

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:  
Request for Extension of S band NLV Special Temporary Authority

1. Applicant

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<b>Country:</b>	USA	<b>Zipcode:</b>	98004 -
<b>Attention:</b>	Dennis Schmitt		

"30 days Extension"



**File#** SES-STA-20090126-00068  
**Call Sign** E070290 **Grant Date** 02/03/2009  
(or other identifier)  
**Term Dates**  
**From** 02/05/2009 **To:** 03/06/2009  
**Approved:** Eleanor M. Cott

## **REQUESTS FOR EXTENSION OF SPECIAL TEMPORARY AUTHORITY**

### **January 2009**

New ICO Satellite Services G.P. (“ICO”) hereby requests a 60-day extension – through March 27, 2009 – of the Special Temporary Authority (“STA”) originally granted to ICO’s North Las Vegas, Nevada S-band earth station (Call Sign E080035) to conduct in-orbit testing (“IOT”) (SES-STA-20081223-01699). In addition, ICO seeks to consolidate this authority and extension with that of a separate STA granted to ICO for the same North Las Vegas facility (SES-STA-20081223-01697).<sup>1</sup> The requested actions involve only previously authorized operations, and would ensure that both North Las Vegas STAs run and expire concurrently. ICO will be filing an application to seek a modification to the permanent S-band authorization for the North Las Vegas facility, in order to include the frequencies being tested. Grant of the requested extensions will allow ICO to continue its analysis of the performance of advanced software with the highly precise spacecraft elements that are the key components of the GBBF system. ICO requests authority to continue these tests for a period of 60 days from January 26 through March 27, 2009.

ICO is currently conducting a series of tests to ascertain the functionality of its two-way ground based beam forming (“GBBF”) system by simulating forward traffic loading using CONUS and spot beams. ICO recognizes that operations under these STAs that are at variance with the underlying licenses for this earth station will be performed on a non-harmful interference basis, and is prepared to terminate all such operations immediately upon notification from the Commission that harmful interference is being caused thereby to any authorized user of the frequency band. Potentially affected microwave licensees have been notified of the revised testing dates, and provided with contact information for ICO personnel who will be available in the event that any significant impact to a licensed system is detected during the test period.

ICO requests that the Bureau extend the STAs to test as described above using the S-band antenna for a period of 60 days ending March 27, 2009. ICO would adhere to conditions previously imposed on ICO’s special temporary authority, as shown below. Grant of the requested extensions will allow ICO to verify performance of its innovative GBBF technology in a detailed way. The requested extensions will thus ensure the effective and timely provision of service to customers in the United States, and is in the public interest.

### **Condition**

All operations shall be on an unprotected and non-harmful interference basis, i.e., New ICO Satellite Services G.P. shall not cause harmful interference to, and shall not claim protection from, any other lawfully operating station. In the event of any harmful

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<sup>1</sup> This STA was granted on January 6, 2009 for a term of 30 days, through February 4, 2009, for frequencies not covered under the instant STA (SES-STA-20081223-01699). *Public Notice, Satellite Communications Services Information, Actions Taken*, Report No. SES-01101 (January 7, 2009),

interference as a result of New ICO Satellite Services G.P.'s operations immediately upon notification of such interference, and shall inform the Federal Communications Commission (FCC), in writing, immediately of such event.