**NIST BD joint subgroup meeting minutes for Dec 16, 2013**

Prepared by Keith Hare, JCC Consulting, Inc.

**Scope**

* Recap Current Deliverables and Share Future Activities

Current Deliverables:

* + V1.0 Documents for Requirements and Sec. & Privacy – for technical editing
  + V1.0 Documents for Def. & Tax., Ref. Arch., and Tech. Roadmap – need harmonization
  + Schedule: every Monday, 1:00PM – 4:00PM EDT till Dec. 23, 2013
  + Goal: finalize all V1.0 draft documents (ready for technical editing) **by Dec. 23, 2013**
  + Reflector: please use [bigdatadeftax@nist.gov](mailto:bigdatadeftax@nist.gov), [bigdataarch@nist.gov](mailto:bigdataarch@nist.gov), and/or [bigdataroadmap@nist.gov](mailto:bigdataroadmap@nist.gov) for discussion

**Monday, December 16, 2013**

1. **Wo – Discussion of JTC1 Study Group meetings**

Tentative schedule:

* March 18-21, San Diego, USA
* May 13-16, Amsterdam, NL
* June 16-19, Beijing, China

1. **Felix – Management presentation**

* System Management
* Data Management
* Security/Privacy Management

Wo: leave security & privacy to the Security/Privacy subgroup.

PW: Leverage Security & Forensics work from Cloud Computing, tweak for Big Data reference architecture.

Felix: Section 4.3 that references more detailed Security & privacy section?

System security versus Big Data specific Security & Privacy issues

Management Features

Dave Boyd – Add

* automated provisioning
* automated deployment management and recovery
* Macro level resource management

Discussion of physical management

* Power management?
* Computer room access – stay away from this issue
* Monitoring versus management
* Environmental Physical Plant Monitoring

Section 4.2 Data Management

* Dave Boyd
  + Doesn’t separate Data management from system management
  + Dave can add some words
* Administration – Role
* Administrator – Activity

Resolution: put Data Management under System Management.

1. **PW: Technical Roadmap Section 7**

Big Data Related Multi-stakeholder Collaborative Initiatives

Include Cloud Computing

* People
* Processes
* Technology

1. **Need additional text for M0226 Reference Architecture document**

PW has some text, will resend

Infrastructure, Platforms, and Processing Framework

* David Boyd – brief write up of sub-components, lift some words from roadmap document

Orit – Reference Architecture is not currently in synch with the mind map.

Nancy and All: provide brief description to taxonomy level 1 and 2 for Taxonomy working draft document.

Nancy – copy level 1 & 2 taxonomy text from Taxonomy working draft into appendix under RA

Nancy: what else is needed?

* Orit – need more text
* Hard deadline – would much prefer to have all the proper text in Taxonomy and RA working drafts by Dec. 23. TR needs to get going with input from other subgroups.
* David – will look at section 3.3
* Felix – has been working on section 4
* Lock down the mind map on December 23
* Nancy – work on sentences for mind map topics

1. **David Boyd**

* Some missing pieces
* Needs to make a complete pass through the document

1. **Definition and Taxonomy – Nancy**

CAP/ACID/BASE – potentially lift from roadmap

Keith will look at Transactions, ACID, BASE, CAP theorem

1. **Next meeting: Dec. 23, 1:00PM - 4:00PM EST**

**Action Items**

* Pw needs to send Felix a copy of the NCC S&F WG Challenges Spread Sheet
* As noted, provide text input, get to Orit by the 22nd December 2013.

**Online Attendee List**

1. Wo Chang
2. Felix Jjeh
3. Nancy Grady
4. David Boyd
5. Bob Marcus
6. PW Carey
7. Keith Hare
8. Yuri Demchenko
9. Annie Sokol
10. Orit Levin
11. Pavithra Kenjige
12. Bill Mandrick
13. Arnab Roy

**Online Chat log**

(12:57 PM) Felix Njeh (COMINT): Wo, are you there?

(1:01 PM) David Boyd joined.

(1:02 PM) Bob Marcus joined.

(1:02 PM) Pw Carey, Compliance Partners, LLC joined.

(1:02 PM) Keith Hare, JCC Consulting, Inc. joined.

(1:03 PM) Yuri Demchenko (UvA) joined.

(1:03 PM) Pw Carey, Compliance Partners, LLC: Nice to hear your voices....Respectfully yours, Pw

(1:05 PM) Annie Sokol joined.

(1:07 PM) Orit joined.

(1:08 PM) Nancy Grady (SAIC): WO updates that the ISO meeting potponed to Mar 18-21 time frame

(1:08 PM) Pw Carey, Compliance Partners, LLC: Regarding the ISO Meetings....move meeting to March 18th....still up in the air from their point of view...ok Pw

(1:09 PM) Pw Carey, Compliance Partners, LLC: May 12th to the 16th Big Data Meeting in Amsterdam...NL...yes..?

(1:10 PM) PavithraKenjige joined.

(1:11 PM) Yuri Demchenko (UvA): I've already got interest and promised support from few organisations and companies in NL. Meeeting will be in Science Park Amsterdam, campus of the Univ of Amsterdam

(1:12 PM) Pw Carey, Compliance Partners, LLC: Keith...we'll send you a copy of our brief notes as well, however, we have to break at 2:30 this afternoon....my email address is pwc.pwcarey@gmail.com......Pw

(1:14 PM) Keith Hare, JCC Consulting, Inc.: Thanks PW.

