

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 for a thirty day period beginning September 13, 2021¹ to deploy a 2.4m transmit/receive transportable C-Band terminal to a location at the Galliano, LA heliport (GAO_RTR) in order to support FAA Air Traffic Control operations.²

Owing to Hurricane Ida, existing FAA terrestrial communications transmitting voice and data traffic to the FAA Houston Air Route Control Center and the New Orleans airport (MSY) were rendered inoperable, requiring L3Harris to temporarily deploy a Prodelin 2.4m C Band Flyaway antenna system at the Galliano, LA heliport to carry voice and data traffic back to the FAA Houston Air Route Control Center and the New Orleans airport (MSY).

Deployment of the 2.4m Flyaway C-Band terminal at the Galliano, LA heliport will allow critical air traffic communications to be uplinked via the L3Harris satellite network back to the FAA Houston Air Route Control Center and the New Orleans airport (MSY) until the existing terrestrial system can be repaired and/or replaced.

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 As noted in the attached "Emergency STA Conditions of Grant" document, this STA request was verbally granted on September 13, 2021. LHarris will comply with all Conditions of STA grant.

² L3Harris Technologies, Inc. serves as the current FAA Telecommunications Infrastructure contractor

FCC Emergency STA

Conditions of Grant

Emergency STA Conditions of Grant

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L3HARRIS TECHNOLOGIES' request for Special Temporary Authority is GRANTED WITH CONDITIONS beginning September 13, 2021 and ending October 12, 2021.

1. All operations under this STA are on an unprotected and non-harmful interference basis. L3HARRIS TECHNOLOGIES shall cease operations immediately upon notification of such interference and inform the Commission in writing immediately of such an event.
2. Operations are limited to the following frequency bands

Earth-to-Space Frequency (ES Transmit)	Space-to-Earth Frequency (ES Receive)
6336-6376 MHz VLP	4111-4151 MHz HLP

3. Maximum input power density is limited to $-2.7 - 10\log(N)$ dBW/4 kHz for digital carriers. See 47 CFR §25.212 (d).
4. Maximum Off-Axis EIRP density is limited to the applicable portions of section 25.218 (c) and (d). See 47 CFR §25.218 (c) and (d).
5. Points of Communication is limited to the SES-2 satellite at 87° W.L. (Call Sign S2826)
6. L3HARRIS TECHNOLOGIES is not authorized to transmit on the earth station while in motion.
7. L3HARRIS TECHNOLOGIES' request for a waiver of the sections §25.203 b) and c) and §25.251 requirement for a frequency coordination report is GRANTED. This waiver is based upon the critical need to restore communications between Galliano, LA heliport, the FAA Houston Air Route Control Center and the New Orleans airport (MSY). In addition, local terrestrial facilities are not currently functional due to the damage caused by Hurricane Ida. and the station is located on the coast and is pointed out to sea with an elevation angle greater than 55 degrees. Given this situation, the likelihood of interference is very small.
8. L3HARRIS TECHNOLOGIES must take all reasonable and customary measures to ensure that the earth station(s) do(es) not create a potential for harmful non-ionizing radiation to persons who may be in the vicinity of the earth station when it is in operation. At a minimum, permanent warning labels shall be fixed to the earth station and its housing warning of the radiation hazard and including a diagram showing the regions around the earth station where radiation levels could exceed 1.0mW/cm². The earth station operator shall be responsible for assuring that individuals do not stray into the regions around the earth station where there is a potential for exceeding the maximum permissible exposure limits required by 47 C.F.R. § 1.1310.
9. Any action taken or expense incurred as a result of operations pursuant to this special authority is solely at L3HARRIS TECHNOLOGIES' own risk.
10. The grant of the verbal STA request was issued in accordance with emergency procedures put in place to provide communications in areas affected by Hurricane Ida. To ensure that the Commission has a complete record of the request and action taken, L3HARRIS

TECHNOLOGIES is directed to file an electronic version of its STA request submitted through IBFS as soon as possible.

11. This STA may be terminated at the International Bureau's discretion, without a hearing, if conditions warrant. Under no circumstances may the facility authorized violate the terms of an international agreement or treaty. The applicant is required to post and/or retain a copy of this authorization as required by the Commission's Rules.
12. This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.

Verbal approval from:

Kathryn Medley

Chief, Satellite Engineering Branch

Satellite Division

FCC/IB