



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION**

Name: ISAT US Inc.

Call Sign: E140029

Authorization Type: Modification of License

File Number: SES-MOD-20161130-00917

Non Common Carrier

Grant date: 04/17/2017

Expiration Date: 09/29/2030



Nature of Service: Domestic Maritime Mobile-Satellite Service

Class of Station: Fixed Land-based Ship Earth Station

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	REMOTE 1	Maritime Vessels/4000units South Atlantic Ocean, Pacific Ocean CONUS, PR, USVI, Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.			0	NA
2)	REMOTE 2	Maritime Vessels/4000units South Atlantic Ocean, Pacific Ocean CONUS PR USVI, Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.			0	NA
3)	REMOTE 3	Maritime Vessels/4000units South Atlantic Ocean, Pacific Ocean CONUS PR USVI, Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				NA
4)	REMOTE 4	Maritime Vessels/4000units South Atlantic Ocean, Pacific Ocean CONUS PR USVI, Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				NA
5)	REMOTE 5	Maritime Vessels/4000units South Atlantic Ocean, Pacific Ocean CONUS PR USVI, Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				NA



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A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
6)	REMOTE 6	Maritime Vessels/4000units South Atlantic Ocean, Pacific Ocean CONUS PR USVI, Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				NA
7)	REMOTE 7	Maritime Vessels/4000units South Atlantic Ocean, Pacific Ocean CONUS PR USVI, Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				NA

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning September 29, 2015 (3 AM Eastern Standard Time) and ending September 29, 2030 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is April 17, 2018 (3 AM Eastern Standard Time) . Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.
The General Provision 1900 applies to all transmitting frequency bands.
For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	29500.0000-30000.0000	R	1M79G1W	Tx	54.60	28.10	INT GX100		Modulation and Services Digital Data Signalling
2)	29500.0000-30000.0000	R	5M00G1W	Tx	54.50	23.50	INT GX100		Modulation and Services Digital Data Signalling
3)	29500.0000-30000.0000	R	600KG7W	Tx	47.80	26.00	INT GX100		Various Modulations up to 32APSK; Digital Data Link
4)	29500.0000-30000.0000	R	6M96G7W	Tx	54.50	22.10	INT GX100		Various Modulations up to 32APSK; Digital Data Link
5)	29100.0000-29500.0000	R	1M79G1W	Tx	54.60	28.10	INT GX100		Modulation and Services Digital Data Signalling



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6)	29100.0000-29500.0000	R	5M00G1W	Tx	54.50	23.50	INT GX100		Modulation and Services Digital Data Signalling
7)	29100.0000-29500.0000	R	600KG7W	Tx	47.80	26.00	INT GX100		Various Modulations up to 32APSK; Digital Data Link
8)	29100.0000-29500.0000	R	6M96G7W	Tx	54.50	22.10	INT GX100		Various Modulations up to 32APSK; Digital Data Link
9)	19700.0000-20200.0000	L	32M0G7W	Rx			INT GX100		Various Modulations up to 32APSK; Digital Data Link
10)	19300.0000-19700.0000	L	32M0G7W	Rx			INT GX100		Various Modulations up to 32APSK; Digital Data Link
11)	29500.0000-30000.0000	R	2M20G1W	Tx	50.50	23.10	INT GX60		Modulation and Services Digital Data Signalling
12)	29500.0000-30000.0000	R	5M00G1W	Tx	50.90	19.90	INT GX60		Modulation and Services Digital Data Signalling
13)	29500.0000-30000.0000	R	492KG7W	Tx	44.00	23.10	INT GX60		Various Modulations up to 32APSK; Digital Data Link
14)	29500.0000-30000.0000	R	6M96G7W	Tx	50.90	18.50	INT GX60		Various Modulations up to 32APSK; Digital Data Link
15)	29100.0000-29500.0000	R	2M20G1W	Tx	50.50	23.10	INT GX60		Modulation and Services Digital Data Signalling
16)	29100.0000-29500.0000	R	5M00G1W	Tx	50.90	19.90	INT GX60		Modulation and Services Digital Data Signalling
17)	29100.0000-29500.0000	R	492KG7W	Tx	44.00	23.10	INT GX60		Various Modulations up to 32APSK; Digital Data Link
18)	29100.0000-29500.0000	R	6M96G7W	Tx	50.90	18.50	INT GX60		Various Modulations up to 32APSK; Digital Data Link
19)	19700.0000-20200.0000	L	32M0G7W	Rx			INT GX60		Various Modulations up to 32APSK; Digital Data Link
20)	19300.0000-19700.0000	L	32M0G7W	Rx			INT GX60		Various Modulations up to 32APSK; Digital Data Link
21)	29500.0000-30000.0000	R	2M70G1W	Tx	50.50	22.20	JUE-60GX		Modulation and Services Digital Data Signalling
22)	29500.0000-30000.0000	R	5M00G1W	Tx	50.90	19.90	JUE-60GX		Modulation and Services Digital Data Signalling
23)	29500.0000-30000.0000	R	600KG7W	Tx	44.00	22.20	JUE-60GX		Various Modulations up to 32APSK; Digital Data Link



