



PUBLIC NOTICE

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Report No. SAT-00012

Tuesday March 16, 1999

SATELLITE POLICY BRANCH INFORMATION Ka-Band Satellite Applications Accepted For Filing

Fourteen entities have filed new, amended or modified applications and one Letter of Intent in response to Public Notices, Report Nos. SPB-105 (DA 97-2201) and SPB-106 (DA 97-2202) (released October 15, 1997), which established a cut-off date for the second round of Ka-Band (20/30 GHz) satellite systems. The cut-off date was established after Motorola Global Communications, Inc. submitted two applications for authority to construct, launch and operate Ka-band satellite systems (see File Nos. 94 through 98-SAT-P/LA-97 (Celestri GSO system) and 79-SAT-P/LA-97(63) (Celestri NGSO system)) and Globalstar, L.P. and Iridium LLC filed for Ka-band feeder links in conjunction with their 2 GHz band applications (see File Nos. 182 through 186-SAT-P/LA-97 and 187-SAT-P/LA-97, respectively).

Upon initial review, the Commission has found these applications acceptable for filing. The Commission reserves the right to return the applications, however, if it determines upon further review that they are defective or not in conformance with the Commission's rules, regulations or policies. The Commission emphasizes that initial acceptance of any of the following individual applications for filing should not be construed as evidence of any predisposition on the part of the Commission with respect to possible grant of any application. In addition, applicants should be aware that because of outstanding Commission proceedings, previous Commission decisions and Government use of certain frequency bands, not all bands or orbital locations proposed by the following applicants will necessarily be available for authorization or assignment. [See 28 GHz Report and Order, 12 FCC Rcd. 22310 (1997); 18 GHz Band Blanket Licensing Proceeding, Notice of Proposed Rulemaking, 13 FCC Rcd 19923 (1998); and Assignment of Orbital Locations to Space Stations in the Ka-Band, Order, 12 FCC Rcd 22004 (1997).] We further note that coordination with the National Telecommunications and Information Administration (NTIA), which has primary jurisdiction over U.S. Government use of spectrum, must occur with respect to the proposed bands shared between Government and non-Government uses, prior to any grant of these applications.

SAT-AMD-19971219-00199 S2246 CAI DATA SYSTEMS, INC.
Amendment
Original File No. 32-SAT-AMEND-98

For description of amendment see File No. SAT-LOA-19970702-00057 below.

SAT-AMD-19971222-00204 S2219 LORAL ORION ATLANTIC, L.P.
Amendment

Original File No. 37-SAT-AMEND-98.

For description of amendment, see File No. IBFS No. SAT-LOA-19951109-00186, below.

SAT-AMD-19971222-00216 S2218 LORAL ORION-ASIA PACIFIC, INC.

Amendment

Original File No. 36-SAT-AMEND-98

For description of amendment, see File No. SAT-LOA-19951109-00185, below.

SAT-AMD-19971222-00219 S2254 TRW INC.

Amendment

Original File No. 60-SAT-AMEND-98

TRW Inc. has filed an amendment to its pending application being considered in the 40 GHz processing round. (See File No. 112-SAT-P/LA-97; IBFS No. SAT-LOA-19970904-00080.) In this amendment, TRW proposes to add equipment to its pending 40 GHz NGSO satellites which would be used to provide FSS service in the 28.6-29.1 GHz and 29.5-30.0 GHz bands (uplink) and 17.7-20.2 GHz band (downlink).

TRW will withdraw this amendment nunc pro tunc should the Commission deny TRW's request for Waiver of Section 25.116(b) of the Commission' Rules (see File No. 62-SAT-WAIV-98; IBFS No. SAT-WAV-19971222-00220, below).

Associated File No. 61-SAT-AMEND-98(4); IBFS No. SAT-AMD-19971222-00229.

SAT-AMD-19971222-00229 S2255 TRW INC.

Amendment

Original File No. 61-SAT-AMEND-98(4).

