

S2751 SAT-STA-20110519-00091 IE2011001438
Intelsat New Dawn Company, Ltd.
NEW DAWN

Date & Time Filed: May 19 2011 2:46:57:490PM
File Number: SAT-STA-20110519-00091
Callsign:

File # SAT-STA-20110519-00091
Call Sign S2751 Grant Date 05/27/11
(or other identifier) Term Dates period of
From 05/28/11 To: 30 days

Approved by OMB
3060-0678

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



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:
Request for Special Temporary Authority for New Dawn (Call Sign S2751)

1. Applicant

Name:	Intelsat New Dawn Company, Ltd.	Phone Number:	202-944-7848
DBA Name:		Fax Number:	
Street:	c/o Intelsat Corporation, 3400 International Drive, N.W.	E-Mail:	susan.crandall@intelsat.com
City:	Washington	State:	
Country:	USA	Zipcode:	-
Attention:	Susan H Crandall		

Attachment to Grant
Application of Intelsat New Dawn, Ltd. for Special Temporary Authority
IBFS File No. SAT-STA-20110519-00091

The application of Intelsat New Dawn, Ltd. (Intelsat New Dawn) for special temporary authority, IBFS File No. SAT-STA-20110519-00091, to operate the Intelsat New Dawn space station (Call Sign S2751) at the 32.85° E.L. orbital location for a period of 30 days, commencing on May 28, 2011, is granted. Accordingly, Intelsat New Dawn is authorized to operate the communications payload on Intelsat New Dawn at the 32.85° E.L. orbital location in the following frequency bands: 3625-4200 MHz (space-to-Earth), 5850-6500 MHz (Earth-to-space), 10950-11200 MHz and 11450-11700 MHz (space-to-Earth), and 14000-14500 MHz (Earth-to-space), both during the drift from 32.85° E.L. to 32.8° E.L. and once the space station arrives at 32.8° E.L. Additionally, Intelsat New Dawn is authorized to operate Telemetry, Tracking, and Telecommand (TT&C) on Intelsat New Dawn both to maintain the space station at the 32.85° E.L. orbital location during transfer of traffic from Galaxy 11 to Intelsat New Dawn, and then to effect New Dawn's drift to its authorized location of 32.8° E.L. at the completion of traffic transfer, using the following center frequencies: 3947.5 MHz, 3950 MHz, 3952.5 MHz, 11.198 GHz, and 11.452 GHz (space-to-Earth); 6173.7 MHz and 6176.3 MHz (Earth-to-space). This authorization is granted subject to the technical parameters specified in Intelsat New Dawn's application, the rules of the Federal Communication Commission (Commission), and the following conditions.

1. All operations shall be on an unprotected and non-harmful interference basis, *i.e.*, Intelsat New Dawn shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radiocommunication system.
2. In the event of any harmful interference as a result of the operations of Intelsat New Dawn at the 32.85° E.L. orbital location or during its drift to the 32.8° E.L. orbital location, Intelsat New Dawn shall cease operations immediately upon notification of such interference and shall inform the Commission immediately, in writing, of such an event.
3. Intelsat New Dawn shall coordinate the operations of Intelsat New Dawn with existing geostationary satellites to ensure that no unacceptable interference results from its operations at the 32.85° E.L. orbital location.
4. During this 30-day period, Intelsat New Dawn shall maintain the Intelsat New Dawn space station within an east/west longitudinal station-keeping tolerance of ± 0.05 degrees of the 32.85° E.L. orbital location.
5. Intelsat New Dawn is afforded 30 days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
6. This action 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. Petitions for reconsideration under Section 1.106 or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the date of the public notice indicating that this action was taken.



*with conditions

File # SAT-STA-20110519-00091

Call Sign S2751 **Grant Date** 05/27/11

(or other identifier)

Term Dates period of
From 05/28/11 **To:** 30 days

Approved:

Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

2. Contact			
Name:	Susan H Crandall	Phone Number:	202-944-7848
Company:	Intelsat Corporation	Fax Number:	202-944-7870
Street:	3400 International Drive, N.W.	E-Mail:	susan.crandall@intelsat.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 -3006
Attention:	Susan H. Crandall	Relationship:	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 CRY - Space Station (Geostationary)			
5. Type Request			
<input checked="" type="radio"/> Change Station Location		<input type="radio"/> Extend Expiration Date <input type="radio"/> Other	
6. Temporary Orbit Location 32.85 E.L.		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>Intelsat New Dawn Company, Ltd. herein requests a grant of Special Temporary Authority for 30 days, from May 28, 2011 through June 26, 2011, to temporarily operate its New Dawn satellite (call sign S2751) at 32.85 E.L. in the bands 3625-4200 MHz (downlink), 5850-6500 MHz (uplink), 10950-11200 MHz and 11450-11700 MHz (downlink), and 14000-14500 MHz (uplink)</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"; for these purposes.</p> <p style="text-align: center;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p>							
<p>10. Name of Person Signing Susan H. Crandall</p>	<p>11. Title of Person Signing Asst. General Counsel, Intelsat Corporation</p>						
<p>12. Please supply any need attachments.</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Attachment 1: STA Request</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td> </td> <td>Attachment 3:</td> </tr> <tr> <td> </td> <td> </td> </tr> </table>		Attachment 1: STA Request	Attachment 2:		Attachment 3:		
Attachment 1: STA Request	Attachment 2:						
	Attachment 3:						
<p style="text-align: center;">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).</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. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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