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The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
24)	29500.0000-30000.0000	R	6M96G7W	Tx	50.90	18.50	JUE-60GX		Various Modulations up to 32APSK; Digital Data Link
25)	29100.0000-29500.0000	R	2M70G1W	Tx	50.50	22.20	JUE-60GX		Modulation and Services Digital Data Signalling
26)	29100.0000-29500.0000	R	5M00G1W	Tx	50.90	19.90	JUE-60GX		Modulation and Services Digital Data Signalling
27)	29100.0000-29500.0000	R	600KG7W	Tx	44.00	22.20	JUE-60GX		Various Modulations up to 32APSK; Digital Data Link
28)	29100.0000-29500.0000	R	6M96G7W	Tx	50.90	18.50	JUE-60GX		Various Modulations up to 32APSK; Digital Data Link
29)	19700.0000-20200.0000	L,R	32M0G7W	Rx			JUE-60GX		Modulation and Services Digital Data Signalling
30)	19300.0000-19700.0000	L,R	32M0G7W	Rx			JUE-60GX		Modulation and Services Digital Data Signalling
31)	29500.0000-30000.0000	R	2M70G1W	Tx	54.30	26.00	SAILOR 100		Modulation and Services Digital Data Signalling
32)	29500.0000-30000.0000	R	5M00G1W	Tx	54.50	23.50	SAILOR 100		Modulation and Services Digital Data Signalling
33)	29500.0000-30000.0000	R	600KG7W	Tx	47.80	26.00	SAILOR 100		Various Modulations up to 32APSK; Digital Data Link
34)	29500.0000-30000.0000	R	6M96G7W	Tx	54.50	22.10	SAILOR 100		Various Modulations up to 32APSK; Digital Data Link
35)	29100.0000-29500.0000	R	2M70G1W	Tx	54.30	26.00	SAILOR 100		Modulation and Services Digital Data Signalling
36)	29100.0000-29500.0000	R	5M00G1W	Tx	54.50	23.50	SAILOR 100		Modulation and Services Digital Data Signalling
37)	29100.0000-29500.0000	R	600KG7W	Tx	47.80	26.00	SAILOR 100		Various Modulations up to 32APSK; Digital Data Link
38)	29100.0000-29500.0000	R	6M96G7W	Tx	54.50	22.10	SAILOR 100		Various Modulations up to 32APSK; Digital Data Link
39)	19700.0000-20200.0000	L	32M0G7W	Rx			SAILOR 100		Various Modulations up to 32APSK; Digital Data Link
40)	19300.0000-19700.0000	L	32M0G7W	Rx			SAILOR 100		Various Modulations up to 32APSK; Digital Data Link
41)	29500.0000-30000.0000	R	2M20G1W	Tx	50.50	23.10	SAILOR 60		Modulation and Services Digital Data Signalling



