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

**NBD-PWD-2015/M0475**

**Source: NBD-PWG**

**Status: Draft**

**Title: Web chat from Meeting of Nov. 24, 2015**

**Chat Log D:\\_wo\1DMG\2015\\_BigDataWG\Docs\ChatLog 2015\_11\_24 14\_59.rtf**

**Mark Underwood (to Everyone)**: 1:11 PM: I must go offline for 5 minutes

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:13 PM: Dear Folks: Sorry we're late...we'll keep an automatic chat log back-up copy...just in case....as Mr. Chang already is keeping outstanding conf. call records.....Also, we're of the opinion that we should address 'data integrity' a bit more stongly, if we're not currently looking at that.....Please advise at your convenience.....Respectfully yours, Pw

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:13 PM: Dear Mark: Have a nice Thanksgiving, too....

**Wo Chang (to Everyone)**: 1:14 PM: PW: ok we will come to 'data integrity' after reviewing other contributions, thanks.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:14 PM: Ok....Thank you....

**Tim Zimmerlin (to Everyone)**: 1:15 PM: Nancy, yes, yes.

**Mark Underwood (to Everyone)**: 1:15 PM: Thx, PW

**Tim Zimmerlin (to Everyone)**: 1:22 PM: At the UN ISO level, the US State Department has inputs.

**Tim Zimmerlin (to Everyone)**: 1:23 PM: Already, the EU, France, and India court jurists have weighed strongly on US privacy.

**Ann Racuya-Robbins (to Everyone)**: 1:23 PM: Why is that Mark? No Privacy?

**Mark Underwood (to Everyone)**: 1:25 PM: B/c there is much conflict in the meetings over privacy and a low level of trust if much of what is produced from the US.

**Mark Underwood (to Everyone)**: 1:25 PM: Trans-national conflict that is

**Ann Racuya-Robbins (to Everyone)**: 1:26 PM: Nancy I would like to work with others on the Gartneresque documentation

**Cavan Capps (to Everyone)**: 1:26 PM: I don't think we can define privacy, but we can start on operations that most agree (on both sides of the Atlantic) preserves privacy..

**Tim Zimmerlin (to Everyone)**: 1:27 PM: Most politics is local, but the Internet is global. Courts want a say-so in protecting their citizens.

**Cavan Capps (to Everyone)**: 1:27 PM: I will share a policy document from the FTC on privacy preservation and big data brokers

**Ann Racuya-Robbins (to Everyone)**: 1:28 PM: That would be good Cavan.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:28 PM: Is it possible to generate a Quick Start Guide specific to Roles presenting how best to implement the RA Reference Architecture...(aka: one for Auditors, one for End Users...one for Mgt....et cetera...) ? Just a thought, as we just reviewed a 'Quick Start' Guide for Auditors using COBIT5.....

**Mark Underwood (to Everyone)**: 1:28 PM: Cavan -thx, plz do - FTC has the main "teeth" here

**Cavan Capps (to Everyone)**: 1:29 PM: ok - thanks, they are very interested in rules.. but that are not operational.. their regulations as I understand them are also proposals

**Mark Underwood (to Everyone)**: 1:30 PM: +1 Frank. Agreed. Not only is a US contribution important as a foil / strawman, but the absence of a full privacy bout is needed to maintain the WG

**Mark Underwood (to Everyone)**: 1:30 PM: credibility and standing

**Cavan Capps (to Everyone)**: 1:32 PM: Even if we have a way of tracking behavior.. different countries can still impliment different rules.. currently there is no systematic way to operationalize actions

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:33 PM: In the FinTech/Financial industry....Insurance, Banking, Investments et al.....the regulatory agencies in the UK & the US are gradually closing their regulatory Audit Standards, Rules, and Protocols to come together and in-line with each other....a slow process....However, a major bank in the UK is being investigated by the UK regulators....leading towards criminal acts in the C-Suites....some 7 years ago in the making....Just a thought....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:34 PM: Dear Frank: Hear.....hear.....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:35 PM: But is that Security & Privacy Volume current at this point in time....as the rules are gradually changing......for entity privacy and individual privacy......?

**Tim Zimmerlin (to Everyone)**: 1:36 PM: For privacy, first educate the readers by describing the full spectrum of privacy concerns. Concerns are a formal word in the controlled vocabulary.

