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

**NBD-PWD-2015/M0442**

**Source: NBD-PWG**

**Status: Draft**

**Title: Use Cases and Requirements Subgroup Meeting Agenda for Sept. 22, 2015**

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

Meeting logistics

Date/time: Sept. 22, 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. NBD-PWG Vol. 1 documents status
2. Review last week’s action items:
3. NBD-PWG 7 documents status: APPROVED! Needs to follow some administration process before release.
4. Appointing new co-chair for NBD-PWG Standards Roadmap Subgroup
5. Recapture: Walk through the selected use case using the NIST RA conceptual model:

Thanks to those willing to apply the NIST identified six use cases

(<http://bigdatawg.nist.gov/_uploadfiles/M0399_v3_9386924556.doc>) to NIST RA Conceptual Model (<http://bigdatawg.nist.gov/_uploadfiles/M0437_v1_8937283419.pptx>) for RA Activities View and RA Functional View. The NIST six use cases are:

* 1. UC#1: Fingerprint Matching
  2. UC#2: Human Face Detection from Video (simulated streaming data)
  3. UC#3: Live Twitter Analysis
  4. UC#4: Big data Analytics for Healthcare Data/Health informatics
  5. UC#5: Spatial Big data/Spatial Statistics/Geographic Information Systems
  6. UC#6: Data Warehouse and Data Mining

The following volunteers are willing to walk through the selected use case with the NIST RA conceptual model:

1. Ann Racuya-Robbins: UC#2
2. Korin Reid: UC#4 and UC#6
3. Russell: UC#3, UC#4, UC#6
4. Gretchen: UC#3
5. PW: UC#3
6. Robert Reyling and Russell will help Dave to work on the Reference Architecture out from IEEE 42010
7. Tim will help Wo to draft some justification to apply free computing in a cloud from AWS, Microsoft, Google, etc.
8. NBD-PWG Subgroups Meeting Schedules (from July 21 – September 29)

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| --- | --- | --- | --- | --- |
| **Date** | **Subgroup** | **Topics** | **ISO Deadline** | **Co-Chairs** |
| 07/21 | Security &  Privacy | * How to prepare Vol. 4 for ISO 20547-4 Security & Privacy Fabric * Universal SnP Taxonomies * V2.0 business * Others… | Sept. 1 | Arnab & Mark |
| 07/28 | Ref. Arch.(1) | * How to prepare **ISO 20547-1** Framework & Application Process * Seek contributors | Sept. 1 | David |
| Use Cases & Requirements | * How to prepare Vol. 3 for ISO 20547-2 Use Cases & Derived Requirements | Sept. 1 | Geoffrey and Piyush |
| 08/04 | Definitions & Taxonomies | * Review ISO 20546 WD1 Overview and Vocabulary * V2.0 business * Others… | Oct. 1 | Nancy |
| 08/11 | Standards Roadmap | * How to prepare Vol. 7 for ISO 20547-5 Standards Roadmap * V2.0 business * Others… | Sept. 1 | David |
| 08/18 | Ref. Arch. (2) | * Review and prepare **ISO 20547-1** Framework & Application Process | Sept. 1 | David |
| 08/25 | Ref. Arch. | * Resubmission ISO 20547-3 with brief justifications * V2.0 business * Others… | Oct. 1 | David |
| 09/01 | Security &  Privacy | * Universal SnP Taxonomies * V2.0 business * Others… |  | Arnab & Mark |
| 09/08 | Ref. Arch. | * V2.0 business * Others… |  | David |
| 09/15 | Use Cases & Requirements | * V2.0 business * Others… |  | Geoffrey and Piyush |
| 09/22 | Standards Roadmap | * V2.0 business * Others… |  | David |
| 09/29 | Definitions & Taxonomies | * V2.0 business * Others… |  | Nancy |

1. Standards Roadmap Subgroup – David
   1. ISO 20547-5 document status – David
   2. From Vol. 7 Section 1.5: Future Work on this Volume

* Continue to build and refine the gap analysis and document the findings;
* Identify where standards may accelerate the adoption and interoperability of Big Data technologies;
* Document recommendations for future standards activities; and
* Further map standards to NBDRA components and the interfaces between them.

1. Others…