TRW Inc. has filed an amendment to its pending applications being considered in the 40 GHz processing round. (See File Nos. 113 through 116-SAT-P/LA-97; IBFS Nos. SAT-LOA-19970904-00084, 81, 82, 83, respectively.) In this amendment, TRW proposes to add equipment to its four pending 40 GHz GSO satellites which would be used to provide FSS services in the 28.6-29.1 GHz, 29.25-29.5 GHz and 29.5-30.0 GHz bands (uplink) and 17.7-20.2 GHz band (downlink).

TRW will withdraw this amendment nunc pro tunc should the Commission deny TRW's request for Waiver of Section 25.116(b) of the Commission' Rules (see File No. 62-SAT-WAIV-98; IBFS No. SAT-WAV-19971222-00220, below).

Associated with File No. 60-SAT-AMEND-98; IBFS No. SAT-AMD-19971222-00219.

SAT-AMD-19980123-00009 S2139 CELSAT AMERICA, INC.

Amendment

Original File No. 88-SAT-AMEND-98.

Celsat America, Inc., has filed an amendment to its application for authority to implement a geostationary mobile-satellite service system in the 2 GHz band. [See File Nos. 26/27/28-DSS-P-94, et al., Public Notice, Report No. SPB-119 (rel. March 19, 1998).] Celsat amended its application to propose use of 850 MHz of bandwidth anywhere from 27.5-30.0 GHz and 850 MHz of bandwidth anywhere from 17.70-20.20 GHz for feeder link operations.

SAT-LOA-19951109-00185 S2218 LORAL ORION-ASIA PACIFIC, INC.

Launch and Operating Authority

Original File No. 23-SAT-P/LA-96

Includes Amendment File No. 36-SAT-AMEND-98; IBFS No. SAT-AMD-19971222-00216 (listed above).

Loral Orion - Asia Pacific, Inc. has filed an application and amendment for authority to construct, launch and operate a Ka-band satellite space station. Loral Orion - Asia Pacific proposes to operate the Orion-F5 satellite at 139 degrees E.L. using 28.35-28.6 GHz, 29.25-29.5 GHz and 29.5-30.0 GHz bands for uplink and 18.3-18.55 GHz, 18.55-18.80 GHz and 19.7-20.20 GHz bands for downlink. Proposed services are non-common carrier and include Internet, voice, data and video transmission directly to domestic and international business enterprises.

If necessary, Loral Orion -- Asia Pacific seeks a waiver of Section 25.114(c)(13) pursuant to Section 1.3 of the Commission's rules, 47 C.F.R. § 1.3, to permit Loral Orion -- Asia Pacific to make its financial showing in accordance with the two-step financial qualification rules it argues were in effect as of the date its application was filed, or in the alternative, a deferral of the financial showing.

SAT-LOA-19951109-00186 S2219 LORAL ORION ATLANTIC, L.P.

Launch and Operating Authority

Original File No. 24-SAT-P/LA-96.

Includes amendment File No. 37-SAT-AMEND-98; IBFS No. SAT-AMD-19971222-00204 (listed above).

Loral Orion Atlantic, L.P. has filed an application and an amendment for authority to construct, launch and operate a Ka-band satellite. Loral Orion Atlantic proposes to operate the Orion-F10 satellite at 15 degrees W.L. using 28.35-28.6 GHz, 29.25-30.0 GHz bands for uplink and 18.3-18.80 GHz and 19.7-20.20 GHz bands for downlink. Proposed services are non-common carrier and include Internet, voice, data and video transmission directly to domestic and international business enterprises.

If necessary, Loral Orion Atlantic seeks a waiver of Section 25.114(c)(13) pursuant to Section 1.3 of the Commission's rules, 47 C.F.R. § 1.3, to permit Loral Orion Atlantic to make its financial showing in accordance with the two-step financial qualification rules it argues were in effect as of the date its application was filed, or in the alternative, a deferral of the financial showing.

SAT-LOA-19970702-00057 S2246 CAI DATA SYSTEMS, INC.

