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

**NBD-PWD-2015/M0472**

**Source: NBD-PWG**

**Status: Draft**

**Title: Web chat from Meeting of Nov. 17, 2015**

**Chat Log D:\\_wo\1DMG\2015\\_BigDataWG\Docs\ChatLog 2015\_11\_17 15\_04.rtf**

**David W. Boyd (to Everyone)**: 1:02 PM: I can only stay until 2pm

**Gregory Weidman (to Everyone)**: 1:14 PM: I apologize, Wo, are you saying "Smart CDs" in relation to Montgomery County?

**David W. Boyd (to Everyone)**: 1:14 PM: Smart Cities

**Gregory Weidman (to Everyone)**: 1:15 PM: Ah. Thank you. Sorry for confusion.

**Tim Zimmerlin (to Everyone)**: 1:16 PM: NSF Big Data Hubs: North East Hub http://northeastbdhub.dsi.columbia.edu/

**Tim Zimmerlin (to Everyone)**: 1:17 PM: NSF Big Data Hubs: South Hub http://southbdhub.org/

**Tim Zimmerlin (to Everyone)**: 1:17 PM: NSF Big Data Hubs: Midwest Hub http://midwestbigdatahub.org/

**Tim Zimmerlin (to Everyone)**: 1:18 PM: NSF Big Data Hubs: West Hub http://westbigdatahub.org/

**Mark Underwood (to Everyone)**: 1:19 PM: +1 for concordances. Not easy though.

**Tim Zimmerlin (to Everyone)**: 1:20 PM: Mark, worth the effort.

**Tim Zimmerlin (to Everyone)**: 1:27 PM: NIST and NSA have published vital best practices. NSA has released secure versions of common OSs.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:27 PM: Dear Folks: Sorry we're late....we'll go Mutae and record the chat log for the meeting minutes which we'll post after today's meeting....Thanks....Pw

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:28 PM: Dear Tim: Are those available for review...(public data)....?

**Tim Zimmerlin (to Everyone)**: 1:28 PM: Pw, all that info is online and downloadable for years now.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:29 PM: Silly me.....

**Tim Zimmerlin (to Everyone)**: 1:29 PM: Just google for secure Mac OS X, etc.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:29 PM: Ok....will do...& Thanks.....

**Tim Zimmerlin (to Everyone)**: 1:29 PM: Just crawl the NIST Web sites.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:30 PM: Dear Tim: Would that be a low-crawl....?

**Tim Zimmerlin (to Everyone)**: 1:30 PM: Naw, use the sites' internal search engine. Bookmark freely.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:31 PM: Ok....will do....and nice to read your thoughts, too....Pw

**Tim Zimmerlin (to Everyone)**: 1:31 PM: I only reference freely available sources.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:35 PM: This NIST publication refers to the Mobile Device Stack in Section 4.4......in our opinion it seems out of data.....no Cloud....no Big Data....any thoughts....?

**Tim Zimmerlin (to Everyone)**: 1:36 PM: Pw, mobile device sits in your hand.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:37 PM: True....but the path it's data takes...takes in Big Data and Cloud eco-systems .....yes?....In Section 4.4 Mobile Stack that is.....we haven't read the entire pub.

**Tim Zimmerlin (to Everyone)**: 1:37 PM: Pw, imagine billions of SW stacks communicating over the multi net.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:39 PM: Dear Tim.....Will do.....also, have you heard of an application called 'Telegram'.....? it was brought up over the weekend....as an anonymous communication tool...any thoughts....on this Mobile device app....?

**Tim Zimmerlin (to Everyone)**: 1:39 PM: No.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:39 PM: Well then....we'll look into it....and find out more about it .... & send you what we find.....out....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:41 PM: Dear Sir....(aka: Mr. Chang).....What specific areas concern you with this pub....? Please disregard if you've already covered this topic...Pw

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:42 PM: Dear Russell Reinsch: Good afternoon...and could you send me your email so we can discuss your Use Case thoughts......Please...?

