

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

DIRECTV Enterprises, LLC (“DIRECTV”) respectfully requests a grant of earth station special temporary authority (“STA”)<sup>1</sup> for 30 days to operate its Castle Rock, Colorado earth station (Call Sign E070027) to support in-orbit testing (“IOT”) of the T16 satellite (Call Sign S3039) at 134.75° W.L. DIRECTV requests that this special temporary authority commence upon arrival of T16 at 134.75° W.L., which is currently anticipated to be on or about June 29, 2019—nine days after the satellite’s scheduled launch on June 20, 2019. The IOT period is expected to last approximately three weeks, and the subsequent drift to T16’s requested permanent orbital location of 100.85° W.L.<sup>2</sup> is expected to last approximately seven weeks.<sup>3</sup>

DIRECTV separately and simultaneously is requesting space station special temporary authority to conduct IOT of the T16 satellite at 134.75° W.L. to drift the satellite to its requested permanent location of 100.85° W.L.

The range of earth station frequencies requested to support IOT of the T16 satellite at 134.75° W.L. are the following:

FSS Ka-band

- 18.3-18.55 GHz, 18.55-18.59 GHz, and 19.7-20.2 GHz (space-to-Earth); and
- 28.35-28.6 GHz, 29.25-29.29 GHz, and 29.5-30.0 GHz (Earth-to-space).

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<sup>1</sup> DIRECTV has filed this STA request, an FCC Form 159, and a \$210.00 filing fee electronically via the International Bureau’s Filing System.

<sup>2</sup> Although T16 is currently authorized to operate at 102.70° W.L., DIRECTV has filed a modification application to change T16’s authorized orbital location from 102.70° W.L. to 100.85° W.L. *See Modification Application to Change T16 Orbital Location (S3039)*, File No. SAT-MOD-20190508-00036.

<sup>3</sup> DIRECTV intends to file STA extension requests to cover any testing that exceeds 30 days from T16’s arrival at 134.75° W.L.

BSS 17/24 GHz band

- 17.3-17.7 GHz (space-to-Earth); and
- 24.75-25.15 GHz (Earth-to-space).

The 24/7 emergency contact information is as follows: Steve Dulac at (310) 429-1624.

Grant of this earth station STA request is in the public interest because it will facilitate IOT of T16's payloads at 134.75° W.L., a critical step in ensuring that the satellite will be fully operational. Accordingly, DIRECTV respectfully requests that the Commission grant this request.