Launch and Operating Authority

Original File No. 88-SAT-P/LA-97

Includes Amendment File No. 32-SAT-AMEND-98; IBFS No. SAT-AMD-19971219-00199 (listed above)

CAI Data Systems, Inc. has filed an application and an amendment for authority to construct, launch and operate one Ka-band satellite at either 93 degrees W.L. or 103 degrees W.L. CAI Data proposes a satellite with thirty-six 40 MHz transponders using 1500 MHz of existing Ka-Band frequencies. CAI Data proposes to use the 29.50-30.0 GHz and 28.35-28.6 GHz bands (uplink) and the 19.7-20.2 and 18.55-18.8 GHz bands (downlink). Proposed services are non-common carrier and include high speed data transfers, distance learning, high-speed Internet services, interactive data, e-mail, and video conferencing.

SAT-LOA-19971222-00201 S2338 HUGHES COMMUNICATIONS, INC.

Launch and Operating Authority

Original File No. 45-SAT-P/LA-98.

Complete system description for all four Spaceway EXP orbital locations -- File Nos. 45/46/47/48-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00201, 205, 209, 207, respectively.

Hughes Communications, Inc. has filed an application for a GSO expansion of its Spaceway Global Broadband Satellite system, Spaceway EXP. The proposed Spaceway EXP system consists of eight technically identical satellites to be operated at four orbital positions interlinked via optical communications to provide a wide range of very high data rate circuit-switched services on a non-common carrier basis. Hughes proposes to operate these satellites at 26.2 degrees W.L., 69 degrees W.L., 117 degrees W.L. and 99 degrees E.L. Domestic U.S. Ka-band communications are proposed using 28.35-28.6 GHz and 29.25-30.0 GHz bands (uplink) and 17.8-18.8 GHz and 19.7-20.2 GHz bands (downlink). International Ka-band communications outside the U.S. are proposed using 27.5-28.6 GHz and 29.25-30.0 GHz bands (uplink) and 17.8-18.8 GHz and 19.7-20.2 GHz bands (downlink). Optical inter-satellite links will operate in the 1.5 micron wavelength region. Telemetry, tracking and control are proposed in the C-band -- 1.5 MHz in the 6.425-6.525 GHz band for command and 1.5 MHz in the 3.65-3.7 GHz for telemetry.

SAT-LOA-19971222-00203 S2344 LOCKHEED MARTIN CORPORATION

Launch and Operating Authority

Original File No. 51-SAT-P/LA-98(32)

Lockheed Martin Corporation has filed an application to launch and operate a non-geostationary satellite system operating in the Ka-band and V-band frequencies. Lockheed Martin proposes to launch a constellation of 32 satellites into a medium earth orbit. The satellites will be operated in a circular orbit of 4 planes at an altitude of 10,352 km. Lockheed Martin proposes to serve the broadband switched and ultra-broadband trunked markets on a non-common carrier basis. The broadband switched component will operate using 1.25 GHz of uplink spectrum at 28.35-29.1 GHz and 29.5-30.0 GHz bands and 1.25 GHz of downlink spectrum at 18.05-18.3 GHz, 18.8-19.3 GHz and 19.7-20.2 GHz bands. The system's trunked V-band component will operate using 3 GHz of uplink spectrum in the 47.2-50.2 GHz band and 3 GHz of downlink within the 37.5-42.5 GHz band. The satellites will be interconnected by optical intersatellite links operating in the 1.55 micron range. A single Ka-band service channel is proposed for TT&C functions.

SAT-LOA-19971222-00205 S2339 HUGHES COMMUNICATIONS, INC.

Launch and Operating Authority

Original File No. 46-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00201, above, for a complete system description for all four Spaceway EXP orbital locations -- File Nos. 45/46/47/48-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00201, 205, 209, 207, respectively,

SAT-LOA-19971222-00206 S2333 LOCKHEED MARTIN CORPORATION

Launch and Operating Authority

Original File No. 40-SAT-P/LA-98.

Complete system description for the five geostationary satellite of Astrolink Phase II -- File Nos. 39/40/41/42/43/44-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00208, 206, 212, 211, 213, respectively.