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For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
42)	29500.0000-30000.0000	R	5M00G1W	Tx	50.70	19.70	SAILOR 60		Modulation and Services Digital Data Signalling
43)	29500.0000-30000.0000	R	492KG7W	Tx	44.00	23.10	SAILOR 60		Various Modulations up to 32APSK; Digital Data Link
44)	29500.0000-30000.0000	R	6M96G7W	Tx	50.70	18.30	SAILOR 60		Various Modulations up to 32APSK; Digital Data Link
45)	29100.0000-29500.0000	R	2M20G1W	Tx	50.50	23.10	SAILOR 60		Modulation and Services Digital Data Signalling
46)	29100.0000-29500.0000	R	5M00G1W	Tx	50.70	19.70	SAILOR 60		Modulation and Services Digital Data Signalling
47)	29100.0000-29500.0000	R	492KG7W	Tx	44.00	23.10	SAILOR 60		Various Modulations up to 32APSK; Digital Data Link
48)	29100.0000-29500.0000	R	6M96G7W	Tx	50.70	18.30	SAILOR 60		Various Modulations up to 32APSK; Digital Data Link
49)	19700.0000-20200.0000	L	32M0G7W	Rx			SAILOR 60		Various Modulations up to 32APSK; Digital Data Link
50)	19300.0000-19700.0000	L	32M0G7W	Rx			SAILOR 60		Various Modulations up to 32APSK; Digital Data Link
51)	29500.0000-30000.0000	R	2M30G1W	Tx	54.10	26.50	SEA4012GX		Modulation and Services Digital Data Signalling
52)	29500.0000-30000.0000	R	5M00G1W	Tx	54.10	23.10	SEA4012GX		Modulation and Services Digital Data Signalling
53)	29500.0000-30000.0000	R	600KG7W	Tx	46.50	24.70	SEA4012GX		Various Modulations up to 32APSK; Digital Data Link
54)	29500.0000-30000.0000	R	6M96G7W	Tx	54.10	21.70	SEA4012GX		Various Modulations up to 32APSK; Digital Data Link
55)	29100.0000-29500.0000	R	2M30G1W	Tx	54.10	26.50	SEA4012GX		Modulation and Services Digital Data Signalling
56)	29100.0000-29500.0000	R	5M00G1W	Tx	54.10	23.10	SEA4012GX		Modulation and Services Digital Data Signalling
57)	29100.0000-29500.0000	R	600KG7W	Tx	46.50	24.70	SEA4012GX		Various Modulations up to 32APSK; Digital Data Link
58)	29100.0000-29500.0000	R	6M96G7W	Tx	54.10	21.70	SEA4012GX		Various Modulations up to 32APSK; Digital Data Link
59)	19700.0000-20200.0000	L	32M0G7W	Rx	0.00	0.00	SEA4012GX		Various Modulations up to 32APSK; Digital Data Link



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
60)	19300.0000-19700.0000	L	32M0G7W	Rx			SEA4012GX		Various Modulations up to 32APSK; Digital Data Link
61)	29500.0000-30000.0000	R	2M70G1W	Tx	50.30	22.00	SEAGX60		Modulation and Services Digital Data Signalling
62)	29500.0000-30000.0000	R	5M00G1W	Tx	50.30	19.30	SEAGX60		Modulation and Services Digital Data Signalling
63)	29500.0000-30000.0000	R	600KG7W	Tx	43.30	21.50	SEAGX60		Various Modulations up to 32APSK; Digital Data Link
64)	29500.0000-30000.0000	R	6M96G7W	Tx	50.30	17.90	SEAGX60		Various Modulations up to 32APSK; Digital Data Link
65)	29100.0000-29500.0000	R	2M70G1W	Tx	50.30	22.00	SEAGX60		Modulation and Services Digital Data Signalling
66)	29100.0000-29500.0000	R	5M00G1W	Tx	50.30	19.30	SEAGX60		Modulation and Services Digital Data Signalling
67)	29100.0000-29500.0000	R	600KG7W	Tx	43.30	21.50	SEAGX60		Various Modulations up to 32APSK; Digital Data Link
68)	29100.0000-29500.0000	R	6M96G7W	Tx	50.30	17.90	SEAGX60		Various Modulations up to 32APSK; Digital Data Link
69)	19700.0000-20200.0000	L	32M0G7W	Rx	0.00	0.00	SEAGX60		Various Modulations up to 32APSK; Digital Data Link
70)	19300.0000-19700.0000	L	32M0G7W	Rx			SEAGX60		Various Modulations up to 32APSK; Digital Data Link

