**DRAFT - NIEM Business Architecture Committee (NBAC)**

**Teleconference Meeting Minutes 28 June 2018**

**NBAC Co-Chairs: Mr. Kamran Atri & Mr. Ryan Schultz**

# Opening Remarks – Mr. Kamran Atri

## Mr. Atri thanked everyone for participating, and stated that even though summer here, NIEM is not slowing down. The NBAC has approved NIEM 4.1 for release, the Face-to Face (F2F) Meeting is getting close, and the Biometrics domain is doing some great DNA work. Ms. Heather Grace is filling in for Mr. Ryan Schultz who is on travel.

# NIEM NBAC (29-30 OCT), PMO/NBAC/NTAC (31 OCT), NTAC (1-2 NOV) Face-to Face (F2F) Meeting

## Mr. Atri emphasized the importance of incorporating NBAC participant topic recommendations into the F2F agenda, and encouraged domain representatives to showcase their good work. Mr. Ralph O’Connell will follow up with domain stewards to incorporate their recommendations.

# NIEM 4.1 Release Approved - Way Ahead – Ms. Christina Medlin

## NIEM 4.1 RC2 will correct a couple discrepancies and will be released soon. NIEM 4.1 should be published with updates to schemas and Schema Subset Generation Tool (SSGT) and Movement tools in July 2018. Mr. Atri thanked the Lead Developer for their timeliness on model updates.

# NTAC Update - Mr. Webb Roberts

## NIEM JSON guidance is finished as a proof of concept technical specification with high level guidance. Drafting the NIEM JSON content for the NIEM Model Package Description (MPD) technical specification to incorporate JSON data as a legitimate NIEM format. The NTAC will provide an update during the Oct F2F meeting.

## The NTAC is developing a browsable version of NIEM content on niem.github.io where each NIEM component (type, property, definition, etc.) will have a web page to view comprehensive NIEM model content. There will be additional NIEM JSON information to support to technical data model viewing. If stakeholders would like to preview this capability, email Mr. Roberts at Webb.Roberts@gtri.gatech.edu.

# International Tiger Team – Mr. Kamran Atri, Mr. Thomas Krul

## Currently reviewing CDC and some EM domain IEPDs data attributes for inclusion into NIEM 4.2. The 2nd Tiger Team teleconference is scheduled for July 19; 2018, and will discuss plans for the F2F. Domain stakeholders are encouraged to participate; invite your friends.

## Public Safety Canada (PSC) is working to identify EM domain terms that can be used with first responders and automated realt-time message translation tools. Many agencies across the Canadian government are interested in adopting NIEM and are moving forward with a national data strategy.

## Mr. Krul will follow up with Mr. Scott Syms supporting the Royal Canadian Navy to develop Triton as the Situational Awareness tool for NATO nations. They have developed a name:value pair to encode positional data and is interested that NIEM has some JSON-encoded offerings that might be relevant. Mr. Syms is interested in establishing an "attribute" lexicon that would be a viable replacement for OTH Gold's positional messages.

# Emerging Technologies Tiger Team (ET3) – Mr. Lain McNeill

## The next ET3 teleconference will be in early August to plan deliverables for NBAC F2F. The Emergency Management community is working to improve public safety by incorporating new information exchange technology.

# NIEM IEPD Registry – Mr. Mark Dotson (slide review)

## Ms. Grace emphasized that community buy-in and support is necessary to ensure utilization and value. The first technical task is to specify the minimal metadata required to provide meaningful search results while minimizing the administrative burden. Mr. Atri wants the IEPD Registry to go live this year to provide value to developmental efforts. He stated that NBAC feedback is important and offered that additional metadata items can be added. The registry should also help answer questions about who is using NIEM. He thanked Ms. Grace for leading progress toward the realization of the IEPD Registry.

# Domain Highlights

## **Immigration Domain** - Mr. Luvisia Molenje: Immigration is using NIEM as a canonical model to exchange information between 32 external partner systems with their service oriented architecture (SOA) enterprise service bus (ESB). Each information exchange has a different application program interface (API) that is relatively easy to implement for one-to-one exchanges; however, it rapidly becomes complex as the number of interfaces increases. They are moving toward JSON exchanges with an API driven design with publication/subscription services with the Apache Kafka open-source stream-processing software platform. Mr. Atri commended Immigration for their enterprise approach of adapting to the changing technological environment and asked Immigration to showcase their best practices at the NBAC F2F.

## **Bureau of Census** - Mr. Chris Carrino: In preparation for the rapidly approaching 2020 Census, they are finishing their 2018 end-to-end (dress rehearsal) test with 62 systems exchanging live census data in Providence, RI. They are focused on getting agreement on platform independent data elements, and will move forward with IEPDs. This is a huge semantic accomplishment and are working the business processes. Their inter-agency Generic Statistical Information Model (GSIM) name space includes over 200 types and 2000 NIEM conformant data element terms that may form the basis for a NIEM statistical domain. The GSIM contains some NIEM Core, Maritime and MilOps domain elements. They will release their draft data model later this summer. Mr. Atri thanked Mr Carrino for their large and difficult endeavor, and offered NBAC assistance to help harmonize their data model with NIEM. Mr. Atris asked that this effort an update be provided at the NBAC F2F.

## **Biometrics Domain** – Mr. Thomas Freed: DHS OBIM is working to expand DNA information functionality that advances both NIEM Biometrics domain content and their Futures Identity Tiger Team objectives. DNA information is especially important for border protection and keeping families together. The Rapid DNA prototype is hosted on Amazon Web Services (AWS) and supports five use cases. The plan is to transition to GovCloud this fall and push the DNA common data model to NIEM GitHub.

# Closing Remarks - Co-Chairs, All

## Mr. Atri highlighted that today's call demonstrated the strength of the NIEM community with a lot of good work being accomplished. There are many opportunities to collaborate, synchronize, and build synergy across domains and leverage Tiger Team activities. The NBAC is here to support and hopes everyone has a good 4th of July.

The Next NBAC Monthly Meeting: 23 August 2018

**NBAC Collaboration Zone (CZ)**

Roster, Action Items, and Meeting Minutes:

<https://wss.apan.org/s/NIEMPMO/NBAC/SitePages/Home.aspx>

*To create an APAN account*: <https://passport.apan.org/apan/registration/initiate>

**Attendance:**

| **First Name** | **Last Name** | **Community / Domain**  | **Organization** |
| --- | --- | --- | --- |
| AJ | Malik | Health | Iris Health Solutions  |
| Chris | Carrino | Statistics | Bureau of Census |
| Christina  | Medlin | NIEM | GTRI |
| Charles | Chipman | Military Operations | GTRI JS J6 |
| Diane | Stephens | Biometrics | NIST |
| Heather | Grace | NBAC | Joint Staff J6 |
| Kamran | Atri | EM  | DHS NPPD OCIO |
| Lain  | McNeill | EM | CSE-Corp |
| Luvisia | Molenje | Immigration | DHS USCIS |
| Mark | Dotson | Military Operations | DOD JS J6 |
| Melson | Martis | CBRN | DHS DNDO |
| Peter | Mance | Biometrics | Integral Consulting |
| Ralph | O'Connell | Military Operations | DOD JS J6 |
| Rodney | McCoy | Military Operations | DOD JS J6 |
| Shunda | Louis | Military Operations | JS J6 |
| Thomas | Freed | Biometrics | DHS NPPD OBIM,  |
| Thomas | Krul | Canada | Canada, Public Safety |
| Timothy | Grapes | NIEM/EM/Justice | IJIS Institute |
| Webb | Roberts | NIEM | GTRI |
| Scott | Roberts | EM |  |