**Arnab Roy (to Everyone)**: 1:36 PM: To add to Frank's point, in the S&P document we are working on separating requirements and technologies

**Tim Zimmerlin (to Everyone)**: 1:36 PM: For privacy, second document the work products of outside groups.

**Arnab Roy (to Everyone)**: 1:37 PM: Policies would drive requirements, while technologies like encryption would be the operational nuts and bolts to enforce those

**Tim Zimmerlin (to Everyone)**: 1:37 PM: For privacy, third identify practical tasks required for US or global progress.

**Tim Zimmerlin (to Everyone)**: 1:38 PM: Arnab, policy drives doctrine which then drives deployment.

**Mark Underwood (to Everyone)**: 1:39 PM: S+P Volume 4 v2 -or- related white paper(s)

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:40 PM: Dear Cavan: When faced with significant jail time and a ban from doing business in that sector....behavior tends to change to the good side...rather than continuing to lie, cheat and steal and than say it all was caused by un-foreseen circumstances beyond the 'perps' control....At least in some sectors of the Global Financial Industry....Just a thought...

**Ann Racuya-Robbins (to Everyone)**: 1:41 PM: Agreed Frank

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:42 PM: Dear Frank: We agree....and since there is no statutate of limitations regarding paying taxes on bad behaviour.....time is on the side of the Good Guys......(aka: Auditors....)...

**Ann Racuya-Robbins (to Everyone)**: 1:42 PM: Thanks Wo

**Cavan Capps (to Everyone)**: 1:44 PM: PW: I agree, but in international accounting standards there are common records that can be used to audit activity (even as international rules and regulations change), it would be great if we could track activities (even though you could "cook the books" like you do in finance) - thanks

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:47 PM: Dear Cavan: Correct....it's like shooting fish in a barrel....and the barrel is continually overflowing...with bad behaviour.....as they slither away......Sad, but true...some get away with it...and some not so much.....(aka: the reality of an imperfect world.....except for me....as we represent a fine example that Life is Fair....Thanks....for your thoughts, too....

**Tim Zimmerlin (to Everyone)**: 1:47 PM: Frank, I referenced your email in my conversation. It is good enough to use.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:48 PM: Dear Frank: If Tim thinks is ok...then we do, too.....

**Rhama Swaminathan (to Everyone)**: 1:50 PM: Knowledge includes 'insights'?

**Mark Underwood (to Everyone)**: 1:50 PM: All - Do we think this is an issue particular to Big Data?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:50 PM: Dear Frank: Some of the educational industry folks....are trying to glomp onto 'digital integrity'....as a reason for their existence....regardless of wether or not that's a valid justification.....just a thought...?.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:52 PM: Dear Ann: Never a problem....as we like the sound of your voice....in a professional way.....&....have a nice and relaxing Thanksgiving....Respectfully yours, Pw

**Tim Zimmerlin (to Everyone)**: 1:53 PM: I suggest "technology", neither revolution or evolution.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:53 PM: Dear Tim: Why not 'organic'.....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:54 PM: Sorry Tim: We meant...'global warming'......

**Bob Marcus (to Everyone)**: 1:54 PM: Random Thought: Can there be something called "Big Information" or "Big Knowledge"? For example, can the expression "Too Much Information" (TMI) be formalized?

**NANCY GRADY (to Everyone)**: 1:54 PM: @Bob, that's a tough question

**Tim Zimmerlin (to Everyone)**: 1:55 PM: Pw, 'cause people are pushing the performance envelope daily; 'cause money limits the possibilities today.

**Mark Underwood (to Everyone)**: 1:55 PM: My vote is for revolution. Not b/c I disagree with Ann, but because it is a defining principle of the WG's mission vis a vis other projects. Revolution points to emergent properties, whereas "evolution" does not. In all my nontechnical writing about BD, it is revolutionary. For work in V2, it may not matter.

**Cavan Capps (to Everyone)**: 1:55 PM: I like the parallel focus, it really works a lot differently.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:55 PM: Dear Bob: Not a chance.....but we do respect your freedom of speech......

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:57 PM: Dear Team: We agree with him....(aka: Tim)....

**Frank Farance (to Everyone)**: 1:57 PM: Big Data: field of study based on convergence of problems in: (1) irregular or heterogeneous data structures, their navigation, query, and datatyping; (2) computation parallelism and its management during deployment or execution; (3) descriptive data and self-inquiry about objects for real-time decision-making; and/or (4) presentation and aggregation of data that exceed visual limitations of a single page

Note 1: Big Data is not necessarily about a large amount of data because many of the concerns can be demonstrated with small (less than gigabyte) data sets. Big Data concerns typically arise in processing large amounts of data because the four main characteristics (irregularity, parallelism, real-time metadata, and/or presentation/visualization) are unavoidable in such large data sets.

