

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA - Paumalu, HI

1. Applicant

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File # SES-STA-20080806-01036
Call Sign E080059 Grant Date 08/15/2008
(or other identifier)
Term Dates
From 08/15/2008 To: 09/15/2008
Approved: Eleanor M. Lett

Inmarsat Hawaii Inc.
Request for Further Extension of Special Temporary Authority
IB File No. SES-STA-20080311-00275
Exhibit A

Description of STA Request

Inmarsat Hawaii Inc. (“Inmarsat Hawaii”) hereby requests a further 30-day extension of special temporary authority (“STA”) to test its new Paumalu, Hawaii FSS gateway earth station facility (the “Paumalu Gateway”)¹ using the same technical parameters for which it currently is authorized under IB File No. SES-STA-20080311-00275 (granted April 4, 2008) (“Initial STA”).

The Paumalu Gateway ultimately will provide essential TT&C and feeder link services for two Inmarsat satellites: I4F1 and I4F3. However, neither of these satellites currently is in orbit within view of the Paumalu Gateway. As such, Inmarsat Hawaii sought, and received, an STA to test the Paumalu Gateway with another satellite, I3F4 at 142° W.L. Inmarsat originally intended to test the Paumalu Gateway with I3F4 for a short period of time pending launch of the I4F3 satellite, and then intended that testing would continue with the newly-launched I4F3. However, due to certain anomalies experienced by Inmarsat’s launch provider, the launch of I4F3—and the subsequent repositioning of I4F1—have been delayed. Inmarsat, however, needs to continue testing notwithstanding the launch delay. Because of this change in circumstances, Inmarsat seeks continued authority to conduct its current testing of the Paumalu Gateway with I3F4 pending the successful launch of I4F3.

As Inmarsat Hawaii described in its application for the Initial STA, for the purposes of this STA, the antenna test consists of transmissions of continuous wave carriers from each antenna towards the satellite. The signals received back from the satellite are then monitored and measured in order to verify the earth station antennas’ performance such as peak gain and side lobe patterns.

Grant of the requested STA will serve the public interest, convenience and necessity because it will help ensure that this new earth station facility performs according to its design specifications and can reliably be used to control and communicate with I4F1 and I4F3.

Therefore, Inmarsat Hawaii respectfully requests that the Commission extend its STA for an additional 30 days, beginning August 10, 2008.

¹ The Paumalu Gateway consists of two 16 meter antennas. The coordinates listed on the STA cover form are for the South Antenna: Latitude 21 40 10.4 N; Longitude 158 01 59.4 W. The coordinates for the North Antenna are: Latitude 21 40 11.3 N; Longitude 158 01 59.6 W.