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

**NBD-PWD-2015/M0427**

**Source: NBD-PWG**

**Status: Draft**

**Title: Web chat from Meeting of Aug. 4, 2015**

**Gregory Weidman (to Everyone)**: 1:08 PM: Having trouble finding the documents we are discussing. What are the right links to go to? For example, where is 20546 or 20547-4?

**Tim Zimmerlin (to Everyone)**: 1:08 PM: Gregory, they are copy right protected.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:08 PM: Let's hear it for Pw...he was able to muteae his mike......congratulations Pw....keep up the good effort....

**Gregory Weidman (to Everyone)**: 1:09 PM: I'm on some ISO committees. Where do I go?

**Wo Chang (to Everyone)**: 1:12 PM: Gregory: you need to be on the JTC 1/WG 9. Talk to David Boyd as he is the INCITS BD TC Chair.

**Gregory Weidman (to Everyone)**: 1:13 PM: I believe I am in that WG. Could you please send me a link to the documents?

**Jacob Dilles (to Everyone)**: 1:13 PM: http://isotc.iso.org/livelink/livelink?func=ll&objId=17082679&objAction=browse

**Gregory Weidman (to Everyone)**: 1:14 PM: Thank you.

**Gregory Weidman (to Everyone)**: 1:16 PM: There do not appear to be any documents at that location.

**Jacob Dilles (to Everyone)**: 1:17 PM: They are there, if you can't see them you are probably not part of the group - as Wo said you'd need to talk to Dave

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:17 PM: Believe we should incorporate the following: Individual Privacy & Security, Governance, Risk & Compliance, Confidentiality, Integrity & Availability, the 7 (seven) or 27 states of data...Rules of Law, Ownership, Liability, 3rd Party Compliance, Big Data/Mobile/Cloud collaboration inter-dependencies, RACI Roles and Responsibilities, Big Data Custodian Responsibilities......et al.....all viewed from an Auditors perspective.......(aka: what will make the Auditor's Job easier and more effective....) (aka: Governance....)

**Gregory Weidman (to Everyone)**: 1:24 PM: Okay, I've resolved the login problems with the ISO web page. There are folders for "General Committee Documents," "Meetings and REsolutions", "Projects" and "Drop-in box for members." Where are we working from? I still don't see how we find these documents to collaborate on them.

**Gregory Weidman (to Everyone)**: 1:37 PM: Any of the documents. 20546. 20547, etc.

**Gregory Weidman (to Everyone)**: 1:38 PM: Basically, i want to be able to review, comment, and contribute to these documents, and I can't seem to find the path in to do that. The path from a URL perspective, the path in from an organizational perspective.

**Ann Racuya-Robbins (to Everyone)**: 1:39 PM: Is there a comment template for the NBDWG Volumes?

**Tim Zimmerlin (to Everyone)**: 1:41 PM: Gregory, you are in the same boat as other NBD-PWG members. I recommend that you focus on the NIST controlled docs.

**Gregory Weidman (to Everyone)**: 1:42 PM: Where are the NIST controlled documents? I go to the NIST site, and I don't see a set of working documents there either.

**Tim Zimmerlin (to Everyone)**: 1:43 PM: Gregory, start at Web page http://bigdatawg.nist.gov/show\_InputDoc.php

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:45 PM: Although interacting with lil stevie jobs is a bit sucky (audio speaking that is)....my entire R&D Team still agrees with Mr. Chang (now and into the future).....amazing, isn't it.....

**David W. Boyd (to Everyone)**: 1:46 PM: Jacob - good point

**Gregory Weidman (to Everyone)**: 1:47 PM: Thank you Dave, Tim. I see some documents now. This seems like a terrible way to run a railroad.

**Russell Reinsch (to Everyone)**: 1:48 PM: @Tim arent the Output docs the newer versions

**David W. Boyd (to Everyone)**: 1:48 PM: Greg after two years of this it amazes me that any international standards ever get done. A lot of the infrastructure is old and based on some interesting historical decisions from what I have been told.

**Tim Zimmerlin (to Everyone)**: 1:48 PM: Gregory, we could use a Wiki...

**Gregory Weidman (to Everyone)**: 1:49 PM: Tim, Agreed.

**Tim Zimmerlin (to Everyone)**: 1:49 PM: Russell, those Output docs are infrequently updated.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:49 PM: Traceability refers to tracking data back to it's origins slash originator(s)......no?

