



National Spectrum Consortium: Delivering Innovation

Solicitation: Spectrum Integration System Core (SIS Core)

Project Title: SIS Core

Performer: *Prime* – Peraton Labs Inc. (Peraton); *Significant Nontraditional Contractors* – ANDRO Computational Solutions, LLC (ANDRO) and Altio Labs LLC (Altio)

The Spectrum Integration System (SIS) Core project will prototype a modern, data driven and environmentally informed range spectrum management system that maximizes the value of the electromagnetic spectrum (EMS) resource by enabling efficient and effective EMS operations (EMSO) in increasingly constrained spectrum. The effort will demonstrate a distributed, dynamic, data-centric capability prototype that aids EMSO on DoD ranges spanning planning, execution, and post-event after action review and analysis activities.

The SIS Sensor Edge sister project will feed distributed radiofrequency sensor information into SIS Core. The SIS Core effort will include system architecture and data definition, the integration of existing off-the-shelf software packages, adaptation of Government-off-the-Shelf (GOTS) software, the development of new software capabilities as required, and the validation and deployment of the prototype on select DoD training ranges.