Lockheed Martin Corporation has filed an application to launch and operate five geostationary satellites -- Astrolink Phase II -- to provide fixed-satellite service using the 17.8-19.3 GHz and 19.7-20.2 GHz bands for downlink communications and 27.85-29.1 GHz and 29.25 - 30.0 GHz bands for uplink communications. Lockheed Martin proposes to operate these satellites at 79 degrees W.L., 127 degrees W.L., 151.5 degrees E.L., 99 degrees E.L., and 52 degrees E.L. Lockheed Martin proposes to offer on-demand, two-way broadband communications on a non-common carrier basis. Lockheed Martin proposes long-range intersatellite links at either 54.25-58.2 GHz or 59-64 GHz bands, or a less preferred alternative of 65-71 GHz band. Lockheed Martin proposes one 600 MHz channel in the 22.55-23.55 GHz bands and one 600 MHz channel in the 32.0-33.0 GHz band for local inter-satellite links. Telemetry, tracking and control are proposed in the extended C-band (within 3650-3700 MHz for telemetry and within 6425-6525 MHz for command functions).

SAT-LOA-19971222-00207 S2341 HUGHES COMMUNICATIONS, INC.

Launch and Operating Authority

Original File No. 48-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00201, above, for a complete system description for all four Spaceway EXP orbital locations -- File Nos. 45/46/47/48-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00201, 205, 209, 207, respectively.

SAT-LOA-19971222-00208 S2332 LOCKHEED MARTIN CORPORATION

Launch and Operating Authority

Original File No. 39-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00206, above, for the complete system description for the five geostationary satellite of Astrolink Phase II -- File Nos. 39/40/41/42/43/44-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00208, 206, 212, 211, 213, respectively.

SAT-LOA-19971222-00209 S2340 HUGHES COMMUNICATIONS, INC.

Launch and Operating Authority

Original File No. 47-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00201, above, for a complete system description for all four Spaceway EXP orbital locations -- File Nos. 45/46/47/48-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00201, 205, 209, 207, respectively.

SAT-LOA-19971222-00210 S2337 HUGHES COMMUNICATIONS, INC.

Launch and Operating Authority

Original File No. 44-SAT-P/LA-98(20)

Hughes Communications, Inc. has filed an application to launch and operate a non-geostationary Ka-band satellite system, SPACEWAY NGSO. Hughes proposes to launch a constellation of 20 satellites, 4 planes of 5 satellites, in a medium earth orbit. The satellites will be operated in a circular orbit at an equatorial altitude of 10,352 km. Proposed services include high data rate broadband interactive communications. The proposed frequency bands are 18.8-19.3 GHz bands (downlink) and 28.6-29.1 GHz bands (uplink). Optical (laser) intersatellite links operating in the 1.55 micron range will interconnect satellites for global service. Both the C-band and Ka-band frequencies are proposed for TT&C functions.

SAT-LOA-19971222-00211 S2335 LOCKHEED MARTIN CORPORATION

Launch and Operating Authority

Original File No. 42-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00206, above, for the complete system description for the five geostationary satellite of Astrolink Phase II -- File Nos. 39/40/41/42/43/44-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00208, 206, 212, 211, 213, respectively.

SAT-LOA-19971222-00212 S2334 LOCKHEED MARTIN CORPORATION

Launch and Operating Authority

Original File No. 41-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00206, above, for the complete system description for the five geostationary satellite of Astrolink Phase II -- File Nos. 39/40/41/42/43/44-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00208, 206, 212, 211, 213, respectively.

SAT-LOA-19971222-00213 S2336 LOCKHEED MARTIN CORPORATION

Launch and Operating Authority

Original File No. 43-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00206, above, for the complete system description for the five geostationary satellite of Astrolink Phase II -- File Nos. 39/40/41/42/43/44-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00208, 206, 212, 211, 213, respectively.

SAT-LOA-19971222-00214 S2343 DIRECTCOM NETWORKS, INC.

Launch and Operating Authority

Original File No. 50-SAT-P/LA-98.

Complete system description for File Nos. 49/50-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00215 and 00214, respectively.

