













## NOTES ON THE SUPPORT CRAFT & EQUIPMENT

-The AACHEN can carry a maximum of 2 shuttles. Each shuttle has a normal capacity of 6 people but may carry up to 8 passengers in emergency situations.

-In times of war, the shuttles can be switched out for more muscular support ships. The AACHEN can carry up to 4 Attack & Reconnaissance Craft (ARCs) or up to 2 Large Attack & Reconnaissance Craft (LARCs). ARCs require 2 operators. They carry two laser cannon, up to 6 small missiles or 4 large missiles, and one full-sized torpedo. The LARCs require 2-3 operators. It can carry two full-sized torpedoes and has more powerful lasers than the ARC. Both the ARC and LARC fold their wings down to land.

-The AACHEN carries 6 work pods at all times. These tiny vessels are used to train pilots and crew in weightless maneuvering, perform external repairs on the ship, move bulky cargo units, explore & gather samples from objects such as asteroids (under supervision from a larger vessel or the ship), and if necessary, provide replacement parts for other support craft. The work pods carry a maximum of 1 person, who is usually space-suited.

 The AACHEN carries an array of probes and satellites, as well as torpedoes and missiles. The standard compliment of class B probes is 70, and up to 6 class A. About 10 communication relay satellites can be stored in the drop-bays on deck S. The ship carries 170 torpedoes, up to 50 small missiles, and any number of large/small missiles can be stored in the cargo sections.

-There are 10 life boats, located on deck 2. Each has a capacity of 7 people, and are designed to make landfall on their own if necessary. They can support 7 people for 1 month, or up to 6 months if the stasis system is used (plus the one month out of stasis adds up to a potential 7 months). The stasis system should not be used unless absolutely necessary. The boats have no gravity systems and cannot takeoff from a planet.













## П E.S.S. AACHEN XCV-770

HISTORY OF THE AACHEN (2160 - 2218)

The E.S.S. AACHEN was constructed in the San Francisco Fleet Yards, and was the first of the The 2.3.5 ARCHEY was constructed in the sum runds for reads, in the values in the sort of the N12-Class star ships: XCV-770. It was one of the last ships built entirely by the Earth government before Earth joined the United Federation of Planets in 2161. The ship was only 15 months out of dock when the Earth Startleet was dissolved and restructured into the Federation Startleet.

Because of this change it's sister ships would be assigned NCC registries, beginning with the U.S.S. THUNDER (NCC-119), which entered service 20 months after the AACHEN. However, the AACHEN was allowed to keep its registry, as were all other hold-over vessels from the old leet.

The AACHEN was designed to hold 148 crewmen, giving it one of the fleet's largest crew compliments, despite the compact design. The outer hull of the ship was specially designed to reduce drug and frictional heating, which was intended to allow the ship to descend into the atmospheres of gas giants and other planetary bodies.

The lessons learned from previous space explorers were put to good use. Many innovative safety features were added to the AACHEN, which were absent from earlier designs. The ship was given the ability to crash-land safety in the event of an emergency. Thoogh this process would arush the forward parts of deck 6 and the sensor array, in theory the ship could take of again. The nacelles and engine compartment were given much faster and more reliable ejection systems, so the ship's crew could survive an engine breach.

The ship was eventually damaged in a battle with Klingon warships in 2218, and decommissioned. The ship was 58 years old at this point and had exceeded it's original life-span expectancy by 8 years. It's nacelles and engines were destroyed in the battle, but it's primary hull survived into the late 23rd century as part of a cargo vessel, a tribute to the ship's durability.





the ship design. The last ship to be built, the U.S.S. HELLDIVER, featured a much larger bridge module, different sub-light engines and more advanced nacelles, among many other less obvious changes.



Captain (1) Helm (3) Navigation (3) Pod/Shuttle Pilot (6) Pod/Shuttle Pilo Sensor/Scanner Galley crew (2) er operator (6)

SCIENCES Science Officer (3) Science Lab Technician (9) Genetics & Biology (3) Physical sciences (6) Botany (3) Stellar/Planetary Cartography (3) Catalogue/Library/Catagorize (3) SECURITY Security Chief (1) Tadical officer (6) Torpedo loader/operator (10) Security force (12) Laser manager (12)

MEDICAL MEDICAL Chief Surgeon & Surgeons (3) Doctor/Pharmaceutical (3) Head Nurse (1) Assistant Nurse (3)

Medic (6) Medical Lab Staff (3)

The crew listings above list the ALERT-STATUS duties only. The complexity of running a star ship and the limited crew capacity requires that most crewman in security/tackical have double duties. For example, toppedo room crewman may double as a yeoman or lab assistant. There is rarely an idle shift for anyo torpedo room crewm on the AACHEN.

Guest/Diplomat/Admiral/ VIP (2 max)

EMERGENCY/SHORT TERM CAPACITY: 200

OTHER

TOTAL CREW: 148 TOTAL CAPACITY: 150

ROOMING BREAK-DOWN:

SINGLES (ó Total) -C Deck: (2) Captain, First officer -D Deck: (2) Department heads -E Deck: (2) Guest quarters

ó-PERSON ROOM (16 Total) -C Deck: (6) Officers -D Deck: (10) Jr. Officers/Crewmer

12-PERSON ROOM (4 Total) -C Deck: (3) Crewmen -E Deck: (1) Crewmen

UNIFORM KEY:	(With data tablet)	Security/Tactical
Sciences	Engineer	Space suit (grey) EV suit (blue)