also been found to be inherently stronger than the traditional elliptical shape, allowing a 15% reduction in mass through the use of thinner structural members.

***Engineering*:** The size and performance characteristics of the LF-20 warp drive and FIG-2 impulse unit were a perfect match for the *Steamrunner* class, allowing a standard cruising speed of Warp 7 and a top speed in excess of Warp 9.

***Tactical*:** The *Steamrunner* was designed to hold its own in a combat situation. As such the ship mounts six Type IX phaser rings and two Mk 75 photon torpedo launchers. The FSP shield system from the *Ambassador* class was fitted, giving the ship excellent defensive shielding.

Computer Systems: The *Steamrunner* carries the isolinear-based M-13 as it was next to impossible to fit a larger computer core in these vessels. The M-13 has proven to be well-suited for the *Steamrunner* and constant firmware upgrades have continued to enhance the system.

***Builders*:** *Steamrunner* class destroyers have been built at both Starfleet and independent shipyards.

Development and Construction History: The *Steamrunner* class was approved in 2340 with the lead vessel entering service in 2343. All told, the *Steamrunner* class serves her designed role well, though the lack of scientific facilities has hurt the vessel during peacetime deployments.

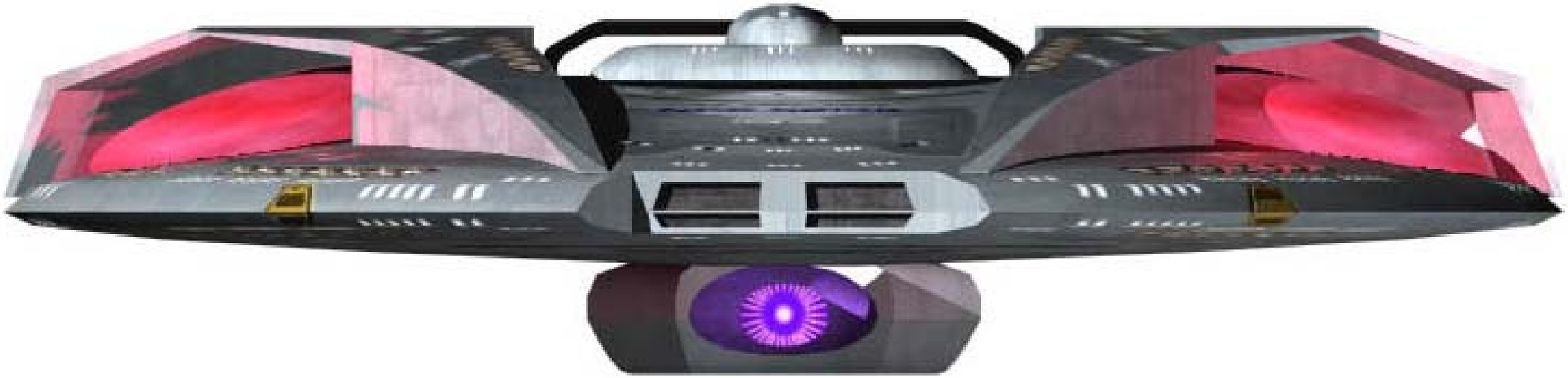
28 HEAVY DESTROYER: "STEAMRUNNER" CLASS

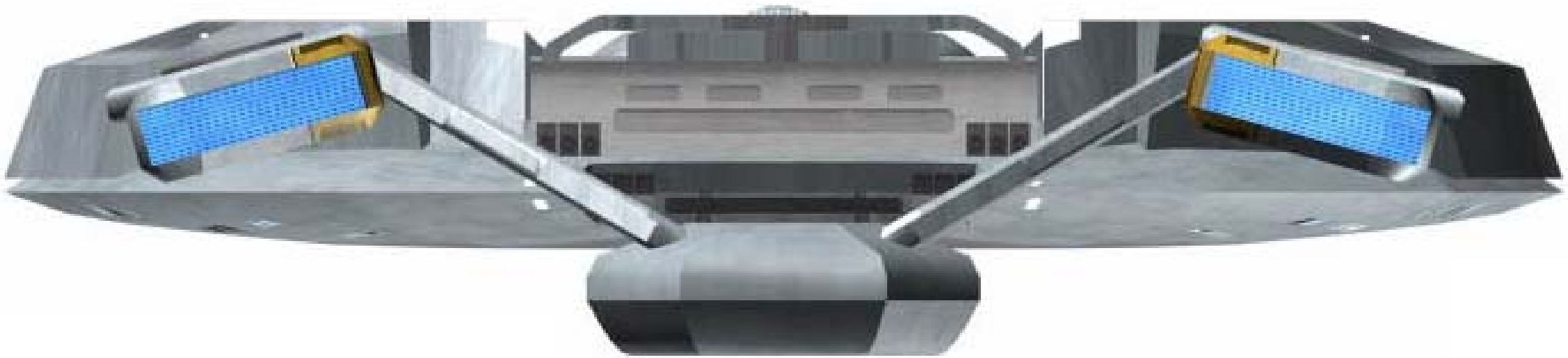
Number	Name	Builder	Laid Down	Launched	Commissioned	Status
NCC-52130	*Steamrunner*	Spacedock, San Francisco, Earth	July 2338	October 2340	March 2341	Active
NCC-52131	*Everest*	Spacedock, San Francisco, Earth	July 2338	October 2340	March 2341	Active
NCC-52163	*Hiroshima*	Spacedock, San Francisco, Earth	August 2338	November 2340	April 2342	Active
NCC-52433	*Olympus Mons*	Utopia Planitia Fleet Yards, Mars	October 2338	January 2341	June 2342	Active
NCC-52484	*Glenfinnen*	Utopia Planitia Fleet Yards, Mars	November 2338	February 2341	June 2342	Active
NCC-52516	*Rockies*	Newport News Fleet Yards, Earth	January 2339	April 2342	September 2342	Active
NCC-52572	*Appalachia*	Newport News Fleet Yards, Earth	March 2339	July 2342	December 2342	Active
NCC-52630	*Himalayas*	New Aberdeen Fleet Yards, Aldeberan	May 2339	September 2342	February 2343	Active
NCC-52701	*Andes*	Chiokis Starship Construction, Thelavor, Andor	July 2339	November 2342	May 2343	Active
