

COMMODITY FUTURES TRADING COMMISSION
SECURITIES AND EXCHANGE COMMISSION

PUBLIC ROUNDTABLE TO DISCUSS
SWAP DATA, SWAP DATA REPOSITORIES, AND REAL TIME
REPORTING

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P R O C E E D I N G S

(8:47 a.m.)

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3 MR. SHILTS: Okay, if everybody could
4 take their seats. We want to get started. Good
5 morning. My name is Rick Shilts and I'm the
6 Acting Director of the Division of Market
7 Oversight here at the CFTC. I'm pleased to open
8 the joint CFTC-SEC Public Roundtable to discuss
9 issues related to swap and security-based swap
10 data repositories and data recordkeeping and
11 reporting requirements associated with swaps and
12 security-based swaps. In addition today we plan
13 to discuss issues related to the real-time
14 reporting of swaps and security-based swap trades.
15 We have a very full agenda that is designed to
16 focus the discussion on what we believe are very
17 pertinent issues. The discussion today will be
18 divided into four panels. I'd like to thank all
19 of our distinguished group of panelists for
20 agreeing to participate and taking time out of
21 their busy schedules to discuss these important
22 subjects. I'd also like to thank the staffs of

1 the SEC and the CFTC for their hard work in
2 planning today's Roundtable.

3 This Roundtable is the second one to be
4 conducted. The first focused on issues related to
5 governance and conflict of interest in the
6 clearing and listing of swaps. In addition we
7 have another tomorrow related to swap execution
8 facilities. That earlier Roundtable and the ones
9 today and tomorrow illustrate the collaborative
10 relationship that the staffs at the two agencies
11 have developed in our efforts to implement the
12 various provisions of the Dodd-Frank Act. As you
13 all know, the Dodd-Frank Act brings the
14 over-the-counter derivatives under comprehensive
15 regulation. Standardized derivatives will be
16 traded on transparent trading platform platforms and
17 cleared by regulated central counterparties. This
18 will increase transparency as information on swaps
19 and security-based swap trades will be available
20 to regulatory authorities and transaction data
21 will be available to the public on a real-time
22 basis. The overarching goal is to reduce the

1 overall risk in our economy which will greatly
2 benefit the American public.

3 Key elements of the Dodd-Frank Act
4 include the reporting of swaps and security-based
5 swaps to a registered entity, the establishment of
6 swap and security-based swap data repositories to
7 accept data on swap trades, and procedures for
8 real-time reporting of key data on executed swaps
9 and security-based swaps. The purpose of this
10 Roundtable today is to hear the opinions and
11 advice of persons with diverse interests,
12 experience, and points of view on these various
13 aspects of the legislation. The CFTC and SEC
14 staffs look forward to hearing the thoughts and
15 analyses of those on the panels today. The
16 Roundtable should assist both of our staffs in
17 implementing the Dodd-Frank Act.

18 For the record, I'd like to note that
19 all statements and opinions that may be expressed
20 and all questions asked by CFTC staff are those of
21 CFTC staff and do not represent the views of any
22 commissioner or the Commission collectively.

1 And before I turn it over to my
2 colleague, Robert Cook, I need to note some
3 housekeeping items. I want to point out that this
4 is not the only opportunity for interested parties
5 to have input on these issues. Both the CFTC and
6 SEC have mail boxes into which anyone can submit
7 public comments and supporting materials. These
8 comments will be read by staff and will help us
9 get diverse input with respect not only to the
10 specific rulemakings we will addressing today, but
11 all the rulemakings related to implementation of
12 the Dodd-Frank Act.

13 Everybody should know that the meeting
14 today is being recorded. The microphones are in
15 front of you. Please press the button and you'll
16 see the red light. That means you can talk and
17 speak directly into the mike. When you're
18 finished, please press the button to turn off the
19 microphone. And we ask that you refrain from
20 putting any blackberries near the mike or cell
21 phones near the microphones as they've been known
22 to cause interference with our system.

1 And now I'd like to invite some comments
2 from my colleague, Robert Cook.

3 MR. COOK: Thank you, Rick, and good
4 morning. I'm Robert Cook. I'm the Director of
5 the Division of Trading and Markets at the SEC.
6 I'd just like to very briefly echo some of the
7 comments that Rick just made.

8 First, to thank the staff at the CFTC
9 for their hard work in preparing for this panel
10 and hosting it and for the collaboration and
11 cooperation that you've shown to our staff at the
12 SEC, and also thanks to the staff at the SEC for
13 their work in helping to put together this panel.
14 And we'll look forward to hosting you over at the
15 SEC tomorrow for the panel on sets.

16 Secondly, I'd like to thank the
17 panelists for joining us today and again, as Rick
18 mentioned, your insights and contributions to this
19 discussion will be very important to us as we seek
20 to implement the provisions of the Dodd-Frank Act.

21 The topic today can be technical, but I
22 think it's -- we'd all recognize it as extremely

1 important to fulfilling some of the core goals of
2 the Dodd-Frank Act, including enhancing
3 transparency, creating better market efficiency
4 and liquidity, promoting standardization, reducing
5 systemic risk, and enhancing the ability of
6 regulators to monitor and regulate the currently
7 OTC derivatives markets.

8 So with that in mind, I'd like to also
9 echo Rick's comments that this is not the only
10 opportunity for anyone to participate and offer
11 their comments in this dialogue. The mail boxes
12 that Rick mentioned are very useful to us to get
13 comments from people from various different
14 backgrounds on these issues. And the rules that
15 we will adopt under the Dodd-Frank Act will first
16 be proposed for public comment, and we strongly
17 encourage everyone who has interest to submit
18 their comments on those rules. And we look
19 forward to receiving them, and we will take those
20 comments very seriously.

21 And then finally, I'd like to make the
22 same hedge clause, statement, that Rick just made

1 which is that any comments, questions, lines of
2 inquiry that you may hear from SEC staff today
3 really reflect their own views, not those of the
4 SEC, any of the individual commissioners on the
5 SEC, or their colleagues on the SEC staff.

6 So with that I'll hand it back to Rick.

7 MR. STILTS: Thanks, Robert. Before we
8 start the first panel, I'd like to go through the
9 agenda. As I mentioned, we have scheduled four
10 panels today. The first panel is going to discuss
11 swap data repository functions and
12 responsibilities, and it will run from 9:00 to
13 10:45. The second panel concerns the mechanics of
14 reporting data on swaps which will go from 11:00
15 to 12:45. Our third panel today concerns
16 real-time reporting and the data elements to be
17 disseminated and that will go from 1:45 to 3:30.
18 And lastly, our fourth panel concerns the effect
19 of transparency on liquidity and the block trade
20 exception and that will run from 3:45 to 5:30.
21 And we plan to conclude the Roundtable at 5:30
22 p.m. I'll be the designated timekeeper and try to

1 make sure that we stay on time today.

2 So I'd like to get started with the
3 first panel. As I noted, Panel 1 will focus on
4 registration functions and responsibilities of
5 swap data repositories. Some of the topics we
6 want to discuss today on this panel include the
7 scope of a swap data repository's core repository
8 functions, any other regulatory functions which
9 SDRs should perform with respect to data in their
10 possession, the mechanics of regulators' access to
11 this data both for foreign regulators and domestic
12 regulators, and any jurisdictional and
13 information-sharing issues which might arise
14 around foreign swap data repositories.

15 To begin the discussion, I'd first like
16 to go around the table and have all the panelists
17 introduce themselves and just let us know where
18 they're from.

19 MR. GOOCH: Thanks, Rick. My name's
20 Jeff Gooch from MarkitSERV. We're an electronic
21 trade confirmation provider for OTC derivatives.
22 I'm Chief Executive.

1 MR. SPATT: My name is Chester Spatt.
2 I'm a professor at Carnegie Mellon University.
3 From 2004-2007 I also happened to serve as the
4 SEC's chief economist. I'm currently a member of
5 the Shadow Financial Regulatory Committee that
6 meets quarterly.