**Russell Reinsch (to Everyone)**: 1:49 PM: Seems like we could have better labels for those facets

**sharafudheen (to Everyone)**: 1:50 PM: We could use some document management system to track the changes and revert to old version etc.. there are even opensource tools to do this...

**sharafudheen (to Everyone)**: 1:51 PM: My be NIST team is already using such a tool?

**Russell Reinsch (to Everyone)**: 1:52 PM: @Shar - it doesnt seem like it. Someone brought up the idea before and it recieved no comment

**David W. Boyd (to Everyone)**: 1:52 PM: Well the NBDPWG can use any tool desired. Under the ISO WG9 we must use the ISO site and the associated INCITS site for US TC documents.

**sharafudheen (to Everyone)**: 1:53 PM: As Tim mentioned...A wiki could be a great idea... It is very easy to setup a media wiki server...

**Tim Zimmerlin (to Everyone)**: 1:55 PM: sharafudheen, the stumbling block is someone must manage any NBD-PWG Wiki. That includes SPAM, malware, DDoS, intrusions. site crashes, etc.

**Mark Underwood (to Everyone)**: 1:56 PM: I have a wiki up but I am not happy with MediaWiki's handling of taxonomy - so I haven't offered it up yet. There may be no better solution.

**Gregory Weidman (to Everyone)**: 1:56 PM: It seems that both my personal interest, and the interest of my immediate management, is in supporting NIST standards over ISO standards. It sounds like I'm not alone in that.

**Tim Zimmerlin (to Everyone)**: 1:56 PM: I vote for Mark!

**Tim Zimmerlin (to Everyone)**: 1:57 PM: Gregory, NIST will pull ISO along in our draft.

**sharafudheen (to Everyone)**: 1:58 PM: Tim, it is true that there are some administration overhead. At the same time, MediaWiki tool has built in facilities to manage the spammers and evedroppers. The bottom line is that we need to have some easier method to collaborate with international community..

**sharafudheen (to Everyone)**: 1:59 PM: Taxonomy is something we could work out... even we could give access to the wiki only to the members... not a open wiki with guest access?

**Gregory Weidman (to Everyone)**: 2:00 PM: It would seem cleaner, then, to collaborate on a NIST standard -- in an environment where anyone can contribute.

**Gregory Weidman (to Everyone)**: 2:00 PM: Then, we can deal with ISO from a strictly administrative perspective, not from a content perspective.

**Tim Zimmerlin (to Everyone)**: 2:00 PM: Gregory, yep!

**Mark Underwood (to Everyone)**: 2:01 PM: Yes, would be members-only for edit a la Wikipedia curation

**Ann Racuya-Robbins (to Everyone)**: 2:02 PM: Thank you Nancy! Helpful!

**Tim Zimmerlin (to Everyone)**: 2:02 PM: Nancy, very helpful walkthrough...

**alicia zuniga alvarado (to Everyone)**: 2:05 PM: Yes, indeed it is very helpful;thanks Nancy!

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:05 PM: Mutae once more....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:06 PM: Did everyone get a copy of last weeks meeting minutes.....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:08 PM: Last time we checked ISO was still struggling with 'Governance' without offending anyone....ever....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:12 PM: How are 'Patterns' used....for what purpose.....please define one 'Pattern'.....please, please, please....

**Tim Zimmerlin (to Everyone)**: 2:13 PM: Big data architectures have been studied by NSF, DOE, UCB, and IU are Giants, Dwarfs, and Ogres.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:14 PM: Dear Tim: Is it too late to join the Ogres....?

**Ian Gorton (to Everyone)**: 2:14 PM: the whole issue of database feature comparison is complex. Our knowledgebase covers thi sdirectly for some databses - have a browse at https://quabase.sei.cmu.edu/mediawiki/index.php/Explore\_Database\_Technologies\_and\_Features

**Tim Zimmerlin (to Everyone)**: 2:14 PM: Pw, you are an honorary Ogres.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:14 PM: Thank you sir....

**Ian Gorton (to Everyone)**: 2:15 PM: I'd be happy to contribut eon this topic, but it really is an issue that folks are publishing research on

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:16 PM: Tim: Do you have any thoughts on ' Patterns"....? any will be more than we have at this point in time which is none.....

**Tim Zimmerlin (to Everyone)**: 2:16 PM: Ian, have you followed Michael Stonebraker MIT and Michael Carey UCI on newSQL and new DMS's? AsterixDB?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:17 PM: Michael Carey's efforts are quite good....

