



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SAT-00115

Thursday August 1, 2002

POLICY BRANCH INFORMATION

Satellite Space Applications Accepted for Filing

The applications listed below have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined the application is not in conformance with the Commission's rules or its policies. Petitions, oppositions and other pleadings filed in response to this notice should conform to Section 25.154 of the Commission's rules, unless otherwise noted. 47 C.F.R. § 25.154.

SAT-MOD-20020620-00093 P S2355 KaStarCom World Satellite, LLC
Modification

KaStarCom World Satellite, LLC has filed an application for modification of its authorization to launch and operate a Ka-band satellite system. Specifically, KaStarCom seeks several changes to its construction commencement schedule as follows:

Satellite at 109.2° W.L. - Current date: November 2002; Requested date: August 2002
Satellite at 73° W.L. - Current date: November 2002; Requested date: August 2003
Satellite at 111° W.L. - Current date: August 2002; Requested date: August 2003

SAT-MOD-20020717-00116 P S2322 Globalstar, L.P.
Modification

Globalstar, L.P. has filed an application for an extension of implementation milestones for its 2 GHz MSS satellite system. Specifically, Globalstar is seeking an extension of the launch milestone for its first two non-geostationary satellites to be extended from January 17, 2005 to April 17, 2007 and an extension of its entire operational system from July 17, 2007 to January 17, 2009 for the geostationary segment and July 17, 2009 for the nongeostationary segment.

SAT-MOD-20020717-00117 P S2323 Globalstar, L.P.
Modification

Globalstar, L.P. has filed an application for an extension of implementation milestones for its 2 GHz MSS satellite system. Specifically, Globalstar is seeking an extension of the launch milestone for its first two non-geostationary satellites to be extended from January 17, 2005 to April 17, 2007 and an extension of its entire operational system from July 17, 2007 to January 17, 2009 for the geostationary segment and July 17, 2009 for the nongeostationary segment.

SAT-MOD-20020717-00118 P S2324 Globalstar, L.P.

Modification

Globalstar, L.P. has filed an application for an extension of implementation milestones for its 2 GHz MSS satellite system. Specifically, Globalstar is seeking an extension of the launch milestone for its first two non-geostationary satellites to be extended from January 17, 2005 to April 17, 2007 and an extension of its entire operational system from July 17, 2007 to January 17, 2009 for the geostationary segment and July 17, 2009 for the nongeostationary segment.

SAT-MOD-20020717-00119 P S2320 Globalstar, L.P.

Modification

Globalstar, L.P. has filed an application for an extension of implementation milestones for its 2 GHz MSS satellite system. Specifically, Globalstar is seeking an extension of the launch milestone for its first two non-geostationary satellites to be extended from January 17, 2005 to April 17, 2007 and an extension of its entire operational system from July 17, 2007 to January 17, 2009 for the geostationary segment and July 17, 2009 for the nongeostationary segment.

SAT-MOD-20020722-00107 E S2323 Globalstar, L.P.

Modification

Globalstar, L.P. has filed an application for modification of its authorization to launch and operate a 2 GHz mobile-satellite service satellite system consisting of a non-geostationary constellation and four geostationary satellites.

Globalstar proposes to modify the NGSO constellation from 64 satellites to 48 in-service satellites in eight orbital planes and eight in-orbit spares at a lower altitude parking orbit. All satellites will be at an inclination angle of 52 degrees; lower the orbital height for the NGSO constellation from 1420 to 1414 kilometers; reduce the number of antenna beams on the NGSO satellites from 96 to 16; specify the authorized NGSO feeder uplinks as 15.43-15.61 GHz; expand the authorization for NGSO feeder downlinks to 6700-6885 MHz; and modify the technical parameters of the NGSO satellites to correspond to the changes in orbital height, beam patterns and feeder links.

In its GSO segment, Globalstar proposes to modify the orbital locations of its GSO satellites - specifying 99° W.L. rather than 101° W.L. and selecting orbital locations for the other three satellites at 10° E.L., 100° E.L. and 170° W.L.; select feeder links for the 99° W.L. satellite at 13.795-13.995 GHz for uplink and 11.5-11.7 GHz for downlink; select feeder links for the remaining three satellites as 200 MHz in the band 12.75-13.25 GHz uplink and 200 MHz in the band 10.7-10.95 GHz or 11.2-11.45 GHz for downlinks; modify the antenna beam patterns on the GSO satellites from 64 to 263 beams; and modify the technical parameters of the satellite to reflect changes in the beam patterns and feeder link frequencies.