7 MR. TUPPER: Bruce Tupper,
8 Intercontinental Exchange or ICE. I manage the
9 ICE eConfirm Trade Repository for Commodities and
10 Energies.

11 MR. MACBETH: Stewart MacBeth from DTCC.
12 I'm the General Manager of DTCC's Trade
13 Information Warehouse.

14 MR. PUJOL: Good morning. My name is
15 Sebastian Pujol. I work in the CFTC's Division of
16 Market Oversight.

17 MS. NATHAN: Hello. I'm Susan Nathan.
18 I'm a Senior Special Counsel in the CFTC Division
19 of Market Oversight.

20 MS. SWINDLER: Good morning. My name is
21 Jo Anne Swindler. I'm in the Division of Trading
22 and Markets at the Securities and Exchange

1 Commission.

2 MR. PRITCHARD: Hello. My name is Raf
3 Pritchard. I'm the head of TriOptima North
4 America. We provide portfolio compression,
5 exposure management, and intertrade trade
6 repository to the OTC swap market.

7 MR. OKOCHI: Hello. My name is Jiro
8 Okochi. I'm the CEO and cofounder of Reval. We
9 provide a web-based solution for corporate end
10 users and banks using over-the-counter
11 derivatives.

12 MR. DIXON: Good morning. I'm Mark
13 Dixon with Evolution Markets. We're an
14 over-the-counter derivatives broker.

15 MR. DIPLAS: Good morning. I'm
16 Athanassios Diplas. I'm from the global credit
17 trading side of the business and I'm in charge -
18 I'm the global head of systemic risk management.
19 I also co-chair the Credit Steering Committee
20 under ISDA.

21 MR. STILTS: Thank you very much. We're
22 going to be asking some questions from the SEC and

1 CFTC staff, and we would like to give everyone an
2 opportunity who wants to respond to a particular
3 question the chance to give us their opinions and
4 if it goes on too long, I may be forced to try to
5 shorten the response so that we can go through all
6 the topics we want to discuss today. And I guess
7 we'll kick it off with the first question from the
8 SEC.

9 MS. SWINDLER: Thank you, Rick. Let me
10 start off and just ask you, if you could address a
11 fairly broad question but one very important to
12 our responsibilities. In your views, what are the
13 best ways to address the core duties of SDRs? And
14 if you could, in particular, focus on the
15 confirmation obligation. Thank you.

16 MR. MACBETH: This is Stewart MacBeth
17 from DTCC. In terms of core duties, clearly the
18 reporting of GTs is key. To do that, though,
19 there is a series of underlying requirements that
20 are needed including data, particularly trade
21 data, trade event data, that are held as positions
22 and other data attributes associated with those

1 positions that can be reported externally both to
2 regulators based on that regulatory ambit and
3 also to the public at a level of aggregation and
4 anonymity. In terms of structure to provide that,
5 various levels of infrastructure would be required
6 including practices around business continuity,
7 strong governance over the offering ordered in
8 compliance procedures. So the function as a whole
9 primarily focused on reporting but with supporting
10 infrastructure to ensure that reporting is of high
11 quality and appropriate.

12 MR. STILTS: Anybody else?

13 MR. OKOCHI: I'd like to echo what
14 Stewart just said, but also add that I think it's
15 not just about the data that the SDR holds, it's
16 what to do with that data. So looking at future
17 risks through analyzing current valuations,
18 whether that's theoretical valuations or credit
19 adjusted valuations to liquidate the positions,
20 making sure the SDR is flexible to add new
21 products pretty quickly, on top of all the
22 security and redundancy disaster recovery that

1 should also be required. So I think it's really
2 -- not just thinking about what to do with current
3 and past trades, but how to grow with the market
4 because I think our duty is to make sure that the
5 markets continue to perform and grow along with
6 complying with the regulations.

7 MR. GOOCH: If I could add to that. I
8 think this topic of confirmation SDRs comes up
9 quite a lot in discussions. It's pretty worth
10 backing up for a moment to say why are we talking
11 about two things at the same time. Clearly to
12 fulfill the roles that Stewart Jiro have commented
13 on, you need - SDRs need a source of accurate data
14 that's complete, agreed on by market participants,
15 and timely. And confirmation is a good source of
16 supplying that in a sense you have habit

17 transactions being electronic, both parties have
18 agreed. You have all the legal details. Most
19 people are motivated to complete that as quickly
20 as possible. And really, confirmations is the
21 baseline that feeds SDRs, feeds CCPs, feeds all
22 the transparency requirements. So it's a very

1 important part of the end game structure, I think,
2 in terms of the OTC markets. Whether you call
3 that an SDR function, whether you call that a SEF
4 function, whether you call it something else, I'm
5 not sure that that is important frankly. I think
6 you have to call it something, and that's probably
7 something for the Commission to decide on the
8 right naming. But I think confirmations
9 themselves have an important part of the ecosystem
10 if this whole reform is going to be successful in
11 terms of making sure we get high-quality data out
12 to the right people.

13 MR. SPATT: One particular issue with
14 respect to the composition of data that I think is
15 particularly important to flag is the arrangements
16 for posting collateral and how collateral evolves,
17 which might vary quite a lot because ultimately
18 the assessment of credit exposures -- and
19 obviously it's credit kinds of issues and systemic
20 risk that are motivating much of the reform -- the
21 assessment of that depends on the fine detail of
22 the contract. So I think it's very important that

1 that information be specifically captured and be
2 readily available to the regulators. That was
3 clearly a crucial problem several years ago.

4 MR. DIPLAS: I think if I can follow up
5 on that point, I think we were discussing some of
6 the core functions of the data repositories and
7 that is best captured along with the confirm. But
8 then we have all of these ancillary functions of
9 the thing are important. Now collateral in
10 particular is a thing to be associated currently
11 as we stand with a specific report because those
12 are organized on an asset class basis while
13 collateral is actually collected on a legal entity
14 basis most of the time or several different
15 entities together that might have actually have
16 cross netting agreements, et cetera. So I think a
17 single report would not be able to individually
18 fulfill that function, but that information is to
19 be obviously accurate to let the regulators go to
20 multiple ones sometimes to collect that but also
21 they have to go individually to specific firms
22 that participate to get the full picture.

1 MR. STILTS: Are you saying that the SDR
2 would have to go to the individual firms?

3 MR. DIPLAS: No, no. The regulator will
4 have to actually get that systemic risk picture
5 basically. But the other thing that is important
6 was the report, it varies by asset class and is
7 that it provides other functions that are perhaps
8 known that the seller demanded by the legislation
9 but they're actually equally important. So asset
10 class such as credit, they contain right now
11 information that help us actually deal with things
12 like credit events, to be able to actually settle
13 the contracts in case there's a bankruptcy, et
14 cetera. So a lot of that information might not be
15 mandated by the legislation, but at the same time
16 is very important in the design of the report.

17 The second thing that is fundamental
18 from our perspective is a market participant. And
19 I think is similar to what regulators have is to
20 have a single report per asset class so that all
21 that information can be contained in one place and
22 we don't have actually information falling through

1 the gaps. Part of the problem in the past has
2 been that information was fragmented and that
3 caused the actual problems.

4 MR. PRITCHARD: This is Raf from
5 TriOptima. I agree with both of those points
6 there. I think just to mention the systemic risk
7 monitoring point and really the key is to make
8 sure that a repository has a comprehensive view of
9 all the swaps and standing live contracts. And
10 there's a broad landscape there. Our exposure
11 management service see 6 million trades across
12 many asset classes, credit, equity, FX, exotics,
13 commodity, et cetera, and it's many different
14 instrument types within that simple, high- volume
15 vanilla trades, forwards and swaps, but also
16 complex trades and structures. And what's really
17 important for a repository is that it has
18 comprehensive coverage. It captures the whole
19 universe of trades out there and uniquely. It
20 doesn't double count anything. So the approach
21 taken should really focus on that goal because
22 that's where the systemic risk monitoring benefit

1 can be best realized.

