

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
STA request for use of a 2.4 meter C-band T/R prior to License grant

**1. Applicant**

<b>Name:</b>	Telesat	<b>Phone Number:</b>	6137488700
<b>DBA Name:</b>		<b>Fax Number:</b>	6137488712
<b>Street:</b>	1601 Telesat Court	<b>E-Mail:</b>	RThommes@telesat.com
<b>City:</b>	Gloucester	<b>State:</b>	
<b>Country:</b>		<b>Zipcode:</b>	-
<b>Attention:</b>	Richard Thommes		

**2. Contact**

<b>Name:</b>	Richard Thommes	<b>Phone Number:</b>	6137488700
<b>Company:</b>	Telesat	<b>Fax Number:</b>	6137488712
<b>Street:</b>	1601 Telesat Court	<b>E-Mail:</b>	RThommes@telesat.com
<b>City:</b>	Gloucester	<b>State:</b>	
<b>Country:</b>	USA	<b>Zipcode:</b>	-
<b>Attention:</b>		<b>Relationship:</b>	

(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 SESLIC2009103001402 or Submission ID

4a. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).  
 Governmental Entity     Noncommercial educational licensee  
 Other (please explain):

4b. Fee Classification    CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant                       Change Station Location                       Other

6. Requested Use Prior Date  
01/24/2010

7. City Mauna Kea

8. Latitude  
(dd mm ss.s h) 19 45 38.6 N

9. State HI	10. Longitude (dd mm ss.s h) 155 28 3.6 W
11. Please supply any need attachments. Attachment 1: Coordination report                      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;">STA for use prior to License grant of a 2.4 meter C-band T/R earth station that will support the Communications Research Centre Canada project involving the Mauna Kea Volcano in Hawaii. Sensor readings and other data taken at the site of the volcano are to be transmitted to the Shirley Bay reasearch facility in Ottawa, Ontario, Canada via ANIK F3.</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 Richard Thommes	15. Title of Person Signing Communications Systems Engineer
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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## **12. Description**

STA for use prior to License grant of a 2.4 meter C-band T/R earth station that will support the Communications Research Centre Canada project involving the Mauna Kea Volcano in Hawaii. Sensor readings and other data taken at the site of the volcano are to be transmitted to the Shirley Bay reasearch facility in Ottawa, Ontario, Canada via ANIK F3. The uplink site is to be installed on property administered by the State of Hawaii and their Department of Land and Natural Resources (DLNR). The original license request was filed on 10/30/2009 and it is critical for the support of this project to have the proposed earth station operational by 01/24/10.