NCC-52769	*Caucasus*	Port Copernicus Fleet Yards, Luna	August 2339	November 2342	May 2343	Active
NCC-52824	*Urals*	M'Yengh Yards, Shzerensohr, Cait	September 2339	December 2342	June 2343	Active
NCC-52841	*Alps*	M'Yengh Yards, Shzerensohr, Cait	October 2339	January 2343	July 2343	Active
NCC-52900	*Pyrenees*	Alfras Fleet Yards, Deneb V	October 2339	January 2343	July 2343	Active
NCC-52973	*McKinley*	Alfras Fleet Yards, Deneb V	December 2339	March 2343	September 2343	Active
NCC-53278	*Rainier*	Puget Sound Fleet Yards, Earth	January 2340	April 2343	October 2343	Active
NCC-53347	*Ararat*	Puget Sound Fleet Yards, Earth	January 2340	April 2343	October 2343	Active
NCC-54414	*Blanc*	Cosmadyne Yards, Boston	January 2340	April 2343	October 2343	Active
NCC-54576	*Cerro Aconagura*	Puget Sound Fleet Yards, Earth	February 2340	April 2343	November 2343	Active
NCC-55627	*Alpha Regio*	Saint Petersburg Fleet Yards, Earth	February 2340	May 2343	November 2343	Lost
NCC-56048	*Maxwell Montes*	Seskon Trella, Chagala, Tellar	April 2340	July 2343	January 2344	Active
NCC-56171	*Ardennes*	Utopia Planitia Fleet Yards, Mars	April 2340	July 2343	February 2344	Active
NCC-56315	*Olympics*	Pederson Spaceport, Copenhagen, Earth	May 2340	August 2343	February 2344	Active
NCC-56776	*Cascades*	Puget Sound Fleet Yards, Earth	May 2340	August 2343	March 2344	Active
NCC-57154	*Carpathians*	Axaanivus Cesleco Starcraft, Alpha Centauri V	June 2340	September 2343	March 2344	Active
NCC-57501	*Elburz*	Alfras Fleet Yards, Deneb V	September 2340	December 2343	April 2344	Lost
NCC-57834	*Theia Mons*	Axaanivus Cesleco Starcraft, Alpha Centauri V	February 2341	April 2344	November 2344	Active
NCC-58134	*Caloris Montes*	New Aberdeen Fleet Yards, Aldeberan	March 2341	June 2344	December 2344	Active
NCC-58157	*Sierra Nevada*	New Aberdeen Fleet Yards, Aldeberan	March 2341	June 2344	December 2344	Active
NCC-58372	*Sierra Madres*	Newport News Fleet Yards, Earth	May 2341	August 2344	January 2345	Active
NCC-58481	*Aravalli*	Shor Ta'kel, Central Docks, 40 Eridani	May 2341	August 2344	January 2345	Lost
NCC-58948	*Kolymara*	Earth Station McKinley, Earth	July 2341	October 2344	March 2345	Lost
NCC-59427	*Ja'Fadey Montains*	Hakon Yards, Galena	August 2341	November 2344	April 2345	Lost
NCC-59753	*Charitum Montes*	Chiokis Starship Construction, Thelavor, Andor	August 2341	November 2344	April 2345	Active
NCC-60045	*Kilamanjaro*	Chandley Works, Caravalia, Mars	October 2341	January 2345	June 2345	Active