Note 2: Computation parallelism issues concern the unit of processing (thread, statement, block, process, node, etc.), contention methods for shared access, and begin-suspend-resume-completion-termination processing.

**Cavan Capps (to Everyone)**: 1:57 PM: particularly that needs orchestration...

**Frank Farance (to Everyone)**: 1:57 PM: Note 2: Computation parallelism issues concern the unit of processing (thread, statement, block, process, node, etc.), contention methods for shared access, and begin-suspend-resume-completion-termination processing.

Note 3: Descriptive data is also known as metadata. Self-inquiry is known as reflection is some programming paradigms.

Note 4: The visual limitations concern how much information a human can usefully process on a single display screen or sheet of paper. For example, the presentation of a connection graph of 500 nodes might require more than 20 rows and columns, along with the connections (relationships) among each of the pairs. Typically, this is too much for a human to comprehend in a useful way. Big Data presentation/visualization issues concern reformulating the information in a way that can be presented for convenient human consumption.

**Tim Zimmerlin (to Everyone)**: 2:01 PM: The Internet is the most central "new technology".

**Tim Zimmerlin (to Everyone)**: 2:02 PM: The cloud is next in impact. AWS has 25 to 120 Tbps from each data warehouse to the Internet.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:02 PM: Dear Tim: How long did it take for the 'Internet' to evolve from it's organic origins.....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:03 PM: Actually...'entity' refers to companies...(aka: businesses...)......

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:04 PM: Gov. refers to public agencies......businesses are both public and private.....entities...

**William Miller (to Everyone)**: 2:04 PM: IS Big Data defined as a Resoruce oriented? where by this capaibity is discovered? IF the resour e is health care then only data that is representabie should be submitted to this resoure.

**Cavan Capps (to Everyone)**: 2:04 PM: Oak Ridge was doing SNOW (simple network of Workstations) in early eighties - but it was expensive and exotic. Even analyts at Oak Ridge didn't use it much. The internet logs created needs that made parallel processing normal for more problems, so that it is becoming a new standard technology tool and technique.. so it is coming out of the labs and revolutionizing the kinds of problems and data that we take on

**Tim Zimmerlin (to Everyone)**: 2:04 PM: Pw, the Internet started with telegraph.

**William Miller (to Everyone)**: 2:04 PM: PRoviding an open Big Data system adds to teh complexity of which iput may not be tagged appropirately to differentiate it from other types of data.

**Tim Zimmerlin (to Everyone)**: 2:05 PM: Pw, the Internet became financially practical with DS0 and DS1 and DS3.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:08 PM: Dear Folks: that was very useful information...didn't know Oak Ridge had influence on the development of the 'Internet'.....

**Tim Zimmerlin (to Everyone)**: 2:08 PM: ha-ha-ha

**Geoffrey Fox (to Everyone)**: 2:09 PM: Sorry. I need to leave Happy Thanksgiving Geoffrey

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:10 PM: Dear Tim: Nice to see your sense of humor survives....& hope you have a nice and relaxing Thanksgiving.....

**Cavan Capps (to Everyone)**: 2:10 PM: nope, that was arpa-net, it was simply using multiple computers on a LAN to solve a problem (atomic modeling or astronomy I believe)

**Tim Zimmerlin (to Everyone)**: 2:10 PM: Pw, thanks.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:11 PM: Correct: And it was Berniers-Lee efforts a ARPA-Net that took a while to evolve.....we believe...organically, too...

**Tim Zimmerlin (to Everyone)**: 2:11 PM: Section 2.1 needs to first off define data, information, and knowledge. Or, readers are liable to read into the discussion some non-standard meanings.

**Cavan Capps (to Everyone)**: 2:11 PM: Do you guys still have your PAD card for dial up to arpa-net or mil-net?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:12 PM: Dear Cavan: Never had one....could we borrow yours.....?