DirectCom Networks, Inc. has filed an application to construct, launch and operate two Ka-band fixed-satellite service satellites to offer high speed, switched data, video and video telephone satellite communication services. Operations are proposed in the 18.3-18.8 GHz and 19.7-20.2 GHz frequency bands (downlink) and 28.35-28.6 GHz and 29.25-30.0 GHz frequency bands (uplink) at the preferred orbital locations of 93 degrees W.L. and 103 degrees W.L. DirectCom also proposes intersatellite link operations in the 54.25-58.2 GHz or 65-71 GHz frequency ranges. TT&C for launch and early operations are planned in the C-band and will operate in the Ka-band when satellite is on-station.

SAT-LOA-19971222-00215 S2342 DIRECTCOM NETWORKS, INC.

Launch and Operating Authority

Original File No. 49-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00214, above, for a complete system description for File Nos. 49/50-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00215 and 00214, respectively.

SAT-LOA-19971222-00221 S2345 SKYBRIDGE II, L.L.C.

Launch and Operating Authority

Original File No. 58-SAT-P/LA-98(96).

SkyBridge II, LLC has filed an application to launch and operate a non-geostationary satellite system as the second stage of an integrated SkyBridge system. The SkyBridge II system proposes operation of 96 NGSO satellites, each in a circular orbit at an altitude of 1468 km. The 96 satellites will be distributed in two identical sub-constellations of 48 satellites each. Each subconstellation will consist of 8 planes of 6 satellites per plane. SkyBridge II requests authorization to operate its Transit Links in 500 MHz of uplink spectrum in the 28.6-29.1 GHz band and 500 MHz of downlink spectrum in the 18.8-19.3 GHz band. SkyBridge II also requests authorization to operate its Service Links using a minimum of 750 MHz of spectrum in the 28.35-28.6 GHz and 29.5-30.0 GHz bands and 750 MHz of spectrum for the downlink in the 17.8-18.6 GHz and 19.7-20.2 GHz bands. TT&C Links are proposed in the Ku-band, specifically the 10.99-11.02 GHz and 12.85-12.9 GHz bands. SkyBridge II proposes to offer broadband services, such as, high-speed Internet and on-line access services, video conferencing and telephony, entertainment services and a variety of substitutes for terrestrial infrastructure links, on a non-common carrier basis.

SAT-LOA-19971222-00222 S2346 @CONTACT, LLC

Launch and Operating Authority

Original File No. 59-SAT-P/LA-98(20).

@Contact, LLC has filed an application to construct, launch and operate a non-geostationary satellite system in the Ka-band. @Contact proposes to launch a system of 16 operational satellites and 4 orbiting spares in a 10,400 km circular orbit inclined at 45 degrees. Four service bands are proposed: 28.6-29.1/18.8-19.3 GHz on a primary basis; 29.5-30.0/19.7-20.2 GHz on a non-interference basis; and intersatellite links in the 59-64 GHz band or, alternatively, the 54.25-58.2 GHz band. Operational TT&C is proposed in the NGSO Ka-band. Proposed services are non-common carrier and include voice, video and audio teleconferencing, high speed data interaction, general multimedia services and mobile (telecommuting) services.

In addition, pursuant to Section 1.3 of the Commission's rules, 47 C.F.R. § 1.3, @Contact has requested a waiver of the financial requirements showing of Section 25.140(b)-(e).

SAT-LOA-19971222-00223 S2221 PANAMSAT CORPORATION

Launch and Operating Authority

Original File No. 53-SAT-P/LA-98.

Complete system description for six satellites proposed in File Nos. 52/53/54/55/56/57-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00228, 223, 224, 226, 227, 225, respectively.