**Russell Reinsch (to Everyone)**: 1:42 PM: russell.reinsch@gmail

**William Miller (Private)**: 1:42 PM: Were you going to have me talk about Cognitive Inteligence for Big Data?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:46 PM: Dear Sir:

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:47 PM: Thanks.....Pw

**Tim Zimmerlin (to Everyone)**: 1:48 PM: Cognitive Intelligence requires co-evolution of the observer system and the observed systems.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:54 PM: Dear Sir: (aka: Tim)....are you saying intuitation should never be put aside in favor of innovation.....?

**Tim Zimmerlin (to Everyone)**: 1:54 PM: Human knowledge is generational in duration. I have noticed very smart young professors who do not know about common knowledge from the "old days", They are surprised to re-discover knowledge they were not taught in school.

**Bhumip [ZTE] (to Everyone)**: 1:56 PM: http://standards.ieee.org/email/images/2013\_06\_vision\_smart\_grid\_communications\_2030\_beyond\_toc.pdf

**Tim Zimmerlin (to Everyone)**: 1:56 PM: How soon will our machines know more than us humans?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:56 PM: Tomorrow....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:56 PM: No wait....Yesterday....

**Tim Zimmerlin (to Everyone)**: 1:58 PM: Maybe with the arrival of Google deep learning...

**Ian Gorton (to Everyone)**: 2:01 PM: XML is soooo last decade ;)

**Tim Zimmerlin (to Everyone)**: 2:01 PM: XML was born of the Internet. XML application languages have a major advantage over Json.

**Ian Gorton (to Everyone)**: 2:02 PM: they do??????

**Ian Gorton (to Everyone)**: 2:03 PM: please enumerate. And explain how xml scales ....

**Tim Zimmerlin (to Everyone)**: 2:03 PM: Ian, IMO, they have SW. Xerces 2 parser. jaxb & jaxp document handlers.

**Ian Gorton (to Everyone)**: 2:04 PM: and these are better than json equivalents how?????

**Tim Zimmerlin (to Everyone)**: 2:04 PM: XML is a complete Internet optimized data ecosystem with XML Schema, Xquery, RDF, Sparql, etc.

**Tim Zimmerlin (to Everyone)**: 2:04 PM: Json is too limited, just hacks.

**Ian Gorton (to Everyone)**: 2:05 PM: really????? ok ... I bow to your 'opinions' as I'm sure you're out there building code and systems every day ...

**Tim Zimmerlin (to Everyone)**: 2:05 PM: Big systems...

**Tim Zimmerlin (to Everyone)**: 2:05 PM: Decades duration systems...

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:06 PM: Dear Mr. Miller: Thank you.....please send me your email and we'll be happy to support your efforts....Respectfully yours, Pw Carey....pwc.pwcarey@gmail.com

**Tim Zimmerlin (to Everyone)**: 2:07 PM: William, thanks for a good talk. I agree with many of your key points.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:07 PM: Dear Mark: This data will go into the buckets of those who wish to own and control and create money out of data.....just a thought....Pw

**Mark Underwood (to Everyone)**: 2:07 PM: @knowlengr

**Ian Gorton (to Everyone)**: 2:08 PM: i'm talking ...

**Ian Gorton (to Everyone)**: 2:08 PM: how do i unmute?

**Cavan Capps (to Everyone)**: 2:10 PM: Mr. Miller, please send your email. The Census Bureau may be interested in exploring access to your system

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:12 PM: Dear Phone Caller: (aka: Ian...)....Within your Use Case do you have space for the Regulatory Obligations, Agencies and cross border jurisdictions.....impacting this Use Case....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:14 PM: Dear Ian: Clear txt......is a bit of a security risk....in our opinion....our personal and professional, paranoid, conspiracy opinion......

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:14 PM: Dear Ian: We love you.....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:17 PM: Dear Ian: Just a thought....even though the data you are using is full of security breach holes....would it be too much work to filter this same data through a security/encryption blender and secure it a bit more than it currently is at this point in time.....just looking forward to the wonder ful world of law suits......Good presentation, too....Pw

**Tim Zimmerlin (to Everyone)**: 2:19 PM: Pw, Hotel California! The data goes in but never can leave. A data warehouse could conceivably be open data as long as anonymous data only.