C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	29500.0000-30000.0000			05.0	-05.0			-9	JUE-60GX
2)	19700.0000-20200.0000			05.0	-05.0				JUE-60GX
3)	29100.0000-29500.0000			05.0	-05.0			-9	JUE-60GX
4)	19300.0000-19700.0000			05.0	-05.0				JUE-60GX
5)	29500.0000-30000.0000			05.0	-05.0			-9	INT GX100
6)	19700.0000-20200.0000			05.0	-05.0				INT GX100
7)	29100.0000-29500.0000			05.0	-05.0			-9	INT GX100



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
8)	19300.0000-19700.0000			05.0	-05.0				INT GX100
9)	29500.0000-30000.0000			05.0	-05.0			-9	INT GX60
10)	19700.0000-20200.0000			05.0	-05.0				INT GX60
11)	29100.0000-29500.0000			05.0	-05.0			-9	INT GX60
12)	19300.0000-19700.0000			05.0	-05.0				INT GX60
13)	29500.0000-30000.0000			05.0	-05.0			-9	SAILOR 60
14)	19700.0000-20200.0000			05.0	-05.0				SAILOR 60
15)	29100.0000-29500.0000			05.0	-05.0			-9	SAILOR 60
16)	19300.0000-19700.0000			05.0	-05.0				SAILOR 60
17)	29500.0000-30000.0000			05.0	-05.0			-9	SAILOR 100
18)	19700.0000-20200.0000			05.0	-05.0				SAILOR 100
19)	29100.0000-29500.0000			05.0	-05.0			-9	SAILOR 100
20)	19300.0000-19700.0000			05.0	-05.0				SAILOR 100
21)	19700.0000-20200.0000	0.0W	-360.0W	05.0	-05.0	000.0	-000.0		SEA4012GX
22)	29500.0000-30000.0000	0.0W	-360.0W	05.0	-05.0	000.0	-000.0	-9	SEA4012GX
23)	29100.0000-29500.0000			05.0	-05.0			-9	SEA4012GX
24)	19300.0000-19700.0000			05.0	-05.0				SEA4012GX
25)	19700.0000-20200.0000	0.0W	-360.0W	05.0	-05.0	000.0	-000.0		SEAGX60
26)	29500.0000-30000.0000	0.0W	-360.0W	05.0	-05.0	000.0	-000.0	-9	SEAGX60
27)	29100.0000-29500.0000			05.0	-05.0			-9	SEAGX60
28)	19300.0000-19700.0000			05.0	-05.0				SEAGX60

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) REMOTE 4 to INMARSAT 5F2 satellite @ 55 W.L. (U. K. licensed)
- 2) REMOTE 4 to INMARSAT 5F3 satellite @ 179.6 E.L. (U. K. licensed)
- 3) REMOTE 5 to INMARSAT 5F2 satellite @ 55 W.L. (U. K. licensed)
- 4) REMOTE 5 to INMARSAT 5F3 satellite @ 179.6 E.L. (U. K. licensed)
- 5) REMOTE 6 to INMARSAT 5F2 satellite @ 55 W.L. (U. K. licensed)
- 6) REMOTE 6 to INMARSAT 5F3 satellite @ 179.6 E.L. (U. K. licensed)
- 7) REMOTE 7 to INMARSAT 5F2 satellite @ 55 W.L. (U. K. licensed)
- 8) REMOTE 7 to INMARSAT 5F3 satellite @ 179.6 E.L. (U. K. licensed)
- 9) REMOTE 3 to INMARSAT 5F2 satellite @ 55 W.L. (U. K. licensed)



