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

**NBD-PWD-2017/M0589**

**Source: NBD-PWG**

**Status: Draft**

**Title: Web chat from Meeting of Jan. 3, 2017**

**Chat Log D:\\_wo\1DMG\2015\\_BigDataWG\Docs\ChatLog 2017\_01\_03 14\_45.rtf**

**Russ Reinsch (to Everyone)**: 1:16 PM: Offline for a moment

**Russ Reinsch (to Everyone)**: 1:18 PM: Returned

**TIm Zimmerlin (to Everyone)**: 1:29 PM: "The product goes out the door before the security is built in." Anon.

**Mark Underwood (to Everyone)**: 1:29 PM: IEEE P7000 Ethical concerns in building software

**Mark Underwood (to Everyone)**: 1:30 PM: IEEE P2675 DevOps for building secure + reliable systems

**TIm Zimmerlin (to Everyone)**: 1:31 PM: Frank is highlighting the necessary role for "curation".

**Mark Underwood (to Everyone)**: 1:31 PM: IEEE P2413 Architecture for IoT

**TIm Zimmerlin (to Everyone)**: 1:31 PM: ...programmers might be the last folks to detect errors in big data SW.

**TIm Zimmerlin (to Everyone)**: 1:54 PM: Mark discusses formal "security" algorithm specification...

**TIm Zimmerlin (to Everyone)**: 1:55 PM: ...regulations drive algorithms...

**TIm Zimmerlin (to Everyone)**: 1:55 PM: ...why not cut out the middlemen and have a domain specific regulation language...

**TIm Zimmerlin (to Everyone)**: 1:58 PM: ...DSL regulations for logging & auditing might be a fertile starting area...

**TIm Zimmerlin (to Everyone)**: 1:59 PM: ...Splunk is designed to automate this area...

**TIm Zimmerlin (to Everyone)**: 2:00 PM: X509 certificates

**TIm Zimmerlin (to Everyone)**: 2:01 PM: ...digitally signed documents...federated identity...etc

**TIm Zimmerlin (to Everyone)**: 2:01 PM: x509 is central to info centric networking...

**TIm Zimmerlin (to Everyone)**: 2:02 PM: APTs gobble up X509 private keys right away...

**TIm Zimmerlin (to Everyone)**: 2:03 PM: NSF and 5G aim to deploy information centric networks with signed documents.

**TIm Zimmerlin (to Everyone)**: 2:05 PM: ...otherwise man in the middle attacks would overwhelm the future Internet.

**TIm Zimmerlin (to Everyone)**: 2:06 PM: ...CDN is the front runner for ICN in 5G.

**TIm Zimmerlin (to Everyone)**: 2:08 PM: Frank is wrong...digitally signed documents guarantee content integrity.

**TIm Zimmerlin (to Everyone)**: 2:08 PM: ...and originator identity ala federation.

**Russ Reinsch (to Everyone)**: 2:11 PM: hahahahaha

**Russ Reinsch (to Everyone)**: 2:12 PM: excellent discussion area

**TIm Zimmerlin (to Everyone)**: 2:12 PM: Mark, metadata covers provenance and curation concerns.

**TIm Zimmerlin (to Everyone)**: 2:15 PM: Today, all big data roads lead to W3C and linked data.

**TIm Zimmerlin (to Everyone)**: 2:15 PM: ...it is not the tools that are suspect...the data is suspect.

**TIm Zimmerlin (to Everyone)**: 2:16 PM: ...GIGO...

**Mark Underwood (to Everyone)**: 2:31 PM: ISO 16739 also does a good job of integrating a domain model for smart buildings

**Wo Chang (to Mark Underwood)**: 2:41 PM: can I give you a call after this telecon? At what number?

**Mark Underwood (Private)**: 2:44 PM: sure 5204577004

**Russ Reinsch (to Everyone)**: 2:44 PM: good meeting