2 MR. PUJOL: Excuse me. I'd like to
3 follow up on a few things that have been said here
4 because it seems like we're drawing -- there's a
5 little bit of distinction between the data that
6 people agree should be in it in order for the
7 repository to be of use and the functions, and I'd
8 to explore just a little bit more the ones that
9 you think the SDRs must perform with respect to
10 that data and that no one else in the market is
11 going to be in a position to perform. If you
12 could just give us a little bit more of a sense of
13 assuming that the position data is there and the
14 valuation data is there and all that information
15 gets there, is there something that the SDR has to
16 do with respect to that data, or is it optional?
17 Somebody has to do it but not necessarily SDRs.

18 MR. MACBETH: So the key thing the SDR
19 has is this potential completeness of data. So
20 others have already commented on this, but this
21 fragmentation point is key. The current
22 environment that we work in and we live in, the

1 information is there. It is available to
2 regulators. The problem is an aggregation and
3 consolidation one. And what the repositories
4 really are going to provide is a solution to that
5 problem and that in reality is the key
6 differentiator for repositories. Now the thing
7 that makes hard is the structural elements of how
8 you then put that kind of model in place because
9 there's potentially -- and there's a risk here
10 that we blend into the panel to some extent -- the
11 different actors and different service providers
12 start overlapping in some of their roles, or
13 there's many service providers providing an SDR
14 function and then the aggregation responsibility
15 falls on a Commission to aggregate and then in the
16 public domain, it's potentially impossible to
17 aggregate. So things like the net open interest
18 in certain contracts can only be determined by a
19 level of detail which won't be available to the
20 public and the counterparties won't be disclosed
21 to the public, therefore, the net position won't
22 be correctly able to be netted. And we can see

1 that in our data at DTCC even looking at some of
2 the information across clearers if you try to
3 aggregate that. Some of our netting actually
4 produces lower numbers than they might publish.
5 So the true net open interest in the market, some
6 of the trading activity that goes on in the
7 market, is only really visible from this single
8 vantage point of a repository in an unfragmented
9 mode. So that to my mind is the big
10 differentiator about a repository. We agree --
11 there were some comments made in effect about
12 different consumers, people talked about systemic
13 risk and the value of collateral and information
14 about where collateral is held, that's clear. The
15 asset class specialism of repositories as a
16 provider is very useful because each contract form
17 and potentially some of the additional processing
18 provided does have its own peculiarities. It's
19 very difficult, I think, to play across everything
20 in the whole space successfully and move at the
21 pace that the market does. So from a provider
22 perspective, concentrating in a market and

1 delivering to that market, is a good model.

2 In terms of -- we talked a little bit
3 about additional services. Athanassios mentioned
4 those. So from a DTCC perspective, that's very
5 important to us. We do offer some additional
6 services. We take in confirmed trades. Jeff
7 Gooch mentioned that. But from there, we do
8 maintain a record and we actually perform life
9 cycle event processing on that record, date things
10 for succession events. So if you imagine the
11 underlying corporates that go through mergers,
12 acquisitions, they restructure, we maintain that.
13 So that if a regulator wants an actual position,
14 and understanding in terms of market exposure and
15 the market today, they can get that readily. So
16 confirmations alone -- confirmation is the best
17 source, but confirmation alone isn't all a
18 repository will need. It will need some
19 capability to maintain those contract records
20 thereafter. And market participants themselves
21 enjoy that centralized data base. That was the
22 history of DTCC's trade information repository.

1 It really was about mitigating ops risk and
2 producing efficiencies by being a central data
3 base. The world before was a very confused,
4 bilateral reconciliation world. There was

5 multiple bilateral reconciliation points that
6 happened. And the value proposition of the
7 warehouse was really to be a central data base so
8 that each participant could go and reconcile to
9 that record and not have to deal with the
10 bilateral complexity. So I think it has been kind
11 of a powerful model and is a well proven model.
12 But it's interesting as we go through this reform,
13 there are some threats again with the other
14 participants that are becoming actors in this
15 space. And clearly there's some of the
16 requirements currently that -- we've enjoyed some
17 ability to grow business over a period, but
18 whether there are threats from things like ICCPs
19 average stringers as SDRs, providing some of the
20 same data, they could be at the expense of
21 ultimately the public interest where that net
22 position needs to be presented, is some of the

1 issues in implementing regulation we're going to
2 have to try and manage.

3 MR. TUPPER: Bruce Tupper with ICE
4 eConfirm. Just to follow on, I think it's
5 important we take a step back and just look at
6 within Dodd-Frank the duties of an SDR and just to
7 paraphrase those there, to accept data, to
8 confirm, maintain the data, and provide the
9 Commission with access. And the Commission would
10 establish automated reports, monitoring screening,
11 and analyzing data. Just speaking for Energies
12 and Commodities, we've operated this service for
13 eight years and our warehouse holds 5.1 million
14 trades. One of the biggest challenges I believe
15 to accomplishing the analyzing and position
16 reporting in these ancillary services is first to
17 build the system that has the connectivity to all
18 the market participants. When you look at
19 Energies, it's a very diverse group of
20 participants. It's made up of banks, energy
21 companies, producers, hedge funds. So there was a
22 real challenge when we set out to build the

1 warehouse for Energies was to figure a way how to
2 connect all these people into one central
3 repository. That really is going to be key and
4 working with the Commission to create the rules
5 around people's access to that system, how they
6 should connect, just pretty much the rule book to
7 an SDR. I believe once that's accomplished and
8 the industry understands what they need to do, the
9 fallout of that will be a very robust data base
10 that the Commission then could put these ancillary
11 services on that were mentioned by other panel
12 members. You can margin the collateral, but until
13 you kind of accomplish step one which is the first
14 part of the duties, you're really not going to
15 achieve your goal. I would say working with the
16 Commission is that there's a lot of components
17 that we were able to achieve or build with the
18 industry, especially with Energies it's very
19 diverse as I mentioned. So I think having or
20 working with the numerous standards bodies -- the
21 BN-1, there's the EEI in Energies, there's LEAP
22 which is for physical oil -- you really need to

1 engage each of these standards bodies to really
2 get them onboard so that their costs -- the
3 industry would accept that SDR. So, for example,
4 if you're after gaining oil trade data, you're
5 going to want to work and standardize all those
6 terms so that all of the, let's just say non-large
7 volume participants, would accept that and then
8 submit you the data. Once you have the confirmed
9 trade data in, and then as mentioned earlier, life
10 cycle events is very important. To date, our
11 experience has been our customers haven't really
12 had a demand in Energies for life cycle events. I
13 would really attribute that to probably OTC
14 clearing or clearing of swaps. So once that
15 service came to market, there was a really
16 diminished amount of I'd say open interest out
17 there or risk, real concern. A lot of those, just
18 say, risky participants were moved quickly into
19 the clearinghouse. So what you were really left
20 with was this kind of pool of trades where it was
21 either large dealers or you had producers and they
22 were helping them hedge. Right? Which is -- and

1 a lot of those trades really weren't candidates
2 for clearing because of the cost of collateral to
3 post. What the producers were -- really just as
4 many people -- probably pretty much -- their
5 production to be produced is really the
6 collateral. So it's not a cash collateral so to
7 speak. So we work very closely with a lot of
8 these smaller producers to build functionality
9 where they're not very technically savvy to help
10 them come on to the system and then aggregate all
11 of them. So I guess in summary there's a lot of
12 building blocks which I think are really well
13 described in the bill. In Dodd-Frank they
14 describe the duties and then once that's
15 accomplished, this Section 5 really starts
16 speaking about the reports and analyzing the data.
17 I think you're really well positioned to do that.
18 But I think really the goal is just really to
19 establish that first part. Thank you.

