

Form 442 Attachment for Section 4: Government Project Description
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Enhanced Geolocation

1. Introduction

The scope of this Statement of Work (SOW) includes those activities required to provide a significant enhanced geolocation capability upgrade to fielded software. The new capabilities include an extension of an existing ground wave HF geolocation capability to include sky wave and NVIS signals.

2. Background

There has been significant investment to develop and field a precision geolocation capability for signals of interest. As capabilities are fielded, the end users provide feedback and guidance on capability enhancements that will help with mission execution. This SOW is in response to this feedback. Under this SOW Ticom Geomatics shall develop prototype capabilities to further enhance existing operational capabilities as outlined below.

3. Task Description

Ticom Geomatics shall extend previously developed HF ground wave geolocation techniques to include sky wave and NVIS signals. This work will include enhancements to the ground / sky wave discriminator, extensions to include ionospheric modeling, and geolocation and error model enhancements.

4. Contract:

Unclassified US NAVY contract # 08-D-6011 Task Order 006.

5. Point of Contact

The Government POC for this work is Mr. Terry Sprague, SPAWARSYSCEN Charleston (843) 218-5721.

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