Current Specifications for the *Steamrunner* class:

Displacement	275,000 mt	
Overall Length	292 m	
Overall Draft	45 m	
Overall Beam	217 m	
Propulsion:	Two FL-20 Mod 1 energized-energized antimatter warp drive units	
	(System Contractor: Cochrane Warp Dynamics, Alpha Centauri V)	
	Two FIG-2 subatomic unified energy impulse units	
	(System Contractor: Kloratis Drives, Tellar)	
	QASR-2 particle beam maneuvering thrusters	
	(System Contractor: Scarbak Propulsion Systems, Earth)	
	"Trentis IV" pulsed laser reaction control system	
	(System Contractor: Orage Ijek, Aksajak, Andor)	
Velocity:	Warp 7	Standard Cruising Speed
	Warp 9.0	Maximum Cruising Speed
	Warp 9.6	Maximum Attainable Velocity
Duration:	5 years, standard	
Complement:	100	Officers
	500	Enlisted Crew
	100	Passengers (Maximum)
	600	Total Crew (Standard)

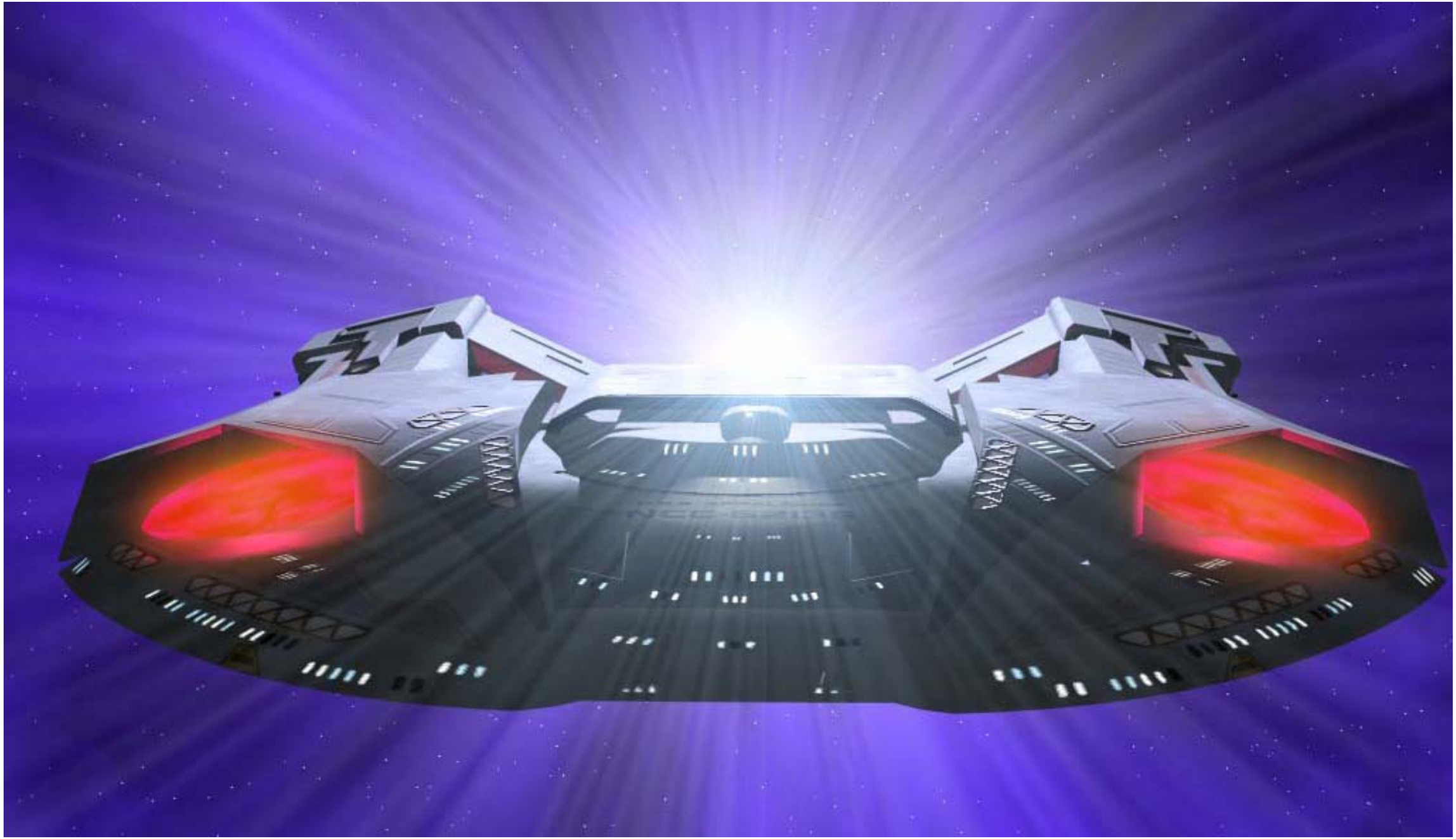
Embarked Craft:	0	*Danube* Class Runabout
	4	Type 6 Personnel Shuttle
	4	Type 7 Personnel Shuttle
	2	Type 9A Cargo Shuttle
	6	Type 16 Shuttlepod
