

EXHIBIT 1
REQUEST FOR SPECIAL TEMPORARY AUTHORITY

DIRECTV Enterprises, LLC (“DIRECTV”) respectfully requests a grant of special temporary authority (“STA”) for 60 days commencing September 1, 2020 to drift its T8 satellite (Call Sign S2632) from its current location at 100.75° W.L. to 119.05° W.L. and to operate the satellite at 119.05° W.L. DIRECTV is simultaneously filing a space station modification application to permanently relocate T8 to 119.05° W.L.¹

T8 is permanently authorized to operate at 100.85° W.L.² but is currently operating at 100.75° W.L. pursuant to special temporary authority.³ As described in greater detail in DIRECTV’s space station modification application filed concurrently with this STA request, DIRECTV plans to relocate T8 to 119.05° W.L. to accommodate the deorbiting of DIRECTV’s T7S satellite (Call Sign S2455) later this year.⁴ Upon grant of FCC authority, DIRECTV expects to begin drifting T8 to 119.05° W.L. as early as September 1, 2020. The drift period is expected to last approximately 45 days.

Once relocated to 119.05° W.L., DIRECTV seeks authority to provide Direct Broadcast Satellite (“DBS”) service in the same 12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-

¹ See File No. SAT-MOD-20200810-00094 (filed Aug. 10, 2020).

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 *Satellite Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01440, File No. SAT-STA-20191120-00136 (Jan. 17, 2020); *DIRECTV Enterprises, LLC, 60-Day STA Extension Request to Operate T8 (Call Sign S2632) at 100.75 WL*, File No. SAT-STA-20200629-00083 (filed June 29, 2020).

⁴ DIRECTV will separately file a timely notification regarding the completion of the T7S end-of-life maneuvers in accordance with its authorization. See *D7S Extension Application*, Stamp Grant, Call Sign S2455, File No. SAT-MOD-20140127-00010, Condition 2 (Apr. 24, 2014).

to-space) frequency bands already licensed to T8 at the 100.85° W.L. orbital location.⁵ The relocation of T8 to 119.05° W.L. will enable the transfer of DBS services from T7S, which is currently operating at 119.05° W.L.,⁶ to T8. Once the traffic transfer operations have been successfully completed, DIRECTV will commence deorbiting maneuvers for T7S, and T8 will continue operating from the nominal 119° W.L. orbital location.

During the drift of T8, DIRECTV will utilize only the satellite's telemetry, tracking, and command ("TT&C") frequencies and will follow industry practices for coordinating TT&C transmission during the relocation process. T8's specific TT&C frequencies are as follows:

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

Grant of this STA request 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 119.05° W.L., DIRECTV will operate the communications payload in conformance with FCC rules and any relevant coordination agreements.

⁵ See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01088, File No. SAT-MOD-20150304-00009 (May 29, 2015). While T8 is also authorized to provide FSS in the 18.3-18.8 GHz and 19.7-20.2 GHz (space-to-earth) and 28.35-28.6 GHz and 29.25-30.0 GHz (Earth-to-space) Ka-band frequencies at 100.85° W.L., DIRECTV does not seek authority to operate these frequencies at the 119.05° W.L. orbital location at this time.

⁶ See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01011, File No. SAT-MOD-20140127-00010 (Apr. 25, 2014).

DIRECTV has assessed and limited the probability of the space station becoming a source of debris in accordance with 47 C.F.R. § 25.114(d)(14)(iii). Apart from the satellite's temporary collocation with DIRECTV's T7S satellite, which DIRECTV will manage internally to ensure safe station-keeping, 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 119.05° 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 by ensuring availability of DBS services from the 119.05° W.L orbital location. Accordingly, DIRECTV respectfully requests that the Commission grant this request.