(1:19 PM) Bill Mandrick joined.

(1:20 PM) Pw Carey, Compliance Partners, LLC: Regarding our Section 7 duties, obligations and responsibilities for the Collaboration of other Professional Groups Protocol efforts.....we're looking at using the NIST Cloud Computing ... &... Felix, please send me your email address and we'll send you the Challenges Security/Privacy Spreadsheet....if that's ok....Pw

(1:22 PM) Pw Carey, Compliance Partners, LLC: Automated Deployment & Recovery Management should be added as well, yes...?

(1:23 PM) Pw Carey, Compliance Partners, LLC: This goes to Provisioning....? yes....

(1:23 PM) Pw Carey, Compliance Partners, LLC: All could be under CM (Confguraton Management) yes....?

(1:25 PM) Pw Carey, Compliance Partners, LLC: Actually it's spelled...Configuration .... dumb keys....Respectfully yours, Pw

(1:27 PM) Pw Carey, Compliance Partners, LLC: Depending upon the level of competency of those required to implement and maintain these systems...too....Pw

(1:30 PM) Pw Carey, Compliance Partners, LLC: Two levels of Provisioning....Macro Level...&...the Micro Level....should we include 'Facility Management' / Infrastracture HVAC et al.....Physical Security et cetera.....Pw

(1:31 PM) Pw Carey, Compliance Partners, LLC: Closed Circuit TVs....which offer an access point into the systems for the bad guys....too...Pw

(1:33 PM) Pw Carey, Compliance Partners, LLC: Power Management....via Smart Grids are also vulnerable to outside modifications.....as well....Pw

(1:38 PM) Pw Carey, Compliance Partners, LLC: Data Management to satisfy all aspects of CIA & GRC will be swell.....Pw

(1:39 PM) Pw Carey, Compliance Partners, LLC: Data Base Management...represents exactly what....?

(1:40 PM) Pw Carey, Compliance Partners, LLC: Does this cover data formats.....compability...et cetera...?

(1:41 PM) Arnab Roy (Fujitsu) joined.

(1:41 PM) Pw Carey, Compliance Partners, LLC: Good afternoon Arnab.....Respectfully yours, Pw

(1:43 PM) Pw Carey, Compliance Partners, LLC: That sounds good Felix....

(1:43 PM) Pw Carey, Compliance Partners, LLC: Section 4.2 would cover Data Base Management....

(1:47 PM) Pw Carey, Compliance Partners, LLC: We can generate (with little time/resources involved) we can provide a respected glossary/definition of terms....yes...? Pw

(1:48 PM) Pw Carey, Compliance Partners, LLC: And borrow as much as possible from IEEE, IETF, et cetera......no...?

(1:49 PM) Pw Carey, Compliance Partners, LLC: Pw needs to send Felix a copy of the NCC S&F WG Challenges Spread Sheet.....

(1:53 PM) Pw Carey, Compliance Partners, LLC: This would also touch upon 3rd Party Sub-Contractors....but not at this High Level....at this point in time....Pw

(1:55 PM) Pw Carey, Compliance Partners, LLC: & Records Management, too...

(2:01 PM) Arnab Roy (Fujitsu) disconnected.

(2:06 PM) PavithraKenjige disconnected.

(2:06 PM) Pw Carey, Compliance Partners, LLC: We have some comments which we'll send off to Orit....Respectfully yours, Pw

(2:07 PM) Pw Carey, Compliance Partners, LLC: Will do.....we'll send our comments to Orit....& thanks, too....

(2:09 PM) Arnab Roy (Fujitsu) joined.

(2:12 PM) Pw Carey, Compliance Partners, LLC: Pw owes & will send Mr. Chang his Security/Privacy template overlay to Section 7, which addresses a perspective supporting data Governance, Risk & Compliance (GRC) & data Confidentiality, Integrity & Availability (CIA) more specifically in the area of Security & Privacy requirements.....quite a mouthful...but useful representing this one perspective....Respectfully yours, Pw

(2:13 PM) Pw Carey, Compliance Partners, LLC: & Data Forensics regarding same....Pw

(2:17 PM) Pw Carey, Compliance Partners, LLC: & provide Examples for each term....perhaps....?

(2:19 PM) Felix Njeh (COMINT): Sorry I had to run out ... we had a fire drill

(2:21 PM) Pw Carey, Compliance Partners, LLC: We owe Orit, Felix and Mr. Chang WG documentation by COB (Close of Business...Friday, Dec. 20th...Pw

(2:22 PM) Pw Carey, Compliance Partners, LLC: Dear Nancy, we have to break now.....but please send me any material you feel we should take a look at.....In closing, best wishes...Respectfully yours, Pw

(2:27 PM) Pw Carey, Compliance Partners, LLC disconnected.

(2:30 PM) Keith Hare, JCC Consulting, Inc.: Felix had to leave the building a bit ago.

(2:33 PM) Arnab Roy (Fujitsu) disconnected.

(2:48 PM) Bill Mandrick: I can dial in

(2:53 PM) Bill Mandrick disconnected.

(2:53 PM) David Boyd disconnected.

(2:53 PM) Orit disconnected.

(2:53 PM) Nancy Grady (SAIC): all prose additions need to be done by the 22nd