Navigation:	RAV / ISHAK Mod 3 Warp Celestial Guidance	
	(System Contractor: Tlixis Ramab RRB, Coridan III)	
Computers:	M-13 Isolinear I	
	(System Contractor: Daystrom Computer Systems, Luna)	
Phasers:	6 Type IX Collimated Phaser Array	
	(System Contractor: HiBeam Energies, Earth)	
Missiles:	2 Mk 75 Photon Torpedo Launchers	
	(System Contractor: Skat-Rar Weapon Systems, Andor)	
Defense:	FSP Primary Force Field	
	(System Contractor: Charlottes Shields, Earth)	
Life Support:	NAG1 Modular Gravity Unit	
	(System Contractor: New Amsterdam Gravitics, New Amsterdam, Alpha III)	
	AL2 Life Support System	
	(System Contractor: A'Alakon Landiss, Divallax, Andor)	





U.S.S. APPALACHIA
NCC-52136


U.S.S. APPALACHIA
NCC-52138



THE STEAMRUNNER CLASS HEAVY DESTROYER U.S.S. RAINIER (DH 53278) IS BACKLIT BY A PULSAR

A DRAMTIC SHOT OF THE U.S.S. KILAMANJARO (DH 60045) CRASH-LANDING AFTER AN ENGAGEMENT WITH DOMINION FORCES. THE CREW WAS RESCUED SHORTLY THEREAFTER, BUT THE VESSEL WAS UNRECOVERABLE AND SCUTTLED.

