

Technology Committee Report

National Association of Ordnance Contractors

March 15th, 2018



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Technology Committee

Discussion Topics

- ❑ IPR Meeting
- ❑ DAGCAP Accreditation
- ❑ UX-Analyze Update
- ❑ MetalMapper 2x2 Update
- ❑ SAGEEP 2018
- ❑ Supporting Committees/BOD

IPR Meetings

- ❑ Winter IPR meeting – Feb 21st
- ❑ Agenda, Presentations, and project summaries uploaded to committee FTP site.
- ❑ Agenda, presentations, and notes will be posted to NAOC Technology Website.
- ❑ Spring IPR – May 15th – 17th
- ❑ Any local volunteers to support
- ❑ Agenda sent to committee

Wednesday, 21 st February 2018		
08:30	Convene/Opening Remarks	Herb Nelson MR Program Manager
08:35	MR-2728 : Enhanced EMI models and systems for underwater UXO Detection and Discrimination	Fridon Shubitidze Dartmouth College
09:20	MR-201713 : Efficient and Secure Cloud Computing for UXO Classification and Project Management	Dean Keiswetter Acorn Science and Innovation, Inc.
10:05	Break	
10:20	MR-201712 : Man-portable Bottom Mobility Platform for UXO Investigations	Arnis Mangolds C-2i, Inc.
11:05	MR-201614 : Underwater Dynamic Classification Technology	Jonathan Miller White River Technologies
11:50	Lunch	
12:50	MR-201422 : Demonstration of Crawler-Towed Sensor Technologies in Challenging Nearshore Sites	Gregory Schultz White River Technologies
13:35	MR-2735 : Preliminary Design Study for Munitions Response Underwater Test Site	Stanley Tomich PNNL
14:20	Adjourn	

DAGCAP Accreditation

- ❑ Nine organizations currently accredited
- ❑ HGL passed APG DOC week of March 5th.
- ❑ <http://www.denix.osd.mil/mmrp/advanced-geophysical-classification-accreditation-and-other-tools/>

UX-Analyze Update

□ Training

❖ Public

- 29 & 30 March, Nashville TN (post SAGEEP 2018)
 - To get on the wait-list contact: lorraine.godwin@geosoft.com

❖ Private - on request

□ Release Schedule (current plan)

- ❖ 9.3.x Update – Spring 2018
- ❖ 9.4 – early Summer 2018

MM 2x2 Update

❑ Dynamic Heat Issue

- ❖ Geometrics has redesign of electronic box they believe will solve the dynamic heat issue and allow the system to work in temperatures up to 50 degrees Celsius.
- ❖ EXI has sent their backpack to Geometrics to be retrofitted
- ❖ Hope to have the system back by late March / early April
- ❖ Plan to take the system to Blossom Point or APG for testing with Nova Research as soon as system is back.

❑ Infield Inversion

- ❖ Acorn is still working on the infield inversion and said it should be done soon but no ETA. Acorn has asked Geometrics to send a MM 2 x 2 tablet to them so they can do some testing of the infield inversion with existing data.
- ❖ Geometrics said as soon as they get the infield inversion from Acorn they will get it incorporated into a new firmware update and get it to the MM 2x2 owners.

Additional Identified MM 2 x 2 Issues

- ❑ Static Function Test (SFT)
 - ❖ SFT on data acquisition software indicate a failed SFT in the field but when evaluated in Geosoft it passes.
 - ❖ Geometrics says the SFT fix is tied to the infield inversion module so the SFT fix will be made when infield inversion update is made.

- ❑ Dynamic Mode instrument software appears to have several major bugs
 - ❖ Data acquisition software crashes
 - ❖ Data collection rate can spontaneously change
 - ❖ There is a disconnect between the naming and content of the hdf5 files from the instrument and the expected naming and content of these files upon import into the UX-Analyze package

SAGEEP 2018

- ❑ SAGEEP - March 25th – 29th in Nashville, TN
- ❑ MMRP geophysics to be one of the focus areas of the conference.
- ❑ SAGEEP Links:
- ❑ Program Info: <http://www.eegs.org/sageep-2018-program>
- ❑ Registration: <http://www.eegs.org/sageep-2018-registration-information>
- ❑ Abstracts: <http://www.eegs.org/sageep-2018-sessions-abstracts>

Supporting BOD/Committees

- ❑ Support the OSC Webinar Development Team
 - ❖ Suggestions or volunteers?

- ❑ June 14, 2018 M2S2 – Innovative Technologies Not Related to DGM/AGC
 - ❖ Application of Drones to Munitions Projects (KEMRON Environmental Services)
 - ❖ Use of Drone Surveys to Evaluate Munitions Disposal Features (Parsons)
 - ❖ A Robotic Approach to Highly Saturated MEC Sites (ECC)
 - ❖ Remote Controlled Vegetation Clearance (Parsons)
 - ❖ Case Studies of Rapid Chemical Destruction of Bulk and Residual Energetics (MuniRem)
 - ❖ Smart Characterization – An HRSC Approach for Determining Preferential Pathways for Complex Sites (ARCADIS)

Supporting BOD/Committees

- ❑ Support Analog QC Requirement Recommendations White Paper with OSC for Government MR_QAPP working group
- ❑ Support review of Draft MR QAPP. Comments due Friday, March 23rd to OSC Committee Chair James Salisbury –

james.salisbury@parsons.com

Technology Committee Contact

QUESTIONS ?

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