



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
45 L STREET NE  
WASHINGTON D.C. 20554

News media information 202-418-0500  
Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)  
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Report No. SES-02458

Wednesday April 20, 2022

## Satellite Communications Services re: Satellite Radio Applications Accepted For Filing

The applications listed herein 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 they are defective and not in conformance with the Commission's Rules and Regulations and its Policies. Final action will not be taken on any of these applications earlier than 30 days following the date of this notice. 47 U.S.C. § 309(b). All applications accepted for filing will be assigned call signs, or other unique station identifiers. However, these assignments are for administrative purposes only and do not in any way prejudice Commission action.

SES-LIC-20210923-01624 E E210418 LBiSat LLC

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Eagle Mtn

LOCATION: 1082 East 2400 North, Utah, Eagle Mtn, UT

40 ° 17 ' 8.00 " N LAT.

112 ° 1 ' 26.20 " W LONG.

ANTENNA ID:	3.8	3.8 meters	GD Satcom	1385
	5925.0000 - 5958.0000 MHz	51K2G7W	47.87 dBW	Digital traffic, various FEC, data rates and modulation
	5990.0000 - 6019.0000 MHz	51K2G7W	47.87 dBW	Digital traffic, various FEC, data rates and modulation
	6050.0000 - 6425.0000 MHz	51K2G7W	47.87 dBW	Digital traffic, various FEC, data rates and modulation
	5925.0000 - 5958.0000 MHz	27M0G7W	69.09 dBW	Digital traffic, various FEC, data rates and modulation
	5990.0000 - 6019.0000 MHz	27M0G7W	69.09 dBW	Digital traffic, various FEC, data rates and modulation
	6050.0000 - 6425.0000 MHz	36M0G7W	70.34 dBW	Digital traffic, various FEC, data rates and modulation
ANTENNA ID:	5.6M	5.6 meters	Andrew Corporation	ESA56-124

11700.0000 - 12200.0000 MHz	102KG7W		Digital traffic, various FEC, data rates and modulation
11700.0000 - 12200.0000 MHz	36M0G7W		Digital traffic, various FEC, data rates and modulation
14000.0000 - 14500.0000 MHz	36M0G7W	81.70 dBW	Digital traffic, various FEC, data rates and modulation
14000.0000 - 14500.0000 MHz	102KG7W	56.30 dBW	Digital traffic, various FEC, data rates and modulation
ANTENNA ID: 6.3M	6.3 meters	GD Satcom	6.3M
11700.0000 - 12200.0000 MHz	36M0G7W		Digital traffic, various FEC, data rates and modulation
11700.0000 - 12200.0000 MHz	51K2G7W		Digital traffic, various FEC, data rates and modulation
14000.0000 - 14500.0000 MHz	36M0G7W	83.00 dBW	Digital traffic, various FEC, data rates and modulation
14000.0000 - 14500.0000 MHz	51K2G7W	54.60 dBW	Digital traffic, various FEC, data rates and modulation
ANTENNA ID: 7.6M	7.6 meters	Andrew Corporation	ESA76.K
11700.0000 - 12200.0000 MHz	36M0G7W		Digital traffic, various FEC, data rates and modulation
11700.0000 - 12200.0000 MHz	51K2G7W		Digital traffic, various FEC, data rates and modulation
14000.0000 - 14500.0000 MHz	36M0G7W	84.70 dBW	Digital traffic, various FEC, data rates and modulation
14000.0000 - 14500.0000 MHz	51K2G7W	56.30 dBW	Digital traffic, various FEC, data rates and modulation
ANTENNA ID: 9.2	9.3 meters	RSI	KS
11700.0000 - 12200.0000 MHz	36M0G7W		Digital traffic, various FEC, data rates and modulation
11700.0000 - 12200.0000 MHz	51K2G7W		Digital traffic, various FEC, data rates and modulation
14000.0000 - 14500.0000 MHz	36M0G7W	85.00 dBW	Digital traffic, various FEC, data rates and modulation
14000.0000 - 14500.0000 MHz	51K2G7W	65.50 dBW	Digital traffic, various FEC, data rates and modulation