Further, Globalstar proposes to eliminate the use of Inter-Satellite Links.

SAT-MOD-20020722-00108 E S2322 Globalstar, L.P.

Modification

Globalstar, L.P. has filed an application for modification of its authorization to launch and operate a 2 GHz mobile-satellite service satellite system consisting of a non-geostationary constellation and four geostationary satellites.

Globalstar proposes to modify the NGSO constellation from 64 satellites to 48 in-service satellites in eight orbital planes and eight in-orbit spares at a lower altitude parking orbit. All satellites will be at an inclination angle of 52 degrees; lower the orbital height for the NGSO constellation from 1420 to 1414 kilometers; reduce the number of antenna beams on the NGSO satellites from 96 to 16; specify the authorized NGSO feeder uplinks as 15.43-15.61 GHz; expand the authorization for NGSO feeder downlinks to 6700-6885 MHz; and modify the technical parameters of the NGSO satellites to correspond to the changes in orbital height, beam patterns and feeder links.

In its GSO segment, Globalstar proposes to modify the orbital locations of its GSO satellites - specifying 99° W.L. rather than 101° W.L. and selecting orbital locations for the other three satellites at 10° E.L., 100° E.L. and 170° W.L.; select feeder links for the 99° W.L. satellite at 13.795-13.995 GHz for uplink and 11.5-11.7 GHz for downlink; select feeder links for the remaining three satellites as 200 MHz in the band 12.75-13.25 GHz uplink and 200 MHz in the band 10.7-10.95 GHz or 11.2-11.45 GHz for downlinks; modify the antenna beam patterns on the GSO satellites from 64 to 263 beams; and modify the technical parameters of the satellite to reflect changes in the beam patterns and feeder link frequencies.

Further, Globalstar proposes to eliminate the use of Inter-Satellite Links.

SAT-MOD-20020722-00109 E S2321 Globalstar, L.P.
Modification

Globalstar, L.P. has filed an application for modification of its authorization to launch and operate a 2 GHz mobile-satellite service satellite system consisting of a non-geostationary constellation and four geostationary satellites.

Globalstar proposes to modify the NGSO constellation from 64 satellites to 48 in-service satellites in eight orbital planes and eight in-orbit spares at a lower altitude parking orbit. All satellites will be at an inclination angle of 52 degrees; lower the orbital height for the NGSO constellation from 1420 to 1414 kilometers; reduce the number of antenna beams on the NGSO satellites from 96 to 16; specify the authorized NGSO feeder uplinks as 15.43-15.61 GHz; expand the authorization for NGSO feeder downlinks to 6700-6885 MHz; and modify the technical parameters of the NGSO satellites to correspond to the changes in orbital height, beam patterns and feeder links.

In its GSO segment, Globalstar proposes to modify the orbital locations of its GSO satellites - specifying 99° W.L. rather than 101° W.L. and selecting orbital locations for the other three satellites at 10° E.L., 100° E.L. and 170° W.L.; select feeder links for the 99° W.L. satellite at 13.795-13.995 GHz for uplink and 11.5-11.7 GHz for downlink; select feeder links for the remaining three satellites as 200 MHz in the band 12.75-13.25 GHz uplink and 200 MHz in the band 10.7-10.95 GHz or 11.2-11.45 GHz for downlinks; modify the antenna beam patterns on the GSO satellites from 64 to 263 beams; and modify the technical parameters of the satellite to reflect changes in the beam patterns and feeder link frequencies.

Further, Globalstar proposes to eliminate the use of Inter-Satellite Links.

SAT-MOD-20020722-00110 E S2320 Globalstar, L.P.
Modification

Globalstar, L.P. has filed an application for modification of its authorization to launch and operate a 2 GHz mobile-satellite service satellite system consisting of a non-geostationary constellation and four geostationary satellites.

