



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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DA No. 23-935

Friday October 6, 2023

Report No. SAT-01764

Satellite Licensing Division and Satellite Programs and Policy Division Information

Actions Taken

The Commission, by its Space Bureau, took the following actions pursuant to delegated authority. The effective date of these actions is the release date of this Notice, except where an effective date is specified.

SAT-AMD-20220510-00049	E S3084	Intuitive Machines	
Amendment			
Grant of Authority			Effective Date: 10/05/2023

Nature of Service: Other

See ICFS File No. SAT-LOA-20210423-00055 for a description of the action taken

SAT-LOA-20210423-00055	E S3084	Intuitive Machines	
Launch and Operating Authority			
Grant of Authority			Effective Date: 10/05/2023

Nature of Service: Other

On October 5, 2023, the Satellite Programs and Policy Division granted, with conditions, authority to Intuitive Machines to construct, deploy, and operate a lunar lander, Nova-C/IM-1 for a period of up to 60 days. Intuitive Machines is authorized to operate telemetry, tracking, and command (TT&C) for the spacecraft during its transit to the moon and on the lunar surface using the 2035.4691-2035.7191 MHz (Earth-to-space) and 2210.405-2210.795 MHz (space-to-Earth) frequency bands. Once the Nova-C/IM-1 has landed on the lunar surface, Intuitive Machines is authorized to downlink data using the 2210.405-2210.795 MHz and 2246-2254 MHz (space-to-Earth) frequency bands. This application is granted pursuant to the small spacecraft licensing process, 47 CFR § 25.123.

SAT-LOA-20230411-00079	E S3168	Umbra Lab Inc	
Launch and Operating Authority			
Grant of Authority			Effective Date: 10/05/2023

Nature of Service: Earth Exploration Satellite Service

On October 5, 2023, the Satellite Programs and Policy Division granted, with conditions, authority to Umbra Labs, Inc. to construct, deploy, and operate six low-Earth orbit, non-geostationary satellites for operations in the earth-exploration satellite service (EESS), conducting synthetic aperture radar (SAR) imaging. Umbra is authorized to operate in the following frequency bands: 9200-10400 MHz and 9300-9900 MHz for SAR imaging; 8025-8400 MHz (space-to-Earth) for the EESS downlink; 2025-2110 MHz (Earth-to-space) and 2200-2290 MHz (space-to-Earth) for space operations (tracking, telemetry, and command). Specifically, Umbra is authorized to operate two center frequencies for SAR imaging: 9800 MHz with a bandwidth of 1200 MHz and 9600 MHz with a bandwidth of 600 MHz; a center frequency of 8150 MHz and bandwidth of 250 MHz for its EESS downlink, a center frequency of 2080 MHz and bandwidth of 0.1 MHz for its space operations uplink, and a center frequency of 2254 MHz and bandwidth of 0.1 MHz for its space operations downlink. This application is granted pursuant to the small satellite licensing process, 47 CFR § 25.122.

SAT-MOD-20221020-00148 E S2380 Intelsat License LLC
Modification
Grant of Authority Effective Date: 10/04/2023

Nature of Service: Fixed Satellite Service

On October 4, 2023, the Satellite Programs and Policy Division granted, with conditions, the request of Intelsat License LLC for modification of the authorization for its Intelsat 9 space station by extending its license term through September 30, 2024. Intelsat 9 provides fixed-satellite service at the 50.0° W.L. orbital location in the 3700-4200 MHz (space-to-Earth), 5925-6425 MHz (Earth-to-space), 11.45-11.7 GHz (space-to-Earth), 11.7-12.2 GHz (space-to-Earth), and 14.0-14.5 GHz (Earth-to-space) frequency bands. Intelsat 9 conducts telemetry, tracking, and command operations using the following center frequencies: 11.7005 GHz and 11.7020 GHz (space-to-Earth); and 14.0005 GHz and 14.4945 GHz (Earth-to-space).

SAT-MOD-20230412-00081 E S3092 Astranis Projects USA LLC
Modification
Grant of Authority Effective Date: 10/03/2023

Nature of Service: Fixed Satellite Service

On October 3, 2023, the Satellite Programs and Policy Division granted, with conditions, the request of Astranis Projects USA LLC for modification of the authorization for the Arcturus space station, operating at the 163.0° W.L. orbital location. Specifically, the license for the Arcturus space station is modified to replace the 19.706 GHz (space-to-Earth) and 28.356 GHz (Earth-to-space) telemetry, tracking, and command (TT&C) frequencies with the 19.702 GHz and 19.705 GHz (space-to-Earth), and 28.352 GHz and 28.355 GHz (Earth-to-space) TT&C frequencies.

SAT-MOD-20230516-00111 E S3147 Loft Orbital Solutions Inc.
Modification
Grant of Authority Effective Date: 09/29/2023

Nature of Service: Earth Exploration Satellite Service, Other

On September 29, 2023, the Satellite Programs and Policy Division granted, with conditions, modification of the license of Loft Orbital Solutions, Inc. for its YAM-5 non-geostationary satellite orbit space station to reflect that the space station meets the criteria for streamlined small satellite licensing in section 25.122 of the Commission's rules, 47 CFR § 25.122.

SAT-STA-20230614-00142 E Astranis Projects USA LLC
Special Temporary Authority
Grant of Authority Effective Date: 10/03/2023

Application listed as granted in ICFS to reflect continuing operations pursuant to section 1.62 of the Commission's rules. 47 CFR § 1.62 (see SAT-MOD-20230412-00081).

SAT-STA-20230811-00201 E Astranis Projects USA LLC
Special Temporary Authority
Grant of Authority Effective Date: 10/03/2023

Application listed as granted in ICFS to reflect continuing operations pursuant to section 1.62 of the Commission's rules. 47 CFR § 1.62 (see SAT-MOD-20230412-00081).

SAT-STA-20230830-00214 E S2423 Intelsat License LLC
Special Temporary Authority
Grant of Authority Effective Date: 10/05/2023

Application listed as granted in ICFS to reflect continuing operations pursuant to section 1.62 of the Commission's rules. 47 CFR § 1.62.

SAT-STA-20230919-00229 E S3083 Intelsat License LLC
Special Temporary Authority
Grant of Authority Effective Date: 10/03/2023

On October 3, 2023, the Satellite Programs and Policy Division granted, with conditions, the request of Intelsat License LLC to operate the Galaxy 34 satellite at 129.0° W.L. with new seasonal coverage in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) bands.

SAT-STA-20230929-00238 E S2423 Intelsat License LLC
Special Temporary Authority
Grant of Authority Effective Date: 10/05/2023

On October 5, 2023, the Satellite Programs and Policy Division granted, with conditions, the request of Intelsat License LLC, for special temporary authority for an additional period of up to 30 days to operate Horizons 2 with a new bias of 1.0° E, 0.0° N and operate two of its beams with revised coverage areas.

SAT-STA-20230929-00239 E Space Exploration Holdings, LLC
Special Temporary Authority
Withdrawn Effective Date: 10/02/2023

For more information concerning this Notice, contact the Satellite Licensing Division and Satellite Programs and Policy Division at (202) 418-0719.