

File # SAT- STA - 20110316 - 00056

Call Sign S2110 Grant Date 03/17/11

(or other identifier)

Term Dates

From 03/19/11 To: 03/25/11

Approved:

*Stephen J. Duxill*

Stephen J. Duxill

Chief, Satellite Policy Branch

Approved by OMB  
3060-0678



Date & Time Filed: Mar 16 2011 5:29:31:133PM  
File Number: SAT-STA-20110316-00056  
Callsign:

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
Iridium STA Extension Request for Japan Earthquake



1. Applicant

<b>Name:</b>	Iridium Satellite LLC	<b>Phone Number:</b>	703-287-7400
<b>DBA Name:</b>		<b>Fax Number:</b>	703-287-7450
<b>Street:</b>	1750 Tysons Boulevard Suite 1400	<b>E-Mail:</b>	donna.murphy@iridium.com
<b>City:</b>	McLean	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	22102 -
<b>Attention:</b>	Donna Bethea-Murphy		

**Conditions to Grant  
Iridium Satellite LLC  
IBFS File. SAT-STA-20110316-00056  
March 17, 2011**

The request of Iridium Satellite LLC (Iridium) for special temporary authority (STA), IBFS File No. SAT-STA-20110316-00056, IS GRANTED. Accordingly, Iridium is authorized for a period of seven days - from March 19, 2011, to March 25, 2011 - to continue to test and then to operate its Mobile Satellite Service (MSS) in the 1.775 MHz of spectrum from 1616-1617.775 MHz in accordance with the terms, conditions, and technical specifications set forth in the Commission's rules and this document.

1. Iridium must operate in the 1616-1617.775 MHz frequency band on a non-harmful interference basis with respect to any other allocated radio service in that band, *i.e.*, Iridium shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating satellites. In the event Iridium is notified of such interference, it must immediately inform the Commission, in writing, of such an event.
2. Iridium shall work with Globalstar to minimize any impact of emergency operations authorized under this grant of STA on the Globalstar network.
3. Any action taken or expense incurred as a result of operations pursuant to this special authority is solely at Iridium's own risk.
4. Iridium shall maintain the capability of suspending operations in the 1616-1617.775 MHz band, upon notice from the Commission, within 24 hours.
5. This STA may be terminated at the International Bureau's discretion, without a hearing, if conditions warrant. Under no circumstances may the facility(ies) authorized violate the terms of an international agreement or treaty. If an application for permanent authority is on file with the Commission, this action is taken without prejudice to that application. The applicant is required to post and/or retain a copy of this authorization as required by the Commission's Rules.
6. This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.

 <b>GRANTED*</b> International Bureau *with conditions	File #	SAT-STA-20110316-00056		
	Call Sign	S2110	Grant Date	03/17/11
	(or other identifier)		Term Dates	
	From	03/19/11	To:	03/25/11
Approved:	 Stephen J. Duall Chief, Satellite Policy Branch			

<b>2. Contact</b>	
<b>Name:</b> Jennifer Hindin	<b>Phone Number:</b> 202-719-4975
<b>Company:</b> Wiley Rein LLP	<b>Fax Number:</b> 202-719-7049
<b>Street:</b> 1776 K Street, NW	<b>E-Mail:</b> jhindin@wileyrein.com
<b>City:</b> Washington	<b>State:</b> DC
<b>Country:</b> USA	<b>Zipcode:</b> 20006 -
<b>Attention:</b>	<b>Relationship:</b> Legal Counsel
(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 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 CXW - Space Station (Non-Geostationary)	
5. Type Request	
<input type="radio"/> Change Station Location	<input type="radio"/> Extend Expiration Date
	<input checked="" type="radio"/> Other
6. Temporary Orbit Location	
	7. Requested Extended Expiration Date

