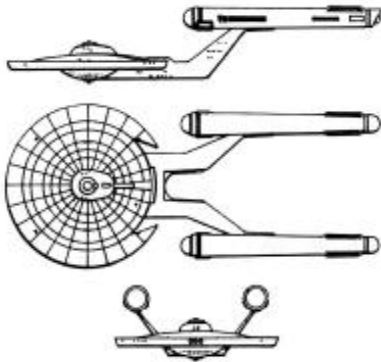
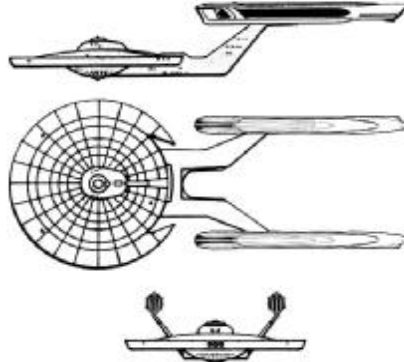




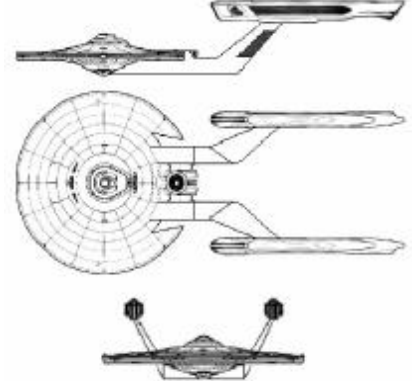
## Loknar Class VIII-X Frigate



Mks I and II



Mks IV and V refits



Mk IV new builds and Mk V new builds/refits (after 2288)