**Points of Communication:**

**SES-MFS-20210602-00888** E E980005 EchoStar BSS Corporation

Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service, Fixed Satellite Service

EchoStar BSS Corporation requests to modify licenses for earth stations in Cheyenne, WY to change points of communications by adding the EchoStar 23 satellite at 109.9° W.L., and deleting EchoStar 23 at 44.9° W.L., as a point of communications for telemetry, tracking, and control "TT&C") and feeder link communications.

SITE ID: 1

LOCATION: 530 ECHOSTAR DRIVE, LARMIE, CHEYENNE, WY

41 ° 7 ' 56.40 " N LAT.

104 ° 44 ' 10.40 " W LONG.

ANTENNA ID:	1	13.2 meters	TIW	13.2 METER
	17790.0000 - 17800.0000 MHz	1M00G2D	35.80 dBW	Telemetry
	17307.0000 - 17308.5000 MHz	1M00G2D	86.30 dBW	Digital Data, FEC 3/4 (TT&C)
	17301.0000 - 17302.0000 MHz	1M00G2D	86.30 dBW	Digital Data, FEC 3/4 (TT&C)
	17300.0000 - 17800.0000 MHz	24M0G1W	87.40 dBW	Digital Video, FEC 3/4
	12698.5000 - 12699.5000 MHz	1M00G2D		Telemetry Beacon (TT&C)
	12202.5000 - 12203.5000 MHz	1M00G2D		Telemetry Beacon (TT&C)
	12200.5000 - 12201.5000 MHz	1M00G2D		Telemetry Beacon (TT&C)
	12200.0000 - 12700.0000 MHz	24M0M1F		Digital Video, FEC 3/4
	12200.0000 - 12205.0000 MHz	800KG2D		Telemetry
	17300.0000 - 17800.0000 MHz	24M0M1F	87.40 dBW	Digital Video, FEC 3/4, Feeder Uplinks

**Points of Communication:**

1 - ECHO-3 - (61.5 DEG)

1 - ECHOSTAR 12 - (86.4 W.L.)

1 - ECHOSTAR 14 - (118.9 W.L.)

1 - ECHOSTAR 15 (S2811) - (45.1 W.L.)

1 - ECHOSTAR 16 (S2844) - (61.5 W.L.)

1 - ECHOSTAR 2 - (148 W.L.)

1 - ECHOSTAR 23 - (44.9 W.L.)

1 - ECHOSTAR 4 - (76.85 W.L.)

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1 - EHOSTAR 7 - (118.8 W.L.)

1 - EHOSTAR 8 - (77 W.L.)

1 - EHOSTAR/DISH - ()

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**SES-MFS-20210602-00889** E E170094 EchoStar BSS Corporation

Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

License modification application to change points of communications by adding the EchoStar 23 satellite at 109.9 W.L., and deleting EchoStar 23 at 44.9 W.L., as a point of communications for TT&C and feeder links.

SITE ID: 1

LOCATION: 1335 Wissler Road, Shenandoah, Quicksburg, VA

38 ° 43 ' 23.10 " N LAT.

78 ° 39 ' 57.80 " W LONG.

ANTENNA ID:	1	13.2 meters	GDSATCOM	13.2 Meter
	17300.0000 - 17800.0000 MHz		1M50G2D 87.40 dBW	Command Carrier (TT&C)
	17300.0000 - 17800.0000 MHz		24M0G7W 87.40 dBW	Digital Compressed Video
	12200.0000 - 12700.0000 MHz		300KG2D	Telemetry Beacon (TT&C)
	12200.0000 - 12700.0000 MHz		24M0G7W	Digital Compressed Video

**Points of Communication:**

1 - EHOSTAR/DISH - ()

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**SES-MFS-20210602-00890** E E070014 EchoStar BSS Corporation

Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service, Fixed Satellite Service

License modification application to change points of communications by adding the EchoStar 23 satellite at 109.9 W.L., and deleting EchoStar 23 at 44.9 W.L., as a point of communications for TT&C and feeder links.

