

File # SAT-STA-20090220-00028

February 20, 2009



Call Sign S2469 Grant Date 02/20/09
(or other identifier)

Term Dates period of
From 02/20/09 To: 30 days

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

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

* subject to conditions

Re: Request for Amendment of Special Temporary Authority for Galaxy 26
Call Sign: S2469



Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests amendment of the Special Temporary Authority ("STA")¹ recently granted to Intelsat to drift Galaxy 26 from 93.0° W.L. to 50.75° E.L. to satisfy a U.S. Government customer's urgent request for capacity in the Indian Ocean region.² Specifically, Intelsat seeks to add ranging frequencies and revise the command frequency in the STA.

Intelsat seeks the addition of the following frequency pairs, which are used for ranging on Galaxy 26:

- 5985 MHz (HD) (Earth to space) 3760 MHz (V) (space to Earth)
- 6170 MHz (HD) (Earth to space) 3945 MHz (V) (space to Earth)
- 6315 MHz (V) (Earth to space) 4090 MHz (HD) (space to Earth)

In addition, Intelsat seeks to have condition #3 of the STA amended to allow Intelsat to conduct ranging in these frequencies in the satellite's communications payload.

Intelsat seeks to replace the 6415.5 MHz (H) command frequency in the STA with:

- 5926.5 MHz (V) (primary) and
- 6411 MHz (HD) (back-up)

¹ Intelsat has filed this STA request, an FCC Form 159 and a \$790.00 filing fee electronically via the International Bureau's Filing System.
² See File No. SAT-STA-20090212-00022 (stamp grant issued by Stephen J. Duall on Feb. 19, 2009, with conditions).

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The telemetry frequencies in the STA -- 4196.5 MHz and 4199.5 MHz (V)-- remain unchanged, as do the term dates.

Grant of this STA amendment is in the public interest because it will allow Intelsat to satisfy an urgent request by a U.S. Government customer for capacity in the Indian Ocean region. As explained in the initial STA request, the recent failure of a commercial satellite has left the U.S. Government customer without capacity it had reserved to handle traffic that will need to be offloaded from another satellite by March 20, 2009.

Grant of this STA amendment will not result in increased risk of harmful interference. As noted in the initial STA request, Intelsat will coordinate its TT&C transmissions with operators of satellites in the drift path and will operate only in the stated command, telemetry and ranging frequencies listed above during the drift. Should any interference occur during the drift, Intelsat will take all reasonable steps to eliminate such interference. Other than the ranging frequencies listed above, Intelsat will not operate the communications payload on Galaxy 26 at 50.75° E.L. until it has received FCC authorization to do so.

Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collisions with large debris or other operational space stations. Galaxy 26 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. 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 Galaxy 26 at 50.75° E.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Galaxy 26 that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

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For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this request to amend its existing STA to drift Galaxy 26 to 50.75° E.L.

Sincerely,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Bob Nelson
Kathryn Medley
Stephen Duall

Attachment
File No. SAT-STA-20090220-00028
Call Sign S2469
February 20, 2009

The request of Intelsat North America LLC (Intelsat), IBFS File No.

SAT-STA-20090220-00028, is GRANTED. Accordingly, Intelsat is authorized, for a period of 30 days commencing on February 20, 2009, to conduct Telemetry, Tracking, and Command operations with the Galaxy 26 space station (Call Sign: S2469) in order to effect the drift of the Galaxy 26 space station from the 93.0° W.L. orbital location to the 50.75° E.L. orbital location using the following frequencies:

- Telemetry: 4196.5 MHz or 4199.5 MHz (vertical polarization/space-to-Earth)
- Ranging:
 - 5985 MHz, (horizontal polarization/Earth-to-space)/3760 MHz (vertical polarization/space-to-Earth)
 - 6170 MHz (horizontal polarization/Earth-to-space)/3945 MHz (vertical polarization/space-to-Earth)
 - 6315 MHz (vertical polarization/Earth-to-space)/4090 MHz (horizontal polarization/space-to-Earth)
- Command: 5926.5 MHz (vertical polarization/Earth-to-space) or 6411 MHz (horizontal polarization/Earth-to-space)

These operations are authorized in accordance with the technical specifications set forth in Intelsat's application, the Commission's rules, and the following conditions:

1. All operations during the drift shall be on an unprotected and non-harmful interference basis, *i.e.*, Intelsat shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station.
2. In the event of any harmful interference during Galaxy 26's drift to the 50.75° E.L. orbital location, Intelsat shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event.
3. During the drift to the 50.75° E.L. orbital location, Intelsat may not operate Galaxy 26's communications payload, except to conduct ranging operations in the frequency pairings listed above.
4. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding permanent operations of the Galaxy 26 space station at the 50.75° E.L. orbital location.
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.



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