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

**NBD-PWD-2017/M0610**

**Source: NBD-PWG**

**Status: Draft**

**Title: Web chat from Meeting of March 21, 2017**

**Chat Log D:\\_wo\1DMG\2015\\_BigDataWG\Docs\ChatLog 2017\_03\_21 15\_10.rtf**

**Tim Zimmerlin (to Everyone)**: 1:19 PM: Wirth started with...

**Tim Zimmerlin (to Everyone)**: 1:19 PM: Algorithms + Data Structures = Programs

**Tim Zimmerlin (to Everyone)**: 1:19 PM: Security Fabric = ???

**Tim Zimmerlin (to Everyone)**: 1:20 PM: ...Federation all the way down.

**Tim Zimmerlin (to Everyone)**: 1:20 PM: ...systems of systems...composed all the way down.

**Ann Racuya-Robbins (to Everyone)**: 1:21 PM: Mark can you give a better contextualized description of ontology

**Tim Zimmerlin (to Everyone)**: 1:21 PM: Ann, could anyone? ever?

**Ann Racuya-Robbins (to Everyone)**: 1:22 PM: Tim, well we just last week or so of including ontology

**Tim Zimmerlin (to Everyone)**: 1:24 PM: Ann, bad decision...recommend revoking that.

**Ann Racuya-Robbins (to Everyone)**: 1:24 PM: Also we haven't had a discussion of missing data, confounding, and other factors particlarly relevant in Big Data along with bias

**Tim Zimmerlin (to Everyone)**: 1:25 PM: ...if you must scratch that itch...use taxomony.

**Ann Racuya-Robbins (to Everyone)**: 1:25 PM: Couldn't agree more Tim!

**Ann Racuya-Robbins (to Everyone)**: 1:27 PM: A good correlate is what is happening in earth related terms.

**Russell 2 (to Everyone)**: 1:40 PM: note to self: xml variant of petri nets

**Russell 2 (to Everyone)**: 1:41 PM: Laurie - I closed the wrong button last week and so I didnt capture the chatlog. Can you send to me please

**Liu, CJ (to Everyone)**: 1:50 PM: NIST Special Publication 800-160, Systems Security Engineering

McEvilley, Michael A. Hild, Daryl R., Dr. (contributor) Winstead, Mark W, Dr. (contributor)

**Larkin, Jennie (NIH/NIDDK) [E] (Private)**: 1:51 PM: gotta go! Interesting call. Can you resend info about the meeting with the notes -- I dont think I signed up?

**Tim Zimmerlin (to Everyone)**: 1:52 PM: As a prelude to addressing outer space...with an abundance of caution, I recommend first starting with Antartica exploration vis a vis SnP.

**Liu, CJ (to Everyone)**: 1:53 PM: Medicare End-Stage Renal Disease, Dialysis Facility Compare (ESRD DFC) http://data.medicare.gov/data/dialysis-facility-compare

**Tim Zimmerlin (to Everyone)**: 1:54 PM: ...better to wait for version 3 rather than rush it into version 2 now.

**Ann Racuya-Robbins (to Everyone)**: 1:59 PM: Value your perspective but waiting often means the vacuum growns.

**Liu, CJ (to Everyone)**: 2:05 PM: https://www.usrds.org/2015/view/v2\_11.aspx

**Tim Zimmerlin (to Everyone)**: 2:17 PM: David, an architecture footnote: Intel Corp last week announced its commercial 3D X Point memory. It replaces both SSDs and DRAM with persistent memory.

**Tim Zimmerlin (to Everyone)**: 2:17 PM: ...limited availability...soon widely available.

**Tim Zimmerlin (to Everyone)**: 2:18 PM: ...hmmm...AWS, Azure, GPE...

**Tim Zimmerlin (to Everyone)**: 2:18 PM: ...typo...GCE...

**Tim Zimmerlin (to Everyone)**: 2:25 PM: Russell, kudos. AirBnB, Uber, LinkedIn, Zillow, more.

**Tim Zimmerlin (to Everyone)**: 2:25 PM: Data marketplaces are emerging.

**Tim Zimmerlin (to Everyone)**: 2:26 PM: US Cenus and DoD realize their security will turn off young talented data scientists. (closed versus open datasets).

**Tim Zimmerlin (to Everyone)**: 2:26 PM: ...typo...Census.

**Tim Zimmerlin (to Everyone)**: 2:27 PM: ...I listened to Facebook yesterday. Facebook is very cognizant of market potentials and privacy.

**Russ Reinsch (to Everyone)**: 2:37 PM: haha sorry those were notes to self. Im going to send v 2.9 to you today. Can you fix some indent issues I have and send back

**Russ Reinsch (to Everyone)**: 2:37 PM: Oh good

**Tim Zimmerlin (to Everyone)**: 2:40 PM: I recommend a complete definition of terms plus index.

**Tim Zimmerlin (to Everyone)**: 2:40 PM: I also recommend complete bibliography. E.g., open.gov, FAIR.

**Tim Zimmerlin (to Everyone)**: 2:41 PM: ...correction...data.gov.

**Russ Reinsch (to Everyone)**: 2:41 PM: Its seems to be limiting if we avoid documents just because their titles are mis-labelled.

