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

**NBD-PWD-2014/M0280**

**Source: NBD-PWG**

**Status: Draft**

**Title: NBD-PWG V2 Kick-off Meeting Agenda for January 15, 2014**

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

**Meeting logistics:**

Dial-in Phone: 206-402-0823, Participant code: 272-30-504

Web conferencing tool: <http://nistdd.megameeting.com/guest/#&id=115333>

**Agenda**

1. General
   1. Appreciation for V1.0 Co-Chairs and members:
      1. Definitions and Taxonomies: \*Nancy Grady (SAIC), Natasha Balac (SDSC), Eugene Luster (R2AD)
      2. Requirements: \*Geoffrey Fox (U. of Indiana), Joe Paiva (VA), Tsegereda Beyene (Cisco)
      3. Security and Privacy: \*Arnab Roy (CSA, Fujitsu), Nancy Landreville (U. of MD), Akhil Manchanda (GE)
      4. Reference Architecture: \*Orit Levin (Microsoft), James Ketner (AT&T), Don Krapohl (Augmented Intelligence)
      5. Technology Roadmap: \*Carl Buffington (USDA), Dan McClary (Oracle), David Boyd (Data Tactic)
   2. Welcome V2.0 Co-Chairs
2. V1.0 Working Drafts Status and Plans
   1. NBD-PWG plans to publish the following working drafts:
      1. Big Data Definitions
      2. Big Data Taxonomies
      3. Big Data Use Cases and Requirements
      4. Big Data Security and Privacy Requirements
      5. Big Data Architectures White Papers Survey
      6. Big Data Reference Architectures with Security and Privacy Fabric
      7. Big Data Technology Roadmap
   2. Publication process and estimated schedules:
      1. One month technical editing for consistency in styles, terms, flow, etc. across all documents
      2. Two months for RFI
      3. Two months to incorporate comments
      4. One month NIST internal review
      5. Release NBD-PWG V10 publications
3. V2.0 Goals
   1. Identifying a few unique Big Data use cases or patterns for actual implementations
   2. Identifying general interfaces between Reference Architecture key components
   3. Produce V2.0 working drafts
4. V2.0 Subgroups, Tasks, and Deliverables
   1. **Use Cases & Requirements**: to work with use case submitters to identify unique Big Data scenarios and requirements for actual implementations.

Deliverable: expand V1.0 to include implementation use cases’ workflow and requirements

* 1. **Security & Privacy**: to work with use case submitters to identify security and privacy issues and requirements and how to address them during the actual implementations.

Deliverable: expand V1.0 to include implementation use cases’ security & privacy issues and requirements

* 1. **Taxonomy & Reference Architecture**: to work with the implementation team and develop high-level interface calls between RA key components by learning how the low-level implementation work. Cross-check taxonomy actors, roles and activities with RA components and interfaces.

Deliverables:

1. Taxonomy – expand V1.0 to include implementation use cases’ actors, roles and activities.
2. RA – expand V1.0 to include interface abstraction between RA key components.
   1. **Technology Roadmap**: to gather information from other subgroups to assess the implementation needs, identify standards gaps, and propose standardization priorities for future standards development.

Deliverable: expand V1.0 to include new information from other subgroups plus standards gaps and propose standardization priorities.

1. V2.0 and RDA (BDI-WG) Goals and Tasks
   1. V2.0 goals: produce a set of preliminary high-level interface abstractions between RA key components, namely the (a) System Orchestration, (b) Data Provider, (c) Big Data Application Provider, (d) Big Data Framework Provider, and (e) Data Consumer
   2. BDI-WG goals: establish implementation guidelines for how to map best technologies and solutions to the identified Big Data use cases using NBD’s RA
   3. V2.0 tasks:
      1. Work with use case submitters to identify unique Big Data scenarios and requirements for actual implementations. This includes security and privacy concerns and requirements.
      2. Work with the BDI-WG to develop high-level interface calls between RA key components by learning how the low-level implementation work
      3. Establish preliminary high-level interface abstraction between RA key components
   4. BDI-WG tasks
      1. Work with NBD-PWG to understand the RA structure and identified use cases
      2. Identify best Big Data technologies and solutions to implement the identified use cases
      3. Work with the use case submitters to implement their use cases
      4. Document the implementation process

Please email Wo if anyone wants to join BDI-WG.

1. New Meeting Schedules (bi-weekly telecon), starting Jan. 21 (next week)
   1. Every other Tuesday: Use Cases & Requirements + Security & Privacy
   2. Every other Thursday: Reference Architecture + Technology Roadmap
   3. Every last Wednesday of the month: Joint all subgroups for synchronization
   4. All meetings are from 1:00PM – 3:00PM EDT
   5. June 13: face-to-face meeting to present, discuss V2 working draft and next step
2. ISO/IEC JTC 1 Big Data Study Group meetings
   1. 1st meeting: March 18 – 21, 2014, San Diego Supercomputer Center, San Diego, US
   2. 2nd meeting: May 13 – 16, 2014, Universiteit van Amsterdam, Amsterdam, Netherlands
   3. 3rd meeting: June 16 – 19, 2014, Beihang University, Beijing, China