

## **AMENDMENT TO APPLICATION**

### **File No. 1455-EX-ST-2019**

#### **Question 7 – Purpose of Experiment (Extension of Special Temporary Authorization, File No. 0439-EX-ST-2019 (Granted June 5, 2019))**

By this filing, we are amending our pending STA application (File No. 1455-EX-ST-2019) to request a two-month extension, *i.e.*, until November 1, 2019, rather than a one-month extension, of our existing authorization (File No. 0439-EX-ST-2019).

Pursuant to Part 5 of the Commission’s Rules (47 C.F.R. 5.61(c)), HawkEye 360, Inc. (“HE360”), on August 8<sup>th</sup>, 2019, submitted an application (File No. 1455-EX-ST-2019) requesting authority for a one month extension, *i.e.*, until October 1, 2019, of its existing special temporary authority (“STA”) (File No. 0439-EX-ST-2019, granted June 5, 2019). In the previously filed STA, the FCC approved HE360’s request until September 1, 2019 to communicate in certain frequencies in the S-band (space-to-Earth) from the Pathfinder experimental satellites to the HE360 Herndon, Virginia, ground station.

HE360 has been working to transition communications in the requested frequency bands to the Kongsberg Satellite Services (KSAT) ground station at Svalbard, Norway. We were on schedule to complete this transition by September 1, 2019. Unfortunately, there were unforeseen delays in the commissioning of KSAT’s ground station operations that have not allowed us to complete this transition by September 1, 2019.

HE360 and KSAT have had several successful UHF/S-Band full-duplex passes at Svalbard. However, there is a ground network problem between HE360’s server hosted at KSAT, and the Ettus n210 radio also hosted at KSAT Svalbard in a different building. HE360 and KSAT are working expeditiously to resolve this problem. We cannot estimate with certainty when this ground network will be resolved and cannot guarantee it will be resolved by October 1, 2019. For this reason, out of an abundance of caution, we are amending our STA extension application (File No. 1455-EX-ST-2019) requesting a modest two-month extension of its existing authorization until November 1, 2019.

All other parameters specified in the prior application remain the same and HE360 hereby incorporates them by reference.<sup>1</sup> HE360 has initiated coordination with the relevant federal agencies.

#### **Specific Objectives Sought to be Accomplished**

See Narrative Description in ELS File No. 0024-EX-CN-2017 (filed January 11, 2017).

**How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion, or utilization of the radio art, or is along line not already investigated.**

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<sup>1</sup> See ELS File Nos. 1804-EX-ST-2017 (granted Nov. 9, 2018, as revised); 1703-EX-ST-2018 (granted Nov. 9, 2018, as revised).

See Narrative Description in ELS File No. 0024-EX-CN-2017 (filed January 11, 2017).

**Estimated Experiment Duration**

HE360 requests a modest two month extension of its existing authorization until November 1, 2019.