

Technology Committee Report

National Association of Ordnance Contractors

May 3rd, 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

- ❑ Spring IPR meeting – May 15th -17th
 - ❖ Need volunteer to attend meeting Tuesday May 15th
 - ❖ Steve Stacy will cover May 16th and 17th
- ❑ Agenda for meeting sent to Tech Committee
- ❑ Agenda, Presentations, and project summaries will be uploaded to committee FTP site.
- ❑ Agenda, presentations, and notes will be posted to NAOC Technology Website.

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 22208
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

HydroGeoLogic, Inc. (HGL)
11107 Sunset Hills Road, Suite 400
Reston, VA 20190
Accrediting Body: A2LA
Terms of validation: 04/13/18 through 04/30/2020

Parsons Corporation
1778 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

TPMC – White River, LLC
222 Valley Creek Blvd.
Exton, PA 19341
Accrediting Body: ANAB
Terms of validation: 11/30/2017 through 11/30/2019

Weston Solutions, Inc.
1400 Weston Way
West Chester, PA 19380
Accrediting Body: ANAB
Terms of validation: 12/21/2017 through 12/21/2019

- Ten organizations currently accredited
- HGL accredited in April.
- AECOM passed APG DOC week of April 23rd.
- <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)
 - 17 attendees
 - ❖ Private - on request
- Release Schedule
 - v9.3.3 UX-Analyze Update 1 – Released March 22
 - Support for DoD Library data in HDF format
 - Improvements to support MetalMapper 2x2
 - Support for MPV ('Parsons' version)
 - Bug fixes
 - v9.4 – early Summer 2018 (current plan)
 - Bug fixes



MM 2 x2 Current Status – Major Issues

Issues as of March 27th (SAGEEP)

- ✓ Overheating during dynamic data collection
 - Added 2nd heat sink and moved a board that was adding to the heat issue
- ✓ No Infield Inversion
 - Acorn working on it – may be ready for a May 2018 update to software from Geometrics
- ✓ Infield Static Function Test (SFT) Failures
 - Geometrics and others (ESTCP, NOVA, Acorn) working on fix
- ✓ Data acquisition crashes
 - New software upgrade should have fixed
- ✓ Data collection rate can spontaneously change
 - New software upgrade should have fixed
- ✓ 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
 - Geosoft and Geometrics should have resolved.



MM 2 x 2 Current Status – Testing

- ✓ EXI system retrofitted. Received on April 27th
- ✓ The EXI system was tested at Blossom Point by Nova Research on Wed May 2nd, 2018.
 - ✓ Collected SFT data for evaluation
 - ✓ Collected approximately 6 hours of dynamic data with no functional issues
 - ✓ Preliminary onsite data quality looked good.
 - ✓ Based on "on-site results", NOVA said they felt the system was "functional" and should be able to be used on projects
 - ✓ Data is being evaluated by Bruce Borrows and Acorn – will forward report when it is received
- ✓ If the Blossom Point testing is positive, NOVA plans to take a MM 2x2 system to the APG blind test site for validation surveys.
- ✓ Parsons also has received a second system which has the new electronics box. Parsons has been using it on a project site for last 10 days.

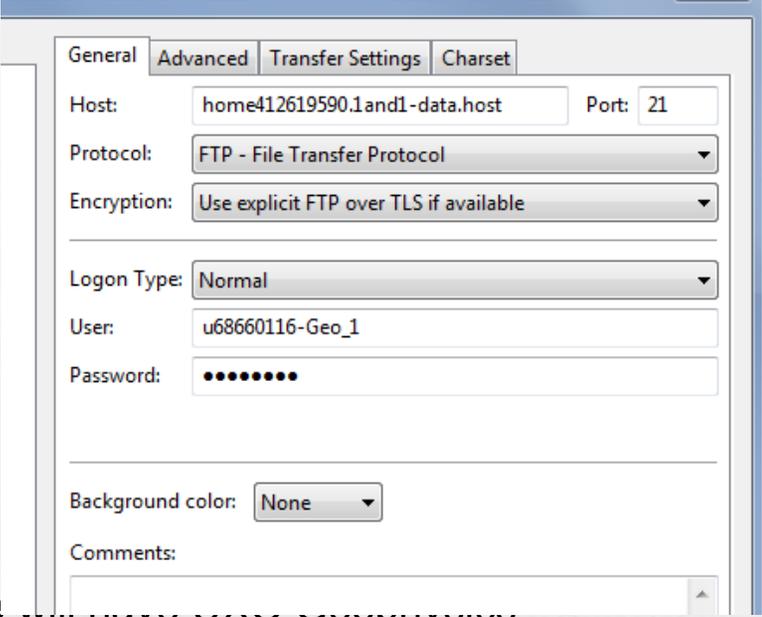


EEGS/SAGEEP 2018

- ❑ SAGEEP - March 25th – 29th in Nashville, TN
- ❑ MMRP geophysics to be one of the focus areas of the conference.
- ❑ Presentation list sent to committee
- ❑ PDF's placed on Filezilla

Password – NAOCTPMC

- ❑ Will place on NAOC Technology page in next few weeks.
- ❑ SAGEEP 2019 – March 17-21, 2019.
Portland, Oregon
- ❑ SAGEEP 2020 – Denver – UXO Focus
- ❑ EEGS FastTIMES – December 2018 issue will have UXO Geophysics Focus – Will need 6 or 7 papers.



The image shows a screenshot of the FileZilla FTP client's settings window, specifically the 'General' tab. The window has four tabs: 'General', 'Advanced', 'Transfer Settings', and 'Charset'. The 'General' tab is active. The settings are as follows:

- Host: home412619590.1and1-data.host
- Port: 21
- Protocol: FTP - File Transfer Protocol
- Encryption: Use explicit FTP over TLS if available
- Logon Type: Normal
- User: u68660116-Geo_1
- Password: (masked with dots)
- Background color: None
- Comments: (empty text area)

Supporting BOD/Committees

- ❑ Support the OSC Webinar Development Team
- ❑ 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)
- ❑ Registration is open - <https://clu-in.org/training/>
- ❑ NAOC will be doing second M2S2 for USACE in fall 2018.
 - ❖ Suggestions or volunteers?

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Supporting BOD/Committees

- ❑ Support Analog QC Requirement Recommendations with OSC for Government MR_QAPP working group
 - ❖ Attached recommendations
 - ❖ Sent to Jordan Adelson on Tuesday May 1, 2018

- ❑ Support review of Draft MR QAPP.
 - ❖ 290 combined NAOC comments
 - ❖ Sent to Jordan Adelson on Monday April 2, 2018
 - ❖ Expect to get a response on comments in next few weeks.

Technology Committee Contact

QUESTIONS ?

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