<p>8. 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.)</p> <div style="border: 1px solid black; padding: 5px;"> <p>Iridium Satellite LLC respectfully requests special temporary authority for an additional 7 days, from March 19, 2011 through March 26, 2011, to provide Mobile Satellite Service in the 1616.0-1617.775 MHz band to accommodate the dramatic increase in demand for voice and data communications services in support of relief efforts following the earthquake in</p> </div>					
<p>9. 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"; party to the application; for these purposes.</p> <p style="text-align: right;"> <input checked="" type="radio"/> Yes      <input type="radio"/> No         </p>					
<p>10. Name of Person Signing Donna Bethea-Murphy</p>	<p>11. Title of Person Signing Vice President, Regulatory Engineering</p>				
<p>12. Please supply any need attachments.</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Attachment 1: Attachment</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td> </td> <td>Attachment 3:</td> </tr> </table>		Attachment 1: Attachment	Attachment 2:		Attachment 3:
Attachment 1: Attachment	Attachment 2:				
	Attachment 3:				
<p><b>WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT</b>          (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).</p>					

**FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT**

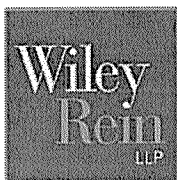
The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to [PRA@fcc.gov](mailto:PRA@fcc.gov). PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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**THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.**

## **8. Description**

Iridium Satellite LLC respectfully requests special temporary authority for an additional 7 days, from March 19, 2011 through March 26, 2011, to provide Mobile Satellite Service in the 1616.0-1617.775 MHz band to accommodate the dramatic increase in demand for voice and data communications services in support of relief efforts following the earthquake in Japan.



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March 16, 2011

Jennifer D. Hindin  
202.719.4975  
[jhindin@wileyrein.com](mailto:jhindin@wileyrein.com)

**VIA ELECTRONIC FILING**

Hon. Julius Genachowski  
Chairman  
Federal Communications Commission  
445 12th Street, S.W.  
Washington, D.C. 20554

Re: Iridium Satellite LLC  
Request for Special Temporary Authorization to Provide Mobile Satellite  
Service in the 1616-1617.775 MHz Band for an Additional 7 Days

Dear Chairman Genachowski:

Iridium Satellite LLC (“Iridium”), by its attorneys and pursuant to 47 C.F.R. § 25.120, hereby requests Special Temporary Authorization (“STA”) to provide Mobile Satellite Service (“MSS”) in the 1616-1617.775 MHz band for an additional 7 days—from March 19, 2011 through March 26, 2011.<sup>1</sup>

Grant of this request will serve the public interest by continuing to facilitate the restoration of communications following the March 11, 2011 earthquake and tsunami in Japan. More specifically, grant will help accommodate the extremely high demand for voice and data communications services by emergency response personnel and non-government relief organizations.

As the FCC is aware, the recent earthquake, tsunami and after-shocks in Japan have caused extraordinary devastation, including massive damage to communications infrastructure in the region.<sup>2</sup> Indeed, new damage continues to emerge as at least one nuclear power plant has experienced a failure in the days following the

<sup>1</sup> On March 11, 2011, the Commission granted Iridium STA for testing and operation of its MSS system for a period ending March 18, 2011, in support of relief efforts in Japan. See IBFS File No. SAT-STA-20110311-00052.

<sup>2</sup> See Matt Hambley, ‘Massive Damage’ from Japan Quake Hits Communications, Computerworld, (Mar. 11, 2011) at [http://www.computerworld.com/s/article/9214203/Massive\\_damage\\_from\\_Japan\\_earthquake\\_hits\\_communications](http://www.computerworld.com/s/article/9214203/Massive_damage_from_Japan_earthquake_hits_communications); see also Gavin Clarke, *Megaquake Cuts Japan Phone Lines*, The Register (Mar. 11, 2011) at [http://www.theregister.co.uk/2011/03/11/japan\\_earthquake\\_phones\\_out/](http://www.theregister.co.uk/2011/03/11/japan_earthquake_phones_out/).



