

Request to Modify Condition (1) on STA

Northrop Grumman Systems Corporation (NGSC) hereby requests modification to Special Condition (1) on experimental license WQ9XUS, FCC File No. 0927-EX-ST-2020, related to on-orbit operations of the Cygnus NG-14 spacecraft. This STA extension request has been coordinated with and approved by NASA.

Specifically, the request is to extend the duration in orbit, post ISS departure, to 39 days total. Condition (1) on the current STA limits this time period to two weeks. The extended time in orbit is needed due to the increased scope of the mission operations planned for the post-ISS departure phase of flight operations.

The Cygnus NG-14 spacecraft departure from the ISS is anticipated to be around January 3, 2021. Therefore with the 39 days in orbit post-ISS departure, the Cygnus NG-14 spacecraft will complete all of the mission flight objectives and reentry well within the current STA 6-month period that ends on March 20, 2021.

To facilitate downlinking to the Northrop Grumman Mission Control Center all of the generated scientific data in a timely manner, an additional ground station will be added to the post-ISS departure mission phase. The ground station is located in Santiago Chile.

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