20 MR. DIPLAS: I would think -- I mean, we
21 focus a lot of the discussion obviously on the
22 more electronically confirmed trades which is

1 important. Obviously we would love all the trades
2 to be such. But there's also trades that are not
3 electronically confirmed and legacy trades, et
4 cetera, those are small counterparty. I think we
5 need to also think as we design the framework that
6 we create a framework where it can accommodate
7 both. One of those things -- this is kind of the
8 approach we took, for example, on the credit side
9 where we have kind of the gold records which is
10 basically the electronically confirmed trades, but
11 at the same time we have created the concept of
12 the copper records which is basically a more
13 distilled set of information which has been agreed
14 with the regulators. We created a few different
15 buckets of information where different trades can
16 fall in. And then we have a process by which we
17 can agree what needs to be transmitted to the

18 regulators. And I think that's important, that
19 that kind of concept is expanded and that's where
20 it can also allow for new products to come onboard
21 and it also allows or gives the time to the
22 providers to develop basically the electronic

1 confirms as needed, et cetera.

2 MR. PRITCHARD: I'll pick up on that. I
3 think that's a very good point, Thanasis. There
4 is a proportion of trades out there. There is
5 more complex legacy, exotic for whatever reason,
6 and not electronically confirmed. And I think if
7 we bear in mind the comprehensiveness goal of the
8 repository, then it's really key to go to the
9 source of the trades and that's the parties
10 themselves, that they should submit the trades
11 direct to the repository rather than some
12 intermediary, very successful electronic
13 confirmation or whatever platform. But the
14 parties themselves have a strong interest in doing
15 their own risk management across their entire
16 portfolios. And thus they've got the best view of
17 these trades and they're the best place to be the
18 source of it for repositories.

19 MR. SPATT: I'd like to follow up on the
20 last couple -- this is Chester Spatt. I'd like to
21 follow up on the last couple of remarks.

22 I think it's very important, too, what

1 the data repositories would be doing, that their
2 sphere is potentially beyond clear and
3 standardized trades. And I think the last couple
4 of comments really highlight that issue and what's
5 some of the crucial nuances there. One shouldn't
6 think of this in terms of some equivalence between
7 data repositories and clearing. It seems to me
8 the scope for data repositories is much -- is
9 broader.

10 And, again, if you think back to the --
11 you know, I think we sometimes kind of lose sight
12 of what some of the particular issues were that
13 kind of motivated kind of where we are now. And
14 I'm not suggesting that we kind of narrowly link
15 to the details of what happened a few years ago,
16 but we also ought not to forget what happened a
17 few years ago. But, you know, situations like the
18 types of derivative contracts that AIG entered
19 into, these are probably -- in many cases, these
20 would not have been sufficiently standardized.
21 These probably would not have been cleared kinds
22 of contracts. The parties that were on the other

1 side of these trades were interested in customized
2 exposures. The issues of understanding systemic
3 risks are intimately linked to those types of
4 instruments as well as the instruments that can be
5 offset.

6 The systemic risk issues weren't really
7 as directly associated with contracts that were
8 being netted. You know, and I think that -- you
9 know, that point I think is understood. But
10 obviously there's tradeoffs with respect to the
11 scope for clearing, and I'm not advocating
12 universal clearing. But I do think the data
13 repository issue, the margin for the use of the
14 repositories is much broader than with respect to
15 standardization and clearing.

16 MR. GOOCH: Can I make a couple of
17 comments on that? I think -- first of all, I
18 agree, you need -- for repositories to work, you
19 need 100 percent trade population. And if you
20 look at electronic trade confirmation today in the
21 credit market, it's about 99 percent of trades are
22 electronically confirmed. In the interest rate

1 market about 80 percent are confirmed and about 90
2 percent could be if everyone used the available
3 platforms. So with 1 percent or 10 percent there
4 is definitely a gap. And it's important those
5 transactions are collected electronically.
6 Clearly they can't be collected in a format as a
7 full legally binding, ISDA-type confirmation.
8 But, you know, there needs to be a fee for those
9 on the same basis.

10 I think going back to this question of
11 what the repository should do with that data, I
12 think in terms of "must do" the only thing they
13 must do is report it to regulators and the public.
14 And, you know, the toughest reporting varies
15 whether you're talking about they exist versus
16 systemic risk perspectives, which will be about
17 positions; or whether it's market surveillance
18 perspectives, which means you need a full
19 independent audit trail on every trade. And
20 that's the sort of decision for the commissioners
21 to take.

22 But probably what repositories should do

1 is use that data for something else as well. I
2 don't think it matters too much what that
3 something else is. But the truism in almost any
4 system you built within a firm or in a regulatory
5 environment, if you fire data into a black hole
6 with no feedback, generally the quality
7 deteriorates. And you see that with transaction
8 reporting in Europe where firms for many years
9 have had a requirement to report derivatives and
10 cash products to regulators. They fire them every
11 day into this black hole. They never know whether
12 they got it right. And every few years, people
13 get very large fines for having missed literally
14 millions of transactions that are misreported.

15 And I think an important thing about,
16 you know, what Stewart does at DTCC and what some
17 other people around this table do is they collect
18 the data for a purpose which the participants then
19 use, whether it's settlement, whether it's
20 reconciliation, whether it's something else. If
21 it's wrong, it affects their own business
22 processes and they will fix it probably much

1 faster than a regulator will spot a failure to
2 report trades.

3 So I do think that SDRs fulfill their
4 primary function of creating regulatory
5 transparency. But if they're going to be
6 accurate, then it needs to be something that the
7 industry itself is using them for. And also that,
8 I think, positions them more as a benefit to the
9 industry as opposed to a regulatory burden in
10 terms of reporting.

11 MR. SHILTS: We'd like to move on to the
12 next question. We may try to come back a little
13 bit later.

14 MS. NATHAN: Thank you. Given the
15 highly confidential nature of SDR information,
16 what are some of the actions that an SDR might
17 take or the rules in SDR might implement that will
18 help to maintain the privacy of all swap
19 transaction information? Particularly, what
20 internal processes and safeguards should an SDR
21 establish to protect the confidentiality of swap
22 data in its possession.

1 able to access the information, you know, clearly
2 given the global coordination of trying to get the
3 reform in place there should be a mechanism for
4 global access easily. You know, clearly using the
5 Internet would be an advantage and there are
6 certain protocols that would allow for secure
7 access over the Internet.

8 MR. DIPLAS: I would agree with those
9 comments. Athanassios Diplas from Deutsche Bank.
10 Obviously for us as participants the protection of
11 that information is paramount. We want to ensure
12 that it doesn't fall in the wrong hands.

13 We also, flipping kind of the privacy
14 question that you just mentioned, we also believe
15 that the parties that need to know have to have
16 access to that, and that means the various
17 regulators. And we've been working on this topic
18 obviously, actually for the last couple of years.
19 One of the issues that we have is basically kind
20 of different laws across the globe that sometimes
21 inhibit that access of the various regulators. I
22 think the regulatory committee has been doing a

1 lot of work to try to actually create a framework
2 that actually enables the parties that need to
3 know to have access to that information legally.
4 But right now, a lot of us as participants are
5 hamstrung by different laws in the various
6 jurisdictions that doesn't allow us to fully
7 rebuild the counterparty names, et cetera. So I
8 think we need the help with the regulator to
9 actually overcome some of these issues.

10 MS. NATHAN: Along those lines, how do
11 you think U.S.-registered SDRs should meet the
12 indemnification requirements of Section 21(d)(2)?

13 MR. OKOCHI: Well, that would entail
14 every provider of data to the SDR indemnifying
15 each SDR, so there would have to be a legal
16 contract negotiated with each data provider. And
17 presumably, they would have permission to present
18 that data to the SDR.