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F) Remote Control Point:

REMOTE 4	6211 GLEN CIRCLE, (JUE-60GX) LINO LAKES, ANOKA, MN 55014 808-469-7104	Call Sign: E120072
REMOTE 5	6211 GLEN CIRCLE, (INT GX100) LINO LAKES, ANOKA, MN 55014 808-469-7104	Call Sign: E120072
REMOTE 6	6211 GLEN CIRCLE, (INT GX60) LINO LAKES, ANOKA, MN 55014 808-469-7104	Call Sign: E120072
REMOTE 7	6211 GLEN CIRCLE, (SAILOR 60) LINO LAKES, ANOKA, MN 55014 808-469-7104	Call Sign: E120072

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 4 --- Licensee must ensure that a current listing of the name, title, mailing address, email address, and telephone number of the responsible point of contact are on file at the FCC. Any changes must be filed electronically in the International Bureau Filing System (IBFS) in the "Other Filings" tab within 10 days of the change.
- 5 --- Licensee must notify the Commission when an earth station is no longer operational or when it has not been used to provide any service during any 6-month operation.

167 --- This authorization is limited to the total number of terminals listed in Section A of this license for this Site ID.



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H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 2300 --- Authority is granted to operate this station by remote control provided that: (1) the parameters of the transmissions of this station monitored at the remote control point, and the operational functions sufficient to ensure that the operations of this station are in full compliance with the station authorization at all times; (2) upon detection by the grantee, or upon notification from the Commission, of a deviation of the operation of this station, transmissions shall be immediately suspended until the deviation is corrected, except that transmissions concerning the immediate safety of life or property may be conducted for the duration of such emergency; and (3) the grantee shall have available, at all times, the technical personnel necessary to perform the technical servicing and maintenance of this station expeditiously. See also Public Notice "The International Bureau Provides Guidance Concerning the Relocation of Earth Station Remote Control Points", DA 06-978 (rel. May 4, 2006).
- 2653 --- Licensee shall maintain a 24-hour point of contact who can remedy any interference problems or terminate operations if necessary.
- 6609 --- The licensee must comply with any pertinent limits and provisions established by the International Telecommunication Union to protect other services allocated internationally.
- 6613 --- The licensee must maintain the following records for each antenna on maritime vessels: a record of the ship location (i.e., latitude and longitude), transmit frequency, channel bandwidth and satellite used. These records shall be time annotated and maintained for a period of not less than 1 year. Records will be obtained at time intervals of no greater than every 20 minutes while the antenna is transmitting. The licensee will make this data available upon request to a coordinator, fixed system operator, fixed satellite system operator, or the Commission within 24 hours of the request.
- 90227 --- Grant of this application and operations under this license are based upon and subject to the conditions, waivers, and findings specified in Inmarsat Mobile Networks, Order and Authorization and Declaratory Ruling, 30 FCC Rcd 2770 (Int'l Bur., 2015), and Petition for Reconsideration or Clarification, 30 FCC Rcd 7295 (Int'l Bur. 2015).
- 90228 --- The licensee's earth stations on maritime vessels authorized herein must employ a tracking algorithm that is resistant to capturing and tracking adjacent satellite signals, and each station must be capable of inhibiting its own transmission in the event it detects unintended satellite tracking.
- 90229 --- The licensee's earth stations on maritime vessels authorized herein must be monitored and controlled by a ground-based network control and monitoring center. Such stations must be able to receive "enable transmission" and "disable transmission" commands from the network control center and must cease transmission immediately after receiving a "parameter change" command until receiving an "enable transmission" command from the network control center. The network control center must monitor operation of each earth station to determine if it is malfunctioning, and each earth station on maritime vessels must self-monitor and automatically cease transmission within 100 milliseconds on detecting an operational fault that could cause harmful interference.



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FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: ISAT US Inc.