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earthquake.<sup>3</sup> As a result, in addition to the direct damage to telecommunications infrastructure, serious damage and devastation to power generation in Japan has resulted in reductions in capacity and rolling nationwide power outages, which have left wireline and wireless networks without reliable access to primary and backup power sources. Public safety officials, relief organizations, businesses and the public urgently need reliable voice and data communications services as they respond to the crisis. Iridium's mobile satellite service is ideally suited to meet this need and indeed, is currently providing vital service to emergency response teams and organizations in Japan. In fact, due to pre-positioning of Iridium equipment in Japan, many emergency vehicles are relying on Iridium as emergency response efforts continue.

Since the Commission's original grant of STA on March 11, 2011, Iridium's mobile satellite service has been essential to establishing communications both within Japan and between Japan and the rest of the world. Usage of the Iridium network spiked exponentially following the earthquake and continues at a very high level. Moreover, Iridium anticipates the already strong demand for its satellite service to grow as new aid groups and non-governmental organizations arrive in the area.<sup>4</sup> Currently, approximately 3,700 telephony and data subscribers are active on the network in the area. This does not include U.S. military or allied troops who are also actively using Iridium's network as they move into the area to help with relief efforts. Additionally, as rescue and relief efforts continue, Iridium expects call

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<sup>3</sup> See International Atomic Energy Agency, IAEA, Update on Japan Earthquake, at <http://www.iaea.org/newscenter/news/tsunamiupdate01.html>. (reporting on explosions at the Fukushima Daiichi nuclear power plant and consequent population evacuations in the area); see also Keith Bradsher and Hiroko Tabuchi, *Workers Strain to Retake Control After Blast and Fire at Japan Plant*, NEW YORK TIMES (Mar. 15, 2011) at <http://www.nytimes.com/2011/03/16/world/asia/16nuclear.html?hp>.

<sup>4</sup> One hundred and two countries and fourteen international organizations have already offered help to Japan, with a number of countries and organizations sending military personnel and rescue teams to assist first responders in Japan. See Reuters, *Aid and Rescue Offers for Japan Quake*, at <http://www.reuters.com/article/2011/03/15/us-japan-quake-aid-factbox-idUSTRE72E6LM20110315>; see also Mary Beth Sheridan and Craig Whitlock, *U.S. Military, Aid Groups Prepare to Assist After Japan Quake*, Washington Post (Mar. 11, 2011) at <http://www.washingtonpost.com/wp-dyn/content/article/2011/03/11/AR2011031105825.html>. A large number of non-governmental organizations have also sent rescue workers to Japan. See Cody Switzer, *Responses from Charities to the Japan Earthquake and Pacific Tsunami*, The Chronicle of Philanthropy, News, (Mar. 11, 2011) at <http://philanthropy.com/article/Many-US-Charities-Waiting/126706/#>.





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volumes to remain extraordinarily high for the region. Indeed, Iridium has recently shipped approximately 3,000 additional handsets to service providers, most of which will be delivered directly to Japan and could become active within the next twenty-four hours.

Continued temporary access to the additional 1.775 MHz of spectrum will enable the Iridium satellites to use the full 10.5 MHz for which they were designed and thus best ensure the availability of reliable communications in Japan. Without this additional spectrum, Iridium expects that its network quickly would reach maximum congestion, potentially causing the satellites to be overloaded and calls to be dropped.

Iridium has complied and will continue to comply with all conditions of the original grant of STA. In addition, Iridium has coordinated the filing of this STA extension request with Globalstar, and Globalstar has indicated that it has no objection to grant of this request.

Please direct any questions regarding this matter to Donna Bethea Murphy of Iridium or the undersigned.

Sincerely,

*/s/ Jennifer D. Hindin*

Jennifer D. Hindin  
*Counsel to Iridium Satellite LLC*

cc: L. Barbee Ponder IV (Globalstar, Inc.)  
Bob Nelson  
Karl Kensinger  
Cassandra Thomas  
Kathryn Medley  
Stephen Duall