**Wo Chang (to Everyone)**: 2:17 PM: I just uploaded the web chat to NBD site: http://bigdatawg.nist.gov/\_uploadfiles/M0426\_v1\_4908849659.docx

**Tim Zimmerlin (to Everyone)**: 2:17 PM: Pw, design patterns are at the top level aka architectures. After one design pattern has been chosen, specialized design templates are completed.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:18 PM: Tim: Thanks.....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:19 PM: Patterns operates within the SDLC (Life Cycle)....aka: development....what does it have to do with functionality and data analysis/applications....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:20 PM: Aka: specific to Big Data....?

**Tim Zimmerlin (to Everyone)**: 2:20 PM: Ian, I recommend that you study Amazon AWS Aurora, with standard mySQL interface. Aurora carries 6 replications. Aurora's core dataset is its event log.

**Ian Gorton (to Everyone)**: 2:21 PM: there's lots of good work in this space, and Stonebraker is excellent. He is somewhat biased though

**Russell Reinsch (to Everyone)**: 2:23 PM: > somewhat biased

**Ian Gorton (to Everyone)**: 2:23 PM: Tim - thx for recommendations about Aurora. I know the basics. It's hardly groundbreaking

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:23 PM: Our deadline is Oct. 2nd, 2015.....collaboration with ISO......yes....

**David W. Boyd (to Everyone)**: 2:23 PM: Next INCITS TC Meeting is Thurs, Aug 6 - 1400-1600

**Tim Zimmerlin (to Everyone)**: 2:24 PM: Ian, Stonebraker gave his most open interview at the recent MIT CDO Information Quality Symposium. His explanation of QUEL vs SQL and Ingres vs Oracle were amazing.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:24 PM: Oh, 2:00 to 4:00 ....ok thanks....

**Ian Gorton (to Everyone)**: 2:28 PM: Tim, just coz Stonebraker gives a great talk does not mean the findamental computer science of distributed database managment systems changes. All dbs just choose different dimensions in a tradespace, and hence they have different features.

**Mark Underwood (to Everyone)**: 2:29 PM: Dave, thx for the reminder

**Gregory Weidman (to Everyone)**: 2:29 PM: Ian and Tim, a standards document that describes that tradespace, and emphasizes where big data problems drive solutions in that tradespace, would probably be useful.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:30 PM: Why not give them an Appendices and let the WG-9 folks place their contributions into an Appendix...?

**Tim Zimmerlin (to Everyone)**: 2:30 PM: Ian, distributed, replicated, share nothing, local attached storage, event log as core dataset, SQL tables are managed like traditional data warehouse cubes.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:31 PM: Sounds good...

**Ian Gorton (to Everyone)**: 2:32 PM: Gregory - such a tradespace analysis standard would be darn useful, but I doubt it exists. I have a research paper or two that address this, but there's no standards.

**Ian Gorton (to Everyone)**: 2:33 PM: Tim - not enough jargon in your last comment - try harder ;)

**Tim Zimmerlin (to Everyone)**: 2:33 PM: Ian, watch what you ask for. heh-heh

**NANCY GRADY (to Everyone)**: 2:33 PM: @Gregory, the tradespace analysis of the differences in the implementations would be great for our patterns area in Vol 1.

**Ian Gorton (to Everyone)**: 2:34 PM: nancy - browse our quabasebd web site. there's comparisons of 9 dbs in terms of about 100 different features and charecteristics. It's detailed indeed

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:34 PM: We're developing an approach strategy to Big Data Standards development....not The approach....let ISO choose based upon the strengths and merits of our efforts......(we're more committed than the chickens in ISO....as in the myth of committ between the Pig & the Chicken....for a breakfast dinner....the chicken is committed...but the Pig is truly committed....

**Gregory Weidman (to Everyone)**: 2:36 PM: The NIST site is not up to current expectations for a collaborative workspace. I think there would be more good content if there were an effective collaboration space.

**NANCY GRADY (to Everyone)**: 2:36 PM: @PW...I hope to not be a sacrificial lamb in either process. :)

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:37 PM: MMMMM Roast Lamb w/Mint Sauce.....

**Ian Gorton (to Everyone)**: 2:37 PM: Gregory - agreed. Google docs type collaboration would be very useful

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:38 PM: You tell um....girl....