APPENDICES

ABOUT THE PUBLISHING TEAM

Chief Editor and Publisher: Admiral Chris Wallace
The current Chief of Star Fleet Operations, Admiral Wallace also served as the Executive Director of the *Galaxy* and *Galaxy (II)* Class starship development projects and is a former Chairman of the Advanced Starship Design Bureau. He was the Commanding Officer of both the U.S.S. *Bright Star* and U.S.S. *Galaxy*.

Layout Consultant: Sakura Shinguji
Ms. Shinguji serves as the Director of Publications for Panda Press Interstellar.

Project Coordinator: Captain Belldandy Morisato
Captain Morisato has served as the Project Coordinator for most of DTS and ASDB's technical publications. She is the Executive Officer of the U.S.S. *Bright Star*.

Strategic Editor: Commander Natsumi Tsujimoto
Commander Tsujimoto serves as the Tactical Officer aboard the U.S.S. Bright Star and served on the battle planning and management staffs for most of the Dominion War's largest engagements.

Production Editor: Rear Admiral Kurt Roithinger
The former commander of the *Space Station Nexus*, Rear Admiral Roithinger has worked on a number of Star Fleet projects.

Technical Editor: Admiral Alex Rosenzweig
Admiral Rosenzweig is the current Director of the Star Fleet Department of Technical Services, as well as the Director of the Office of Technical Information. He has chaired numerous Star Fleet committees and panels, including the commission that oversaw the loss of the U.S.S. Enterprise at Veridian III.

Engineering Consultant: Lieutenant Commander Skuld
The Chief Engineering Officer of the U.S.S. *Bright Star*, Commander Skuld served on the *Galaxy (II)* Class Starship Development Project and is considered one of the top field engineers in Star Fleet.

Systems Analyst: Rear Admiral Carsten Pedersen
Considered one of the premiere designers at Star Fleet R&D, Admiral Pedersen has lent his talents to most of the starship designs put into production over the past decade.

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Admiral Scharmen serves as the Naval Liaison between Star Fleet Operations and the Star Fleet Spacecraft Design Advisory Commission.

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Commodore Pipgras is the Director of the Region Five Office of Graphic Design.

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Doctor Sternbach serves on the Advanced Propulsion Unit of the Advanced Starship Design Bureau. He was a senior member of the *Galaxy*, *Sovereign*, *Intrepid*, and *Defiant* Class Starship Development Projects.