**Cavan Capps (to Everyone)**: 2:12 PM: Berners-Lee was the web, not the Internet right?

**Tim Zimmerlin (to Everyone)**: 2:13 PM: Cavan, yes. Tim applied SGML to the concerns of CERN.

**Cavan Capps (to Everyone)**: 2:13 PM: it only works to obsolete mainframes to the University of Maryland - I worked for the Army back then

**Cavan Capps (to Everyone)**: 2:13 PM: yep

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:13 PM: Dear Cavan: Our understanding was the Internet....which we always considered to be the WWW World Wide Web.....Please correct us if this is wrong.....Thanks...Pw

**Cavan Capps (to Everyone)**: 2:15 PM: internet, at least Arpa net had FTP, email, and things later like Gopher and even Veronica before Berners Lee thought up using the apple hyperstack across computers on the net to access references in scientific papers at CERN, using SGML

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:16 PM: Dear Cavan: So there were multiple origins...at different times and within different organizations....by different folks...yes?

**Cavan Capps (to Everyone)**: 2:17 PM: I tried sending data from the pentagon to the Presideo of Monterey using an IBM mainframe to a Prime computer in 1983... over Arpanet.. it failed

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:18 PM: Dear Cavan: Can you recall the 'Error Msg." that bounced back.....?

**Russell Reinsch (to Everyone)**: 2:19 PM: We should be careful about using the term uncertainty which has such a serious implication to mathematicians

**Tim Zimmerlin (to Everyone)**: 2:19 PM: Lorenz

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:20 PM: Dear Folks: Please refer to Pw's Theory of Pure Dumb Luck a 12 Volume set available for $19.95 plus shipping and handling......instead of 'uncertainity'.....

**Tim Zimmerlin (to Everyone)**: 2:21 PM: Nancy, the Lambda architecture solves your concern wrt timing.

**Cavan Capps (to Everyone)**: 2:21 PM: No, as I understand it.. Xerox park and early ethernet (Bob ? left to start 3Com), Calif universities developed TCP/IP for routing purposes between mainframes and workstations... so unix (and apple 2 with cards) have eithernet... Universities come up with IP routing funded by DARPA... therefore the name Arpa-Net... etc etc. (some impression in my memory)

**Tim Zimmerlin (to Everyone)**: 2:23 PM: Uncertainty = why trust a dumb computer?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:23 PM: Dear Cavan: It is our professional and personal opinion that you should publish a book...chronociallying your experiences in this topic.....and for security and privacy issues ... name me as the author.....a serious thought ... except for that final flippant sentence....Respectfully yours, Pw

**Tim Zimmerlin (to Everyone)**: 2:23 PM: Who trusts programmers?

**Cavan Capps (to Organizer(s) Only)**: 2:24 PM: Can you make me the presenter?

**Cavan Capps (to Organizer(s) Only)**: 2:24 PM: Can you make me the presenter?

**Cavan Capps (to Everyone)**: 2:25 PM: PW, no fun cause then I would have to get it right

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:25 PM: Dear Tim: Do you mean the ones out and about...the ones in jail, the ones in hiding....or the ones that have been neutralized....

**Tim Zimmerlin (to Everyone)**: 2:26 PM: Pw, a programmer averages 1 error for every 20 keystrokes.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:26 PM: Dear Cavan: Not to worry.....we'll edit the heck out of it.....resulting in a 99.999% correct version.....

**Tim Zimmerlin (to Everyone)**: 2:26 PM: Pw, a programmer is mostly blind to their own errors, but better than average in finding issues with others' code.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:27 PM: Tim: But that's before testing....no?

**Tim Zimmerlin (to Everyone)**: 2:27 PM: No one tests...

**Tim Zimmerlin (to Everyone)**: 2:27 PM: Turn it over for integration builds...

**Tim Zimmerlin (to Everyone)**: 2:27 PM: If it builds, it is done.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:28 PM: Dear Tim: So that's why it's all done off-shore.....(aka: no witnesses....eh?)

**Ann Racuya-Robbins (to Everyone)**: 2:30 PM: Yes Cavan a very good point

**Tim Zimmerlin (to Everyone)**: 2:30 PM: bugs = future work, job security

**Cavan Capps (to Everyone)**: 2:31 PM: PW: Can I hire you for my next paper?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:31 PM: Dear Cavan: Time and Budget constrains....push folks into making erros.....correct time and buget to fit the development cycle...can alleviate this issue.....not 100%...but pretty darn close......

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:32 PM: Dear Cavan: Yes....we'd be honored......plus we're cheap......(aka: Gratis.....)

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:32 PM: Gratis is in the Spirit of NIST.....