SITE ID: 1

LOCATION: 801 N. DISH DRIVE (GFMA), MARICOPA, GILBERT, AZ

33 ° 22 ' 0.80 " N LAT.

111 ° 48 ' 54.70 " W LONG.

ANTENNA ID:	GFMA	13.2 meters	VERTEX/TIW	13.2 METER
	17790.0000 - 17800.0000 MHz		800KG2D 79.11 dBW	Command Carrier (TT&C)
	17790.0000 - 17800.0000 MHz		800KG2D 84.10 dBW	Command Carrier (TT&C)
	17300.0000 - 17800.0000 MHz		24M0G7W 86.90 dBW	Digital Compressed Video, Voice, Data

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17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW	Digital Compressed Video
17300.0000 - 17800.0000 MHz	1M50G2D	86.90 dBW	Command Carrier (TT&C)
17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW	Digital Compressed Video
17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW	Digital Compressed Video
17300.0000 - 17800.0000 MHz	1M50G2D	86.90 dBW	Command Carrier (TT&C)
17300.0000 - 17310.0000 MHz	800KG2D	79.11 dBW	Command Carrier (TT&C)
17300.0000 - 17310.0000 MHz	800KG2D	84.10 dBW	Command Carrier (TT&C)
12690.0000 - 12700.0000 MHz	800KG2D		Telemetry (TT&C)
12690.0000 - 12700.0000 MHz	800KG2D		Telemetry (TT&C)
12200.0000 - 12700.0000 MHz	24M0G7W		Digital Compressed Video, Voice, Data
12200.0000 - 12700.0000 MHz	24M0G7W		Digital Compressed Video
12200.0000 - 12700.0000 MHz	1M50G2D		Telemetry (TT&C)
12200.0000 - 12700.0000 MHz	24M0G7W		Digital Compressed Video
12200.0000 - 12700.0000 MHz	24M0G7W		Digital Compressed Video
12200.0000 - 12700.0000 MHz	1M50G2D		Telemetry (TT&C)
12200.0000 - 12210.0000 MHz	800KG2D		Telemetry (TT&C)
12200.0000 - 12210.0000 MHz	800KG2D		Telemetry (TT&C)
12200.0000 - 12205.0000 MHz	800KG2D		Telemetry

**Points of Communication:**

- 1 - CIEL 2 - (128.85 W.L.)
- 1 - EHOSTAR 1 - (77 W.L.)
- 1 - EHOSTAR 10 - (110.2 W.L.)
- 1 - EHOSTAR 12 - (86.4 W.L.)
- 1 - EHOSTAR 15 (S2811) - (45.1 W.L.)
- 1 - EHOSTAR 16 (S2844) - (61.5 W.L.)
- 1 - EHOSTAR 2 - (148 W.L.)
- 1 - EHOSTAR 3 (S2741) - (61.5 W.L.)

- 1 - EHOSTAR 4 - (77 W.L.)
- 1 - EHOSTAR 5 - (129 W.L.)
- 1 - EHOSTAR 6 - (110 W.L.)
- 1 - EHOSTAR 6 - (72.7 W.L.)
- 1 - EHOSTAR 7 - (119 W.L.)
- 1 - EHOSTAR 8 - (110 W.L.)
- 1 - EHOSTAR 8 - (76.85)
- 1 - EHOSTAR I - (148.0 W.L.)
- 1 - EHOSTAR/DISH - ( )
- 1 - NIMIQ 5 - (72.7 W.L.)
- 1 - RAINBOW1 - (61.5 W.L.)

