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

**NBD-PWD-2016/M0578**

Source:    NBD-PWG

Status:     Draft

Title:        NBD-PWG Meeting Agenda for Nov. 15, 2016

Author:   NBD-PWG Subgroup Co-Chairs

 Meeting logistics

Date/time: Nov. 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. 6th ISO/IEC JTC 1/WG 9 Working Group on Big Data meeting, George Mason University, Fairfax, VA, David Boyd (Host/POC)
   1. Nov. 28: 3rd International Workshop on Big Data Standards: U.S. Initiatives

(Open to public but need registration: <https://www.linkedin.com/pulse/international-big-data-standards-workshop-ray-walshe>)

* 1. Nov. 29 – Dec. 2: WG 9 standard meetings

1. NBD-PWG Work plan and schedule (see schedule below) – Wo
2. NBDIF Version 2 document approaches (use same style and format):
   1. Replacement of Version 1 (enhance existing content plus new topics)
3. NBDIF Version 2 for all volumes – document progress report:

(Prioritize V2 topics given March 30/31 workshop timeline; place rest of topics as future items)

1. Vol. 1 Definitions – Nancy

<https://docs.google.com/document/d/1kMu-EuFsJI6REnpNqshklvdoL4YLPAOy_sHCmvfNprc/edit?usp=sharing>

New topics:

* Cloud
* IoT
* Embedded Computing – Cyber Physical Systems
* Mobile, Edge, Fog, and Cloud Computing
* Others…

1. Vol. 2 Taxonomies – Nancy

<https://docs.google.com/document/d/1G8JTbcUwYE7uN82-TYYMfbDwJxCheooMsfktelXTWIc/edit?usp=sharing>

New topics:

* Data taxonomies
* Mapping Big Data taxonomies to cloud, IoT, CPS, etc.
* Others..

1. Vol. 3 Use Cases & Requirements – Geoffrey & Piyush

<https://docs.google.com/document/d/1SRaRPh_hOO_mYLy8qtG-kmsckbAhNIXnbGJ0SJBR6HU/edit?usp=sharing>

New topics:

* New use cases (if any)

1. Vol 4 Security & Privacy – Arnab & Mark

<Vol. 4 Security & Privacy – forth coming>

New topics:

* SnP Cryptographic Technologies for Data Transformations, Arnab

[~~https://docs.google.com/document/d/1r3l75i-33leA8--qTE-QZfI0ruJKB7kwmcCwuQ\_6HA8/edit?usp=sharing~~](https://docs.google.com/document/d/1r3l75i-33leA8--qTE-QZfI0ruJKB7kwmcCwuQ_6HA8/edit?usp=sharing)

<https://drive.google.com/file/d/0BzQlzFarkgmGZEJEeG1QcnVkSkk/view?usp=sharing>

* SP1500-4 Safety Levels, Mark

https://drive.google.com/file/d/0BzQlzFarkgmGMm9JbkY5Z1JmV2c/view?usp=sharing

1. Vol. 6 Reference Architecture – David

<https://docs.google.com/document/d/1Tol4tKxo-xugIjVyjfm9GSJpbNRFB3AFXQ4unKJjW0w/edit?usp=sharing>

New topics:

* RA Multiple Views
* Others…

PPT diagrams

<https://docs.google.com/presentation/d/1CXRUgjoe5PaU-vNk8-aESBuHwGwS6lD_iLKd6lrIa3c/edit?usp=sharing>

1. Vol. 7 Standards Roadmap – Russell

<https://docs.google.com/document/d/1glX0vwWLgxcpxf_E60t0FGrOcoD3c9h5O7DIDJTp8Ng/edit?usp=sharing>

New topics:

* Adoption
* Maturity
* Others…

Note: we may want to look at the ISO/IEC JTC 1/WG 9 Study Group Report to see how to expand them (<http://www.iso.org/iso/big_data_report-jtc1.pdf> ) under:

Section 6 on Potential gaps in standardization

Annex A on Mapping table between SCs and Big Data issues

1. White Paper Template – Wo

<https://docs.google.com/document/d/1KZnmbmz9DUKFlhSQ0TpZai0Bs_mWRL4rY_kmVcYf48E/edit?usp=sharing>

Implementation environment

* 1. CloudMesh – any updates?, Gregor
  2. Others…

1. White Papers status (have to be at system to system level) – Wo
   1. Big Data Implication – any updates?, Ann <- wrap-up this discussion
   2. Privacy – any updates?, Cavan
   3. Others???
2. Brainstorm March workshop invite speakers

(Very limited: workshop should focus more on the V2 discussion.

Invite speakers should focus vision of BD ecosystems and how data scientists can benefit)

**2017 NBD-PWG Work Plan (draft)**

|  |  |
| --- | --- |
| **Date** | **Tasks** |
| 10/04 –  11/30 | * Get Use Case & White Paper templates ready on SharePoint * Explore white paper implementation environment: CloudMesh, Mesos/Kubernetes with Docker microservices, etc. * NBD-PWG public website online |
| 11/30 – 03/30 | * Solicit new use cases & white papers with implementation via SharePoint (on-going) |
| 10/04 – 03/30 | * NBD-PWG Version 2 development (ongoing) |
| 03/30 – 03/31 | * NBD-PWG workshop (high-level program)   Day-1 (whole day)   * + Subgroup co-chairs V2 presentation   + White paper implementation lightning talk   + Breakouts for detail discussion   + Brief report back   Day-2 (AM)   * + Subgroup co-chairs V2 feedback presentation   + Action items and work plan |
| 03/31 – 04/30 | * Integrate workshop feedback into V2 |
| 05/01 – 06/15 | * V2 for public comments (45 days) |
| 06/15 –  07/30 | * Dispose public comments and get V2 draft for NIST review |
| 05/01 –  09/15 | * Fine-tune and more test on white paper implementation before making them available to public |
| 08/01 – 09/15 | * NIST internal review |
| 10/02 | * NBDIF Version 3 – Validation on interface ☺ | ☹ |