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PERSONNEL PLAQUES

CHRIS WALLACE AND KURT ROITHINGER

TEAM KEMPO

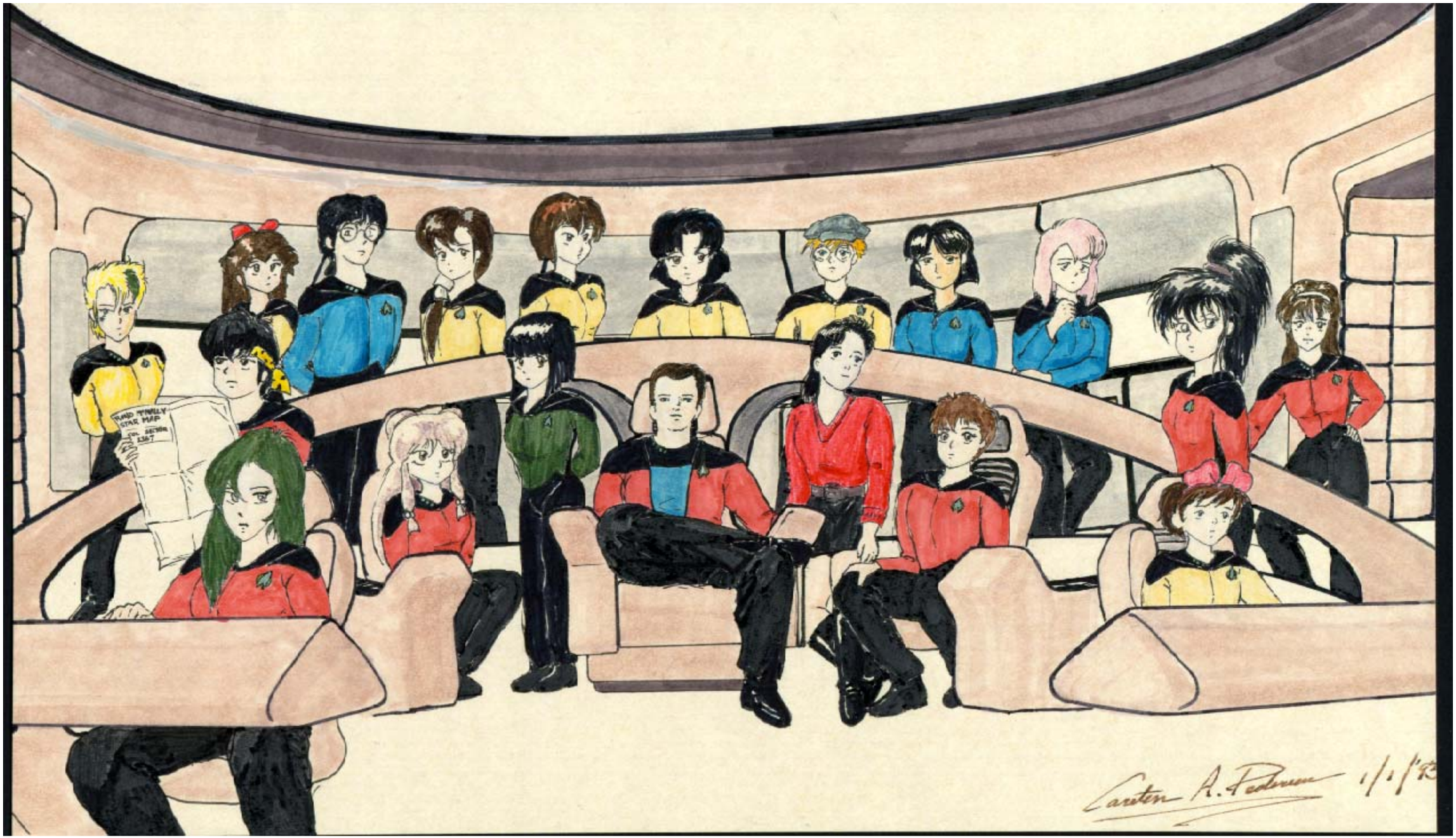
Definition & Conception

Team Kempo is the designation for the Advanced Starship Design Bureau's Research and Development Testing Group, which is assigned to the Utopia Planitia Fleet Yards.

When he was named Chairman of the ASDB, then Rear Admiral Chris Wallace chose the first *Galaxy (II)* Class Large Exploratory Cruiser, the U.S.S. *Bright Star* (CKE 71875) to serve as the Test-Bed Vessel of the ASDB. The *Galaxy (II)* Class was the most advanced starship class in existence at the time, and the sheer size and volume makes it a good platform for testing new propulsion, computer, and tactical systems. In point of fact, the *Galaxy (II) / Bright Star* was the first installation of the LF-41B and LF-46 engines, Type XII phaser, and the M-16 Bio-Neural Gel Pack Isolinear III computer system.

