**NIST Big Data Public Working Group (NBD-PWG)**

**NBD-PWD-2015/M0482**

**Source:    NBD-PWG**

**Status:     Draft**

**Title:       NBD-PWG Meeting Agenda for Dec. 15, 2015**

**Author:    NBD-PWG Subgroup Co-Chairs**

Meeting logistics

Date/time: Dec. 15, 1:00PM – 3:00PM EDT

Web conferencing tool: <https://global.gotomeeting.com/join/790820565>

Audio: Use your microphone and speakers (VoIP) - a headset is recommended, or, call in using your telephone (US, long distance): +1 (646) 749-3122, access code/meeting ID: 790-820-565

## **Agenda**

1. Planning a face-to-face meeting at NIST for NBD-PWG in June, 2016 (or later) ???
   1. Agenda (draft ideas, not in any priority order)
      1. Showcase white papers with demonstrations (if any)
      2. Present V2 draft documents (focus newly added/enhanced definitions, taxonomies, UC & requirements, SnP, RA interface, Standards Roadmap, etc.)
         1. Subgroup co-chairs present respective volume document
         2. Breakout discussion per volume document (as needed)
      3. Invite speakers
         1. From academic, industry, and government
         2. From potential collaborators/adopters
         3. Etc.
   2. Preparation (things need to be in place)
      1. More detail preparation steps/deadlines would be proposed soon
      2. White paper template available
      3. Written use case white papers available
         1. Running demos would be available on NIST hybrid cloud (desirable)
   3. Others…
2. Review contributions
   1. M0459 – SP1500-1 High Level Summary and Comments ARR 20151101, Nancy, Ann
   2. M0460 – M0392\_v1\_3022325181 SP1500-1 ARR Annotated in Yellow, Nancy, Ann
   3. M0471\_v5 – BDRA to use case 3 mapping table, Russell
   4. M0473 – Draft Proposal to enhance Privacy in Big Data systems, Cavan Capps
   5. M0476\_v2 – Operational Activities vs Capabilities, Russell
   6. M0479 -- Use\_Case\_3\_Twitter\_rr, Russell
   7. Data integrity, PW
3. Use case status report:
   1. UC#6: Data Warehouse and Data Mining – Korin Reid
   2. Others…
4. No NBD-PWG telecon till Jan. 5, 2016???
5. Others ??

**NBD-PWG V2 Activities, Deliverables, and Timelines**

**[TR – Technical Report, IS – International Standard, ED – Editors Draft, WD – Working Draft]**

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| --- | --- | --- | --- | --- | --- | --- |
| **Activities**  **NBD**  **Documents** | **V1**  **RA**  **Components**  **[09/16/15]** | **V2**  **RA**  **Interfaces**  **[06/15/16]** | **White Paper**  **RA**  **Best Practices**  **[ongoing]** | **V3**  **RA**  **Validation**  **[03/15/17]** | **ISO/IEC**  **JTC 1/WG9**  **[12/31/17]** |  |
| **Overview &**  **Vision** | -- | -- | **Based from the NIST six use cases (M0399)**  Activities and Functional exercise (M0437)   1. UC#1: Fingerprint Matching 2. UC#2: Human Face Detection from Video   Ann, [date]   1. UC#3: Live Twitter Analysis   Russell [11/13/15]  PW, Gretchen, [date]   1. UC#4: Big data Analytics for Healthcare   Russell, Mark [10/19/15]   1. UC#5: Spatial Big data/Spatial Statistics/GIS 2. UC#6: Data Warehouse and Data Mining   Russell, Sharaf [10/16/15]  Korin, Ann, [date]   1. Big Data for Security   Sharaf [date]   1. Security and Privacy   Cavan, Gregory, Mark, Arnab [date]   1. Others…   Implementation exercise   1. UC#1: Fingerprint Matching   Geoffrey, [date]   1. UC#2: Human Face Detection from Video   Geoffrey, [date]   1. UC#3: Live Twitter Analysis   Geoffrey, [date]   1. UC#4: Big data Analytics for Healthcare   Wo, Nancy, TC69, [12/30/15]  Ian and his students, [date]  Geoffrey, [date]   1. UC#5: Spatial Big data/Spatial Statistics/GIS   Geoffrey, [date]   1. UC#6: Data Warehouse and Data Mining   Geoffrey, [date]   1. Stock market   Geoffrey, [date]   1. Others… | -- | ISO 20547-1 [TR]  Framework & Process  1st WD: 12/04/15  1st ED: 10/01/15 |  |
| **Vol. 1**  **Definitions** | Done | 1. Governance, ownership   Ann, Jim, [date]   1. Provenance, curation   Jim [date]   1. Others… | Wait for V2 | ISO 20546 [IS]  Overview &  Vocabulary  2nd WD – 12/04/15  1st WD – 07/20/15  1st ED – 04/17/15 |  |
| **Vol. 2**  **Taxonomies** | Done | 1. Harmonize with RA components   Nancy, [date]   1. Others… | Wait for V2 | -- |  |
| **Vol. 3**  **Use Cases &**  **Requirements** | Done | 1. Seek use cases using new UC template   Geoffrey, Piyush, [date]   1. Others… | Wait for V2 | ISO 20547-2 [TR]  UC & Derived Reqs.  1st WD: 12/04/15  1st ED: 10/01/15 |  |
| **Vol. 4**  **Security &**  **Privacy**  **Fabric** | Done | 1. Universal SnP Taxonomy   Arnab, Mark, [date]   1. Explore NIST IR 8062,   Mark, [date]   1. Others… | Wait for V2 | ISO 20547-4 [IS]  -- Same Title --  1st WD: 12/04/15  1st ED: 10/01/15 |  |
| **Vol. 5**  **White Paper**  **Survey** | Done |  | -- | -- |  |
| Wait for V2 | ISO 20547-3 [IS]  -- Same Title --  1st WD: 12/04/15  1st ED: 10/01/15 |  |
| **Vol. 6**  **Reference**  **Architecture** |  |
| Done | 1. Enhance RA components description   Dave, [date]   1. Establish preliminary RA interfaces 2. Dave, [date] 3. Others… |  |
| **Vol. 7**  **Standards**  **Roadmap** | Done | 1. Extend related SDOs listing   Russell, [02/14/16]   1. Enhance gap analysis how to enable RA   Russell, [04/12/16]   1. Others… | Wait for V2 | ISO 20547-5 [TS]  -- Same Title --  1st WD: 12/04/15  1st ED: 10/01/15 |  |