Intelsat New Dawn Company, Ltd. herein requests a grant of Special Temporary Authority for 30 days, from May 28, 2011 through June 26, 2011, to temporarily operate its New Dawn satellite (call sign S2751) at 32.85 E.L. in the bands 3625-4200 MHz (downlink), 5850-6500 MHz (uplink), 10950-11200 MHz and 11450-11700 MHz (downlink), and 14000-14500 MHz (uplink) during traffic transition and subsequently to drift the satellite to its permanent location of 32.8 E.L.

May 19, 2011

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554



Re: Request for Special Temporary Authority for New Dawn; Call Sign:
S2751

Dear Ms. Dortch:

Intelsat New Dawn Company, Ltd. ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")¹ for 30 days, from May 28, 2011 through June 26, 2011, to temporarily operate its New Dawn satellite (call sign S2751) at 32.85° E.L. in the bands 3625-4200 MHz (downlink), 5850-6500 MHz (uplink), 10950-11200 MHz and 11450-11700 MHz (downlink), and 14000-14500 MHz (uplink) during traffic transition and subsequently to drift the satellite to its permanent location of 32.8° E.L.² New Dawn currently is undergoing in-orbit testing at 23.1° E.L.³ but expects to begin drifting to 32.85° E.L. shortly. Intelsat seeks this STA in order to ensure safe station-keeping of New Dawn and Galaxy 11 during traffic transition, as explained more fully below.

New Dawn was launched on April 22, 2011. Shortly thereafter, Intelsat determined that the satellite's west antenna reflector had not successfully deployed. As a result, two of the satellite's thrusters currently are not useable, which has resulted in some uncertainty regarding the satellite's maneuver performance. Accordingly, during traffic transition from Galaxy 11, which currently is located at 32.8° E.L.,⁴ Intelsat plans to employ a more conservative separation strategy, including separating the two satellites slightly in longitude to allow for uncertainties in the maneuvers.

¹ Intelsat has filed this STA request, an FCC Form 159 and an \$830.00 filing fee electronically via the International Bureau's Filing System.

² See *Policy Branch Information; Actions Taken*, Report No. SAT-00574, File No. SAT-LOA-20080509-00101 (Jan. 16, 2009) (Public Notice); *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00752, File No. SAT-MOD-20101029-00228 (Jan. 21, 2011) (Public Notice). During the drift from 32.85° E.L. to 32.8° E.L., the satellite's communications payload will be operated.

³ See *Policy Branch Information; Actions Taken*, Report No. SAT-00776, File No. SAT-STA-20110302-00045 (Apr. 29, 2011) (Public Notice).

⁴ See *Policy Branch Information; Actions Taken*, Report No. SAT-00541, File No. SAT-MOD-20080225-00051 (July 25, 2008) (Public Notice).

Ms. Marlene H. Dortch
May 19, 2011
Page 2

Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collision with large debris or other operational space stations while temporarily located at 32.85° E.L. With the exception of Galaxy 11, New Dawn will not be located at the same orbital location as another satellite or at an orbital location that has an overlapping station-keeping volume with another satellite.⁵ Further, Intelsat is not aware of any other FCC licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with New Dawn. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with New Dawn that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

The Commission may grant a request for STA when there are extraordinary circumstances requiring temporary operations in the public interest.⁶ Due to the uncertainty regarding New Dawn's maneuver performance, temporary operation of the satellite at 32.85° E.L. is a critical step in ensuring the safe station-keeping of New Dawn and Galaxy 11 while traffic transition occurs. This, in turn, will ensure continuity of service to customers at the 32.8° E.L. location, and thereby promotes the public interest.

For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this request.

Sincerely,



Susan H. Crandall
Assistant General Counsel

Intelsat Corporation

cc: Robert Nelson
Karl Kensinger
Kathryn Medley
Stephen Duall

⁵ Following traffic transition, Galaxy 11 will be relocated to 55.5° W.L. See *Policy Branch Information*, Report No. SAT-00764, File No. SAT-MOD-20101102-00229 (Mar. 11, 2011) (Public Notice).

⁶ See 47 C.F.R. § 25.120(b).