**SES-MFS-20210602-00891**    E E150098    EchoStar BSS Corporation

Modification

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**    Broadcast Satellite Service, Fixed Satellite Service

EchoStar BSS Corporation requests lices modification to change points of communications by adding the EchoStar 23 satellite at 109.9° W.L., and deleting EchoStar 23 at 44.9° W.L., as a point of communications for telemetry, tracking, and control "TT&C") and feeder link communications.

SITE ID:                    1

LOCATION:                10020 Liberty Street, Meade, Summerset, SD

44 ° 11 ' 14.40 " N LAT.

103 ° 20 ' 9.60 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2m
	17790.0000 - 17800.0000 MHz	1M50F2D	81.84 dBW	Telecommand
	17310.0000 - 17790.0000 MHz	24M0G7W	87.00 dBW	Digital Compressed Video
	17300.0000 - 17310.0000 MHz	1M50F2D	81.84 dBW	Telecommand, (TT&C) Uplinks
	12690.0000 - 12700.0000 MHz	300KGXD	0.00 dBW	Telemetry
	12690.0000 - 12700.0000 MHz	800KF3D	0.00 dBW	Telemetry
	12210.0000 - 12690.0000 MHz	24M0G7W	0.00 dBW	Digital Compressed Video
	12200.0000 - 12210.0000 MHz	300KGXD	0.00 dBW	Telemetry, (TT&C) Downlinks
	12200.0000 - 12210.0000 MHz	800KF3D	0.00 dBW	Telemetry

**Points of Communication:**

- 1 - EHOSTAR 12 - (86.4 W.L.)
- 1 - EHOSTAR 15 (S2811) - (61.65 W.L.)
- 1 - EHOSTAR 23 - (44.9 W.L.)
- 1 - EHOSTAR/DISH - ()

**SES-MFS-20210602-00892** E E020248 EchoStar BSS Corporation

Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service, Other

EchoStar BSS Corporation requests license modification to change points of communications by adding the EchoStar 23 satellite at 109.9° W.L., and deleting EchoStar 23 at 44.9° W.L., as a point of communications for telemetry, tracking, and control "TT&C") and feeder link communications.

SITE ID: BH

LOCATION: 10020 LIBERTY STREET, MEADE, BLACKHAWK, SD

44 ° 11 ' 15.30 " N LAT.

103 ° 20 ' 9.70 " W LONG.

ANTENNA ID:	BH8	8 meters	VERTEX RSI	8M KU	
	17790.0000 - 17800.0000 MHz		1M50F2D	77.20 dBW	COMMAND
	17790.0000 - 17800.0000 MHz		800KF3D	77.20 dBW	COMMAND
	17790.0000 - 17800.0000 MHz		1M50F3D	77.20 dBW	COMMAND
	17300.0000 - 17310.0000 MHz		1M50F2D	77.20 dBW	COMMAND, (TT&C) Uplinks
	17300.0000 - 17310.0000 MHz		800KF3D	77.20 dBW	COMMAND, (TT&C) Uplinks
	17300.0000 - 17310.0000 MHz		1M50F3D	77.20 dBW	COMMAND, (TT&C) Uplinks
	12690.0000 - 12700.0000 MHz		300KGXD		TELEMETRY
	12690.0000 - 12700.0000 MHz		800KF3D		TELEMETRY
	12200.0000 - 12700.0000 MHz		24M0G1W		DIGITAL COMPRESSED VIDEO
	12200.0000 - 12210.0000 MHz		300KGXD		TELEMETRY, (TT&C) Downlinks
	12200.0000 - 12210.0000 MHz		800KF3D		TELEMETRY, (TT&C) Downlinks
	17300.0000 - 17800.0000 MHz		24M0G1W	77.20 dBW	DIGITAL COMPRESSED VIDEO, Feeder Uplinks
ANTENNA ID:	BH13	13.2 meters	VERTEX RSI	13.2M KU	
	17790.0000 - 17800.0000 MHz		1M50F2D	85.10 dBW	COMMAND
	17790.0000 - 17800.0000 MHz		800KF3D	82.60 dBW	COMMAND