As opposed to using the specialized prototype test crew (Cathedral Unit), the original test crew for the *Bright Star* were selected from various personnel who were chosen for their particular skills and experience aboard *Galaxy* and *Nebula* class starships. This was due to the significant changes that had been incorporated into the *Galaxy (II)* class as well as Admiral Wallace's desire to train an R&D testing crew who would also serve as the ship's Command Crew. It was thus composed of some of Starfleet's best officers in each discipline, and all are considered experts in their respective fields. Of *Bright Star's* original Command Crew, five were members of the Federation Kempo Team for 2370, and they therefore chose "Team Kempo" as their codename.

The *Bright Star* remains the primary "testbed" ship for the ASDB, and most of the new technologies developed for use within the Star Fleet are tested first on this vessel. In 2372, the *Bright Star* was joined by the U.S.S. *Werner von Braun* (CKE 72069), which was designated as ASDB's Engineering Testbed vessel to test advanced and theoretical propulsion systems and technologies along with *Bright Star*.


FINALLY
STAR MAP
SECTOR
2367

REAR ADMIRAL
CHRIS WALLACE
COMMANDING OFFICER • USS BRIGHT STAR

COMMANDER
SHAN PU
EXECUTIVE OFFICER • USS BRIGHT STAR

COMMANDER
NOA IZUMI
SECOND OFFICER • USS BRIGHT STAR

COMMANDER
MADOKA AYUKAWA
CHIEF OF STAFF

COMMANDER
KIKI MIYAZAKI
CHIEF OF OPERATIONS • USS BRIGHT STAR

COMMANDER
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COMMANDER
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LIEUTENANT COMMANDER
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TACTICAL OFFICER • USS BRIGHT STAR

LIEUTENANT COMMANDER
KASUMI TENDOU
CHIEF OF SHIP'S SERVICES
USS BRIGHT STAR

LIEUTENANT COMMANDER
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LIEUTENANT
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LIEUTENANT JUNIOR GRADE
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LIEUTENANT
UKYOU KUONJI
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LIEUTENANT
URD
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TEAM KEMPO • STARSHIP U.S.S. BRIGHT STAR
LAUNCH CREW (2370)

AUTHOR'S NOTES

Welcome to the Second Edition of Ships of the Star Fleet: 2377-78. This project was first started in 1999 as a resource for fans on the ships of the *Next Generation / Deep Space Nine / Voyager* era. In 2003, I decided to do a major update and added some more of the "canon" ships, as additional information is available for them.

Since 1997, I have been publishing a journal titled Dockyard Review, which has showcased ships from 2290-2380. Being a fan of Mastercom Data Center's Ships of the Star Fleet: 2290-91, I decided to do something similar and chose 2377-78 for my first volume since that is the "current" *Star Trek* timeline for many of us.

As you can tell, I have not attempted (at least at this time) to include all the ships known to exist in the *Star Trek* universe of the late 2300's. This is primarily because when I first started, most of these vessels are little more than a class name, ship name, and NCC number. Therefore, I have insufficient information on them to really create an entry for them. Here in the United States I did not get the excellent Star Trek Fact Files which showcase so many of these designs (like the *Freedom* and *Apollo*, for example). Instead, I decided to settle on the more "popular" ones, at least within some fan circles. However, that does not mean what you see here is all that there will ever be. This is the third edition of this resource and I hope to continue revising it in the future. You will also notice there are very few "fan" designs. In general, those designs are showcased in Starfleet Prototype and Dockyard Review. Fortunately, Star Trek: The Magazine provided me with much of the data found in the Fact Files, as well as people starting to create CG artwork of some of the "missing" classes like the *Niagara, Freedom*, and *Challenger*, which allowed me to add them into the 2003 update.

