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

**NBD-PWD-2016/M0523**

**Source: NBD-PWG**

**Status: Draft**

**Title: Web chat from Meeting of April 26, 2016**

**Chat Log D:\\_wo\1DMG\2015\\_BigDataWG\Docs\ChatLog 2016\_04\_26 15\_23.rtf**

**NANCY GRADY (Private)**: 12:58 PM: do you have the doc that had names/assignments on it for each volume. Perhaps we can walk through that

**Russell Reinsch (to Organizer(s) Only)**: 1:10 PM: Note / Minutes taking: PHP on MySQL. Older version. Frank scraped website 1 year ago, offer to help get the site back up.

**David Boyd (to Everyone)**: 1:10 PM: Wo I will have to leave before 2pm

**Russell Reinsch (to Organizer(s) Only)**: 1:15 PM: Data Ownership: [Tim] not a legal concepts. Nancy: FB owns what you post. App creator owns. Tied to sharing.

**Lee Anne Davies (to Everyone)**: 1:16 PM: I've lost my audio connection - will exit and try re-entry

**NANCY GRADY (Private)**: 1:16 PM: Frank, sorry to hear you're not in the billion dollar club! :)

**NANCY GRADY (to Everyone)**: 1:17 PM: Frank, sorry to hear you're not in the billion dollar club! :)

**Russell Reinsch (to Organizer(s) Only)**: 1:17 PM: Intellectual

**Cavan (to Everyone)**: 1:18 PM: @Frank, so am I.... I could use some start up money

**Cavan (to Everyone)**: 1:19 PM: I would like to get in the que to make a comment

**Russell Reinsch (to Organizer(s) Only)**: 1:24 PM: Lifecycle may be simple substitutions.

**David Boyd (to Everyone)**: 1:25 PM: Wo, I would be happy to review the data science/analytics but do not have time to develop new material

**Russell Reinsch (to Organizer(s) Only)**: 1:25 PM: Tim: BD = data disco, pattern disco [ML]. Rapidly changing. Andrew Ng.

**Russell Reinsch (to Everyone)**: 1:27 PM: I have stuff on the lifecycle stages

**Tim Zimmerlin (to Everyone)**: 1:28 PM: Metadata is like standards…everyone has their own. : )

**Mark Underwood (to Everyone)**: 1:29 PM: Lee Anne and I discussed (not always concurring) on lifecycle as described in this deck http://bit.ly/1N6FlWM

**Russell Reinsch (to Organizer(s) Only)**: 1:29 PM: Cavan: key thing is to track metadata [in lifecycle] = Nancy provenance.

**Mark Underwood (to Everyone)**: 1:30 PM: Micah Altman at MIT Lib

**NANCY GRADY (to Everyone)**: 1:31 PM: Wo, Please share the doc

**Mark Underwood (to Everyone)**: 1:39 PM: Tim: See Progressive Snapshot https://www.progressive.com/auto/snapshot/

**Mark Underwood (to Everyone)**: 1:41 PM: Tim - My 2014 blog post on big data for insurance http://blog.syncsort.com/2014/09/big-data/actually-actuarials-big-data-insurance/

**Russell Reinsch (to Organizer(s) Only)**: 1:42 PM: I wonder what lifecycle info Nancy is looking for outside of the sections in crisp-dm

**Mark Underwood (to Everyone)**: 1:42 PM: FYI Lifecycle chart we've been looking at in S=P http://bigdatastandards.com/wp-content/uploads/2016/04/questions-generated-by-lifecycle-model.png

**Russell Reinsch (to Organizer(s) Only)**: 1:45 PM: I have nothing for that right now

**Russell Reinsch (to Organizer(s) Only)**: 1:45 PM: I will call in on the phone in a minute

**Lee Anne Davies (to Everyone)**: 1:47 PM: I was looking at the Snapshot info shared. It's about the algorithm applied to the data more than the data itself IMO. Any data can be used to your advantage or disadvantage.

**Russell Reinsch (to Organizer(s) Only)**: 1:47 PM: Can you hear me now. I would like to attend a MITRE meeting as well.

