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

**NBD-WD-2013/M0020**

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| **Source:** | Requirements Subgroup |
| **Status:** | Draft |
| **Title:** | Requirements Subgroup Charter |
| **Date:** | August 21, 2013 |
| **Author(s):** | Geoffrey Fox (University of Indiana), Joe Paiva (VA), Tsegereda Beyene (Cisco) |

**CHARTER for**

**Requirements Subgroup of**

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

**Background**

NIST is leading the development of a **Big Data Technology Roadmap.** This roadmap will define and prioritize requirements for *interoperability*, *portability*, *reusability*, and *extensibility* for big data analytic techniques and technology infrastructure in order to support secure and effective adoption of Big Data. To help develop the ideas in the **Big Data Technology Roadmap**, NIST is creating the Public Working Group for Big Data.

The focus of the NIST Big Data Public Working Group (NBD-PWG) is to form a community of interest from industry, academia, and government, with the goal of developing a consensus definitions, taxonomies, reference architectures, and technology roadmap. The aim is to create vendor-neutral, technology and infrastructure agnostic deliverables to enable Big Data stakeholders to pick-and-choose best analytics tools for their processing and visualization requirements on the most suitable computing platform and cluster while allowing value-added from Big Data service providers.

**Scope**

The focus of the NBD-PWG Requirements Subgroup is to form a community of interest from industry, academia, and government, with the goal of developing a consensus list of Big Data requirements across all stakeholders. This includes gathering and understanding various use cases from diversified application domains.

**Tasks**

* Gather input from all stakeholders regarding Big Data requirements.
* Analyze/prioritize a list of challenging general requirements that may delay or prevent adoption of Big Data deployment
* Develop a comprehensive list of Big Data requirements

**Deliverables**

1. Produce a working draft for Big Data General Requirements Document

**Target Date**

The goal for completion of INITIAL DRAFTs is Friday, September 27, 2013. Further milestones will be developed once the WG has initiated its regular meetings.

**Co-Chairs**

Geoffrey Fox (Lead), University of Indiana

Joe Paiva, VA

Tsegereda Beyene, Cisco

**Meeting Frequency**

It is anticipated that there will be weekly 2-hour meetings by telecon on Tuesdays from 11:00AM -1:00PM ET.

**Membership**

Participation in the WG and Subgroups are open to all interested parties. There are no membership fees.

**Coordination/Interaction**

This Subgroup will work closely with NBD-WG and with other big data related standards and best practices from industry, academia, and government.

**Standing Rules**

All information exchanged within the WG/Subgroup will be non-proprietary.

All information exchanged within the WG/Subgroup will contain non-PII materials.

WG/Subgroup members should assume that all materials exchanged will be made public.

Documents will be publicly accessible on the NIST Big Data Portal.

**Outreach**

WG results will be available to all stakeholders in the commercial, academic, and government sectors.