Technology Committee Report

National Association of Ordnance Contractors

Committee Monthly Update

May 25th, 2022

Spring SERDP/ESTCP IPRs

- ❑ The Spring Munitions Response IPR was held May 10-13, 2022.

- ❑ Agenda is attached

- ❑ Volunteers sat on NAOC Technology Committee seat for one or all days.

  - ❖ Greg Schultz – Day 1
  - ❖ Steve Saville – Day 1 through 3

- ❑ Presentations can be downloaded via wetransfer: https://we.tl/t-D6uu7IPmzG

M2G2 Geophysics Webex

❑ M2G2 Geophysics Quarterly Call with NAOC and USACE – August 10th, 2:00-3:30 PM Eastern

❑ Topics :

❖ More Effective Ways to Write Up Technical Proposals (USACE)

❖ PWS Characteristics that Facilitate High Quality Technical Proposals (NAOC) – Ryan Steigerwalt (Weston)

❑ Please let Jeffrey Leberfinger or Craig Murray know if you have discussion or presentation topics for this or future M2G2 calls

Seequent Update

❑ UX-Analyze – DAGCAP Software Validation

- ❖ 2021.2 – Validation Pending

- ❖ 9.10 and earlier – Validation Passed

- ❖ See https://www.seequent.com/help-support/standards-certifications/validated-ux-analyze-versions/

❑ Next release – 2022.1

- ❖ Details coming in next month

  - ‒ Improvement for UXO Marine and UXO Land

Ultra-TEM Updates

❑ A person portable version of the UltraTEM Classifier is being tested in Australia. This will provide a cart based or litter mode one pass surveying in areas which are inaccessible to the large towed array Classifier.

❑ Portable Classifier being tested uses the same hardware as the towed array Classifier and a white paper will be prepared and submitted to DAGCAP for approval to use the portable Classifier on DAGCAP projects.

❑ Additional plans include development of smaller cubes and lighter electronics for an ultra portable form factor of the UltraTEM as well as a cued sensor. These form factors will likely need to return to APG for DOC testing.

Stencil SLAM Update

P6 (P6.2) and UXO 1.5.3 updates

P6.2

1) Records Localization Confidence in trajectory file instead of Mapping Confidence when running in Localization Mode
2) Record Keyposes now records IMU Pitch and Roll
3) Loop Closure Tool now records chi2 values and LC parameters in the stats.text file

UXO 1.5.3

1) Global Pose Tool
   a. Adds option to output Lat/Long GGA string
   b. Records actual messages sent and records a second log file with localization confidence, timestamp, and RPY values.
   c. Global Pose UI now includes roll and pitch values in the display
2) Re-Acquisition Tool
   a. Records timestamp, localization value, and errors from reference coordinates if a csv file is used as an input
   b. Includes option to display breadcrumbs of path travelled
3) UXO QC records the yaw values

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M2S2 Webinar Today

❑ Just a reminder of today's Military Munitions Support Services (M2S2) Webinar - Life of a CSM: Concept to Response Complete. The registration link is: https://clu-in.org/conf/tio/m2s2fy22-2/

www.naoc.org

Miscellaneous Topics

❑ IVS Memo Template – USACE waiting on next round of NAOC changes

❑ Draft EM 200-1-12 - Conceptual Site Models – NAOC comments submitted

❑ AGC Sensor Background Drift Workgroup – Jennifer Weller (Jacobs) – Lead for NAOC – Having meeting with John Jackson and Andy Schwartz June 3rd to discuss objectives of the workgroup.

❑ SAGEEP 2023 / 2nd Munitions Response Meeting – Most likely in New Orleans. Early in the planning stages. Have support from USACE headquarters and ESTCP/SERDP for MR meeting.

Technology Committee Contact

QUESTIONS ?

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