

Technology Committee Report

National Association of Ordnance Contractors

Monthly Update

December 18, 2024



www.naoc.org



M2S2 Stand Down

- ❑ NAOC Annual Meeting on December 10
- ❑ 2024 Technology Committee
 - ❖ Karen Lemley – BOD Liaison
 - ❖ Craig Murray – Chair
 - ❖ Harry Wagner – Deputy Chair
- ❑ M2S2 December 10-12
 - ❖ Slides from presentations should be available on Whova app within the next few weeks

USACE - NAOC M2G2 Call

- ❑ Recording of the three 2024 M2G2 calls are available on youtube.com

- ❖ 2/14 - <https://youtu.be/-siHHM5xDXE> [youtu.be]
- ❖ 5/8 - <https://youtu.be/UUpjsrRk4lk>
- ❖ 9/25 - <https://youtu.be/oE98PKoDRjl>

- ❑ Topic Suggestions for 2025 M2G2 calls?

- ❖ Send to Craig M., Harry W. or Jeffrey L.

- ❑ 2025 M2G2 dates:

- ❖ Feb 12, May 14, Aug 13, Nov 12
- ❖ 2nd Wednesday of the month

APEX-Mini

System Certification:

- ❑ Validated at APG hardware DOC last month
- ❑ Dynamic one-pass
- ❑ Dynamic-cued



APEX-Mini

Applications:

- ❑ 40 cm swath for confined spaces (e.g., between trees)
- ❑ Gap fills
- ❑ Seed validation
- ❑ Steep slopes
- ❑ Integrates with GPS and SLAM



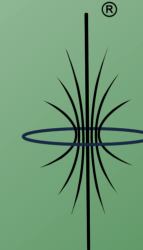
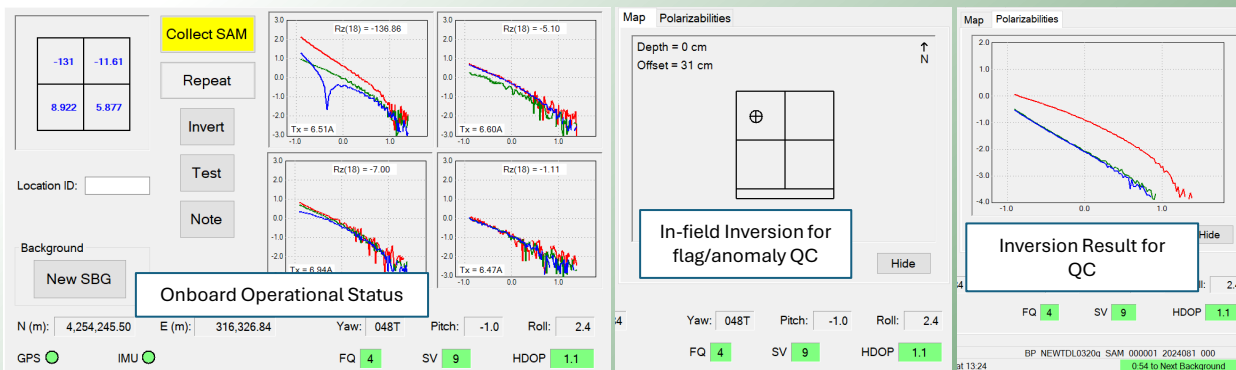
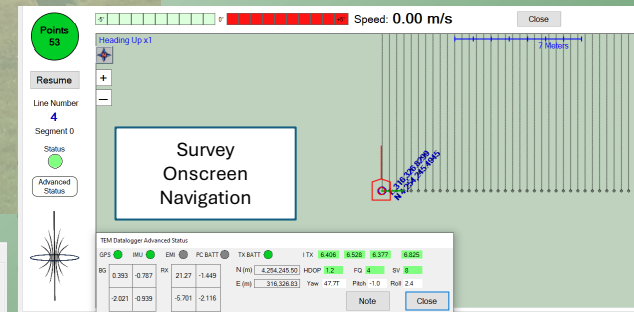
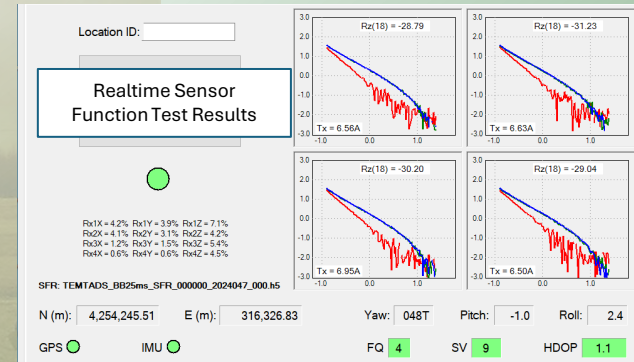
Oasis Montaj / UX-Analyze

