

**EXHIBIT 1**  
**REQUEST FOR SPECIAL TEMPORARY AUTHORITY**

DIRECTV Enterprises, LLC (“DIRECTV”) respectfully requests a grant of special temporary authority (“STA”)<sup>1</sup> for 30 days commencing September 4, 2018 to drift its T15 satellite (Call Sign S2930) from its current location at 102.75° W.L. to 100.85° W.L. and to operate the satellite at 100.85° W.L.

T15 is currently located at its permanently licensed orbital location of 102.75° W.L.<sup>2</sup> DIRECTV plans to relocate the satellite to 100.85° W.L. to fill a temporary business need for additional Ku-band DBS (12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space)) capacity at the nominal 101° W.L. orbital location. The drift is scheduled to begin on September 4, 2018 and is expected to last approximately ten days. Once relocated, T15 will initially be collocated with DIRECTV’s T8 satellite (Call Sign S2632) at 100.85° W.L.<sup>3</sup> DIRECTV plans to file a separate STA request to relocate T8 to 100.75° W.L. once T15 is relocated to 100.85° W.L. and traffic is transferred from T8 to T15. DIRECTV also intends to file an additional, 180-day STA request to continue operating T15 at 100.85° W.L. until the satellite returns to its permanently licensed orbital location.<sup>4</sup>

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<sup>1</sup> DIRECTV has filed this STA request, an FCC Form 159, and a \$945.00 filing fee electronically via the International Bureau’s Filing System.

<sup>2</sup> See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01086, File No. SAT-LOA-20140825-00094 (May 22, 2015); *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01084, File No. SAT-MOD-20140612-00066 (May 15, 2015). T15’s 17/24 GHz BSS band payload was originally authorized under Call Sign S2712, which was consolidated with Call Sign S2930 in September 2017.

<sup>3</sup> See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01088, File No. SAT-MOD-20150304-00009 (May 29, 2015); *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-00431, File Nos. SAT-AMD-20070111-00010, SAT-MOD-20061213-00151 (Mar. 30, 2007). T8’s Ka-band payload was originally authorized under Call Sign S2132, which was consolidated with Call Sign S2632 in September 2017.

<sup>4</sup> DIRECTV currently anticipates returning T15 to the nominal 103° W.L. orbital location in 2019 based on business needs.

During the drift of T15 from 102.75° W.L. to 100.85° W.L., DIRECTV will utilize only the satellite's telemetry, tracking, and control ("TT&C") frequencies and will follow industry practices for coordinating TT&C transmission during the relocation process. The specific TT&C frequencies are as follows:

- 29502.5 MHz and 29505.9 MHz (T); and
- 20198.5 MHz and 20199.5 MHz (R).

Once relocated to 100.85° W.L., DIRECTV seeks authority to operate on the Ku-DBS communications frequencies (12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space)). At the nominal 101° W.L. orbital location, DIRECTV will provide DBS service using 12/17 GHz DBS frequency bands already assigned to DIRECTV for use at the location on DIRECTV's T8, T9S (Call Sign S2669), and T4S (Call Sign S2430) satellites. As such, this application for special temporary authority does not implicate the Commission's freeze on new DBS applications.<sup>5</sup>

Grant of this STA will not result in increased risk of harmful interference. As noted above, DIRECTV will operate only the above-listed TT&C frequencies during the drift and will coordinate its TT&C transmissions with operators of satellites in the drift path. In the unlikely event that any interference should occur during the drift, DIRECTV will take all reasonable steps to eliminate such interference. Once on station at 100.85° W.L., DIRECTV will operate the communications payload in conformance with FCC rules and any relevant coordination

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<sup>5</sup> See *Direct Broadcast Satellite (DBS) Service Auction Nullified: Commission Sets Forth Refund Procedures for Auction No. 52 Winning Bidders and Adopts a Freeze on All New DBS Service Applications*, Public Notice, 20 FCC Rcd 20618 (2005) (clarifying that "[t]he freeze does not apply to applications for replacement satellites, modifications to existing satellite licenses, or requests for special temporary authority, unless such applications seek authority to operate on frequencies and/or orbital locations *not previously authorized for operation by that licensee*") (emphasis added).

agreements. DIRECTV has previously provided technical information for T15's Ku-DBS payload and incorporates such information by reference here.<sup>6</sup>

DIRECTV 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. Apart from the satellite's temporary colocation with DIRECTV's T8 satellite, which DIRECTV will manage internally to ensure safe-stationkeeping, T15 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. DIRECTV 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 T15 at 100.85° W.L. DIRECTV is also not aware of any other system with an overlapping station-keeping volume with T15 that is the subject of an ITU filing that is either in orbit or progressing towards launch.

Grant of this STA request will serve the public interest because it will extend coverage, improve service performance, and provide additional capacity to customers at the nominal 101° W.L. orbital location. Accordingly, DIRECTV respectfully requests that the Commission grant this request.

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<sup>6</sup> See *Application of DIRECTV Enterprises, LLC For Authorization to Launch and Operate DIRECTV 15 at 103° W.L.*, File No. SAT-LOA-20140825-00094 (granted May 20, 2015).