

Request for Special Temporary Authority

TerreStar Networks Inc. (“TerreStar”), pursuant to Section 25.120 of the Commission’s rules, hereby requests Special Temporary Authority (“STA”) for a period of 30 days, commencing on October 1, 2010, to operate its gateway earth station located in North Las Vegas, Nevada, Call Sign E070098, in the manner specified below.

Since the successful launch of the TerreStar-1 satellite in early July 2009, TerreStar has been testing and operating its system using both of its Ku-band gateway earth stations: one located at North Las Vegas, Nevada and the other one located at Allan Park, Ontario, Canada. The North Las Vegas (NLV) gateway station consists of a 9.3m Ku-band antenna and a 6.3m Ku-band antenna, plus other RF, IF, and baseband equipment. The station has been operated under the license granted by the Commission to TerreStar on November 13, 2008, plus a series of STA grants from the Commission in connection with in-orbit testing (“IOT”) of the satellite and the testing of ground based satellite beamforming network (“SBN”) as well as satellite base station equipment. These STAs, as extended from time to time, run through September 30, 2010.¹

Based on operational experience during the last year, TerreStar found it necessary to modify some of the parameters authorized by its NLV license. In particular, in order to achieve the required throughput under certain operational conditions, TerreStar determined it is necessary to operate certain carriers at higher maximum eirp levels, in some cases using a wider bandwidth. In a license modification application filed on August 5, 2010 (the “Modification Application”), TerreStar requested authority to implement these changes.²

It is unlikely that the Modification Application will be granted before the STA issued in connection with the IOT/SBN for TerreStar-1 expires on September 30.³ TerreStar, therefore, is filing this STA request seeking authority to operate on an interim basis in accordance with the parameters specified in the Modification Application.

¹ See FCC File Nos. SES-STA-20100709-00898 and SES-STA-20100709-00899.

² See FCC File No. SES-MOD-20100805-01001. The requested modifications fall into two categories. The first category consists of Command signal modifications for spacecraft control and Calibration signal modifications for the Ground Based Beam Forming (GBBF) network. The second category consists of modifications for the Ku-band traffic and control carriers.

³ The Modification Application was accepted for filing on August 18, 2010. See Report No. SES-01270. The 30-day public notice period, therefore, runs through September 17, 2010.

TerreStar's STA request is supported by good cause. Grant of the STA will enable TerreStar to operate with the required throughput while its Modification Application is pending. Accordingly, and for good cause shown, TerreStar respectfully requests that it be granted an STA for 30 days, commencing on October 1, 2010, to operate its gateway earth station in accordance with the parameters specified in the Modification Application.