19 MR. MASTERS: Yeah, I think this is an
20 important issue. And, you know, obviously the
21 indemnification standard hasn't been determined.
22 But clearly there's global interest in data and

1 repositories. And, you know, they're not
2 restricted by national borders in terms of these
3 markets. They are global markets. So, you know,
4 security underlyings, U.S.-issued securities may
5 be referenced in credit derivative transactions.
6 They may be between two European participants.
7 The SEC would have an interest in that dataset.
8 But that dataset is really a European one by
9 domicile of those participants.

10 You know, reciprocally, there's European
11 situations where U.S. firms will be trading on
12 European underlyings, and Europeans will want that
13 data. So this indemnification issue is important.

14 You know, like the -- at DTCC, you know,
15 currently we're pre-legislation this regulation in
16 this regard. We are actively sharing data
17 throughout the globe. We have a set of working
18 standards that we've agreed with the OTC
19 derivatives regulators forum for that sharing and
20 it determines different types of regulators and
21 potentially different interests. So certain
22 information that is systemic risk data that is

1 shared in aggregates within certain jurisdictions,
2 their interested in some of the more significant
3 financial institutions in those jurisdictions, but
4 also people who are writing contracts related to
5 those financial institutions we share in
6 aggregate. To prudential supervisors throughout
7 the world we will share data from their regulatees
8 and to markets regulators we will share data
9 relating to the domicile of the underlying. And
10 the parties where both parties -- or one party's
11 within the market domicile for that market's
12 regulator.

13 Now, you know, what we've done at DTCC
14 in part to manage, you know, a number of issues,
15 so there's issues -- you know, clearly there's a
16 sense that -- from other countries that data needs
17 to be resident on shore. There's some of the
18 privacy issues that Thanasis referred to. And
19 there's, you know, this indemnification issue.
20 So, you know, as a repository, where we are today
21 is that, you know, we have a European entity as
22 well as a U.S. entity. And, you know, we intend

1 that the European entity will share data, you
2 know, locally to those regulators and will use,
3 you know, the U.S. vehicles in the U.S.

4 So, you know, there are some things that
5 can be done via the repositories to, you know,
6 manage some of those issues in terms of their
7 corporate structure. But I think, you know, some
8 of the real test is to -- as to the
9 indemnification standards (inaudible).

10 MR. TUPPER: This is Bruce Tupper with
11 ICE. I think this topic would be a great one to
12 engage the standards bodies, especially energies
13 (inaudible). There's a body called the Contract
14 Drafting Committee that resides in the EEI and
15 it's composed of mainly industry attorneys. I
16 would recommend the Commission work with that
17 group to pretty much detail what is that
18 indemnification agreement and how to -- you know,
19 the topics that were mentioned earlier with
20 jurisdictions.

21 In energies, many of the participants
22 will create separate entities obviously by

1 location. So especially with large majors and
2 financial institutions they'll create a, you know,
3 U.S., London, and Asian branch, and each of those
4 will actually be legal entities that they confirm
5 their trades under. So there are arrangements in
6 place how they share data and how they interact.
7 And I think formalizing that with this Contract
8 Drafting Committee would be a great start.

9 The implementation agreement, and I just
10 speak quickly about a similar issue we had where
11 we needed to implement kind of a multilateral
12 agreement so customers would recognize electronic
13 confirmations. When we began in energies eight
14 years ago, there really wasn't a provision for
15 that. So we worked closely with ISDA and industry
16 attorneys to develop an annex-type agreement that
17 was multilateral. That works very well in
18 energies because of the just number of
19 participants. So then once this agreement's
20 actually legalese is defined and everyone's in
21 agreement with what they want, the actual
22 implementation of that should be done via a

1 standards body and be multilateral in nature. I
2 think that will lead to very quick adoption of the
3 indemnification terms.

4 MR. PRITCHARD: It's Raf from TriOptima.
5 If I could just echo some of Thanasas' and
6 Stewart's points. Obviously the financial data,
7 it's very sensitive and especially when a large
8 amount of it is aggregated into one place. And as
9 a commercial provider of central service to the
10 OTC swap market we've, over the years, had to
11 balance the needs for our customers' sensitivity
12 and privacy of their data with the value of the
13 service that we're providing. And, you know,
14 we've managed to solve that to the point where
15 we've got 6 million live contracts under
16 reconciliation. And I think that shows, to
17 Stewart's point, that technologically the security
18 can be solved. It's really the legal question of
19 how the regulators and the entities that want to
20 see this data appropriately can agree with each
21 other how to achieve that as a regulatory legal
22 structure.

1 MR. SHILTS: Any other comments on that?
2 Then we'll move on.

3 MS. SWINDLER: Let me move to the area
4 of sort of the commercial aspect of the SDR
5 running its business and, in particular, what
6 kinds of fees, if any, should SDRs be permitted to
7 charge for various services, and any other
8 commercial aspects that you might like to comment
9 on. So, DTCC's model's relatively simple. We're
10 an at-cost utility model and our, you know, our
11 fee structure is based on the real costs of
12 providing the service.

13 MR. PRITCHARD: Oh, yeah, we would echo
14 that. I think the fee is really the service of
15 complying with the regulatory requirements in the
16 case of a swap data repository. And really as a
17 service provider our goal would be to fulfill the
18 requirements from the industry and the regulators
19 on the swap data repository on a cost-based fee
20 charge. And I think the balance that we found is
21 that some sort of relation to the amount of live
22 contracts that a party has for the basis of the

1 fee strikes a reasonable balance.

2 MR. SPATT: I think there may be some
3 delicate kind of issues in this context,
4 particularly if there wind up being competing swap
5 data repositories. It does seem to me
6 fundamentally it's going to be an awkward issue
7 for -- this is an awkward issue for regulators
8 because I think traditionally regulators don't
9 really want to be -- I think financial regulators
10 have traditionally not wanted to be in the
11 price-setting or price-fixing business. And, you
12 know, on the one hand, I see real advantages to
13 there being -- at least in specific spaces --
14 single data repositories for particular asset
15 classes. And there was earlier discussion about
16 this.

17 But then also keep -- and I think that
18 probably is a desirable model. But then there are
19 pricing issues that the financial regulators are
20 going to need to confront as with other utility
21 and monopoly kind of models, you know. And I
22 think this is an important issue to highlight

1 because over time, you know, the business of
2 exchanges, for example, in other spaces has become
3 very different. It's become -- it's not become
4 kind of a business about collecting -- specialists
5 kind of making money by doing trading themselves.
6 It's been -- these businesses have kind of
7 transformed themselves into data businesses and
8 into businesses with different kind of products
9 and specialized kind of products.

10 So I think there are other kind of
11 issues that one will need to think about with
12 respect to what are the ways in which the swap
13 data -- what kind of swap data repositories do
14 with the data beyond the functions that you
15 specifically will mandate them to do and that you
16 obviously want them to do per the statute. Can
17 they, for example, forms of their data as
18 value-added products to selective buyers? I think
19 these are real issues with a lot of economics
20 involved. And, well, they're not sort of directly
21 on the radar screen today.

22 You know, I think as the staff sort of

1 introspect about the history of platforms like the
2 New York Stock Exchange, for example, where these
3 issues became -- and in equity spaces where these
4 issues became more and more important over time, I
5 think the analogies to this context are
6 potentially important ones.

7 MR. DIXON: If I could. Mark Dixon,
8 Evolution Markets. Just to build on that point,
9 it raises the real question, which is who owns the
10 data and, therefore, what you can do with it. Is
11 it the market participant licensing the repository
12 for its purposes? And so I think it gets very
13 complex.

14 And I wanted to build on one other point
15 from an earlier question, which is as we get into
16 cross-border discussions around security and
17 access control, the data that is going from one
18 host station to another shouldn't go to a lesser
19 standard or lesser quality. And I think that's
20 something that we need to ensure remains at the
21 highest level possible.