### Construction Data

<i>Model Numbers</i>	Mk Ia	Mk Ib	Mk Ic	Mk IIa	Mk IIb	Mk IV	Mk V
<i>Ship Class</i>	VIII	IX	VIII	VIII	IX	X	X
<i>Date Entering Service</i>	2247 (1/90)- 2253 (1/95)	2253 (1/95)- 2255 (1/98)	2255 (1/97)- 2256 (1/99)	2256 (1/98)- 2270 (2/15)	2256 (1/98)- 2270 (2/15)	2269- (2/13) 2279 (2/19)	2271 (2/17)- 2288 (2/24)
<i>Number Constructed</i>	46 new builds	25 refits	16 refits	15 (Mk Ic refits)	19 new builds, 24 refits	25 new builds, 21 refits	46 new builds, 76 refits
<b>Hull Data</b>							
<i>Superstructure Points</i>	20	20	20	20	21	23	25
<i>Damage Chart</i>	C	C	C	C	C	C	C
<i>Size</i>							
Length	290 m	290 m	290 m	290 m	290 m	290 m	290 m
Width	127 m	127 m	127 m	127 m	127 m	127 m	131 m
Height	56 m	56 m	56 m	56 m	56 m	56 m	58 m
Weight	117,980 mt	120,120 mt	119,200 mt	118,835 mt	120,335 mt	144,635 mt	148,525 mt
<b>Cargo</b>							
Cargo Units	260 SCU	260 SCU	260 SCU	280 SCU	280 SCU	280 SCU	280 SCU
Cargo Capacity	13,000 mt	13,000 mt	13,000 mt	14,000 mt	14,000 mt	14,000 mt	14,000 mt
Landing Capability	None	None	None	None	None	None	None
<b>Equipment Data</b>							
<i>Control Computer Type</i>	M-2	M-2	M-2	M-2	M-2	M-3	M-4
<b>Transporters</b>							
standard 6-person	3	3	3	3	3	3	3
emergency 22-person	1	1	1	1	1	1	1
cargo	1	1	1	1	1	1	1
<b>Other Data</b>							
Crew	76	79	79	79	79	84	84
Passengers	4	4	4	4	4	4	4
Shuttlecraft	2	2	2	2	2	2	2
<b>Engines and Power Data</b>							
<i>Total Power Units Available</i>	19	19	19	29	29	42	42
<i>Movement Point Ratio</i>	3/1	3/1	3/1	3/1	3/1	2/1	2/1
<i>Warp Engine Type</i>	FWE-1	FWE-1	FWE-1	FWE-2	FWE-2	FWD-2	FWD-2
Number	2	2	2	2	2	2	2
Power Units Available	8	8	8	13	13	18	18
Stress Charts	G/K	G/K	G/K	G/K	G/K	M/G	M/G
Maximum Safe Cruising Speed	Warp 7	Warp 7	Warp 7	Warp 7	Warp 7	Warp 6	Warp 6
Emergency Speed	Warp 9	Warp 9	Warp 9	Warp 9	Warp 9	Warp 8	Warp 8
<i>Impulse Engine Type</i>	FIC-2	FIC-2	FIC-2	FIC-2	FIC-2	FIC-3	FIC-3
Power Units Available	3	3	3	3	3	6	6
<b>Weapons and Firing Data</b>							
<b>Beam Weapon Type</b>							
Number	FL-4	FL-4	FL-4	FH-5	FH-5	FH-5	FH-5
Firing Arcs	4p/t/s	6 in 3 banks of 2 2f/p,2f,2t/s	6 in 3 banks of 2 2f/p,2f,2t/s	8 in 4 banks of 2 2f/p,2f/s,4a	8 in 4 banks of 2 2f/p,2f/s,4a	8 in 4 banks of 2 2f/p,2f/s,4a	8 in 4 banks of 2 2f/p,2f/s,4a
Firing Chart	G	G	G	R	R	R	R
Maximum Power	3	3	3	4	4	4	4
Damage Modifiers							
+2				(1-8)	(1-8)	(1-8)	(1-8)
+1	(1-4)	(1-4)	(1-4)	(9-16)	(9-16)	(9-16)	(9-16)
<b>Missile Weapon Type</b>							
Number	FAC-2	FAC-2	FP-1	FP-1	FP-3	FP-1	FP-6
Firing Arcs	1	2	2	2	4	4	4
Firing Chart	f	1f,1a	1f,1a	1f,1a	3f,1a	3f,1a	3f,1a
Power To Arm	G	G	L	L	D	O	O
Damage	4	4	1	1	1	1	1
	10	10	10	10	6	10	12
<b>Shields Data</b>							
<i>Deflector Shield Type</i>	FSH	FSH	FSH	FSK	FSK	FSK	FSK
Shield Point Ratio	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Maximum Shield Power	12	12	12	16	15	14	14
<b>Combat Efficiency</b>							
D--	63.6	63.6	63.6	76.6	78.0	112.9	115.8
WDF--	6.7	11.4	14.8	35.2	31.6	44.4	51.2
CE--	4.3	7.3	9.4	27.0	24.7	49.7	59.3

The *Loknar* Class frigates were built during "The Great Awakening", a period of expansion by the Federation. During this time, many research and exploration vessels were designed and built to aid in the efforts to solidify an enlarged and growing United Federation of Planets. Also during this period, a smaller number of warships were built. The *Loknar*, the most noted of these warships, is still in service to this day, a tribute to the quality of the Andorian design.

Soon after the Federation Appropriations Committee granted Starfleet the funds necessary to construct fleets to expand and patrol the limits of the UFP, Andorian factions began pushing for warship construction. The basic Andorian philosophy was that, in expanding, the Federation might come upon races as hostile as the Romulans and Klingons, leading to another protracted war for which the Federation and Starfleet were unprepared. The Andorians argued that, were this to happen or were the Klingons or Romulans to escalate hostilities, Starfleet needed to be better prepared and would need ships to protect the new borders and colonies. The Andorian arguments were successful, and Starfleet began a limited build-up of warships. Several ship building facilities were constructed by Andorian firms to design and manufacture these warships, the most notable of these on Sol IV and Salazaar, the largest and most productive in the Federation.

Introduced in October of 2247 (1/90), the *Loknar* class frigate mounted the new, but already proven, FWE-1 warp drive, in Starfleet's inventory for only two years. The FIC-2 impulse engine was introduced on the *Loknar* and has since proven itself to be one of the most reliable of all production. The *Loknar* Mk I was considered a 'muscle' ship because of its four heavy lasers and single accelerator cannon, making it equal to all but the largest Klingon vessels and more powerful than any ship in the Romulan navy. In addition, the *Loknar* mounted FSH shield generators, more efficient than any used by the enemies of the Federation.

