

Reason for STA for ARCE1

This STA is requested because the original launch for the ARCE1 mission, which was licensed by Experimental License 0076-EX-CN-2019, did not take place. This was on the Astra DARPA Launch Challenge launcher.

A new launch, near term, has been secured. The following parameters have changed from the original application, all other values and characteristics remain the same. The STA application has been prepared because 6 months of operation will satisfy the minimum mission success criteria, and it has been determined there is not time for a regular Part 5 modification to be processed.

- The launch will be aboard SpaceX SXRS-3. The launch window is currently scheduled between December 1, 2020 and January 1, 2021.
- The orbit will be 525 km, 97.5 degrees inclination. The ODAR has been updated to reflect this.
- The ground station has been moved approximately 7 miles from its earlier location. This is reflected in the STA data, as well as in the Spacecap.
- The email and postal address for the contact at the University of Central Florida has been slightly changed.

All of the equipment and radio characteristics remain the same.