22 MR. DIPLAS: If I could follow up on

1 what Chester mentioned. We had thought long and
2 hard (inaudible) the actual model for the SDRs.
3 The market even before the legislation came into
4 existence had made sort of selections of asset
5 classes such as credit rates, et cetera. We had
6 gone down the utility route because we wanted to
7 ensure that -- because it is a fundamental
8 function that we thought we should not be
9 necessarily subject to competition, and it was
10 done as a Request for Proposal. But there are
11 other elements off the framework that we thought
12 are actually important to be opened for
13 competition. For example, execution is in that
14 realm; clearing is in that realm; et cetera. But
15 the repository function is one (inaudible) that
16 should be centralized. It should be done
17 effectively at cost market participants. Now I
18 think even more with the legislation being enacted
19 and having the requirement to have it there, it
20 makes it even more important that basically market
21 participants will be subject to a monopoly type
22 kind of conducive environment. And I think that

1 clearly the model works very well in that respect.

2 MR. MacBETH: Yeah, I don't think, you
3 know -- I think a lot of the comments are very
4 valid, right. We don't, as DTCC, see that we're
5 in the business to try and commercialize the data
6 we have. We think, you know, the utility model is
7 a good model. We talked about fragmentation
8 earlier. So this idea of at-cost seems to come
9 with the recognition that this service shouldn't
10 be overly fragmented. And some of the decisions,
11 you know, we made in our corporate history have
12 involved us, you know, preserving some of the
13 services alongside the repository that we think,
14 you know, are a horizontal offering and not, you
15 know, really benefit from a level of scale and fit
16 very directly with the repository offering and
17 some other services.

18 You know, people may know this, but the
19 original service started as a confirm service that
20 also had a disassociated centralized database.
21 And we've, you know, separated that confirmation
22 service. And that now operates in a more

1 competitive landscape, you know, separately from
2 the repository and the repository can sit there
3 more as, you know, as a utility offering.

4 MR. SCHOTT: Mark, you mentioned the
5 question of who owns the data and, Stewart, you
6 talked about commercializing the data. Are any of
7 you that are likely to be repositories, do you
8 foresee any use that you think you would make of
9 the data or would legitimately make of the data
10 without the permission of the data owner? Even if
11 it's sort of aggregated and so forth where you're
12 not revealing parties, but any use at all.

13 MR. OKOCHI: Well, I think, to address
14 your point on in previous points, one, I think to
15 induce market competition by allowing any party to
16 register, whether they get approved or not is up
17 to the Commission. But I think allowing for
18 competition would help level the playing field in
19 terms of pricing.

20 In terms of the actual data itself, I
21 think one of the goals of the reform is to allow
22 more transparency and efficiency in the

1 marketplace, and probably some of the criticisms
2 of the over-the-counter derivative markets in the
3 past have been sort of behind the black curtain.
4 So I would have thought that having some way to
5 publicize the data, whether its', you know,
6 ticker-type approach as to what, more recent
7 trades or high, you know, last trade volumes, that
8 sort of data that you currently can get from the
9 exchanges with you have the benefit to the public
10 and to the marketplace.

11 MR. TUPPER: In regards to data, what we
12 do, basically, is Egland Energies is, is there's
13 not a lot of commercial value to the data, okay,
14 so we confirm about 25,000 transactions a week.

15 Really, the only commercial value I
16 really see is used, when you're dealing with this
17 number of participants and the diversity of
18 technical expertise, if you're really getting down
19 to the point is how quickly can these participants
20 submit the information to you. The value really
21 is you're looking at real-time data, end-of-day
22 reports. If that data is not received or

1 typically is not quick enough into the system to
2 them be crossed, so it's really not a system issue
3 from a central provider but really receiving and
4 translating everything.

5 So, really, the only values we're really
6 seeing with the data is for Energies really is the
7 bid week data and natural gas. They're doing an
8 assessment over the -- for all those who aren't
9 familiar, they're the last three trading days, and
10 then the following month you're able to add to any
11 type of indices for first of the month natural gas
12 indexes.

13 Really, short of that, I don't really
14 believe there's going to be a lot of commercial
15 value with NSDR for Energies.

16 It really -- we haven't seen that at
17 all. I think as far as -- just take a step back
18 -- I know we did talk a lot about security and how
19 that's done. I know there's a lot of standard
20 processes in the industry, I think really just
21 formalizing those and making them very transparent
22 is probably the best way to go. You know, we

1 follow a very rigid security process because
2 pretty much everybody at the table here does. We
3 make available our audits to our customers.

4 I know that gives them a lot of comfort,
5 you know, so they can actually see what we're
6 going and what we commit to, and then the results
7 of those audits. I'd recommend that as well.

8 MR. SCHOTT: Steward, you mentioned that
9 DTCC has sort of formed a separate Reval entity
10 for some of the services you provide. Is that a
11 model that others agree is the correct model?

12 MR. MACBETH: In just a -- I guess the
13 one thing I would say about it again, you know, we
14 positioned the warehouse to be this open access
15 vehicle. So, you know, we want, you know,
16 wherever a kind of execution happens or the legal
17 wrappers have put around trades, events how we'd
18 like to source trades.

19 To the extent we can, you know, comments
20 about the cycle of copper records, the ones that
21 can't be further described electronically, but
22 again, you know, we'd like to see those prematched

1 up from in some electronic form fairly early in
2 the last cycle. And so, you know, this is a
3 little bit refers back to the confirmation point.

4 But the other thing we're doing, you
5 know, the other part of our model is we allow our
6 users to permission the data we have for use, so,
7 yeah, there are -- there are, yeah, for example,
8 we have a feeder data to TriOptima, all right,
9 which exists in their portfolio rec service. So,
10 you know, so that's the other thing. So if our,
11 you know, if our users want us to provide the data
12 to another service, you know, we will do that.

13 So, you know, we are trying to position
14 ourselves in this, you know, open utility position
15 to have, you know, a fully set of services a
16 little bit. It started with my name, but the
17 question is to everybody else.

18 MR. SCHOTT: Yeah, the question might
19 actually be sort of to others. Is that the model
20 that should be followed, or are other models
21 equally acceptable?

22 MR. DIXON: This is Mark Dixon with

1 Evolution. I would say with absolute certainty
2 there is a potential for commercialization of the
3 dataset. I would also say that you could have
4 cooperatives such as Steward's suggesting wherein
5 this can be done at, we'll call it, at cost,
6 wherein the participants who are providing the
7 data and license that data for its own purposes or
8 for other purposes to meet regulatory obligations
9 can be done in such a way that you don't have this
10 runaway model that somehow stiffens [sic] market
11 activity.

12 But I would say that something's going
13 to have to be looked at very carefully, so I think
14 the market participants are going to take the view
15 that it's their data. The repository will
16 probably take the view that its data. And so, you
17 know, therein comes the rub.

18 MR. SCHOTT: Yeah, I'd agree with those
19 points. I think, as Jiro mentions the
20 interoperation point, and I think that's a
21 worthwhile example to mention that with the
22 correct legal framework, then data can be

1 exchanged between venues for the benefit of the
2 mutual subscribers. And there's some strong
3 examples of that. We exchange a large amount of
4 data with DTCC, and that enriches the exposure
5 management and valuation that we're doing.
6 In terms of separate legal entrys, we'd be receptive
7 to guidance as to if that's the best way to proceed.
8 I think as a commercial service that has built an
9 exposure management service, really for us it's about
10 balancing, delivering value to the subscribers to the
11 service alongside with respecting that it's their data
12 that we're working with. But it's really the value
13 that we deliver justifies them submitting it to us and
14 having it aggregated and getting the value back on it.
15 And so it's really delivering that value that has
16 enabled us to assemble that, that data and to see the
17 six million live contracts.

18 MR. SPATT: So I think -- I think
19 another related facet that strikes me as really
20 crucial with respect to data is who's going to be
21 the recipient of the data. And, you know, we've
22 kind of -- we're kind of circling around this

1 issue a little bit. We kind of have in mind, I
2 think, kind of a couple of alternatives. The
3 legislation clearly is most directly focused upon
4 the CFTC, the SEC, and the Federal Reserve, et
5 cetera, with the government financial regulators
6 as being the downstream recipient of all the data
7 at least in key forms that come from the swap data
8 repositories with the exception perhaps of some
9 simple aggregates being made publicly available.