During the Four Years War, the *Loknar* saw more action than any other vessel in Starfleet. As the war dragged on however, Starfleet realized the need for vessels with more firepower. When they could be spared, *Loknars* began being refitted at forward supply and repair stations. The Mk Ib *Loknar* mounted two additional laser cannons and an aft accelerator cannon. The lasers were banked to provide more flexibility in combat. Late in the war, the Mk Ic was introduced. This version of the *Loknar* mounted a curious blend of old and new technologies; it retained the lasers of its predecessors, but replaced the accelerator cannons with FP-1 photon torpedoes.

Although it was considered to be successful, the Andorian designers felt a need to improve the *Loknar*. The FWE-2 warp drive systems, still being tested, would produce 60% more power than the FWE-1 and would increase the ship's overall performance. The Mk II was commissioned into service in January of 2256 (1/98) mounting the FWE-2, even though this engine was not officially adopted by Starfleet until February of 2259 (2/00).

The most significant advance in starship technology came with the phaser and photon torpedo. The phaser delivered more firepower at longer ranges, weighed less, and required less structural reinforcing than the laser. The newly developed photon torpedo delivered the same explosive power at 75% less power requirement, was considerably lighter and required less structural reinforcement than the accelerator cannon. Eight FH-5phasers and new photon torpedo technology were incorporated into the Mk II, making it more powerful than anything in the Klingon fleet with the exception of the *D-10*. The Mk II also mounted an upgraded binary shield generator, the FSK, giving 33% more protection at the same output level as the earlier system. The Mk IIa *Loknars* were refits from surviving Mk Ic's- no new builds occurred of this version. The Mk IIb mounted 3 FP-3 photon torpedoes forward and 1 aft (the FP-3 was experimental when first mounted to the *Loknar*). This arrangement favored redundancy: during the Four Years War, several *Loknars* were placed at a severe disadvantage when their single forward missile weapon was damaged during combat. The Mk IIa's were refitted to Mk IIb standard by 2260 (2/03). Both versions saw limited action in the Four Years War.

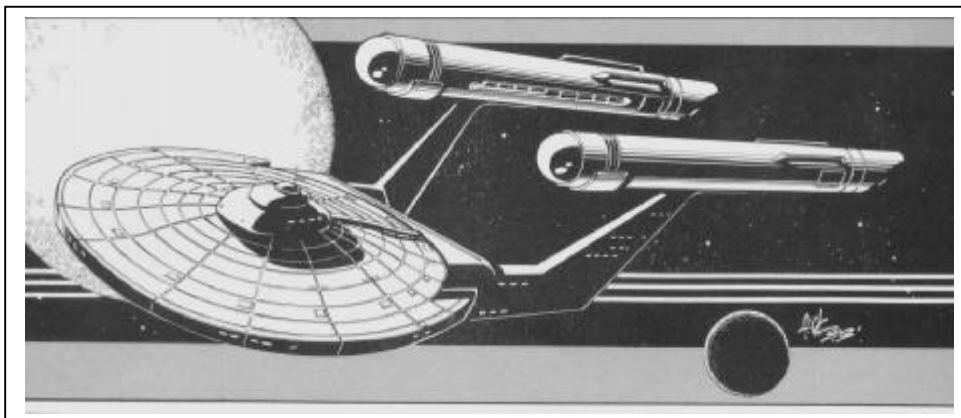
The next major change in the *Loknar*'s design came with the introduction of the FWD-2 warp drive to the Mk IV. Along with the FIC-3 impulse drive, this increased the power output and overall performance by 40%. Furthermore, this model replaced the 4 FP-3 photon launchers with the FP-1. The Mk V is the latest model of the *Loknar* class and is armed with FP-6 torpedoes.