PanAmSat Corporation has filed an application to launch and operate six Ka-band satellites to operate with PanAmSat's other Ka-band satellites in a global Ka-band satellite system. PanAmSat proposes to co-locate these satellites with its C-band/Ku-band satellites as follows: PAS-14 at 43 degrees W.L. (with PAS-2); PAS-15 at 45 degrees W.L. (with PAS-1); PAS-17 at 169 degrees E.L. (with PAS-4); PAS-18 at 166 degrees E.L. (with PAS-5); PAS-19 at 68.5 degrees E.L. (with PAS-6); and PAS-20 at 72 degrees E.L. (with PAS-7). Proposed services are non-common carrier and include video interconnection and distribution, data services, and voice services. Proposed uplink frequencies are in the 28.35-28.60 GHz and 29.5-30.0 GHz bands and downlink frequencies are in the 18.55-18.80 GHz and 19.7-20.2 GHz bands. TT&C functions are currently planned for the C-band. Intersatellite links are proposed in one or more the bands allocated for ISL operations including 22.55-23.55 GHz, 32.0-33.0 GHz, 54.25-58.20 GHz, 59.00-64.00 GHz and 65.0-71.0 GHz bands.

SAT-LOA-19971222-00224 S2223 PANAMSAT CORPORATION

Launch and Operating Authority

Original File No. 54-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00223, above, for a complete system description of the six satellites proposed in File Nos. 52/53/54/55/56/57-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00228, 223, 224, 226, 227, 225, respectively.

SAT-LOA-19971222-00225 S2226 PANAMSAT CORPORATION

Launch and Operating Authority

Original File No. 57-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00223, above, for a complete system description of the six satellites proposed in File Nos. 52/53/54/55/56/57-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00228, 223, 224, 226, 227, 225, respectively.

SAT-LOA-19971222-00226 S2224 PANAMSAT CORPORATION

Launch and Operating Authority

Original File No. 55-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00223, above, for a complete system description of the six satellites proposed in File Nos. 52/53/54/55/56/57-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00228, 223, 224, 226, 227, 225, respectively.

SAT-LOA-19971222-00227 S2225 PANAMSAT CORPORATION
Launch and Operating Authority

Original File No. 56-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00223, above, for a complete system description of the six satellites proposed in File Nos. 52/53/54/55/56/57-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00228, 223, 224, 226, 227, 225, respectively.

SAT-LOA-19971222-00228 S2220 PANAMSAT CORPORATION
Launch and Operating Authority

Original File No. 52-SAT-P/LA-98.

See File No. SAT-LOA-19971222-00223, above, for a complete system description of the six satellites proposed in File Nos. 52/53/54/55/56/57-SAT-P/LA-98; IBFS Nos. SAT-LOA-19971222-00228, 223, 224, 226, 227, 225, respectively.

SAT-LOA-19980312-00018 S2356 KASTARCOM. WORLD SATELLITE, LLC
Launch and Operating Authority

Original File No. 102-SAT-P/LA-98

Complete system description of two proposed satellites, File No. 101/102-SAT-P/LA-98; IBFS No. SAT-LOA-19980312-00019 and SAT-LOA-19980312-00018, respectively.

KaStarcom. World Satellite, Inc. has filed an application to construct, launch and operate a geostationary fixed-satellite service system in the Ka-band. Kastarcom. proposes to operate its system on the 18.3-18.8 GHz and 19.7-20.2 GHz frequency bands (downlink) and 28.35-28.6 GHz and 29.25-30.0 GHz frequency bands (uplink) at the preferred orbital locations of 175 degrees W.L. and 52 degrees E.L. The satellites are proposed to be interlinked via microwave intersatellite links. Proposed services are non-common carrier and include high speed, switch data, video and video telephone satellite services.

SAT-LOA-19980312-00019 S2355 KASTARCOM. WORLD SATELLITE, LLC
Launch and Operating Authority

Original File No. 101-SAT-P/LA-98

See File No. SAT-LOA-19980312-00018, above, for a complete system description of two proposed satellites, File No. 101/102-SAT-P/LA-98; IBFS No. SAT-LOA-19980312-00019 and SAT-LOA-19980312-00018, respectively.

SAT-LOA-19980403-00025 S2350 PEGASUS DEVELOPMENT CORPORATION
Launch and Operating Authority

Original File No. 95-SAT-P/LA-98.

Complete system description for the five orbital locations proposed in File Nos. 95/96/97/98/99-SAT-P/LA-98; IBFS Nos. SAT-LOA-19980403-00025, 26, 27, 28, 29, respectively.