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17790.0000 - 17800.0000 MHz	1M50F3D	85.10 dBW	COMMAND
17300.0000 - 17800.0000 MHz	24M0G1W	85.10 dBW	DIGITAL COMPRESSED VIDEO, Feeder Uplinks
17300.0000 - 17310.0000 MHz	800KF3D	82.60 dBW	COMMAND, (TT&C) Uplinks
17300.0000 - 17310.0000 MHz	1M50F3D	85.10 dBW	COMMAND, (TT&C) Uplinks
12690.0000 - 12700.0000 MHz	300KGXD		TELEMETRY
12690.0000 - 12700.0000 MHz	800KF3D		TELEMETRY
12200.0000 - 12700.0000 MHz	24M0G1W		DIGITAL COMPRESSED VIDEO
12200.0000 - 12210.0000 MHz	300KGXD		TELEMETRY, (TT&C) Downlinks
12200.0000 - 12210.0000 MHz	800KF3D		TELEMETRY, (TT&C) Downlinks
17300.0000 - 17310.0000 MHz	1M50F2D	85.10 dBW	COMMAND, (TT&C) Uplinks

**Points of Communication:**

BH - ECHOSTAR 10 - (110.2 W.L.)

BH - ECHOSTAR 12 - (61.35 W.L.)

BH - ECHOSTAR 23 - (44.9 W.L.)

BH - ECHOSTAR 7 - (119 W.L.)

BH - ECHOSTAR/DISH - ()

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**SES-MOD-20180620-01802** E E881195 WBIR-TV, LLC

Application for Modification

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

WBIR-TV, LLC. requests Modification to replace its existing 2.6 meter Vertex antenna with a 1.4 meter AVL Antenna.

SITE ID: 1

LOCATION: WBIR-TV ,1513 HUTCHINSON AVE. KNOXVILLE, KNOX, TN 37917, VARIOUS

ANTENNA ID: 1	1.4 meters	AVL	1410
14000.0000 - 14500.0000 MHz	36M0F8W	77.10 dBW	DIGITAL MCPC QPSK CARRIER USED FOR VIDEO/VOICE/DATA.
14000.0000 - 14500.0000 MHz	24M0G7W	72.00 dBW	DIGITAL MCPC QPSK CARRIER USED FOR VIDEO/VOICE/DATA.
11700.0000 - 12200.0000 MHz	36M0F8W		DIGITAL MCPC QPSK CARRIER USED FOR VIDEO/VOICE/DATA.



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11700.0000 - 12200.0000 MHz

24M0G7W

DIGITAL MCPC QPSK CARRIER  
USED FOR VIDEO/VOICE/DATA.

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20210715-01042** E E170068 Thales Avionics, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Application is returning to public notice, see pleading filed on March 28, 2022.

SITE ID: AES1

LOCATION: .365m (250 UNITS) AOR/PARTS OF N. EUROPE

ANTENNA ID:	AES1	0.365 meters	Thales	MCT-A
	29500.0000 - 30000.0000 MHz	4M10G7D	45.50 dBW	Digital Data Services
	29500.0000 - 30000.0000 MHz	2M05G7D	45.50 dBW	Digital Data Services
	29500.0000 - 30000.0000 MHz	1M00G7D	42.40 dBW	Digital Data Services
	29300.0000 - 30000.0000 MHz	2M00G7D	45.50 dBW	Digital Data Services
	29300.0000 - 30000.0000 MHz	4M10G7D	45.50 dBW	Digital Data Services
	29300.0000 - 30000.0000 MHz	6M10G7D	45.50 dBW	Digital Data Services
	28438.0000 - 28563.0000 MHz	4M10G7D	45.40 dBW	Digital Data Services
	28438.0000 - 28563.0000 MHz	2M05G7D	45.40 dBW	Digital Data Services
	19700.0000 - 20200.0000 MHz	37M0G7D		Digital Data Services
	19700.0000 - 20200.0000 MHz	47M0G7D		Digital Data Services
	19700.0000 - 20200.0000 MHz	22M8G7D		Digital Data Services
	19700.0000 - 20200.0000 MHz	11M4G7D		Digital Data Services
	18638.0000 - 18763.0000 MHz	37M0G7D		Digital Data Services
	18300.0000 - 19300.0000 MHz	47M0G7D		Digital Data Services

