

**FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPECIAL TEMPORARY AUTHORITY****Applicant Name****Name of Applicant:** General Dynamics Mission Systems**Address**

Attention: Jon Wootten
Street Address: 8220 E Roosevelt Rd
P.O. Box:
City: Scottsdale
State: AZ
Zip Code: 85257
Country:
E-Mail Address: jon.wootten@gd-ms.com

Best Contact**Give the following information of person who can best handle inquiries pertaining to this application:**

Last Name: wootten
First Name: jon
Title: Staff System/Software Engineer
Phone Number: 6024486094

Explanation**Please explain in the area below why an STA is necessary:**

We are demonstrating the HOOK3(tm) Combat Survival Radio (CSR), a follow on to AN/PRC-112G. The CSR, which is under development, has not yet been added to the AN/PRC-112G DD1494, and JIFX staff requires a STA.

Purpose of Operation**Please explain the purpose of operation:**

Demonstration of requested capabilities of the Combat Survival Radio to the Navy at the upcoming Naval Post Graduate School Joint Interoperability Field Exercise (JIFX). The purpose is to demonstrate requested capabilities (RFI Attached) of the CSR to the Navy at the upcoming Naval Post Graduate School Joint Interoperability Field Exercise (JIFX). This is a 4 day exercise in which case all survival oriented features of the CSR will be demonstrated on UHF frequencies, per the Navy CSEL-SU List of Objectives.

Information

Callsign: WJ9XSI
Class of Station: MO
Nature of Service: Experimental

Requested Period of Operation

Operation Start Date: 08/08/2016
Operation End Date: 11/11/2016

Manufacturer

List below transmitting equipment to be installed (if experimental, so state) if additional rows are required, please submit equipment list as an exhibit:

Manufacturer	Model Number	No. Of Units	Experimental
General Dynamics	CSR	10	Yes

Certification

Neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. The applicant hereby waives any claim to the use of any particular frequency or electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.) The applicant acknowledges that all statements made in this application and attached exhibits are considered material representations, and that all the exhibits part hereof and are incorporated herein as if set out in full in this application; undersigned certifies that all statements in this application are true, complete and correct to the best of his/her knowledge and belief and are made in good faith. Applicant certifies that construction of the station would NOT be an action which is likely to have a significant environmental effect. See the Commission's Rules, 47 CFR 1.1301-1.1319.

Signature of Applicant (Authorized person filing form): Jon Wootten

Title of Applicant (if any): Lead System Engineer

Date: 2016-06-17 00:00:00.0

Station Location

City	State	Latitude	Longitude	Mobile	Radius of Operation
Camp Roberts, California	North	35 42 57	West 120 45 52	McMillan Airfield, Camp Roberts, CA	20.00

Datum: NAD 83

Is a directional antenna (other than radar) used? No

Exhibit submitted: No

(a) Width of beam in degrees at the half-power point:

(b) Orientation in horizontal plane:

(c) Orientation in vertical plane:

Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? No

(a) Overall height above ground to tip of antenna in meters:

(b) Elevation of ground at antenna site above mean sea level in meters:

(c) Distance to nearest aircraft landing area in kilometers:

(d) List any natural formations of existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft:

Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
Modified	250.00000000-MHz	MO	1.000000 W 684.000000 mW	P	0.00005000 %	7K00A3E	4 KHz
Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
Modified	251.90000000-MHz	MO	1.000000 W 684.000000 mW	P	0.00005000 %	7K00A3E	4 KHz
Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
Modified	255.00000000-MHz	MO	1.000000 W 684.000000 mW	P	0.00005000 %	7K00A3E	4 KHz
Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
Modified	275.00000000-MHz	MO	1.000000 W 767.000000 mW	P	0.00005000 %	7K00A3E	4 KHz
Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
Modified	302.25000000-MHz	MO	5.000000 W 3420.000000 mW	P	0.00005000 %	2K80G1D	300 bps

Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
Modified	302.35000000-MHz	MO	5.000000 W 4305.000000 mW	P	0.00005000 %	2K80G1D	300 bps
Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
New	406.02800000-MHz	MO	5.000000 W 3048.000000 mW	P	0.00005000 %	5K00G1D	400 bps