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

**NBD-PWD-2016/M0493**

**Source:    NBD-PWG**

**Status:     Draft**

**Title:       NBD-PWG Meeting Agenda for Jan. 26, 2016**

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

Meeting logistics

Date/time: Jan. 26, 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. Last week action items
   1. Share Census Security and Privacy practices and position, Cavan
   2. Discuss identified ~6 missing items in Vol. 1 Definition, Nancy and Ann
      1. Whitepaper implication of Big Data in social, business, public, knowledge extraction, and lifecycle, etc.
   3. Explore new possible use cases using UC V2 template, Piyush and Geoffrey
   4. Standard groups mapping spreadsheet, Mark
2. Planning face-to-face meeting at NIST for NBD-PWG, Sept. 20 - 22, 2016? NIST Cloud, 9/13-15
   1. Identify V2 focus areas before going forward (two months’ preparation):
      1. At least one white paper documentation with implementation
      2. White paper template available
      3. Identify early adopters from academic, industry, and government
         1. Document using white paper template with small-scale implementation
      4. Clear NBD-PWG V2 direction on tasks and deliverables

[subgroup co-chairs need to identify tasks and deliverables from Section 1.5]

[to share vision on V2 and beyond; identify focus areas for possible contributions]

* + - 1. Vol.1 Big Data Definitions
         1. Big Data white paper
      2. Vol. 2 Big Data Taxonomies
      3. Vol. 3 Big Data UC & Requirements
         1. Collect new use cases with new UC template
      4. Vol. 4 Security & Privacy
         1. Unified SnP Taxonomies
         2. Privacy White Paper
      5. Vol. 5 Big Data Arch. White Paper (no activity)
      6. Vol. 6 Big Data Architecture with Preliminary Interfaces
         1. Set of white papers with possible implementations
         2. Identify various views for the RA
      7. Vol. 7 Big Data Standards Roadmap

1. 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 |  |