**David W. Boyd (to Everyone)**: 2:20 PM: Dave has his hand up.

**Mark Underwood (to Everyone)**: 2:22 PM: All - We discussed this PII issue last time. Perhaps we should focus on the mapping the diagram to the RA, esp orchestratoin and the App provider. E.,g, how the data is refreshed into the running model

**Russell Reinsch (to Everyone)**: 2:23 PM: + Mark

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:24 PM: Dear Tim: Good thought.....Back to Ian....Dear Ian: You are relying on the term 'Public Data' to serve as your firewall against being accused of not securing your data.....not quite sure using 'Public Data' is a strong defense for PII risks.....Guess the courts will make this call....Pw

**Tim Zimmerlin (to Everyone)**: 2:24 PM: Ian runs on Amazon AWS. There are Amazon supplied SW like DynamoDB.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:26 PM: Dear Tim: Amazon & DoDaddy sued over data......Go figure....http://www.businessinsider.com/amazon-and-godaddy-sued-over-ashley-madison-data-leak-2015-9

**Tim Zimmerlin (to Everyone)**: 2:26 PM: EC2, EBS, downloaded applications across Internet???

**Tim Zimmerlin (to Everyone)**: 2:30 PM: Batch ingestion annually.

**Mark Underwood (to Everyone)**: 2:32 PM: Ian - Good template, similar to what I've seen presented elsewhere with "real" cases - a good thing

**Ian Gorton (to Everyone)**: 2:32 PM: thx mark ...

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:33 PM: Dear Ian Gorton.....We still love you....Pw

**Cavan Capps (to Everyone)**: 2:38 PM: Ian - Nice - Thanks

**Tim Zimmerlin (to Everyone)**: 2:38 PM: Ian, thanks. Waiting to read your report and followup.

**Mark Underwood (to Everyone)**: 2:39 PM: Thanks Ian!

**Cavan Capps (to Everyone)**: 2:42 PM: Russell, Is this CCDA xml from EPIC??

**Ian Gorton (to Everyone)**: 2:44 PM: thx all .. til next time :)

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:49 PM: Dear Russell: Good initial effort....Please Note: When ever you add an app., new process, new procedure....such as encryption, firewall, et cetera....it will increase response time and impact other apps. already inplace via a waterfall impact.....plus the training learning curve...et al....Good initial effort, too....Pw

**Tim Zimmerlin (to Everyone)**: 2:54 PM: Trade scripts like football cards. Share scripts freely; give back to the community.

**Mark Underwood (to Everyone)**: 2:56 PM: Trade scripts, propagate security flaws freely :)

**Tim Zimmerlin (to Everyone)**: 2:57 PM: Russell, thanks.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:58 PM: Russell: Thank you on behalf of my entire Research Team......

**Ann Racuya-Robbins (to Everyone)**: 2:58 PM: Thanks Russell

**Mark Underwood (to Everyone)**: 3:01 PM: Tim - is there a point of contact for NYC engagement?

**Tim Zimmerlin (to Everyone)**: 3:02 PM: Mark, pls see early URLs above.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 3:02 PM: Dear Tim: IoT sounds like a wonderful opportunity for bad behavior all around....interesting....(aka: fraud...et al....)....

**Mark Underwood (to Everyone)**: 3:02 PM: Tim, yeah Columbia

**Tim Zimmerlin (to Everyone)**: 3:03 PM: Chaiten would be a great interlocator.

**Cavan Capps (Private)**: 3:03 PM: wo - can I talk to you after the call? I want to present an initial privacy framework next week

**Cavan Capps (Private)**: 3:04 PM: I am presenting it on Nov 30th, so was hoping for some comments before then

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 3:04 PM: Dear Sir: Very nice/good meeting.....take care....Pw