Globalstar proposes to modify the NGSO constellation from 64 satellites to 48 in-service satellites in eight orbital planes and eight in-orbit spares at a lower altitude parking orbit. All satellites will be at an inclination angle of 52 degrees; lower the orbital height for the NGSO constellation from 1420 to 1414 kilometers; reduce the number of antenna beams on the NGSO satellites from 96 to 16; specify the authorized NGSO feeder uplinks as 15.43-15.61 GHz; expand the authorization for NGSO feeder downlinks to 6700-6885 MHz; and modify the technical parameters of the NGSO satellites to correspond to the changes in orbital height, beam patterns and feeder links.

In its GSO segment, Globalstar proposes to modify the orbital locations of its GSO satellites - specifying 99° W.L. rather than 101° W.L. and selecting orbital locations for the other three satellites at 10° E.L., 100° E.L. and 170° W.L.; select feeder links for the 99° W.L. satellite at 13.795-13.995 GHz for uplink and 11.5-11.7 GHz for downlink; select feeder links for the remaining three satellites as 200 MHz in the band 12.75-13.25 GHz uplink and 200 MHz in the band 10.7-10.95 GHz or 11.2-11.45 GHz for downlinks; modify the antenna beam patterns on the GSO satellites from 64 to 263 beams; and modify the technical parameters of the satellite to reflect changes in the beam patterns and feeder link frequencies.

Further, Globalstar proposes to eliminate the use of Inter-Satellite Links.

SAT-MOD-20020722-00112 E S2324 Globalstar, L.P.
Modification

Globalstar, L.P. has filed an application for modification of its authorization to launch and operate a 2 GHz mobile-satellite service satellite system consisting of a non-geostationary constellation and four geostationary satellites.

Globalstar proposes to modify the NGSO constellation from 64 satellites to 48 in-service satellites in eight orbital planes and eight in-orbit spares at a lower altitude parking orbit. All satellites will be at an inclination angle of 52 degrees; lower the orbital height for the NGSO constellation from 1420 to 1414 kilometers; reduce the number of antenna beams on the NGSO satellites from 96 to 16; specify the authorized NGSO feeder uplinks as 15.43-15.61 GHz; expand the authorization for NGSO feeder downlinks to 6700-6885 MHz; and modify the technical parameters of the NGSO satellites to correspond to the changes in orbital height, beam patterns and feeder links.

In its GSO segment, Globalstar proposes to modify the orbital locations of its GSO satellites - specifying 99° W.L. rather than 101° W.L. and selecting orbital locations for the other three satellites at 10° E.L., 100° E.L. and 170° W.L.; select feeder links for the 99° W.L. satellite at 13.795-13.995 GHz for uplink and 11.5-11.7 GHz for downlink; select feeder links for the remaining three satellites as 200 MHz in the band 12.75-13.25 GHz uplink and 200 MHz in the band 10.7-10.95 GHz or 11.2-11.45 GHz for downlinks; modify the antenna beam patterns on the GSO satellites from 64 to 263 beams; and modify the technical parameters of the satellite to reflect changes in the beam patterns and feeder link frequencies.

Further, Globalstar proposes to eliminate the use of Inter-Satellite Links.

SAT-MOD-20020726-00113 E S2317 The Boeing Company
Modification

The Boeing Company has filed an application for modification of its authorization to launch and operate a non-geostationary satellite system in the 2 GHz frequency band. Specifically, Boeing seeks authority to substitute a geostationary mobile-satellite service network for the non-geostationary medium earth orbit MSS constellation included in the authorization.

Boeing requests authority to position its GSO spacecraft at the nominal 121° W.L. orbital location, or at some other available location within the 117° to 122° W.L. GSO orbital arc. Boeing requests authority to operate feeder links and tracking, telemetry and command (TT&C) for its GSO network using 250 MHz of paired spectrum in the Planned Ku-band (10.7-10.95 GHz and 11.2-11.45 GHz for downlinks and 12.75-13.25 GHz for uplinks). In order to permit this operation, Boeing requests a waiver of Section 2.106, footnote NG104, of the Commission's rules, which limits the use of the 10.7-11.7 GHz and 12.75-13.25 GHz bands by fixed satellite service (FSS) networks to international systems. Finally, Boeing requests authority to make other modifications to its authorized system, as detailed in its application, such as a change in the waveform design of its 2 GHz MSS service links to a time-division multiple access (TDMA) scheme.

For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 202-418-2555.