Pegasus Development Corporation has filed an application to launch and operate a communications satellite system in the Ka-band. Pegasus proposes to launch and operate ten geostationary satellites at five orbital locations. The preferred orbital locations are 93 degrees W.L., 103 degrees W.L., 69 degrees W.L., 26.2 degrees E.L. and 99 degrees E.L. Pegasus proposes to operate in the 28.35-28.6 GHz and 29.5-30.0 GHz frequency bands for uplink and 18.35-18.6 GHz and 19.7-20.2 GHz frequency bands for downlink, with intersatellite links in the 50 to 70 GHz millimeter wave band. TT&C during launch and pre-operation is proposed in the Ku-band and on-station, operational TT&C will be in the Ka-band. Proposed services are non-common carrier and consist primarily of wide-band, high-speed data transmissions.

SAT-LOA-19980403-00026 S2351 PEGASUS DEVELOPMENT CORPORATION

Launch and Operating Authority

Original File No. 96-SAT-P/LA-98.

See File No. SAT-LOA-19980403-00025, above, for a complete system description for the five orbital locations proposed in File Nos. 95/96/97/98/99-SAT-P/LA-98; IBFS Nos. SAT-LOA-19980403-00025, 26, 27, 28, 29, respectively.

SAT-LOA-19980403-00027 S2352 PEGASUS DEVELOPMENT CORPORATION

Launch and Operating Authority

Original File No. 97-SAT-P/LA-98.

See File No. SAT-LOA-19980403-00025, above, for a complete system description for the five orbital locations proposed in File Nos. 95/96/97/98/99-SAT-P/LA-98; IBFS Nos. SAT-LOA-19980403-00025, 26, 27, 28, 29, respectively.

SAT-LOA-19980403-00028 S2353 PEGASUS DEVELOPMENT CORPORATION

Launch and Operating Authority

Original File No. 98-SAT-P/LA-98.

See File No. SAT-LOA-19980403-00025, above, for a complete system description for the five orbital locations proposed in File Nos. 95/96/97/98/99-SAT-P/LA-98; IBFS Nos. SAT-LOA-19980403-00025, 26, 27, 28, 29, respectively.

SAT-LOA-19980403-00029 S2354 PEGASUS DEVELOPMENT CORPORATION

Launch and Operating Authority

Original File No. 99-SAT-P/LA-98.

See File No. SAT-LOA-19980403-00025, above, for a complete system description for the five orbital locations proposed in File Nos. 95/96/97/98/99-SAT-P/LA-98; IBFS Nos. SAT-LOA-19980403-00025, 26, 27, 28, 29, respectively.

SAT-LOI-19971222-00217 S2330 PACIFIC CENTURY GROUP, INC.

Letter of Intent

Original File No. 33-SAT-LOI-98

Complete system description of four satellites at two locations, File Nos. 33/34-SAT-LOI-98; IBFS No. SAT-LOI-19971222-00217/218, respectively.

Pacific Century Group, Inc. has filed a Letter of Intent proposing to provide fixed-satellite service to, from, and within the United States. Pacific Century proposes a network of four satellites to be located in pairs at 89 degrees W.L. and 82 degrees W.L. The proposed uplink frequencies are 28.35 - 28.6 GHz and 29.25 - 30.0 GHz; proposed downlink frequencies are 17.7 - 18.8 GHz and 19.7 - 20.2 GHz. Digital services, such as, internet, training videos and home shopping, are proposed on noncommon carrier basis.

SAT-LOI-19971222-00218 S2331 PACIFIC CENTURY GROUP, INC.

Letter of Intent

Original File No. 34-SAT-LOI-98

See File No. SAT-LOI-19971222-00217, above, for a complete system description of four satellites at two locations, File Nos. 33/34-SAT-LOI-98; IBFS No. SAT-LOI-19971222-00217/218, respectively.