10 And, clearly, with respect to what's
11 publicly available, obviously there's issues about
12 confidentiality and the like. But it also seems
13 that there are potentially categories in between,
14 you know, in some of the discussion about the
15 value of the data and the possibility of
16 value-added services, it sort of points out that
17 there might be categories of data that might be in
18 between that interested parties -- maybe asset
19 managers or certainly the financial intermediaries
20 might be very interested in.

21 I think also the ability to provide the
22 data, there's a kind of a whole other dimension as

1 well, which is the ability to provide the data to
2 the public. Potentially, that increases with
3 longer legs, or you can potentially provide more
4 -- this type of data might be more and more
5 relevant to provide to the public with longer
6 legs. I think sometimes the vision of collecting
7 the data is that the data is not only going to be
8 provided to the government officials, and in some
9 ways that might not be the only way to try manage
10 systemic risk.

11 One of the real problems that we had in
12 2007 and 2008 was, arguably, some of the officials
13 charged with the responsibilities, you know,
14 didn't, you know, have difficulty separating what
15 was systemic risk from what wasn't systemic risk,
16 and there was sort of almost no information that
17 was sort of out there about underlying mortgage
18 exposures to the investing public. And I think
19 one of the ways in which the government officials
20 can be helped is by providing more information to
21 the public to the extent that it can be. This was
22 one of the severe problems in 2007 and 2008.

1 You know, there was a period of about a
2 year where it was completely unclear who was
3 holding these underlying mortgage exposures.
4 People knew in the aggregate there were exposures
5 but how they would distribute it and what the
6 systemic risk implications of this was completely
7 murky.

8 So I think there's a number of aspects
9 about data. I think it's not simply about what in
10 the most aggregated way might be public versus,
11 then, what in an obviously and all the detail
12 would be made available to the official -- to the
13 regulators, but also, then, how over time,
14 especially with some reasonable lags what could be
15 provided.

16 CHAIRMAN SHIILTS: Okay, just is there
17 one more -- anything on this? Make it quick so
18 then I can move on to the next.

19 MR. GOOCH: Sure. I kind of feel like
20 everyone's avoided answering the question that
21 Sebastian originally set.

22 Say, to make clear in my view, is that

1 (inaudible) by the participants, and therefore SDR
2 or conferences, or anybody else should only be
3 disclosing information for one of two reasons:

4 The regulations required it, or the
5 participants gave permission for it to be
6 disclosed. I don't think there is any sense we
7 should -- ownership should move in the sense.

8 I agree with Chester some of the
9 information has valued. I think the post-trade
10 stuff is truly doesn't have a great value in the
11 sense you could charge a big, big fat fee to
12 sending out to people but it has value to the
13 public, in that it was sheared of weekly in the
14 CDS data. I think that's very healthy for the
15 public, very healthy for the health of the
16 markets, even though, frankly, poorly done would
17 pay a lot of money to receive that fee if it
18 wasn't publicly available.

19 MR. DIPLAS: Yeah, very quickly, as a
20 user, I would agree with those comments. We
21 believe the data is ours. We pay for the storage
22 in that environment, and we need to work obviously

1 with the regulators in terms of what is the
2 appropriate sort of data to be disseminated to the
3 public for those system risk reasons that Chester
4 mentioned.

5 CHAIRMAN SHIILTS: Thank you. We'll go
6 on to the next question.

7 MR. SCHOTT: But not before thanking
8 Jeff for the last point.

9 So we're going to switch gears, but this
10 will dovetail with something that Chester was
11 mentioning. The Commission's use of the data and
12 one of the statutory requirements is that SCRs
13 provide, quote, "direct electronic access" to the
14 data.

15 I would just like to hear some thoughts,
16 especially again from the potential SDR's
17 perspective, how do you envision direct electronic
18 access? At a mechanical level, what does that
19 mean? Is that reports from you whenever we want
20 it? Does it mean that we have direct pipe into
21 your systems with our own interface? Does it mean
22 that we have access to the very tools that your

1 own staff might be using? How do you see that
2 working?

3 MR. OKOCHI: Well, currently, we've
4 provided similar sort of access to auditors of our
5 clients, the Big-4 audit firms, and we get
6 permission from our clients to -- and we get
7 requests from our clients to allow them access.
8 So the way that mechanism currently works could be
9 passed on postreform. So, basically, you know, if
10 you get read-only access, (inaudible) access, so
11 easily to access from here in D.C. or by the EC in
12 Europe, you know, our vision would be to provide
13 specific reporting that would be tailored to what
14 the regulators would want to view in terms of
15 large positions, potential risk, et cetera, but
16 then allow flexible reporting to slice and dice
17 all of this data, this comprehensive data the way
18 the regulators want to look at it.

19 So I think there needs to be that
20 combination of, you know, templated reporting that
21 all regulators are looking at as well as if
22 related to real time, or at least on-demand

1 flexibly analyze this data.

2 MR. SCHOTT: You may have said this, but
3 just to be clear, before you give it to auditors
4 the access you provide is, are they creating the
5 interface that they see your data through, or they
6 using your own interface?

7 MR. OKOCHI: Well, we're, you know, we
8 provide an interface so they can log in, you know,
9 through Internet Explorer and quickly access trade
10 detail to comprehensive reports, to stress testing
11 and those types of analytics. So it really is
12 more of a solution, not just a data warehouse.

13 MR. MACBETH: Yeah, and I think the
14 answer is, is all of the rule of the forms are and
15 admissible ways of getting data, and you will need
16 an inflexibility in accessing data, then. Like,
17 you know, we've currently got as far as
18 commissioning regulators through a web interfacing
19 some scheduled reports, and that's as, you know,
20 as far as we've got. But, you know, we certainly
21 envisage it going further, and we envisage giving
22 you, you know, defined, clearly access.

1 One of the problems, you know, just
2 roaming around our database a little bit is you
3 have to understand the data.

4 So, you know, like, it needs to be
5 formatted and, you know, fall back to you in a
6 meaningful way. A lot of the record, you know,
7 again, right, we, you know, we were trying to
8 receive the whole audit trail associated with the
9 trade, it's whole life cycle. Yet not every
10 version of every message we've got is valid to any
11 point in time. So sifting through some of those
12 issues.

13 And to deal with the audit trail we have
14 in our system, you know, you probably need some
15 support, you know, from us and our side of the
16 rule data. But, you know, I think we still
17 imagine that you will be able to receive that data
18 electronically and manipulate it, you know,
19 yourself and potentially directly clearly. But
20 there will still be something outside just to make
21 sure the data, you know, comes to you in a clean
22 and sensible manner.

1 MR: PRITCHARD: Um, yes, from
2 TriOptima's perspective, we'd agree with those
3 comments, I think. We built our repository
4 industry, repository service out of our exposure
5 management service and to the requirements that
6 were given to us by the industry and the
7 regulators in conjunction. So requirements would
8 be really valuable to start off with.

9 But I think, you know, fundamentally,
10 the model that we based it on, assuming that the
11 regulators had access to the raw data, the
12 line-item-by-line-item data, that's one level; but
13 also I think the systemic risk-monitoring point
14 some -- from page where you can actually see the
15 highest level aggregation is going to be really
16 valuable. And then in between those two the
17 opportunity to filter and sort and drill into the
18 data. And those are all services that currently
19 provide on our exposure management platform quite
20 successfully. And, as we say, with some guidance
21 about the requirements I think we could be
22 producing some quite interesting opportunities to

1 get into the data in more detailed level.

