

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
LEOP STA Extension

1. Applicant

Name:	Inmarsat Mobile Networks, Inc.	Phone Number:	202-248-5150
DBA Name:		Fax Number:	202-248-5177
Street:	1101 Connecticut Avenue, NW Suite 1200	E-Mail:	louis.rosa@inmarsat.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
Attention:	Louis Rosa		

30 days "With conditions"

File # SES-STA-20151104-00816

Call Sign KA25 Grant Date 11/09/2015
(or other identifier)

Term Dates
From 11/18/2015 To 11/18/2015

Approved: Paul E. Black



Applicant: Inmarsat Mobile Networks, Inc.
Call Sign: KA25
File No.: SES-STA-20151104-00816
Special Temporary Authority (STA)

Inmarsat Mobile Networks, Inc. is granted a STA extension from SES-STA-20150326-00182, for 30 days, beginning November 18, 2015, to operate its 19-meter antenna earth station, call-sign KA25, in Paumalu, Hawaii to conduct launch and early orbit phase (LEOP) services and provide C-band telemetry, tracking and control (TT&C) functions during electric orbit raising and in-orbit testing (IOT) and drift of the Inmarsat-5 F3 satellite at permanent orbital location 179° E.L., licensed by the UK Space Agency of the United Kingdom. The in-orbit testing location will be 179° E.L. The LEOP and TT&C operation during the IOT will be under the following conditions:

1. The operation of TT&C will be transmitted on 4199.0 and 4199.5 MHz (space-to-Earth) using linear vertical and circular LH and 5926.5 and 6422.5 MHz (Earth-to-space) linear horizontal and circular RH, 89 dBW maximum EIRP within coordinated emission and power limits.
2. All operations shall be on an unprotected and non-harmful interference basis, Inmarsat Mobile Networks, Inc., KA25, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
3. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis, *i.e.*, Inmarsat Mobile Networks, Inc. must not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station.
4. In the event of any harmful interference under this grant of special temporary authority, Inmarsat Mobile Networks, Inc. must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Inmarsat Mobile Networks, Inc.'s risk.
6. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.26 1, and is effective immediately


30 days with conditions

File # SES-STA-20151104-00816

Call Sign KA25 Grant Date 11/09/2015
(or other identifier)

Term Dates
From 11/18/2015 To 12/18/2015

Approved: [Signature]



Request for Extension of Special Temporary Authority

Inmarsat Mobile Networks, Inc. (“Inmarsat Mobile Networks”) hereby requests a 30-day extension of its grant of special temporary authority (“STA”) to operate its 19 meter earth station antenna located in Paumalu, Hawaii, Call Sign KA25, to permit C-band telemetry, tracking, and control (“TTAC”) communications with the Inmarsat-5 F3 spacecraft (“I5F3”) during its Launch and Early Orbit Phases (“LEOP”), electric orbit raising and In-Orbit Testing (“IOT”).

The Commission granted STA for these operations for period of 90 days beginning on August 20, 2015. *See* File No. SES-STA-20150326-00182 (granted Aug. 19, 2015). This STA expires on November 17, 2015. Due to delays in the schedule for launches at the Baikonur facility in Kazakhstan, launch of I5F3 was delayed. As a consequence, the schedule for the subsequent LEOP and IOT activities were also delayed. The satellite has been launched, and IOT at 179° E.L. has commenced. However, testing at that location will not be completed by November 17th and is expected to continue until November 21, 2015, when KA25 will be used to provide TTAC for the drift of I5F3 to its ultimate location at 179.6° E.L. *See* File No. SES-AMD-20150910-00577, Call Sign E150028 (seeking an amendment to the I5F3 market access application to specify the 179.6° E.L. orbital location). Therefore, Inmarsat Mobile Networks respectfully requests an additional 30-day STA until December 17, 2015.

Grant of the requested STA extension will serve the public interest, convenience and necessity because it will enable Inmarsat Mobile Networks to provide essential TTAC functions to I5F3 without creating any risk of harmful interference during the testing and final drift of the satellite to its permanent location. These STA operations have been coordinated with existing spacecraft operators that potentially may be affected. Further, in accordance with normal industry practices, communications with other operators will be kept open throughout LEOP, IOT and drift to ensure that such operations will be conducted on a non-interference basis.

2. Contact	
Name: Louis Rosa	Phone Number: 2026894332
Company: Inmarsat	Fax Number: 202-248-5177
Street: 1101 Connecticut Ave NW Suite 1200	E-Mail: louis.rosa@inmarsat.com
City: Washington	State: DC
Country: USA	Zipcode: 20036 -
Attention:	Relationship: Same
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number SESSTA2015032600182 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date 11/17/2015	
7. City Paumalu	8. Latitude (dd mm ss.s h) 21 40 10.6 N

9. State HI	10. Longitude (dd mm ss.s h) 158 1 58.0 W
11. Please supply any need attachments. Attachment 1: Narrative Attachment 2: Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">Inmarsat Mobile Networks seeks continued temporary authority to support LEOP testing from its SAS site in Paumalu, Hawaii.</div>	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing Louis Rosa	15. Title of Person Signing Regulatory Counsel
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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