

L3Harris Technologies, Inc.
Request for FCC Special Temporary Authority
Temporary-Fixed Transportable C Band Earth Station
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L3Harris Technologies, Inc. ("L3Harris") hereby requests Special Temporary Authority ("STA") for a thirty day period beginning July 6, 2022 to deploy a 2.4m transmit/receive transportable C-Band terminal using select C band frequencies to a location at the FAA facility located in Collins, OH (I64 BUEC) in order to support FAA Air Traffic Control operations.¹

Owing to the loss of existing terrestrial telco service to the FAA facility in Collins, OH (I64 BUEC) caused by the facility's telco carrier decommissioning the existing telco service, and subsequent refusal by the provider to extend operational telco service to the FAA facility, the FAA has determined that the risk to the National Air Space due to this decommissioning requires mitigation as an impact could possibly occur when an outage of main and standby equipment or main and secondary lines occurs at any of the several other supporting facilities, thereby possibly jeopardizing the safety of the flying public.

STA is requested is for 30 days of and would utilize C-Band spectrum in conjunction with satellite SES2 transponder 21C. The requested C-Band space segment exists within the current operating spectrum of the FAA network of (17) existing remote C-Band sites and is above the FCC mandated 5G spectrum. The allocated bandwidth requested is for a total of less than 200KHz of space segment. Specifically, as noted on the attached SES Digital Network Operations correspondence, C band transmission operations would be on 6355.7847 - 6355.8807 and C band receive operations would be on 4130.7847 - 4130.8807. Also attached is the link budget as well as the look angle values of the I64 BUEC site.

L3Harris will complete a frequency coordination for the site and submit it along with any future extension requests if needed, at the FAA I64 BUEC site.

L3Harris submits that a grant of this application will serve the public interest because it will assist the FAA's mission of ensuring flight safety.

¹ L3Harris Technologies, Inc. is the prime contractor on the FAA TeleCommunications Infrastructure (FTI) program which carries FAA communications to/from ~5,000 FAA facilities, terrestrially as well via satellite systems