

File # SAT-STA-20110422-00074

Call Sign S2129 Grant Date 05/19/11  
(or other identifier)

Term Dates period of  
From 05/21/11 To: 60 days

Approved by OMB  
3060-0678

Approved: *Stephen J. Duall*  
Stephen J. Duall  
Chief, Satellite Policy Branch

IBFS File No. SAT-MOD-20101122-00243

Date & Time Filed: Apr 22 2011 4:30:22:933PM  
File Number: SAT-STA-20110422-00074  
Callsign:



FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
QuickBird STA for 482 km Orbit

1. Applicant

<b>Name:</b>	DG Consents Sub, Inc.	<b>Phone Number:</b>	303-682-3800
<b>DBA Name:</b>		<b>Fax Number:</b>	303-684-4340
<b>Street:</b>	1601 Dry Creek Drive	<b>E-Mail:</b>	scedars@digitalglobe.com
<b>City:</b>	Longmont	<b>State:</b>	CO
<b>Country:</b>	USA	<b>Zipcode:</b>	80503 -
<b>Attention:</b>	Mr. Seth Cedars		

S2129 SAT-STA-20110422-00074 IB2011001182  
DG Consents Sub, Inc.  
QuickBird

<b>2. Contact</b>	
<b>Name:</b>	Stephen D. Baruch
<b>Company:</b>	Lerman Senter PLLC
<b>Street:</b>	2000 K Street, NW Suite 600
<b>City:</b>	Washington
<b>Country:</b>	USA
<b>Attention:</b>	
<b>Phone Number:</b>	202-416-6782
<b>Fax Number:</b>	202-429-4626
<b>E-Mail:</b>	sbaruch@lermansenter.com
<b>State:</b>	DC
<b>Zipcode:</b>	20006
<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 SATMOD2010112200243 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 482 kilometers	
7. Requested Extended Expiration Date	

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.)

Request 60-day STA to operate QuickBird satellite at orbit altitude of 482 kilometers pending submission of, and action on, amendment to modification of license application in File No. SAT-MOD-20101122-00243. See Exhibit A

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"; for these purposes.

Yes  No

10. Name of Person Signing  
Yancey L. Spruill

11. Title of Person Signing  
Treasurer

12. Please supply any need attachments.

Attachment 1: Exhibit A

Attachment 2:

Attachment 3:

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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**EXHIBIT A**  
**DG Consents Sub, Inc.**  
**Request for STA**  
**April 22, 2011**

**Narrative Description**

DG Consents Sub, Inc. (“DigitalGlobe”) hereby requests special temporary authority (“STA”), to operate its QuickBird satellite at an orbit altitude of 482 kilometers for 60 days, pending submission of and Commission action on a forthcoming amendment to its pending modification of license application in File No. SAT-MOD-20101122-00243 (“Modification Application”). DigitalGlobe currently has authority to increase the orbit altitude of the QuickBird satellite from 450 kilometers to 496 kilometers under a 60-day STA prior to grant of the Modification Application. *See* File No. SAT-STA-20110318-00057 (granted March 21, 2011) (“March STA”). The STA DigitalGlobe proposes here, which is intended to replace the March STA, is needed because the QuickBird satellite depleted its maneuvering fuel during the orbit raise that commenced under the March STA, and will not be able to be increased in altitude above its current orbit altitude of 482 kilometers. DigitalGlobe is preparing an amendment to the Modification Application to propose operation at the new orbit altitude through the anticipated end of QuickBird’s operational mission in 2014.

The forthcoming amendment to the Modification Application will provide the details of operation at the new orbit altitude, along with information requested by the Commission regarding the extent, if any, to which DigitalGlobe intends to continue radio communication with the spacecraft during its descent to and through the atmosphere following completion of its mission.

The Modification Application was accepted for filing in December 2011, and the National Oceanographic and Atmospheric Administration (“NOAA”) took favorable action early last month under the applicable NOAA regulations on DigitalGlobe’s proposal for post-mission disposal of QuickBird in relation to the new orbit parameters. *See* Letter dated March 3, 2011, from Mary E. Kizca, Assistant Administrator for Satellite and Information Services, NOAA, to Alison Alfes, DigitalGlobe Inc., NOAA File: DG-2010-A15. With the change in QuickBird’s operational altitude that resulted from the depletion of maneuvering fuel, DigitalGlobe requires further NOAA consideration of its post-mission disposal plans for QuickBird, and is coordinating with NOAA.

Operation of QuickBird under the STA proposed here will be on a non-harmful interference basis and at DigitalGlobe’s own risk. DigitalGlobe emphasizes that the risk of interference continues to be lower at 482 kilometers than it was at the currently-licensed altitude of 450 kilometers. Because the current power levels from the spacecraft will be maintained but from a higher altitude, there will be a reduction in power flux density levels on the Earth’s surface from levels that already meet the international limits established for the 8025-8400 MHz band. All other parameters of the authorized, in-orbit satellite are unchanged. To the extent applicable, DigitalGlobe incorporates by reference all of the technical showings it made in the Modification Application (both on Form 312, Schedule S and in Exhibit 43), and confirms that

operation under this STA will not vary from what it proposed there (other than for the orbit altitude).

The public interest will be advanced by extension of the life of QuickBird and continued provision of the services that DigitalGlobe has provided over QuickBird since 2001.

For these reasons, DigitalGlobe respectfully requests special temporary authority to operate QuickBird at its new altitude of 482 kilometers pending amendment of, and action upon, the Modification Application in File No. SAT-MOD-20101122-00243. DigitalGlobe requests action on or before May 21, 2011 (the expiration date of the March STA), and asks that the STA requested here replace the March STA and run until the earlier of 60 days or when the Modification Application is granted.