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Conventional Experimental (Form 442) License Request Narrative

Confirmation Number:	EL200453
License Number:	0051-EX-CN-2020
Date of Submission:	14 Jan 20
Program Contract Number:	H92401-18-D-0005
Period of Performance:	01 Aug 18 - 31 Jul 23

Introduction

XTAR requests that a Conventional Experimental (Form 442) License, beginning ASAP through 31 July 2023, be granted to Tampa Microwave to utilize an X-band satellite communications link in the X-band (7.25-8.4 GHz) frequency range, provided by XTAR, to support repair, replacement, and improvement of DoD satellite terminals acquired under the SOCOM Deployable Node (SDN) and other DoD programs.

This license is specifically requested to assist Tampa Microwave to meet contract obligations, reduce licensing and related administrative costs, and eliminate the need to conduct offshore/overseas operations to test X-band RF equipment for the DoD.

Due to pre-launch international coordination agreements, XTAR does not cause interference with the DoD's Wideband Global SATCOM (WGS) constellation.

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Network Topology

If approved, XTAR will establish a .310 x 1.13 Mbps TDM/TDMA circuit between a remote terminal located within XTAR-LANT North America beam as depicted in Figure 1, below, and a 1.3m or 2.4m hub located in St. Petersburg, FL. More detailed specifications for this circuit are provided in the Pre-Coordination Document which accompanies this submission, and which has already been approved by the MILDEPS.

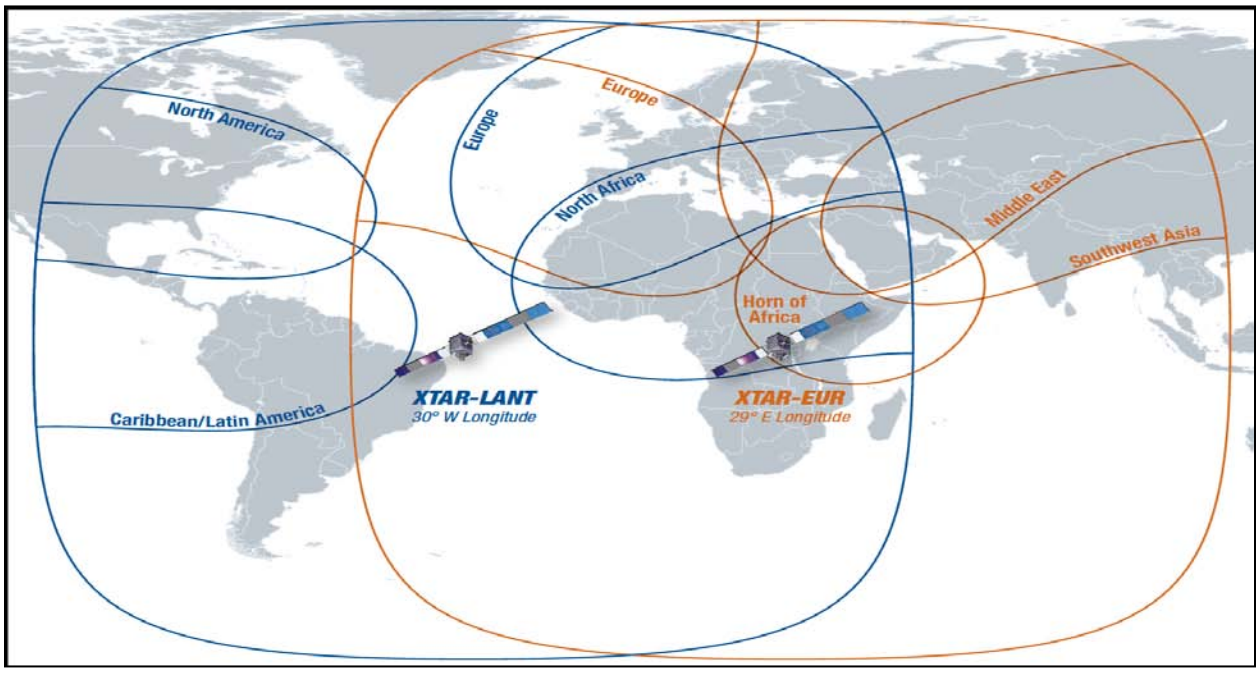

Figure 1 - XTAR Constellation Footprint

About XTAR, LLC

XTAR, LLC is a U.S.-owned satellite operator founded in 2001 entirely on private capital and with the mission of providing the U.S. Government user with satellite services on military X-band frequencies. Controlling interest in XTAR is held by Loral Space and Communications (NY).

Today, XTAR operates two on-orbit GEO payloads, both in X-band frequencies and amounting to 1.44 GHz of fully WGS-compatible space segment capacity:

- XTAR-EUR: 29.0° E.L.
- XTAR-LANT: 30.0° W.L.

XTAR is presently in the design phase of its new constellation of X- and Ka-band satellites, planned for launch in 2023/2024. XTAR intends to provide station kept capacity at 29E and 30W until the current satellites are replaced.

For More Information Please Contact:

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