I know that there were probably hundreds of vessels of the *Steamrunner*, *New Orleans*, *Saber*, and other classes. However, I did not want to fill the book with pages of names, so I limited the entries to a single page. For naming conventions, I started first with "canon" names and NCC numbers (those seen or referenced on screen). Next, I went with studio models and other printed sources from Paramount (like the Encyclopedia). Next, I choose names and NCC numbers from active chapters of STARFLEET: The International Star Trek Association (whom the publisher's happen to belong to) that happened to be of that class. For the *Freedom* Class I used the listing from the Trekmania site (www.trekmania.net). The rest…I made up. *grin*

A(nother) note about Registry numbers. I subscribe to the theory that registry numbers are assigned sequentially, with higher-numbered vessels (in general) being constructed after lower-numbered ones. This really threw a wrench in things, since it looks like almost *every* ship class known predates the *Galaxy*, which we know did not enter service until 2357. However, I asked myself what if the *Galaxy* class was not a revolutionary design, but instead was based on an established design lineage? Perhaps the *New Orleans* was the revolutionary design, and the *Galaxy* and *Nebula* took their cues from her? Also, we know up until 2344 that relations with the Klingons had become stormy (if the *Enterprise C* had not been at Nerandra III, there would have eventually been war as "Yesterday's Enterprise" showed us) so very powerful vessels like the *Akira* might have been developed in response to the threat of war. When this threat evaporated, peaceful explorers like the *Galaxy* class could be built. I plotted out all the construction dates from the first edition and found they made no sense. So I spent three days re-doing them all. From 2364 onwards, it gets dicey, but I did the best I could do. :-)

The information contained within this volume is purely the conjecture of myself and is not meant to be deemed official or "canon" in any way. I have, where possible, used official Paramount sources for information. Where that has failed, I have gone to the web and other books. I am indebted to Rick Sternbach, Michael and Denise Okuda, and the rest of the Star Trek Art Department folks for providing information. Thanks also go to Alex Jaegar at ILM for his data on the *Akira* class battlecruiser and Alex Rosenzweig for providing a listing of many of the names and NCC numbers included herein. I'd also like to double (as opposed to single) out Graham Kennedy's *Daystrom Technical Institute* (http://www.ditl.org) and Bernd Schneider's *Ex Astris Scientia* (http://www.ex-astris-scientia.org) pages for the helpful technical information they provided. And a final *big* thank you to Mateen Greenway (http://mateengreenway.simplenet.com), Peter Savin and the gang at Scifi-Art.com (http://www.scifi-art.com) and the talented folks who contribute to SciFi-Meshes.com (http://www.scifi-meshes.com) for providing the high-quality graphics seen throughout this book.

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THE USS ENTERPRISE (CH 1701-E) - THE SIXTH VESSEL TO CARRY THIS MOST FAMOUS OF NAMES
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THE SOVEREIGN CLASS HEAVY CRUISER USS KENSINGTON (CH 75016) ON PATROL NEAR STARBASE FIVE
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THE USS PROMETHEUS (CT 74913) TESTS HER MULTI-VECTOR ASSAULT MODE
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THE NEW ORLEANS CLASS FRIGATE USS ARLEIGH BURKE (FR 57291) EXPLORING A NEW NEBULA
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A PAINTING OF THE NORWAY CLASS FRIGATE USS BUDAPEST (FR 64923)
(STAR TREK ART DEPARTMENT)
THE SULLIVANS CLASS TACTICAL FRIGATE
Starship USS O'Banon (http://seatonmarine.tripod.com/index2.htm)
THE FREEDOM CLASS STARSHIP
The Red Admiral (http://www.trekmania.net/)
THE STEAMRUNNER CLASS HEAVY DESTROYER USS RAINIER (DH 53278) IS BACKLIT BY A PULSAR
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A DRAMTIC SHOT OF THE USS KILAMANJARO (DD 60045) CRASH-LANDING AFTER AN ENGAGEMENT WITH DOMINION FORCES
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STARSHIP ART CREDITS – VOLUME THREE

THE CHEYENNE CLASS SUPERSCOUTS USS CHEYENNE (SS 50000), APACHE (SS 51821), MOHICAN (SS 66679), AND CHEROKEE (SS 62292) PASS IN REVIEW DURING A STARFLEET SHOW
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