**Pw Carey (to Everyone)**: 1:48 PM: From our perspective BigData/Cloud/Mobile will change how business is conducted and regulated (aka: GRC)....For example our financial fraud detecting and prosecution software is just one example.....Respectfully yours, Pw......FINAL DRAFT COPY FOR REVIEW PURPOSES ONLY

Phalanx2 Fraud ID System® (P2), Ver. 0.1.b, April 25th, 2016

Author: Pw Carey, IT Auditor (GRC) CISSP, CISA, Compliance Partners, LLC,

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**Russell Reinsch (to Organizer(s) Only)**: 1:48 PM: Interpreter

**Tim Zimmerlin (to Everyone)**: 1:49 PM: Pw, what is your take on that Panama Law Company?

**Mark Underwood (to Everyone)**: 1:49 PM: If the Mitre meeting becomes important vs. crosstalk, I would be willing to attend

**Tim Zimmerlin (to Everyone)**: 1:51 PM: Mark, Mitre could back up the NBD-PWG, as policy makers, law makers, and Offices of CIOs tackle the concerns.

**Russell Reinsch (to Organizer(s) Only)**: 1:51 PM: Emergent: mosiac effect. Ann: inference is emerging.

**Mark Underwood (to Everyone)**: 1:51 PM: Tim , ack'd let me know as it shapes up

**Russell Reinsch (to Everyone)**: 1:52 PM: Tim: I would be up for collaborating with you on memory innovations

**Mark Underwood (to Everyone)**: 1:52 PM: A lot of the work there is classified, e.g, even their HIT work for the VA

**Tim Zimmerlin (to Everyone)**: 1:53 PM: Mark, I believe you mean confidential or "for official use only".

**Pw Carey (to Everyone)**: 1:53 PM: Dear Folks: The rest of the story....for financial fraud forecasting and prosectuion.......FINAL DRAFT COPY FOR REVIEW PURPOSES ONLY

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**Russell Reinsch (to Organizer(s) Only)**: 1:53 PM: Some of this stuff may not ever translate into standards. Safe to explore the ideas tho.

**Mark Underwood (to Everyone)**: 1:54 PM: Tim - no, it's actually classified according to my contact there, though I haven't really pressed. Sometimes the issue is Mitre internal

**Lee Anne Davies (to Everyone)**: 1:55 PM: Marketers have been predicting behaviour for years. What's different?

**Tim Zimmerlin (to Everyone)**: 1:55 PM: Mark, we have an advisory role, assisting NIST. First, last, forever. We should avoid internal documents.

**Mark Underwood (to Everyone)**: 1:56 PM: Tim, ack'd

**Mark Underwood (to Everyone)**: 1:56 PM: Lee Anne, yes that is always a key Q for us

**Mark Underwood (to Everyone)**: 1:58 PM: All FYI Tim's document http://bigdatastandards.com/wp-content/uploads/2016/04/Governance-Provenance-Curation.pdf

**Lee Anne Davies (to Everyone)**: 1:58 PM: I think it's not about 'prediction' it's about 'personalization'

**David Boyd (to Everyone)**: 1:58 PM: Got to run Wo.

**Mark Underwood (to Everyone)**: 2:00 PM: FYI Stonebraker's talk on real time event processing is tomorrow - free to register http://bit.ly/1qQxzpJ

**Pw Carey (to Everyone)**: 2:01 PM: FINAL DRAFT COPY FOR REVIEW PURPOSES ONLY

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The will and dedication to honor our country’s laws

**Pw Carey (to Everyone)**: 2:05 PM: Dear Tim: .....But isn't that just another result of the downward directions of todays' current global economies........?

**Ann Racuya-Robbins (to Everyone)**: 2:06 PM: I rather agree with you Pw

**Pw Carey (to Everyone)**: 2:08 PM: Dear Ann:......We'll gladly accept a 'rather' any ole time.....Thanks...Pw

**Wo Chang (to Quyen Nguyen)**: 2:10 PM: hope you can stay longer: we have one action item for you on big data lifecycle.

**Russell Reinsch (to Organizer(s) Only)**: 2:10 PM: Data center servers are = air pump [combustion engine]. Limited by ability to ingest 1 thing

**Mark Underwood (to Everyone)**: 2:11 PM: Tim - thanks, and this owuld be good 1:1 conversation, too

**Pw Carey (to Everyone)**: 2:11 PM: The contents we tried cutting and pasting into this chat line is the financial fraud software tool we've been working on.....which will be submitted to several organizations for reivew in a couple of weeks....the Phalanx2 actually represnets 16 x 16 Big Data Filters comprised of all publically available conent from 1928 going forward surrounding financial frauds in all the glorious global colors....such as one of the biggest insider tranders before the collapse of Wall Street in 1929.....was appointed the Directorship of the initial SEC....go figure.....

