**NBD-Requirements Agenda August 13, 2013**

1. Current Status of Use Cases and Template (see http://bigdatawg.nist.gov/\_uploadfiles/M0105\_v1\_9285264375.docx)
2. Relation of Requirements to Use Case Templates
3. Proposed Structure of Final Report (see Below)
4. Network Implications of Big Data (left over from last agenda)

Proposed Contents of Report

**Executive Summary.**

**1 Introduction.**

1.1 Objectives.

1.2 How This Report Was Produced.

1.3 Structure of This Report.

**2 Use Case Scenarios – Vertical Applications.**

2.1 Use Case Template.

2.2 Earth Science: Atmospheric Turbulence - Event Discovery and Predictive Analytics.

2.3 Healthcare: Pathology Imaging/digital pathology.

2.4 Healthcare: Genomic Measurements.

2.5 Industry: Cargo Shipping.

2.6 Earth Science: Radar Data Analysis for CReSIS.

2.7 Particle Physics: Analysis of LHC Large Hadron Collider Data: Discovery of Higgs particle.

2.8 Consumer Service: Netflix Movie Service.

2.9 Internet Service: Web Search.

**3 Use Case Requirements**.

3.1 Data Source Requirements:

3.2 Transformation Requirements:

3.3 Resource Requirements.

3.4 Data Usage Requirements:

3.5 Security & Privacy Requirements:

3.6 System Management Requirements:

3.7 Lifecycle Management Requirements:

**4 Service Abstractions (SAs).**

4.1 What is an SA?.

4.2 Service Abstractions Objectives.

4.3 Service Abstractions Management.

4.4 Types of Service Abstractions.

4.4.1 Data Service Abstraction.

4.4.2 Transport Service Abstraction.

4.4.3 Usage Service Abstraction.

**5 Conclusions and Recommendations.**

**6 Reference.**