

USGIF
TC&PD Committee Meeting Minutes
20 APRIL 2018

- **Welcome/Attendance**
 - Steven Thomas, Jack O'Connor, Don Widener, Rob Miller, Nick Buck, Ann Waynik, David Henze-Gongola, Sherry Olson, Chris Parrett, Marisa Hess
 - Renard Paulin, Michael Hauck

- **Approval of March Minutes**
 - Approved

- **New members**
 - David Henze-Gongola (CSRA/GDIT)

- **Departing Members**
 - NTR

- **Active Initiatives**
 - Certification Program –
 - NTR
 - USGIF Cross-Committee Participation
 - Current involvement:
 - YPG (Marisa)
 - NTR
 - IAWG (Nick Buck)
 - Agile/DevOps briefing overview has been presented to Westfields; will be presented at GEOINT (Ann Waynik, Nick Buck)
 - Formerly application advisory working group, stood up to address challenges of moving to cloud (specifically, industry resistance, because no revenue model had been defined)
 - 45 people standing-room only for first meeting 3 ½ years ago
 - Focus is on business model impact (e.g. agile/devops, cloud services, software capability acquisitions, software licensing, OOCI issue)
 - Published findings
 - Results have been more consistent language in RFPs
 - Doing joint session at GEOINT with NAWG, Monday 23rd at 1:00 pm
 - Govt has had experience drain and contracting has suffered – they don't know how the software business works – developed software business 101
 - NAWG actually developed out of Nick's working group with NRO
 - NAWG, TC&PD
 - NAWG (Renard/Skip)
 - Will be joint NGA and NRO working group meeting at GEOINT
 - NAWG is reengaging with NGA, currently on three focus areas: 1) modular contracting, 2) agile/devops, 3) product manager/product owner concept
 - NGA will be implementing an new Integrated Program Office (IPO)

- NGA is also considering a “Reverse Industry Day” in which industry would talk about tech that should be of interest to NGA and how industry implements best practices in these areas
 - AI/ML (Doug):
 - NTR
 - Academic Advisory Board (AAB) (Sherry)
 - AAB will meet next week at GEOINT
 - There will be a joint meeting at GEOINT in Tampa with TC&PD, AAB, and CGB
 - Certification Governance Board (CGB)(Lisa)
 - Still working through EBK; meeting at GEOINT on Tuesday dinner; still planning to go ahead with essential exam; no pilot exam this year, wait until EBK revised; exam based on revised EBK in fall 2018 or early 2019
 - There will be a joint meeting at GEOINT in Tampa with TC&PD, AAB, and CGB
 - Analytic Modernization (John Macier)
 - Just had a meeting last Wednesday
 - Problem is no participation from industry – its all government (Chris)
 - SLAWG (Bryan Raymer, Steve Thomas)
 - Next SLAWG meeting will be in Tampa during GEOINT
 - Have a panel at GEOINT Tuesday morning 9:30 to 10:30 and a fireside talk at Monday in the government pavilion
 - Joint Geospatial Lab being created (academic, NGA, tradecraft development TREX)
 - Creating geospatial consortium of schools that provide geospatial training (even those which are not accredited currently, so the intent is to certify the consortium as a whole)
 - Working with local museums to set up geospatial exhibit and at 4th of July festival
 - Plugging into US Dept of Labor for geospatial job categories
 - SBAWG (Kelly Allen)
 - NTR
 - Law & Public Policy Working Group
 - NTR
- GEOINT 2018 Symposium Planning – Update
 - Good response to lightening talks
 - TC&P will do fireside chat on Monday
 - TC&PD planned Sunday’s GEOINT Foreword
-
- TC&PD met with Chris Parrot and Army Geospatial Battalion regarding training
 - Sherry viewed it as an eye-opener, especially dealing with GEOINT at tactical level
- Joint committee discussions w/NAWG and Academic Advisory Board around TC&PD for contracting/business side of things to try to get government and industry to better understand how the contracting process works on either side.
 - This will depend on what TC&PD committee plans for 2018
- **New Business**
 - Ed Waldspurger leads new subcommittee re: Geospatial Lexicon (government/industry translator)

