**2023 ADVANCED GEOPHYSICAL CLASSIFICATION (AGC)**

**SENSOR UPDATE**

Jeffrey Leberfinger, PGp, PG, PIKA International, Harrisburg, PA

Craig Murray, Parsons, Denver, CO

**Abstract**

Improvements and availability of Advanced Electromagnetic Induction (EMI) Sensors are continuing to be a significant factor in the success of Advanced Geophysical Classification (AGC) implementation on Munition Response Projects. Availability, functionality, durability, and data quality can impact schedule, costs, and risk to both the contractor and government. This presentation will provide an update on the current status and availability of existing advanced EMI sensors; Geometrics MetalMapper 2x2 (MM 2x2), AcornSI’s Man Portable Vector (MPV), NovaTEM, LLC ‘s TEMSENSE, Gap EOD UltraTEM system, and the White River Technologies, Inc. Dynamic OnePass APEX system. While all the systems have been approved by the Department of Defense AGC Accreditation Program (DAGCAP) and have been used on AGC projects in previous years, the current manufacturers of the sensors continue to make improvements on their functionality, durability, and data quality based on feedback from their use on AGC projects from both industry and government.