- ❑ UX-Analyze V2024.1 is DAGCAP validated
- ❑ Oasis Montaj V2024.2 is now available
- ❑ V2024.2 validation is planned for early 2025
- ❑ Upcoming Training:
 - ❖ <https://events.seequent.com/>

The Temsense™ Platform

Key Features:

- **Supports data processing with updated and fully validated versions of UX-Analyze**
- High operational reliability with hot swappable batteries
- Exceptionally maneuverable form factor
 - Low weight for both cart or litter-borne operation
 - Operates at a normal walking pace for high productivity rates
- Integration with RTK GPS, RTS, and SLAM positioning systems
- Onboard Operational Status / QC functionality GUI
- Fully supports DAGCAP EMI HDF5 v1 file format standard
- **DAGCAP-validated for dynamic one-pass, two-pass (dynamic then cued), and cued operations**



For more information:

TEMSENSE LLC
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SERDP/ESTCP

- ❑ MR August IPR – August 12-13
 - ❖ Alex Kostera and Brandon Puttroff attended virtually to represent the NAOC Technology Committee
- ❑ MR October IPR – October 29-30
 - ❖ Jeffrey Leberfinger attended
- ❑ MR January IPR – January 13-15
- ❑ Are there critical needs in Munitions Response which SERDP/ESTCP should address? – Contact John Jackson

SAGEEP/MRM 2025

- ❑ Venue: Hilton Downtown Denver
- ❑ Dates: April 13-17, 2025
- ❑ Abstract submissions open – due January 24, 2024



SAGEEP/MRM 2025

Munitions Response Sessions

Perspectives on Munitions Response

DAGCAP - Project / Program Lessons Learned

Risk Assessment for Explosives Hazards

Applications for UAVs in Munitions Projects

Site Applications/Case Studies

Innovative Applications of Geophysics on MMRP Projects

Underwater Methods for MEC Detection and Classification

Robotic Applications to MR

Emerging Geophysical Sensors

Alternative Positioning Systems

Munitions Response Operations and Safety- Exclusion zone reduction with AGC

Data Usability Assessments

Munition Constituent Investigations

Analog Geophysics

Disposal Trench / OBOD (i.e. non firing range) Geophysics

International Demining and UXO

MMRP Cost estimating

Feasibility Studies- Building Alternatives

Geophysics in Extreme/Difficult Environments

Remedial Action Objectives

Root Cause Analyses

Remedial Design (Case Studies, Data needs)

Contracting Lessons Learned

Miscellaneous Topics 1

- ❑ Geometrics is working on MM2x2 validation for One-pass classification
- ❑ Draft QSR 3.0 for NAOC review around December M2S2
- ❑ MR-QAPP Toolkit Module 2 has been available for over a year. EDQW is looking for feedback and suggestions for improvement from NAOC
 - ❖ Send feedback to Harry.Wagner@WestonSolutions.com
- ❑ AGC Library Additions – DAGCAP reports approximately 90% complete

Miscellaneous Topics 2

- ❑ Preliminary characterization critical density selection
 - ❖ EMCX plans to draft a white paper describing how to select critical density for preliminary characterization
 - ❖ The white paper will go to IDQTF; when and how that white paper will be issued is TBD
- ❑ PWS template – USACE has been working on a template, but that effort has become a lower priority
- ❑ 2025 NAOC sponsorships available soon - [link](#)
- ❑ Next Technology Committee Call – January 15, 2025

Discussion Topics

❑ Possible future discussion topics:

- ❖ What constitutes a size mismatch when reviewing dig results?
- ❖ Defining SRA boundaries
- ❖ Defining inaccessible areas including steep slopes
- ❖ Separating RAs into two contract actions, phase 1 AGC and phase 2 intrusive
- ❖ Insert your favorite topic of interest here by emailing craig.murray@parsons.us or harry.wagner@WestonSolutions.com

Technology Committee Contact

QUESTIONS?

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Chair

Deputy Chair

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