**Cavan Capps (to Everyone)**: 2:33 PM: that is why my pack check is lower...

**Cavan Capps (to Everyone)**: 2:33 PM: pay check

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:34 PM: We prefer Pack Check.....as in quite transient...(aka: Hobo Programmer, these days....sorta.....

**Tim Zimmerlin (to Everyone)**: 2:35 PM: Less words is much better.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:37 PM: Dear Nancy: You're relying on the spot-on motivations driving Mgt. to conduct a correct assessment of which road to take, other than....since we thought of it...it must be right.....Right!!!!! Converstion recorded at the C-Suite level.....in Chicago.....

**Tim Zimmerlin (to Everyone)**: 2:38 PM: You are preaching to readers who are looking to get up to speed.

**Tim Zimmerlin (to Everyone)**: 2:39 PM: https://en.wikipedia.org/wiki/Occam's\_razor

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:39 PM: Dear Tim; This would be a great opportunity for a Quick Start Guide....No?

**Tim Zimmerlin (to Everyone)**: 2:39 PM: Pw, a very concise one.

**Frank Farance (to Everyone)**: 2:40 PM: new architectures for improved qualities in storage, manipulation, analysis, capabilities, and other benefits

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:40 PM: Say....10-20-or 30 pgs. max.....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:40 PM: Dear Frank: Looks nice......

**Tim Zimmerlin (to Everyone)**: 2:40 PM: Pw, real world big data is too hard for most readers. Simply big data for NIST readers.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:42 PM: Dear Tim: In our small world...'big' means 'lots of'......pretty straight forward....in our small world....wouldn't you agree....?

**Tim Zimmerlin (to Everyone)**: 2:42 PM: Pw, whatever a people envisions is ok with me. The rubber hits the road when they begin work.

**Tim Zimmerlin (to Everyone)**: 2:43 PM: Crash and burn systems...

**Russell Reinsch (to Everyone)**: 2:43 PM: I agree with Nancy.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:43 PM: Please refer to the 'Pentagon Wars' available for free download on YouTube....regarding it's my idea....so it must be right....Right!!!

**Tim Zimmerlin (to Everyone)**: 2:44 PM: Pw, my definition of big data starts at 100,000 nodes with direct attached storage, CLOS switching, MIC coprocessors, GPUs, etc.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:46 PM: Dear Tim: Ours is a tad different.....it's gobs of data that we can analyze/filter/refine into producing insight and facts that can be presented in a court of law to prosecute financial fraudsters......kinda like yours.....No?

**Ann Racuya-Robbins (to Everyone)**: 2:47 PM: Sounds right to me Nancy on life cycle

**Tim Zimmerlin (to Everyone)**: 2:47 PM: Frank, big data is about AND'ing old and new and future taxonomies. Traditional RDBMS' force an OR dichotomy decision.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:47 PM: Back to on-topic....if Ann thanks it's ok...then it's ok by me.....

**Tim Zimmerlin (to Everyone)**: 2:48 PM: Pw, it's all about the money?

**Frank Farance (to Everyone)**: 2:49 PM: Tim: I agree, sorry if my presentation sounded the opposite of that.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:49 PM: Dear Russell: We owe you some work-effort....we'll return to your email...and begin again...as we can't find your last email message....Thanks....Pw pwc.pwcarey@gmail.com

**Tim Zimmerlin (to Everyone)**: 2:50 PM: Frank, Michael Stonebraker and his students (now Profs at UCB and UCI) preach newSQL.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:53 PM: No it doesn't.....Raw means prestine data.....not it's value......

**Cavan Capps (to Everyone)**: 2:53 PM: Tim, thanks for newSql

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:54 PM: Data does not have a value until the mind interprets it.....

**Tim Zimmerlin (to Everyone)**: 2:54 PM: Cavan, I was convinced that noSQL is a bad idea.

**Ann Racuya-Robbins (to Everyone)**: 2:54 PM: Sure Wo. Thank you Nancy and Wo for your effort and time.

**Cavan Capps (to Everyone)**: 2:56 PM: Tim: that was my thought, trying to understand what is available and how it works

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:56 PM: Dear Sir et al: Good meeting....and have a nice and relaxing Thanks Giving......

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:57 PM: Frank: Can you send me a copy....? Thanks....Pw

**Ann Racuya-Robbins (to Everyone)**: 2:58 PM: Sounds interesting Frank

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:59 PM: Dear Sir: That's Ok......take care....

**Frank Farance (to Everyone)**: 2:59 PM: Send me your contact4 info: frank@farance.com