

# Technology Committee Report

## National Association of Ordnance Contractors

September 7<sup>th</sup>, 2017



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# Technology Committee

## Discussion Topics

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

# DAGCAP Accreditation

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

## 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

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

APTIM (Formerly CBI)  
passed APG DOC in  
August

Weston to do APG DOC  
Week of Sept 18th

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# MM2x2 Software Updates

- ❑ Data quality and measurement timing now match TEMTADS 2x2
- ❑ Improved signal to noise ratio in data
- ❑ Navigation map bug fixes and added features
- ❑ SBR measurement type added
- ❑ Support for GNGGA, GLGGA, and RTS pseudo-GGA position strings
- ❑ Data file metadata updated for seamless import into Geosoft Oasis Montaj
- ❑ Working on in-field inversion

# MM2x2 Software Updates

- ❑ Tested EXI system at Blossom Point on Thursday August 31<sup>st</sup>.
- ❑ Testing performed by Dan Steinhurst. Greg Abrams (Weston) assisted. Bruce Burrows (Acorn) was on site to evaluate the data.
- ❑ Data quality was deemed acceptable for production work by Bruce.
- ❑ EDQW wants to take EXI system to APG to collect data. Dan Steinhurst and Glen Harbaugh will collect data and Tom Furuya will be onsite to process the data. Testing will occur either the week of September 25<sup>th</sup> or Oct 2<sup>nd</sup>.

# MM2x2 / Geosoft Updates

- ❑ ARCADIS – Ft Pierce, FL AGC project
- ❑ Overall project going well
- ❑ ARCADIS did both dynamic and cued IVS and then just cued data collection in the grids. Plan to do dynamic on grids at some point.
- ❑ There is currently no in-field inversion.
- ❑ Geometrics has fixed most of the major bugs in the navigation functionality with the latest software release
- ❑ Arcadis is seeing random software lock-ups/freezes a few times per day. Haven't identified what the underlying issue may be, however.
- ❑ Some v9.2.3 Geosoft modules are not yet compatible (i.e. the Sensor Function Test) so workarounds need to be made to assess those tests
- ❑ Raw data needs to be scaled after import, and there are other parameters (under the hood in the uxa.config file, and with the data itself) that need to be tweaked in order to make the data compatible with some of the modules
  - ❖ The 4x scaling issue still isn't fixed in Geosoft
  - ❖ You have to modify some of the dynamic time gates to match the library

# UX-Analyze updates

- ❑ Herb Nelson has said if additional courses are needed he will support the additional classes. I have only heard from one person. Please contact me or Geosoft if interested in an additional class.
- ❑ Geosoft scheduling class with USACE in November. May be availability for NAOC depending on how many DoD registrants there are. Let Geosoft know if you are interested in being put on a waiting list in case spots are available.
- ❑ Other possible locations is SAGEEP meeting in Nashville, TN (March 2018).

# SAGEEP 2018

- ❑ SAGEEP next year (March/April) in Nashville, TN
- ❑ EEGS would like MMRP geophysics to be one of the focus areas of the conference.
- ❑ Bill Doll, TetraTech will be the general chair for the conference and leading the effort with support of Technology Committee
- ❑ Planning committee – Bill Doll, John Jackson, Jon Miller, Greg Schultz, Jeff Leberfinger. Looking for additional volunteers.
- ❑ Please provide any suggestions for achieving the EEGS goal to Bill Doll at [William.Doll@tetrattech.com](mailto:William.Doll@tetrattech.com)
- ❑ The call for papers is now open
  - ❖ <http://www.eegs.org/sageep-2018-sessions-abstracts>
- ❑ Volunteers or recommendations for co-chairs for any of the topics are welcome
- ❑ A special section of the outdoor demos devoted to MEC systems is anticipated



# SAGEEP 2018

## Session Suggestions

- ❑ Perspectives on MMRP Geophysics
- ❑ 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

**NAOC General Membership Meeting – San Diego, CA  
December 5<sup>th</sup> – 7<sup>th</sup>**

- ❑ Support agenda planning committee
  - ❖ Underwater Case History – solicit for abstracts, review, and select presenter. Abstracts submittal due date extended to September 18<sup>th</sup>.
- ❑ Abstracts for Posters due October 1
  - Will also need volunteers to review and help select abstracts
- ❑ Leadership Award

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# Supporting BOD/Committees

## Support the OSC Webinar Development Team

- Coordinating
  - ❖ Robotics on MMRP Sites (USACE, Late September TBD ?)
- ❖ Webinars posted to NAOC.org and youtube
- ❖ Suggestions or volunteers?

# Miscellaneous Topics

- ❑ No Fall ESTCP/SERDP IPR Meetings this year.
- ❑ Expect Draft MEC QAPP before NAOC General Membership Meeting from EDQW
  - ❖ Jordan Adelson to do MEC-QAPP workshop at NAOC Membership Meeting

# Technology Committee Contact

## QUESTIONS ?

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