Call Sign: E140029

Authorization Type: Modification of License

File Number: SES-MOD-20161130-00917

Non Common Carrier

Grant date: 04/17/2017

Expiration Date: 09/29/2030

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 90230 --- The Commission's Ka-band Plan is waived to the extent noted herein. Operations in the 29.5-30.0 GHz and 19.7-20.2 GHz frequency bands for maritime use are permitted on a non-harmful interference basis, that is, operations must not cause harmful interference to, and must not claim protection from interference caused by any other lawfully operating station. Transmission(s) must cease immediately upon notice of any interference caused. See Rulemaking to Amend Parts 1, 2, 21, and 25 of the Commission's Rules to Redesignate the 27.5-29.5 GHz Frequency Band to Reallocate the 29.5-30.0 GHz Frequency Band, to Establish Rules and Policies for Local Multipoint Distribution Services and for Fixed Satellite Services, First Report and Order and Fourth Notice of Proposed Rulemaking, 11 FCC Rcd 19005 (1996). This waiver applies to terminals with the technical characteristics identified in this license, on both U.S. and non-U.S. registered vessels.
- 90232 --- The licensee must submit to the Commission a yearly report indicating the number of earth stations actually brought into service under its blanket licensing authority. The annual report is due to the Commission no later than the first day of April of each year and shall indicate the deployment figures for the preceding calendar year. See 47 C.F.R. § 25.145(f)(1)(iv)(2).
- 90233 --- The operation of Inmarsat-5 F2 and associated earth stations must comport with: (i) the applicable uplink limits in Section 25.138 in the frequency 29.5-30.0 GHz; (ii) the applicable downlink limits in Section 25.138 in the frequency band 19.7-20.2 GHz. These limits cannot be exceeded unless the satellite operator coordinates any non-conforming operation with the operations of U.S.-licensed GSO space stations within 6 degrees of 55° W.L. Non-conforming operation must also be coordinated with respect to operation of non-U.S.-licensed space stations within 6 degrees of 55° W.L. when communicating with U.S.-licensed earth stations pursuant to Section 25.137 of the Commission's rules, 47 C.F.R. § 25.137.
- 90234 --- This authorization and any licenses related thereto are subject to compliance with the provisions of the Agreement between Inmarsat on the one hand and the U.S. Department of Justice (DOJ) and the Department of Homeland Security (DHS) on the other, dated September 23, 2008, as amended.
- 90398 --- Changes to previously authorized transmitting facilities, operations and devices regulated by the Commission that may have significant environmental impact, and are not excluded by §1.1306, require the preparation of an Environmental Assessment (EA) by the licensee. (see 47 C.F.R. §§1.1307, 1.1308 and 1.1311)
- 90399 --- The licensee shall, at all times, take all necessary measures to ensure that operation of this (these) authorized earth station(s) does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR §§ 1.1307(b) and 1.1310. Physical measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.



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Non Common Carrier

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H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

900408 --- ISAT, US is granted a waiver of the U.S. Table of Allocations, 47 CFR § 2.106, and the Commission's Ka-band Plan, see Rulemaking to Amend Parts 1, 2, 21, and 25 of the Commission's Rules to Redesignate the 27.5-29.5 GHz Frequency Band to Reallocate the 29.5-30.0 GHz Frequency Band, to Establish Rules and Policies for Local Multipoint Distribution Services and for Fixed Satellite Services, First Report and Order and Fourth Notice of Proposed Rulemaking, 11 FCC Rcd 19005 (1996). ISAT is authorized to operate with the Inmarsat 5F2 space station at the 55° W.L. orbital location using the 29.1-29.25 GHz (Earth-to-space) and 19.3-19.7 GHz (space-to-Earth) frequency bands, for maritime use in the South Atlantic Ocean Region, on a non-harmful interference basis, that is, ISAT must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating station, and must cease transmission(s) immediately upon notice of such interference. Based on the information on file with the Commission, the proposed operations do not pose a risk of interference to other users of the band.



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B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.

