

Technology Committee Report

National Association of Ordnance Contractors

November 9th, 2017



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Technology Committee

Discussion Topics

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

DAGCAP Accreditation

Organizations Accredited to Perform Advanced Geophysical Classification

AcornSI and NAEVA Joint Venture, LLC (AN JV)
2928 South Buchanan Street, Suite C-1
Arlington, VA 22206
Accrediting Body: ANAB
Terms of validation: 03/29/2017 through 03/29/2019

APTIM FEDERAL SERVICES LLC
2410 Cherahala Blvd.
Knoxville, TN 37932
Accrediting Body: A2LA
Terms of validation: 09/28/2017 through 09/28/2019

ARCADIS U.S., INC.
2101 L. St. NW, Suite 200
Washington, D.C. 20037
Accrediting Body: A2LA
Terms of validation: 08/15/2017 through 10/31/2019

Black Tusk Geophysics
1755 West Broadway, Suite 401
Vancouver, BC Canada
Accrediting Body: A2LA
Terms of validation: 7/13/2017 through 7/31/2019.

CH2M Hill, Inc.
2411 Dulles corner Park, Suite 500
Herndon, VA 20171
Accrediting Body: ANAB
Terms of validation: 05/03/2017 through 05/03/2019

Parsons Corporation
1776 Lincoln Street, Suite 600
Denver, CO 80203
Accrediting Body: A2LA
Terms of validation: 03/13/2017 through 05/31/2019

Tetra Tech EC, Inc.
350 Indiana Street
Golden, CO 80401
Accrediting Body: A2LA
Terms of validation: 08/9/2017 through 09/30/2019

<http://www.denix.osd.mil/mmrp/advanced-geophysical-classification-accreditation-and-other-tools/>

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UX-Analyze Update

- ❑ Geosoft expecting new version release in November.
- ❑ The main fixes concerning the MM2x2 are;
 - ❖ 1) the application of a scale factor to the measured data,
 - ❖ 2) bug fixes to the static sensor function test and resample library tool, and
 - ❖ 3) adjusting QC and processing parameters.
- ❑ UX-Analyze class March 29th and 30th at SAGEEP 2018 in Nashville (if enough attendee interest).
- ❑ UX-Analyze class for USACE next week in Huntsville.

MM 2x2 Update

- ❑ ARCADIS currently working in Florida since mid September collecting static data. MM 2 x 2 seems to be functioning OK and provide good static data. Does not appear to have warmup problem seen in EXI system. They have had an issue with:
 - ❖ Standard Function Tests (SFT)
 - ❖ And lack of Infield inversion causes the need for additional recollects.
- ❑ CH2M's MM2X2 is at Hawthorne for cued survey. Start up test data collected the week of November 6 look good. The sensor warm-up issue seen in EXI's MM2X2 is being reviewed in test data collected at Hawthorne. Production cued survey to begin within a week.
- ❑ NAEVA has only been able to do one day of testing with system at Ft Ord. Will not be starting production work until later this year.
- ❑ EXI sent electronic box back to Geometrics so they can test heating fixes.
- ❑ Parsons has only done testing this fall but has projects in 2018 for MM 2 x 2



MM 2x2 Update

- ❑ Based on the September Validation Testing at APG, the MM 2 x 2 has an overheating issue in dynamic mode, can operate under ambient conditions for 1 – 3 hours before a significant rest break is required.
- ❑ Geometrics has been working on cooling fixes for the system.
- ❑ Possible fix in 4 – 6 weeks. May be a combination of a firmware and hardware fix.
- ❑ Geometrics is also working on in-field inversion.

SAGEEP 2018

- ❑ SAGEEP next year March 25th – 29th in Nashville, TN
- ❑ MMRP geophysics to be one of the focus areas of the conference.
- ❑ Planning committee – Bill Doll, John Jackson, Jon Miller, Greg Schultz, Jeff Leberfinger, Laurens Beran, Sandra Takata.
- ❑ The call for papers is still open until Friday November 17th
 - ❖ <http://www.eegs.org/sageep-2018-sessions-abstracts>
- ❑ Approximately 20 abstracts submitted to date.
- ❑ Session: Perspectives on MMRP Geophysics
 - ❖ Jordan Adelson
 - ❖ Herb Nelson
 - ❖ Bill Sargent or other USACE representative
 - ❖ Brian Hare or other Navy representative
 - ❖ Tom Bell (possible – trying to get approval)

SAGEEP 2018

Session

- ❑ Recent Results in Marine Acoustic Methods for Detection and Classification
- ❑ Non-acoustic (EM and other) Methods for Marine MEC Detection and Classification
- ❑ Land and Underwater Positioning; state of the art and recent advances
- ❑ Lessons Learned from ESTCP Live Site Demonstrations
- ❑ Site Application of Classification Technologies – contractor experiences both good and bad
- ❑ Innovative Applications of Geophysics on MMRP Projects

Supporting BOD/Committees

- ❑ Support Analog QC Requirement Recommendations White Paper with OSC for Government MR_QAPP working group
 - ❖ Review EM-200-1-15 - Tables 11-4 and 11-6
 - ❖ Provide Recommendation for improved analog QC **by Nov 22nd**
 - ❖ Would like to submit white paper by **Nov 30.**
 - ❖ Possible SOP request for analog surveys to follow

- ❑ Support OSC review of ITRC Draft Technical Guidance “Quality Considerations for Multiple Aspects of Munitions Response Sites”.
 - ❖ Provide comments by December 13.
 - ❖ Comments due to ITRC on 12/15 so we would like time to consolidate all the comments.

Miscellaneous Topics

- ❑ SERDP/ESTCP Symposium (Nov 28th - 30th)

- ❑ General Membership Meeting – San Diego, CA (Dec 5th – 7th)
 - ❖ Tuesday, 5 December 2017
 - **Technology Committee Report**, Mr. Jeff Leberfinger
 - **QAPP Workshop**, Dr. Jordan Adelson, Ph.D.
 - ❖ Wednesday, 6 December 2017
 - **Advanced Geophysical Classification Topics of Interest**, Mr. Andy Schwartz, USACE EMXC
 - **Implementation of the AGC Policy for FUDs – USACE Perspective**, Ms. Betina Johnson, USACE
 - ❖ Thursday, 7 December 2017
 - **SERDP/ESTCP Munitions Program Update**, Dr. Herb Nelson
 - **DAGCAP Update**, Mr. Kevin Coats, Chief, Environmental Sciences Division, USACE EMCX
 - **Case-study using a high-resolution electromagnetic induction system for detection and characterization of unexploded ordnances, sea-mines and dredging hazards**, Mr. Steve Billings, Black Tusk Geophysics

Technology Committee Contact

QUESTIONS ?

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Chair, Technology Committee

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