*Loknar* class frigates have served Starfleet faithfully for over 40 years and will remain in the inventory for many years to come. A major push was begun by the Andorians to create the next generation of *Loknar*- the Mk VI. However, with four newer frigate designs already being produced, Starfleet Appropriations did not accept the proposal. The final *Loknar* was constructed in May of 2288 (2/24). *Loknars* were produced at the Salazaar and Sol IV facilities at a rate of 2 ships per year, including refits. At the behest of the Andorian government, all *Loknars* are to be refitted to Mk V standard and retained in active service.

#### Historical Notes:

The *Loknar* class frigates are named after cities and provinces of the Federation. More than half of these vessels are crewed by Andorians and the majority of these are assigned to the 'Blue Fleet', ships whose officer contingent and crew are entirely Andorian. The *USS Loknar* was the first ship commissioned into the Blue Fleet, serving as the flagship for many years.

The infamous IKS *V Staav'e Mara* (*Slave Of Justice*), was originally the *USS Morgan City*, a *Loknar* Class frigate captured by Admiral Kamato's forces during the Four Years War and later used in Kamato's abortive coup attempt on the Klingon throne. After failing, Kamato retreated into the Triangle, taking the *Loknar* class frigate with him. From their location in the Triangle, the Klingon rebels began attacking unprotected convoys and merchant vessels by using the *Staav'e Mara* to lure them in. This ruse lasted for several years, then a general recall of all *Loknar* class vessels made it difficult for the Klingon vessel to operate as though it were from Starfleet. The IKS Admiralty then decided to have the vessel painted in the standard steel-gray color of their Navy. The *Staav'e Mara* still operates with the IKS Navy and has been seen as recently as January 2287 (2/23).



## Disposition:

The following incomplete list of *Loknar* class frigates shows their hull numbers, name, model designation, date entering service, and current disposition. The disposition is represented by the letter codes given below and is followed by the date of occurrence.

I	Inactive	L	Lost, whereabouts unknown
D	Destroyed	R2	Refit to Mk II
CK	Captured in Four Years War	R4	Refit to Mk IV
DK	Destroyed in Four Years War	R5	Refit to Mk V
SC	Scrapped	T	Used by Training Command