**Tim Zimmerlin (to Everyone)**: 2:46 PM: Political correctness will be the end of us all.

**Ann Racuya-Robbins (to Everyone)**: 2:47 PM: 2:40 PM

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Russ Reinsch <<A HREF=>

Whose political correctness and what is it?

**Russ Reinsch (to Everyone)**: 2:48 PM: CJ Liu, MITRE.

**Tim Zimmerlin (to Everyone)**: 2:49 PM: CJ, we have discussed EarthCube as an open geo reference substrate for imagery. I have been to USGS workshops.

**Tim Zimmerlin (to Everyone)**: 2:50 PM: ...IMO EarthCube is ready for drone users.

**Russ Reinsch (to Everyone)**: 2:50 PM: @Tim - it seems like we are too short on time to spend much of it talking about clarifying everything for everyone, such as maintaining political correctness. @Ann: if you have written content to contribute, send it and let the group for evaluation.

**Tim Zimmerlin (to Everyone)**: 2:53 PM: Ann, in parliamentary procedure there are protocols for raising points and dissent.

**Tim Zimmerlin (to Everyone)**: 2:53 PM: ...in the US Congress members do little maneuvers that CSPAN audiences do not catch.

**Tim Zimmerlin (to Everyone)**: 2:54 PM: ...the Speaker merely retorts "duly noted".

**Liu, CJ (to Everyone)**: 2:56 PM: Robert, Copy that. I will reach out to Jon.

**Russ Reinsch (to Everyone)**: 2:58 PM: CJ: plug in your email address

**Liu, CJ (to Everyone)**: 2:58 PM: Mark, Sorry for missing your post on Chat. There are two good books on SysML for developing MBSE capability:

**Liu, CJ (to Everyone)**: 2:59 PM: A Practical Guide to SysML

3rd Edition

The Systems Modeling Language

Authors: Sanford Friedenthal Alan Moore Rick Steiner

Paperback ISBN: 9780128002025

https://www.elsevier.com/books/a-practical-guide-to-sysml/friedenthal/978-0-12-800202-5?gclid=Cj0KEQjwnsPGBRDo4c6RqK-Oqu8BEiQAwNviCaR\_th01cNRj4kjsxmfH8z56CGx4TVQeRRcJ\_P09xTUaAmVF8P8HAQ

**Mark Underwood (to Everyone)**: 2:59 PM: Reference in Nature mag about FAIR http://www.nature.com/articles/sdata201618

**Russ Reinsch (to Everyone)**: 3:00 PM: Could say there is a sustained objection.

**Liu, CJ (to Everyone)**: 3:00 PM: Russ, Yes, sure. It is cjliu@mitre.org

**Russ Reinsch (to Everyone)**: 3:01 PM: thanks CJ

**Liu, CJ (to Everyone)**: 3:01 PM: Another one on MBSE SysML: http://ptgmedia.pearsoncmg.com/images/9780321927866/samplepages/0321927869.pdf SysML Distilled

**Liu, CJ (to Everyone)**: 3:02 PM: Three other useful reference books are:

**Liu, CJ (to Everyone)**: 3:02 PM: 1. INCOSE Systems Engineering Handbook, ed.4 http://www.incose.org/ProductsPublications/sehandbook

**Mark Underwood (to Everyone)**: 3:03 PM: CJ, thanks!

**Russ Reinsch (to Everyone)**: 3:03 PM: Time for me to check out. Thanks everyone!

**Tim Zimmerlin (to Everyone)**: 3:03 PM: The NBD-PWG Web site has a clear chapter from the start.

**Liu, CJ (to Everyone)**: 3:03 PM: 2. http://sebokwiki.org/wiki/Guide\_to\_the\_Systems\_Engineering\_Body\_of\_Knowledge\_(SEBoK)

**Tim Zimmerlin (to Everyone)**: 3:04 PM: ...typo...charter.

**Russ Reinsch (to Everyone)**: 3:05 PM: Scope: system aspects

**Tim Zimmerlin (to Everyone)**: 3:05 PM: Ann, write and publish an essay of 500 words framing your talking points.

**Liu, CJ (to Everyone)**: 3:07 PM: 3. ISO/IEC/IEEE 15288:2015 Systems and software engineering -- System life cycle processes

**Mark Underwood (to Everyone)**: 3:08 PM: CJ - yep, fully aware of 15288 in IEEE P2675

**Liu, CJ (to Everyone)**: 3:09 PM: Mark, Cool. Sorry for mentioning something you already knew.

**Liu, CJ (to Everyone)**: 3:09 PM: I am brand new and have no idea about others' background.

**Robert Reyling (to Everyone)**: 3:09 PM: Wo, you did mention the charter's existence to me last week

**Liu, CJ (to Everyone)**: 3:10 PM: Everybody, Have a good one. Bye.