**NIST Big Data Working Group (NBD-WD)**

**NBD-WD-2013/M0056**

**Source: Security and Privacy Subgroup**

**Status: Draft**

**Title: Security and Privacy Subgroup Meeting Agenda for July 24, 2013**

**Author: Arnab Roy (Fujitsu), Nancy Landreville (U. of MD), Akhil Manchanda (GE)**

**Deliverables by September 27, 2013**

1. Big Data Use Cases for Security and Privacy
2. Big Data Security and Privacy Reference Architecture

**Action Items**

Seeking contributions on use cases from all verticals. Format:

* Vertical
  + List of scenarios
  + For each scenario, current method to ensure security and privacy
  + Gaps, if any
  + Current research on the topic (Can be filled in later)
* Re-structuring the topics in the scope, based on today’s feedback
* Seeking additional topics which you think should be in the scope
* Synergizing with the Reference architecture group for developing the Security Reference Architecture

**Use Cases (Please add your input here)**

1. Retail
   1. Scenario 1
      1. Current Method for Security and Privacy
      2. Gaps, if any
      3. Current Research
   2. Scenario 2
   3. …
2. Healthcare
   1. Scenario 1 ‘Health Information Exchange’
      1. Current Method constraints to federation as needed
      2. Need for HIPAA-capable cryptographic controls and key management
      3. Sketchy, but technologies are ready for practical implementation
   2. Scenario 2 ‘Genetic Privacy’
      1. Data ownership
      2. Data uses
3. Energy
4. Social Media
5. Government
6. Finance
7. Medical Research
8. Education
9. Marketing
10. Media
11. Transportation
12. Big Data Brokering
13. Housing
14. Communications
15. Environmental
16. Labor
17. Entertainment
18. …

**Use Case Example Draft – presentation by Roy Peter D’Souza, AlephCloud Systems**

Please refer to attached pdf

**Key points from Big Data Security Conference, Boston, 17-18 July – presentation by Akhil Manchanda, GE**