**Tim Zimmerlin (to Everyone)**: 2:38 PM: Jacob, message received. I will focus on NBD-PWG concerns.

**Gregory Weidman (to Everyone)**: 2:39 PM: @Ian: Heck, something up to the level of SharePoint 2010 would be both better, and enough.

**Tim Zimmerlin (to Everyone)**: 2:39 PM: Jacob has the scars to prove it!

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:39 PM: We side with Tim.....and will follow his lead...thanks to you....Jacob.....

**Ian Gorton (to Everyone)**: 2:40 PM: @Gregory - damning, but true ;)

**NANCY GRADY (to Everyone)**: 2:40 PM: @Ann, i agree. the NIST open process will have greater information from the openness

**sharafudheen (Private)**: 2:41 PM: Wo, any upadate on when the version 2 will be started?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:41 PM: Are you facing to the West....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:43 PM: Dead Line for Part 1 docs. is Sept. 1st, 2015...

**Jacob Dilles (to Everyone)**: 2:43 PM: Ann - Did not mean to sound condescending, ISO is open to anyone with deep enough pockets, and it's output should be taken with that in mind. My point is to not underestimate the importance of the NIST output documents to the international community, even without the ISO rubber stamp. For example in my field, the FIPS-140-2 standards have become defacto baselines for the entire world

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:45 PM: Jacob: Understood....even without the qualification.....your thoughts are spot-on.....and appreciated....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:48 PM: Good meeting......once again......

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:48 PM: Submission deadline is Sep. 1st, 2015.....

**alicia zuniga alvarado (to Everyone)**: 2:48 PM: good quality too

**NANCY GRADY (to Everyone)**: 2:49 PM: @Ian, your wiki knowledgebase has a lot of great info. It would provide great input to version 2 of RA and Defn.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:50 PM: how do we access Ian's wiki......?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:51 PM: Colorize the 'v1' .... the working doc. is in Red....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:51 PM: Bless you....

**sharafudheen (Private)**: 2:51 PM: Bless you..

**Mark Underwood (to Everyone)**: 2:51 PM: NIST has TDwiki

**Tim Zimmerlin (to Everyone)**: 2:52 PM: Pw, try http://quabase.sei.cmu.edu/mediawiki/index.php/Main\_Page

**NANCY GRADY (to Everyone)**: 2:52 PM: I just searched for QuABaseBD and it was the first entry

**David W. Boyd (to Everyone)**: 2:54 PM: Mark - You state the issue well. INCITS and ISO both are built around batch processes versus a more interactive process.

**Mark Underwood (to Everyone)**: 2:54 PM: bigdatastandards.com

**Russell Reinsch (to Everyone)**: 2:54 PM: I have a list as well

**Mark Underwood (to Everyone)**: 2:55 PM: We can host LAMP stack apps like Drupal or WordPress, but a wiki seems to be the de facto platform for this scenario

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:56 PM: Tim:.....it worked....thanks.... and once more we agree with Mr. Wo L. Chang.....go figure....

**Ann Racuya-Robbins (to Everyone)**: 2:57 PM: I'd like to participate

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:57 PM: That's OT....Over Time.....Sir.....

**sharafudheen (to Everyone)**: 2:57 PM: I think it is better to get this collaborative effort outside NIST website... once the docuent is consolidated, we can host in NIST site

**Mark Underwood (to Everyone)**: 2:58 PM: @sharafudheen +1

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 3:00 PM: Colorize via Red...(Draft).Yelllow....(In revision process) & Green (Final)

**sharafudheen (to Everyone)**: 3:00 PM: The NIST website is simple and great.. i wish to keep it as is.. our issue is easy collaboration... for collaborative effort, there may be different reason that we cannot easily put such collabortive efforts in NIST website, especially from the security perspective...

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 3:01 PM: He's referring to Version Control.....of documents....

**sharafudheen (to Everyone)**: 3:02 PM: so we could keep it outside with a open hosting environment... and use tools such as MediaWiki, alfresco or some other such tools

**Russell Reinsch (to Everyone)**: 3:12 PM: Zoho: free, workflow system, issue tracking, doc management

**Russell Reinsch (to Everyone)**: 3:14 PM: LDAP support,

**Gregory Weidman (to Everyone)**: 3:14 PM: Thank you, Wo.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 3:14 PM: We'll find a free Version Control ...tool....

**alicia zuniga alvarado (to Everyone)**: 3:14 PM: Thank you!

**sharafudheen (to Everyone)**: 3:14 PM: Thanks

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 3:14 PM: Thank you....