

EXHIBIT 1
REQUEST FOR SPECIAL TEMPORARY AUTHORITY

DIRECTV Enterprises, LLC (“DIRECTV”) respectfully requests a grant of special temporary authority (“STA”)¹ for 180 days commencing November 1, 2018 to operate its T8 satellite (Call Sign S2632) at the 100.75° W.L. orbital location.

T8 is currently located at its permanently licensed orbital location of 100.85° W.L.² On August 28, 2018, the Commission granted DIRECTV’s 30-day STA request to drift its T15 satellite (Call Sign S2930) from its permanently licensed location of 102.75° W.L. to 100.85° W.L. and to operate the satellite at 100.85° W.L.³ On August 30, 2018, DIRECTV filed a 180-day STA request to continue operating T15 at the 100.85° W.L. orbital location.⁴ 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 T15 drift began on September 5, 2018 and was completed on September 13, 2018. T15 will initially be collocated with T8 at 100.85° W.L. DIRECTV plans to relocate T8 to 100.75° W.L. and operate the space station as an in-orbit backup satellite once traffic is transferred from T8 to T15. The T8 drift is scheduled to begin on or about October 2, 2018 and is expected to last approximately eight days. On September 27, 2018, the Commission granted DIRECTV’s 30-day request for special temporary

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

² 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.

³ 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).

⁴ See *180-Day STA Request to Relocate T15 (Call Sign S2930) to 101 WL*, File No. SAT-STA-20180830-00064.

authority commencing October 2, 2018 to drift T8 from 100.85° W.L. to 100.75° W.L. and to operate the satellite at 100.75° W.L.⁵ DIRECTV respectfully submits this 180-day STA request to continue operating T8 at 100.75° W.L. following the expiration of its 30-day grant of special temporary authority until the satellite returns to its permanently licensed orbital location.⁶

While T8 is located at 100.75° W.L., DIRECTV will provide telemetry, tracking, and control (“TT&C”) using the following frequencies:

- 17307.00 MHz (Earth-to-space); and
- 12203.25 MHz and 12203.75 MHz (space-to-Earth).

Grant of this STA will not result in increased risk of harmful interference. Once on station at 100.75° W.L., DIRECTV will operate the communications payload in conformance with FCC rules and any relevant coordination agreements.

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. T8 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 T8 at 100.75° W.L. DIRECTV is also not aware of any other system with an overlapping station-keeping volume with T8 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°

⁵ See *30-Day STA Request to Relocate T8 (Call Sign S2632)*, File No. SAT-STA-20180921-00074 (granted Sept. 27, 2018).

⁶ DIRECTV currently anticipates returning T8 to the 100.85° W.L. orbital location in 2019 based on business needs.

W.L. orbital location. Accordingly, DIRECTV respectfully requests that the Commission grant this request.