**Russell Reinsch (to Everyone)**: 2:12 PM: 60 inches of vacuum?

**Tim Zimmerlin (to Everyone)**: 2:12 PM: Air pressure...

**Russell Reinsch (to Everyone)**: 2:12 PM: oh boost

**Quyen Nguyen (to Everyone)**: 2:17 PM: quyen.nguyen@census.gov

**Russell Reinsch (to Organizer(s) Only)**: 2:18 PM: Russell get w quyen on alignment of texts

**Russell Reinsch (to Organizer(s) Only)**: 2:20 PM: I have to step away from the call for 5 minutes

**Pw Carey (to Everyone)**: 2:21 PM: Two forms of Big Data Security & Privacy....one bucket for "Individual S&P" and another bucket for "Entity S&P"..... sometimes these two will be in agreement and at other times not so much....in our opinion........Pw

**Pw Carey (to Everyone)**: 2:21 PM: Dear Mark: We like this initial effort.....

**Russell Reinsch (to Organizer(s) Only)**: 2:22 PM: Im back

**REYLING, ROBERT A CTR USAF AFMC AFLCMC/HN (to Organizer(s) Only)**: 2:25 PM: Can you make me the presenter?

**Russell Reinsch (to Organizer(s) Only)**: 2:25 PM: Splunk = toy project for somet small. logstash, kafka, elastic search = more represent of ingest scaling and processing of BD. Lot of dead ends on splunk.

**Pw Carey (to Everyone)**: 2:26 PM: What are the liabilities associated with BigData S&P....mis-use of same, inappropriate mis-use of same....fines & penalities......associated with individual/entity S&P.....(aka: Whistleblowers....et al.....)

**Russell Reinsch (to Everyone)**: 2:26 PM: I would love to observe that ELK project

**Russell Reinsch (to Organizer(s) Only)**: 2:26 PM: Frank: ELK

**Pw Carey (to Everyone)**: 2:28 PM: "Provenance" .... aka: original origins of the data.....after multiple re-copying, again and again and .....

**Pw Carey (to Everyone)**: 2:28 PM: Or....is it a FAKE.......?

**Russell Reinsch (to Organizer(s) Only)**: 2:30 PM: Quyen worked on M0396?

**Russell Reinsch (to Everyone)**: 2:31 PM: Quyen did you work on M0396 ?

**Pw Carey (to Everyone)**: 2:33 PM: Does this Subtask: RFI for PII Management bring into questioning the biggest financial fraud markets around.....: Life Sciences, and Medicaid/Medicare fraud......?

**Pw Carey (to Everyone)**: 2:36 PM: Oops....we forgot Clinical Trials.....both in and outside of 3rd world countries.....My apologies......

**Pw Carey (to Everyone)**: 2:37 PM: Dear Mark: Privacy is the right to be forgotten....the right to be left alone.......Pretty good, eh?

**Pw Carey (to Everyone)**: 2:40 PM: Our Social Security Number tells every the; who, what, where, when, how and dates for our entering todays world....neat, eh?

**Russell Reinsch (to Organizer(s) Only)**: 2:42 PM: Tim: marketplaces and clearinghouses. Census is one. Stalling point for the four regional hubs. NARA = clearinghouse.

**Russell Reinsch (to Organizer(s) Only)**: 2:42 PM: Each w diff PII.

**Pw Carey (to Everyone)**: 2:43 PM: Oops.....'tells everyone that is, who has a copy of the SSN template roadmap......"that defines what each sequence of numbers represents...(aka: geo location, et al....)....

**Lee Anne Davies (to Everyone)**: 2:48 PM: Need to leave - bye all.

**Russell Reinsch (to Organizer(s) Only)**: 2:48 PM: Georgetown 2 day conference for NSF [recent]. Some -> regional hubs. Marketplace = a high volume of traffic. Normally open. CH are members only [Census]. Tim: BD live or die on these. Profit centers. NASA lost all of the video tapes from\_.

