

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

DIRECTV Enterprises, LLC (“DIRECTV”) respectfully requests an extension of its grant of special temporary authority (“STA”)<sup>1</sup> for an additional 30 days commencing October 4, 2018 to operate its T15 satellite (Call Sign S2930) at the 100.85° W.L. orbital location. Pursuant to Section 1.62 of the Commission’s rules, DIRECTV will continue to operate T15 at 100.85° W.L. pursuant to the terms and conditions of its existing STA pending action on this timely filed renewal request.<sup>2</sup>

T15 is permanently licensed to operate at 102.75° W.L.<sup>3</sup> On August 28, 2018, the Commission granted DIRECTV’s 30-day STA request to drift T15 from 102.75° W.L. to 100.85° W.L. and to operate the satellite at 100.85° W.L.<sup>4</sup> On August 30, 2018, DIRECTV filed a 180-day STA request to continue operating T15 at 100.85° W.L. until the satellite returns to its permanently licensed orbital location.<sup>5</sup> As explained in those applications, DIRECTV is relocating T15 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 began on September 5, 2018 and was completed on September 13, 2018. T15 will initially be collocated with DIRECTV’s T8 satellite (Call Sign

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<sup>1</sup> DIRECTV has filed this STA request, an FCC Form 159, and a \$980.00 filing fee electronically via the International Bureau’s Filing System.

<sup>2</sup> See 47 C.F.R. § 1.62.

<sup>3</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>4</sup> See *30-Day STA Request to Relocate T15 (Call Sign S2930) to 101 WL*, File No. SAT-STA-20180817-00063 (stamp grant Aug. 28, 2018).

<sup>5</sup> See *Policy Branch Information; Space Station Applications Accepted for Filing*, Report No. SAT-01344, File No. SAT-STA-20180830-00064 (Sept. 14, 2018). DIRECTV currently anticipates returning T15 to the nominal 103° W.L. orbital location in 2019 based on business needs.

S2632) at 100.85° W.L.<sup>6</sup> On September 21, 2018, DIRECTV filed a separate STA request to relocate T8 to 100.75° W.L. once traffic is transferred from T8 to T15.<sup>7</sup> In accordance with these objectives, DIRECTV respectfully submits this STA request to continue operating T15 at 100.85° W.L. for an additional 30-day period beginning October 4, 2018 while DIRECTV's 180-day STA request for T15 remains pending before the Commission.

At 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>8</sup>

While T15 is located at the nominal 101° W.L. orbital location, DIRECTV also seeks authority to provide telemetry, tracking, and control ("TT&C"). 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).

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<sup>6</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>7</sup> See *30-Day STA Request to Relocate T8 (Call Sign S2632)*, File No. SAT-STA-20180921-00074.

<sup>8</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).

Grant of this STA will not result in increased risk of harmful interference. DIRECTV will operate the communications payload at 100.85° W.L. in conformance with FCC rules and any relevant coordination agreements. DIRECTV has previously provided technical information for T15's Ku-DBS payload and incorporates such information by reference here.<sup>9</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 collocation 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>9</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).