NCC 2700	<i>Loknar</i>	I	1/9010, R2 1/9807, R4 2/1406	NCC 2751	<i>Izar</i>	II	1/9802, R4 2/1501, R5 2/2002
NCC 2701	<i>Ahkeil</i>	I	1/9011, R2 1/9901, I 2/1502	NCC 2752	<i>Titan</i>	II	1/9802, R4 2/1402, R5 2/1810
NCC 2702	<i>Vernol</i>	I	1/9101, DK 1/9412	NCC 2753	<i>Rhea</i>	II	1/9809, R4 2/1312
NCC 2703	<i>Trantis</i>	I	1/9104, R2 1/9810, I 2/1502	NCC 2754	<i>Helios</i>	II	1/9811, I 2/1410
NCC 2704	<i>Morgan City</i>	I	1/9107, CK 1/9409	NCC 2755	<i>Capor Bana</i>	II	1/9906, D 2/0305
NCC 2705	<i>Farside</i>	I	1/9201, R2 1/9906, I 2/1502	NCC 2756	<i>Houston</i>	II	2/0003, R4 2/1403, R5 2/1710
NCC 2706	<i>New America</i>	I	1/9205, R2 2/0012, R4 2/1410	NCC 2757	<i>Rio De Janeiro</i>	II	2/0102, R4 2/1312, R5 2/1906
NCC 2708	<i>Kosk</i>	I	1/92D6, Sc 2/0012	NCC 2758	<i>Lavinius</i>	II	2/0111, I 2/0902
NCC 2709	<i>Borga</i>	I	1/9212, DK 1/9506	NCC 2759	<i>Dallas</i>	II	2/0301, R4 2/1408, R5 2/2110
NCC 2710	<i>Peking</i>	I	1/9304, R2 1/9804, Sc 2/1411	NCC 2760	<i>Irlia</i>	II	2/0401, R4 2/1310, R5 2/2006
NCC 2711	<i>Epcot</i>	I	1/9306, R2 1/9812, R4 2/1406, R5 2/1808	NCC 2761	<i>Karrik Al Van</i>	II	2/0406, R4 2/1404, R5 2/1802
NCC 2712	<i>Aldebaran</i>	I	1/9310, R2 1/9904, D 2/0802	NCC 2762	<i>Thefel</i>	II	2/0603, R4 2/1408, R5 2/1712
NCC 2713	<i>Proxima</i>	I	1/9310, L 1/9711	NCC 2763	<i>Ptarth</i>	II	2/0712, I 2/1502
NCC 2714	<i>Antares</i>	I	1/9402, Sc 2/0012	NCC 2764	<i>Alpha Colony</i>	II	2/0906, D 2/1408
NCC 2715	<i>Argus City</i>	I	1/9406, DK 1/9510	NCC 2765	<i>Altair VI</i>	II	2/1004, R4 2/1402
NCC 2716	<i>New York</i>	I	1/9409, DK 1/9510	NCC 2766	<i>Ariannus</i>	II	2/1212, R4 2/1502, R5 2/2001
NCC 2717	<i>Boridi</i>	I	1/9501, DK 1/9610	NCC 2767	<i>Cairo</i>	IV	2/1308, R5 2/1806
NCC 2718	<i>Moscow</i>	I	1/9504, R2 1/9803, R4 2/1312	NCC 2768	<i>Coridan</i>	IV	2/1308, R5 2/2006
NCC 2719	<i>Tokyo</i>	I	1/9508, D 1/9801	NCC 2769	<i>Cygni Minor</i>	IV	2/1312, R5 2/1901
NCC 2720	<i>Corinth IV</i>	I	1/9508, DK 1/9611	NCC 2770	<i>Drox</i>	IV	2/1402, R5 2/2101
NCC 2721	<i>Daran V</i>	I	1/9511, R2 1/9804, R4 2/1402	NCC 2771	<i>Toronto</i>	IV	2/1405, R5 2/2202
NCC 2722	<i>Paris</i>	I	1/9601, R2 2/0006, I 2/1011	NCC 2772	<i>Trifis</i>	IV	2/1407, R5 2/1805
NCC 2723	<i>Elas</i>	I	1/9603, DK 1/9701	NCC 2773	<i>Bondorant</i>	IV	2/1410
NCC 2724	<i>Troyius</i>	I	1/9606, R2 2/0001, I 2/1410	NCC 2774	<i>Garros</i>	IV	2/1410, R5 2/1712
NCC 2726	<i>Rome</i>	I	1/9609, R2 1/9804, R4 2/1501, D 2/1803	NCC 2775	<i>Janus Colony</i>	IV	2/1501, D 2/2201
NCC 2727	<i>Los Angeles</i>	I	1/9609, DK 1/9701	NCC 2776	<i>lotia</i>	IV	2/1412, R5 2/1910
NCC 2728	<i>Ekos</i>	I	1/9611, R2 1/9904, I 2/1410	NCC 2777	<i>Tryla</i>	IV	2/1502, R5 2/2007
NCC 2729	<i>Yonada</i>	I	1/9611, DK 1/9704	NCC 2778	<i>Vladivostok</i>	IV	2/1503, R5 2/1911
NCC 2730	<i>Makusia</i>	I	1/9611, DK 1/9709	NCC 2779	<i>Norma Ra Den</i>	IV	2/1503, L 2/1902
NCC 2731	<i>Berlin</i>	I	1/9701, R2 1/9806, D 2/1203	NCC 2780	<i>New Delphi</i>	IV	2/1502, R5 2/1808
NCC 2732	<i>Opkapi</i>	I	1/9702, R2 1/9802, I 2/1410	NCC 2781	<i>Salos</i>	IV	2/1508, R5 2/1910
NCC 2733	<i>Aurelia</i>	I	1/9705, DK 1/9712	NCC 2782	<i>Thuphylla</i>	IV	2/1511, R5 2/1902
NCC 2734	<i>Carinae II</i>	I	1/9705, DK 1/9801	NCC 2783	<i>Molens</i>	IV	2/1601, R5 2/2103
NCC 2735	<i>Antos IV</i>	I	1/9706, R2 2/0002	NCC 2784	<i>Mantilles</i>	IV	2/1606, R5 2/2202
NCC 2736	<i>Arcannis</i>	I	1/9706, DK 1/9711	NCC 2785	<i>Sogon</i>	IV	2/1610, R5 2/1710
NCC 2737	<i>Mordensia</i>	I	1/9706, R2 1/9901, I 2/1502	NCC 2786	<i>Phobos</i>	IV	2/1701, R5 2/2204
NCC 2738	<i>Chicago</i>	I	1/9708, R2 2/0008, I 2/1410	NCC 2787	<i>Luna</i>	IV	2/1709, R5 2/2006
NCC 2739	<i>Deneb Clar</i>	I	1/9709, DK 1/9801	NCC 2788	<i>Johannesburg</i>	IV	2/1709, R5 2/1812
NCC 2740	<i>Gaikos</i>	I	1/9710, L 1/9903	NCC 2789	<i>Stockholm</i>	IV	2/1803, R5 2/1909
NCC 2741	<i>Sydney</i>	I	1/9711, R2 1/9802, D 2/0505	NCC 2790	<i>Fall Den</i>	IV	2/1810
NCC 2742	<i>Halk</i>	I	1/9712, R2 1/9804, R4 2/1312, D 2/1803	NCC 2791	<i>Que Dane</i>	IV	2/1904, R5 2/2011
NCC 2743	<i>Ilyra</i>	I	1/9712, R2 1/9804, I 2/1410	NCC 2793	<i>Jezar</i>	V	2/1709
NCC 2744	<i>Miorn</i>	I	1/9801, R2 1/9804, R4 2/1406, R5 2/1803	NCC 2794	<i>Hobbiton</i>	V	2/1806
NCC 2745	<i>Alondra</i>	I	1/9801, DK 1/9805	NCC 2795	<i>Hong Kong</i>	V	2/1811
NCC 2746	<i>Carinae V</i>	I	1/9803, R2 1/9812, I 2/1502	NCC 2796	<i>Caitos Prea</i>	V	2/1903
NCC 2747	<i>Argelia</i>	I	1/9803, D 2/0004	NCC 2797	<i>Mulandra</i>	V	2/1905
NCC 2748	<i>Lactra</i>	II	1/9801, I 2/1502	NCC 2798	<i>Kism</i>	V	2/1910
NCC 2749	<i>London</i>	II	1/9801, R4 2/1312, R5 2/1810	NCC 2799	<i>Tog</i>	V	2/2004
NCC 2750	<i>Deneva Ra</i>	II	1/9801, R4 2/1412, R5 2/1901				

