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

**NBD-PWD-2015/M0480**

**Source: NBD-PWG**

**Status: Draft**

**Title: Web chat from Meeting of Dec. 1, 2015**

**Chat Log C:\underwood\gov\NIST\Big Data\meeting-20151201\ChatLog 2015\_12\_01 14\_48.rtf**

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:07 PM: Dear Russell....we've got our comments on the Use Case......we'lll send it along right now....and we'll stay on Mutae.....thanks....

**Mark Underwood (to Everyone)**: 1:08 PM: All - We are taking a definitional detour as requested by Russell

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:09 PM: Sorry our Logitech Headphone's Microphone is kaput right now .....still a work in progress

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:15 PM: Just sent our Use Case Comments to Mr. Chang, Russell, and Mark......please comment at your leisure.....&

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:15 PM: Thanks....too....

**William Miller (to Everyone)**: 1:15 PM: for the NIST BDWG documents to be aaccepted by ISO JTC1 the differences in word usage should be resolved.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:16 PM: Dear Frank: Are they addressing 'Data Integrity' at this point in time...?

**Frank Farance (to Everyone)**: 1:17 PM: interrface: shared boundary between two functional units, defined by various characteristics pertaining to the functions, physical interconnections, signal exchanges, and other character-istics, as appropriate.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:20 PM: Dear Frank: Yes please.......we would like to review it......

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:21 PM: Dear Frank: Does LIPSE 13886...impact 'data integrity'.....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:23 PM: Fortran vs C programming languages had a cross performance issue....back in the 1980's....how do they call and call each other....Std. 2211....yes...?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:24 PM: Language independent Arithmatic...wow....Thanks Frank.....

**Ann Racuya-Robbins (to Everyone)**: 1:26 PM: Agree on the marketing perspective.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:32 PM: Adjusting the font size might fix the issue of size if it is an issue.....theortically that is.....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:33 PM: Neither do we....(aka: The Three Musketeers....)....

**Russell Reinsch (to Everyone)**: 1:33 PM: Frank: did not

**Mark Underwood (to Everyone)**: 1:34 PM: Frank - BigDataArch post just arrived

**Russell Reinsch (to Everyone)**: 1:37 PM: stemmed it

**Mark Underwood (to Everyone)**: 1:38 PM: new architectures for improved qualities in storage, manipulation, analysis, capabilities, and other benefits”

**Frank Farance (to Everyone)**: 1:41 PM: Pw: These three standards do not address data integrity issues. I agree data integrity is important, but not addressed in these three.

**Frank Farance (to Everyone)**: 1:45 PM: Pw: Language Independent Arithmetic (LIA) is a way of addressing the computing environment in a portable way across several kinds of numerical computing environments. So knowing that guard bits are preserved on 64-bit floating point makes a difference in computation, possibly better/faster computations, but also possibly: less portable computations. So if you're working in a Java environment, this is still probably an issue for you. There's no singular right answer here, just a bunch of trade-offs and the LIA standards are there to characterize the environments.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:47 PM: Dear Frank: Thanks....very helpful to us to know....also, in the spirit of over-kill here's what we had in our Chat Log Minutes from last weeks meeting:

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:47 PM: Frank Farance (to All - Entire Audience): 10:57 AM: Big Data: field of study based on convergence of problems in: (1) irregular or heterogeneous data structures, their navigation, query, and datatyping; (2) computation parallelism and its management during deployment or execution; (3) descriptive data and self-inquiry about objects for real-time decision-making; and/or (4) presentation and aggregation of data that exceed visual limitations of a single page

Note 1: Big Data is not necessarily about a large amount of data because many of the concerns can be demonstrated with small (less than gigabyte) data sets. Big Data concerns typically arise in processing large amounts of data because the four main characteristics (irregularity, parallelism, real-time metadata, and/or presentation/visualization) are unavoidable in such large data sets.

Note 2: Computation parallelism issues concern the unit of processing (thread, statement, block, process, node, etc.), contention methods for shared access, and begin-susp

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:49 PM: This was chopped off......10:57 AM: Note 2: Computation parallelism issues concern the unit of processing (thread, statement, block, process, node, etc.), contention methods for shared access, and begin-suspend-resume-completion-termination processing......

Note 3: Descriptive data is also known as metadata. Self-inquiry is known as reflection is some programming paradigms.

Note 4: The visual limitations concern how much information a human can usefully process on a single display screen or sheet of paper. For example, the presentation of a connection graph of 500 nodes might require more than 20 rows and columns, along with the connections (relationships) among each of the pairs. Typically, this is too much for a human to comprehend in a useful way. Big Data presentation/visualization issues concern reformulating the information in a way that can be presented for convenient human consumption.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:05 PM: Dear William: Correct....and that is why the majority of C-Suite folks go with their 'hunch' rather than trusting 'Big Data' analytics and analysists......based upon recent reports coming out of KPMG....

**Mark Underwood (to Everyone)**: 2:07 PM: Isn’t this a curation staging concern?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:09 PM: Dear Mark: Yes....among others...and some have nothing to do with Big Data, but rather it does have a great deal to do with 'human nature'....et al.....Respectfully yours, Pw

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:16 PM: Dear William: Agree again....and that'

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:17 PM: that is why 'due diligence' and the will to pursue the truth is requisite.....also, the per centages of folks who trust any data coming out of governments around the globe has fallen and continues to fall......Go figure....Respectfully yours, Pw

**Mark Underwood (to Everyone)**: 2:17 PM: Isn’t this concern better placed in the SnP document vs. here? There is no context in this section of the definitions for privacy, security, ownership. And the organizational context, which does matter, isn’t here either. Those “business process” (“organizational process”) are relevant to be sure, but we haven’t tackled that here

**Mark Underwood (to Everyone)**: 2:23 PM: xbrl.sec.gov

**Mark Underwood (to Everyone)**: 2:23 PM: Getting some VOIP distortion here

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:24 PM: Dear William: The XBRL effort from the Netherlands....requires our best wishes....and a heart felt Good Luck with that......our apologies for the irony of our comments....(aka; the folks gaming the system do not want that data to get out......) irony....No?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:25 PM: Dear William: Based upon our professional experience the Financial Industry can not spell the word 'Fraud' much less nip it in the bud.....Pw

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:36 PM: Dear Nancy: Partly correct....rather it's the ability to organize the big data into useful constructs....that separates the wheat from that other stuff........(aka: oatmeal...)...Respectfully yurs, Pw

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:37 PM: How to spell 'yours' wood be a nice App....No?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:40 PM: Dear Folks: When mountain climbing, never, ever hand the other end of the rope to a person named 'uncertainity'.......

**Russell Reinsch (to Everyone)**: 2:46 PM: I have some more things I would like to get some feedback on

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:47 PM: Dear Russell: What are they......?

**Russell Reinsch (to Everyone)**: 2:47 PM: use case template

**Pw Carey, Compliance Partners, LLC (Private)**: 2:47 PM: Dear Mark: Russell...has a few more questions.....?

**Russell Reinsch (to Everyone)**: 2:47 PM: and mapping use cases to the bdra diagrams

**Pw Carey, Compliance Partners, LLC (Private)**: 2:47 PM: Re: The Use Case Template....

**Pw Carey, Compliance Partners, LLC (Private)**: 2:48 PM: Ok will do....Thanks....& Take Care, too...