**Russell Reinsch (to Organizer(s) Only)**: 2:49 PM: for decades

**Ann Racuya-Robbins (to Everyone)**: 2:49 PM: Good idea Wo.

**Cavan (to Everyone)**: 2:52 PM: Mark, I am involved with a Berkeman Center group talking about privacy harms, can you give me your drone use case to share with them? I would like to see how they would treat it

**Pw Carey (to Everyone)**: 2:52 PM: Dear Mark & Tim: GRC is the Achilles Heel for

**Mark Underwood (to Everyone)**: 2:53 PM: PW- Yes, we are trying to integrate a risk profile throughout the fabric

**Mark Underwood (to Everyone)**: 2:53 PM: S=P folks - Ping me if I got your assginments wrong or if you want to refine

**Pw Carey (to Everyone)**: 2:54 PM: COMPLIANCE......and Black Swan addresses RISK....and....our Federal Prisions are filled with bad examples of Corporate GOVERNANCE.....but lets not give up hope.....

**Mark Underwood (to Everyone)**: 2:54 PM: Cavan - sure, I will put in an email

**Cavan (to Everyone)**: 2:54 PM: Mark: Thaks

**Tim Zimmerlin (to Everyone)**: 2:57 PM: Pw, you typically look for the negatives. Governance, provenance, and curation promote positive behaviors, voluntarily.

**Tim Zimmerlin (to Everyone)**: 2:57 PM: …the stick & carrot approaches

**Pw Carey (to Everyone)**: 2:58 PM: Dear Mark & Tim: True, true true......however, If you all have a chance, view the film 'Chasing Madoff'.....it is knowledge expanding......

**Tim Zimmerlin (to Everyone)**: 2:58 PM: Pw, there are some people who you cannot protect against themselves.

**Tim Zimmerlin (to Everyone)**: 2:58 PM: …karma

**Pw Carey (to Everyone)**: 2:59 PM: Dear Tim: From a personal perspective, we've decided to settle on.....'honoring our laws'.....and workout the finer points in interesting conversations, such as we have with you......Dear Sir.....

**Tim Zimmerlin (to Everyone)**: 2:59 PM: Pw, great news!

**Pw Carey (to Everyone)**: 3:00 PM: Your welcome.....Pw

**Pw Carey (to Everyone)**: 3:00 PM: In closing, we'll let you k

**Pw Carey (to Everyone)**: 3:00 PM: know how the hip surgery turns out....Take Care....Pw

**Russell Reinsch (to Organizer(s) Only)**: 3:01 PM: ISO side - want to find rules on what / who to include in the tables. June 14 deadline. We should incorporate.

**Tim Zimmerlin (to Everyone)**: 3:01 PM: Pw, you are in our prayers...

**Pw Carey (to Everyone)**: 3:01 PM: Thank you and ..... same-o, same-o.....

**Mark Underwood (to Everyone)**: 3:01 PM: Pw - best wishes

**Pw Carey (to Everyone)**: 3:02 PM: Dear Sir: We missed you all, too...

**Cavan (to Everyone)**: 3:02 PM: PW luck!!

**REYLING, ROBERT A CTR USAF AFMC AFLCMC/HN (to Everyone)**: 3:04 PM: Meeting Ends at 3:02 PM EDT.

**Russell Reinsch (to Organizer(s) Only)**: 3:07 PM: w3c, IETF, we might have big picture. Can make incremental steps. A - Z, A - D = things available. How to fulfill T - Z. Areas needed: some of the things implementer, some end uer, sort it out later. [Now]. Roadmap is critical. Ultimate vision [Z]. How to get there. ID existing things. THINK BIG. Use the range of knowledge, articulate the dream, what is missing and what we need from people to finish the dream.

**Russell Reinsch (to Organizer(s) Only)**: 3:08 PM: Utilize existing. What is missing. What specs.

**Russell Reinsch (to Organizer(s) Only)**: 3:17 PM: Interop, across many domains, etc. Good for Dec. meeting. Unify MSFT, Oracle's visions. Have to share my vision too. Add something that deserves discussion and response. Look at all 7, 7 was the final deliverable. Had the other parts in it. Paint the whole picture, 7 catches them after version 2. What was investigated, discussed, solutions in stages. Reality.

**Russell Reinsch (to Organizer(s) Only)**: 3:18 PM: I need to articulate the inclusion of multiple ideas. Dont think of 7 version 1 as the parameters.

**Russell Reinsch (to Organizer(s) Only)**: 3:21 PM: Find key issues. Enables, leverage whatever. What is missing.