- Renard and Michael had meeting with Certification Governance Board and committee
- Starting point is to put together a charter for the committee, and look at the existing documentation from EBK as a starting point
- **Action Items**
 - F/U with Justin on status of recruiter website – Michael COMPLETED
 - **Michael and Renard spoke with USGIF staff. Staff is looking for ways to update existing website to include recruiter website while look at modernization of website**
 - Jordan – regarding emails/website/etc for increasing TC&PDC membership (include, Bill, and Justin) IN PROCESS **Recruiting Email Sent**
 - ACTION: YPG to determine what part of their membership is developers? How many YPG members are looking for work? What exactly is it that YPG needs from TC&PD? What exactly is the problem definition?
 - Michael to email Law & Public Policy WG distro for participant to join our GF18 planning **Scheduled for GEOINT**
 - RENARD TO SET UP JOINT MEETING WITH NGA, NRO working groups and TC&PD to move forward together **COMPLETED**
 - RENARD to SOLICIT TC&PD FOR INDUSTRY MEMEBERS TO SUPPORT AMOD **COMPLETED**
 - STEVE TO GET BRIEFING FROM TREX FOR TC&PD **COMPLETED**
- **Next Meeting: 18 May 2018**
 - **Working Session Topic:** AI/ML Impact on Tradecraft and Professional Development Cont'd

ACTIVITY

AI/ML Impact on Tradecraft and Professional Development

- There will be an impact on analytic tradecraft, and how one trains for that tradecraft, according to recent article
 - Article was in Trajectory -- <http://trajectorymagazine.com/analysts-ai-bridging-gap/>
 - Project Maven – has an appliance developed by google with some algorithms built in, but nobody is really utilizing it in the PED cells
 - Might be interesting to do more research on it
 - TC&PD could write an article, and then create a briefing package for government
 - Should set up conversation with Army GEOINT Battalion, and somebody from NGA Research, and NGA College all together to discuss how tradecraft is rapidly changing (more coding going on in field, how is NGA College supporting Sue **Kalwaits** transformation roadmap?)
 - NRO S&T might want to discuss this topic (e.g. govt PM for Onyx Screwdriver)
 - How do we focus on this emerging technology adoption with the analyst
 - We should first survey what is going on in the real world?
 - Because or committee is agnostic, we can lay out what we think needs to be said , neutrally
 - AI/ML working group has already identified an agenda, and people are already being affected, and then we can look at future trends
 - AI/ML working group is on the R&D side of the house, not dealing with transition and implementation (they are trying to stay on the leading edge of the tech
 - We might even publish just interviews with analysts to describe their current experiences, followed by several analysts to explore cross-cutting issues, followed by a bigger event
 - It's not just the black boxes, but there is also lots of software development with automatic object recognition, or tracking, tagging in FMV
 - We should focus on the PEOPLE side vs. AI/ML WG that focuses on the tech
 - Pay attention to the analyst, how do you modify your workflow, how to use the technology training is essential to early user acceptance
-

- One of the critical areas (perhaps USGIF is good point of entry), became education arm for industry. Choke points for dealing with masses of data are left by wayside. Typically, we get solutions that address one problem, rather than general solutions.
- Govt, however, feels that industry already has the solutions to the problems they need working, so they get COTS solutions that don't necessarily fit the needs of what the analysts are asking for
- This is an important area, and there are concerns to the limits of what AI can do and when the human needs to take over – AI can be fragile, so a level of assurance is needed for any AI solution
- Also will the EBK updates address AI/machine learning?
- At Intel symposium in past few days, there were a number of community speakers who were speaking of the importance of human involvement in AI/ML. They want AI to do the mundane work, and then alerting the analyst to when something has changed.
- Next step: 1) insufficient scope to form a subcommittee,, 2) for next working meeting, focus conversation on figuring out who the initial analysts would be to interview, and what the interview process should be
- **ACTION ITEM – TC&PD to scout for analysts for initial interviews (to be discussed at next TC&PD meeting)**