SITE ID: AES2

LOCATION: 0.433m (250 UNITS) CONUS AND AOR

ANTENNA ID:	AES2	0.433 meters	THINKOM	KA2517
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29500.0000 - 30000.0000 MHz	6M10G7D	47.40 dBW	Digital Data Services
29500.0000 - 30000.0000 MHz	1M00G7D	43.10 dBW	Digital Data Services
29300.0000 - 30000.0000 MHz	4M10G7D	47.40 dBW	Digital Data Services
29300.0000 - 30000.0000 MHz	2M05G7D	46.10 dBW	Digital Data Services
28438.0000 - 28563.0000 MHz	2M05G7D	46.10 dBW	Digital Data Services
19700.0000 - 20200.0000 MHz	47M0G7D		Digital Data Services
19700.0000 - 20200.0000 MHz	22M8G7D		Digital Data Services
19700.0000 - 20200.0000 MHz	11M4G7D		Digital Data Services
18300.0000 - 19300.0000 MHz	47M0G7D		Digital Data Services
27612.0000 - 27837.0000 MHz	5M20G7D	47.60 dBW	Digital Data Services
27868.0000 - 28331.0000 MHz	5M20G7D	47.60 dBW	Digital Data Services
29300.0000 - 29731.0000 MHz	5M20G7D	47.60 dBW	Digital Data Services
29500.0000 - 29731.0000 MHz	7M00G7W	47.60 dBW	Digital Data Services
29500.0000 - 29731.0000 MHz	4M80G7W	47.60 dBW	Digital Data Services
29500.0000 - 29731.0000 MHz	5M20G7D	47.60 dBW	Digital Data Services

**Points of Communication:**

AES1 - AMC-15 (S2180) - (105.0 W.L.)

AES1 - EchostarXVII(S2753) - (107.1 W.L.)

AES1 - Jupiter 2 (S2834) - (97.1 W. L.)

AES1 - Thor-7 - (0.65 W)

AES2 - AMC-15 (S2180) - (105.0 W.L.)

AES2 - EchostarXVII(S2753) - (107.1 W.L.)

AES2 - Jupiter 2 (S2834) - (97.1 W. L.)

AES2 - TELSTAR 19V - (63 W.L.)

AES2 - Thor-7 - (0.65 W)

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**SES-STA-20220412-00379**

E

RBC Signals, LLC

Special Temporary Authority

**Class of Station:**

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RBC Signals, LLC requests special temporary authority for 180-days to operate its fixed earth station in Windham, NY with a yagi antenna (the "400 MHz Yagi") to conduct tracking, telemetry and command (TT&C) operations for foreign licensed, non-geostationary satellite orbit (NGSO) Aurorasat-1 cubesat operated by Aurora Propulsion Technologies, Ltd. (Aurora PT). RBC Signals LLC will perform TT&C operations in the 401.0375-401.0625 MHz (space-to-Earth) and 401.0875-401.1125 MHz (Earth-to-space) frequency bands.

**Points of Communication:**

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**SES-T/C-20220404-00364** E E120116 SES S.A.

Application for Consent to Transfer of Control

**Current Licensee:** DRS Global Enterprise Solutions, Inc.

**FROM:** DRS DEFENSE SOLUTIONS,LLC

**TO:** SES S.A.

No. of Station(s) listed: 2

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For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.