### Changes to FASA Mk I (Mk Ia):

- Superstructure increased due to component weights.
- Mass adjusted.
- D and WDF adjusted.

### Changes to FASA Mk II (Mk IIb):

- Ship class changed to IX as FWE-2 not available for class VIII vessels.
- Shield power adjusted due to class change.
- Superstructure increased due to component weights.
- Mass adjusted.
- D and WDF adjusted.

### Changes to FASA Mk IV:

- Ship class changed from IX to X due to component weights.
- FIC-2 replaced with FIC-3 as FIC-2 not available for class X vessels.
- Total Power Units available increased.
- Superstructure increased due to component weights.
- Mass adjusted.
- D and WDF adjusted.

### Changes to FASA Mk V:

- M-3 changed to M-4 due to WDF requirement.
- Superstructure increased due to component weights.
- Mass adjusted.
- D and WDF factor adjusted.

Updated and expanded from Federation Ship Recognition Manuals, 1<sup>st</sup> and 2<sup>nd</sup> editions with additional material from Ship Construction Manual, 2<sup>nd</sup> edition and The Four Years War, all by FASA. Graphics courtesy [www.shipschematics.net](http://www.shipschematics.net) and Steven Bacon ([steven.bacon@ntlworld.com](mailto:steven.bacon@ntlworld.com)). Marks Ib and IIa used with permission of Steven Bacon. Original text by Lee Wood ([FASAFan@hotmail.com](mailto:FASAFan@hotmail.com)). Edited by Richard Ayers ([podvdog@hotmail.com](mailto:podvdog@hotmail.com)), Steve Bacon, and Lee Wood. Version 3.1.