SAT-MOD-19971222-00200 S2193 LOCKHEED MARTIN CORPORATION

Modification

Original File No. 35-SAT-MP/ML-98

Lockheed Martin Corporation has filed an application for modification of its previously authorized Astrolink System. [See Lockheed Martin Corporation, DA 97-973 (released May 9, 1997), Application File Nos. 182 through 186-SAT-P/LA-95.] Lockheed Martin requests authority to operate an additional 1 GHz of Ka-band uplink and downlink spectrum designated by the Commission for geostationary orbit fixed-satellite service, specifically, 17.8-18.3 GHz and 18.8-19.3 GHz for downlink and 27.85-28.35 GHz and 28.6-29.1 GHz for uplink. Lockheed Martin requests authority to use 1.2 GHz of spectrum, specifically the 22.55-23.35 GHz and 32.0-33.0 GHz bands, for local inter-satellite links for short-range communications between co-located Astrolink satellites or between Astrolink satellites and near-coloated satellite of other compatible networks. Also, Lockheed Martin seeks authority to perform telemetry, tracking and control functions in extended C-band frequencies. The Commission deferred assigning downlink spectrum in the 17.7-18.8 GHz frequency band in the initial Astrolink authorization until Lockheed Martin determined the exact 500 MHz of spectrum it wished to use. Lockheed Martin has determined and is now requesting authority to perform Astrolink downlink operations in the 18.3-18.8 GHz band.

SAT-MOD-19971222-00202 S2180 GE AMERICAN COMMUNICATIONS, INC.

Modification

Original File No. 38-SAT-MP/ML-98

GE American Communications, Inc. has filed an application for modification of its GE*Star geostationary Ka-band satellite system. (See GE American Communications, Inc., DA 97-970 (released May 9, 1997).) GE Americom requests authority to operate in the 18.8-19.3 GHz and 28.6-29.1 GHz frequency bands, in addition to those bands currently authorized for use by the GE*Star system.

SAT-WAV-19971222-00220 TRW INC.

Waiver

Original File No. 62-SAT-WAIV-98.

TRW Inc. has filed a Petition for Waiver of Section 25.116(b) of the Commission's rules and regulations in connection with TRW's amendment filed on December 22, 1997 (File Nos. 60-SAT-AMEND-98 and 61-SAT-AMEND-98(4); IBFS Nos. SAT-AMD-19971222-00219 and SAT-AMD-19971222-00229, respectively), to allow TRW to add a Ka-band package to TRW's proposed satellite systems in its pending EHF applications (File Nos. 113/114/115/116-SAT-P/LA-97; IBFS Nos. SAT-LOA-19970928-00084, 81, 82, 83, respectively (GSO EHF satellite system) and File No. 112-SAT-P/LA-97; IBFS No. SAT-LOA-19970928-00080 (NGSO EHF satellite system)).

Comments or petitions regarding these applications may be filed on or before APRIL 30, 1999. Replies and oppositions may be filed on or before MAY 17, 1999. Responses may be filed on or before MAY 27, 1999.

Ex Parte Status of this Proceeding. The applications listed above are restricted under the Commission's ex parte rules. See §§ 1.1200(d) and 1.1208. In order to assist the Commission in developing a complete record on which a well-reasoned decision can be made, we hereby redesignate the application proceeding as "permit but disclose." We conclude that such treatment would best serve the public interest, in light of the intricate legal and technical issues raised by the Applications and the interrelated technical sharing issues the International Telecommunication Union Radiocommunication Sector's Joint Task Group 4-9-11 is currently studying. Accordingly, effective today, ex parte presentations in this proceeding are subject to the disclosure requirements set forth in Section 1.1206 of the Commission's rules. 47 C.F.R. § 1.1206.

This action is taken pursuant to authority found in Sections 4(i) and 303 of the Communications Act of 1934, as amended, 47 U.S.C. §§ 154 (i) and 303; and pursuant to Sections 0.51, 0.241, 0.261 and 1.1200(a) of the Commission's Rules. See 47 C.F.R. §§ 0.51, 0.241, 0.261 and 1.1200(a).

Copies of the referenced applications and subsequent filings will be available for public inspection in the International Reference Center, Room 102, 2000 M St. N.W., Washington, D.C. and from ITS Duplicating Services at 202-857-3800. For further information, contact Kathleen Campbell at 202-418-0753 or Jennifer Gilson at 202-418-0757.