2 MR. TUPPER: This is Bruce from ICE. I
3 think it is a fault to access, based on meetings
4 we've had with the DMO over at the CTCC, we heard
5 a lot of feedback in regards to aggregation of
6 data. So, I mean I believe creating reports from
7 the front end, and giving the Commission access in
8 how they'd like to see it, that's a pretty simple
9 task I think can be accomplished by probably --
10 there's a competency at this table to do that.

11 I think the big question is aggregating
12 the data amongst energy clearing houses and also
13 the OTC data. Is that a responsibility that the
14 Commission wants to have, or is that something of
15 the repository? Because in order to get that
16 holistic view, you know, there is a lot of clear
17 transactions that have been developed out of the
18 OTC market over the past six years. So, you know,
19 just take natural gas for example as a number of
20 basis contracts that, you know, were never
21 cleared.

22 They had high liquidity and then

1 obviously the clearing houses created their list
2 of liquidities and started developing those.

3 The way you're going to want to view
4 that, you know, it would be easy enough to create
5 your report that would just show you what is the
6 open interest of the basis contracts at a
7 particular point, but now you have to deal with
8 you also have open interests in two different
9 clearing houses. So that effective netting of the
10 three, you know, how you want to accomplish that.
11 I heard that regularly when we had meetings with
12 the DMR, and I want to achieve that. It's a
13 question of whether the systems are here to do it
14 or that's of a duty of the repository for us. It
15 would be a pretty straightforward thing to take in
16 and aggregate, because that's what we do today.

17 But that's not difficult. So I think
18 that's a big consideration. I think whatever ends
19 up coming out of it, I just would say working with
20 the staff who's going to be using these reports
21 and helping them develop screens and interfaces,
22 that would help them achieve their job, this

1 probably would solve that.

2 MR. GOOCH: I think one thing just to
3 keep in mind with this is, there's a big
4 difference with the information in data, and we
5 need to work as we'll see information that's
6 actually useful to the Commission as to do their
7 job.

8 I want to give you sort of an order of
9 scale, a minimum of labor we do about 20 million
10 transactions per year through our systems, which
11 presumably most of which would be of interest to
12 people around this table. The audit trail for the
13 interest rate market alone is 80 million records,
14 which is what we hold.

15 We don't have quite everything so that
16 there's a few that they list towards -- I've seen
17 enormous amounts of information, and when you look
18 into that, an awful lot of the activity in the
19 market does not result in price-falling events.
20 It's new with as to clearing houses. If trades
21 that were done ITC subsequently cleared, trades
22 that were compressed with the (inaudible)

1 tomorrow.

2 Others, there's a variety of things that
3 happens to trades, to the life cycle which is
4 important to understand, and I think we can do a
5 much better job at saying, okay, what type of
6 information is used for what purpose and finding
7 why the extracting lapped. It's all technically
8 doable. I think you around this table can do it.
9 It's not just a question -- I think somebody will
10 see it and think it's a question of having six
11 million compositions or 20 million transactions or
12 whatever, whichever number everyone's holding and
13 handing them over. It's a little more complex
14 than that. It's solvable, but there's real work
15 to do.

16 MR. DIPLAS: I think Bruce highlighted
17 kind of the issue of what happens in the
18 fragmented infrastructure between ODC, different
19 clearing houses, et cetera, and the need for, I
20 think, I would be guessing that they're not a
21 class level.

22 I think that that is fundamental, and

1 the problem that Jeff highlighted, of course, is
2 still you're going to have an issue with too much
3 information not too little information, and
4 actually trying to use that in a way that you can
5 get something out of it is fundamental.
6 Obviously, and also your own needs as regulators
7 note, you need to leave. The systemic-risk issues
8 are different; they're relying much more on the
9 intelligent aggregation, but the market
10 surveillances are completely a much more granular
11 task. And the repository has to be able to
12 provide more, basically.

13 But I want to highlight a lot of the
14 system-risk issue. The intelligent aggregation is
15 the most fundamental point.

16 MR: PRITCHARD: I'd just like to pick up
17 on what Jeff and Sebastian said. Jeff made an
18 excellent point. There is also as well as getting
19 the live contracts that you're saying is the time
20 dimension, that's the history of all the previous
21 submissions that you've had and providing a
22 reporting access to that. In our experience

1 providing an exposure management service, that's
2 been one of the most valuable features that the
3 subscribers have benefitted from is the ability to
4 see the state of the transactions on previous
5 dates and graph that and watch that other history.
6 And so that's another extremely important
7 dimension to the requirements, because once you
8 start accumulating this data on a regular basis,
9 you just develop more and more needs for
10 reporting. And that's one of the values.

11 But it's also one of the challenges is
12 just to satisfy those requirements.

13 MR. DIXON: I would echo that on the
14 data retention that that's going to grow as a
15 challenge over time. I would also suggest that
16 once the Commission's decided on what they need,
17 then it becomes a little more straightforward for
18 people to provide complete, accurate, timely, and,
19 more importantly, actionable information.
20 Otherwise, you're just caught up in a mire of data
21 that isn't actionable. And you can also start to
22 raise questions around the integrity of that data,

1 and that becomes a distraction from the main
2 effort, I think.

3 CHAIRMAN SHIILTS: Any more --

4 MR. SCHOTT: Thank you.

5 MS. SWINDER: I'd like to move on to one
6 of the core principles identified in Dodd-Frank,
7 in particular governance.

8 I'd be interested in your views as to
9 governance structures that might be appropriate
10 with a view to giving full access to market
11 participants.

12 MR. MACBETH: So DTCC's model is a user
13 governance. You know, we certainly think that
14 makes sense in the environment that we're in and
15 for the services we're providing. Now, some of
16 that needs some kind of diversity as well in terms
17 of the wider public interest, and they also should
18 be represented, and, yeah, the main board, DTCC
19 has some independent board members, and it has,
20 you know, buy and sell sort of members. And that's
21 the, you know, the structure that we would
22 advocate.

1 MR. OKOCHI: Well, at Reval we have
2 actually currently put in place a chief compliance
3 officer with pretty extensive experience in both
4 the derivative marketing-making experience and, on
5 the buy side, his current path would be to report
6 in to independent board members of Reval.

7 Actually, I should also add that in
8 addition, that additional governance, there are
9 certifications like a SAS 70 Type II where an
10 external audit firm can come in and audit your
11 controls and processes around how the SDR is, you
12 know, functioning that can cover, you know, a wide
13 range of processes from the data verification to
14 evaluation. So I think that's another aspect that
15 could be considered.

16 MR. COOK: Can I maybe just to amplify
17 the question a little bit, because we -- they had
18 a whole, another roundtable on conflicts in
19 governance with respect to SAS and clearing
20 agencies, and spent a lot of time talking about
21 the nature of the conflicts that could arise that
22 might inform our policy choices about what types

1 of government structures to promote.

2 So my question, I think, to begin, but
3 you don't answer the question, is what are the
4 policy issues here around governance that we
5 should be taking into account? Are there the same
6 types of concerns that there are with the SEFs and
7 the clearing agencies, at least as drivers of the
8 requirement that we study that issue under the
9 statute? Or is a data repository a different
10 animal?

11 MR. DIPLAS: I would think it is a
12 different animal. I mean we haven't seen this
13 type of conflicts. I mean I know that a lot of
14 conflicts have been mentioned with respect to
15 (inaudible) CCBs, but on the report story,
16 especially being around these utilities, we have
17 not had any issues of conflicts, and I think the
18 model has worked well with the users kind of
19 participating in that respect.

20 But we -- definitely, it is open. It's
21 mandated by law for it, but to actually put the
22 trades in there, and they don't even have the

1 right to, I think, to turn anybody away.

2 So we have not experienced this type of
3 conflicts before, and I don't expect to experience
4 in the same way. For once, it might be an easier
5 situation.

6 MR. TUPPER: Yeah, I'll echo that. I
7 believe it is a different animal when you look at
8 the nature of a clearing house versus that of a
9 swap data repository processing post-trade events,
10 you know, the conflicts of interest that you have
11 on an SDR really are much different than that of
12 clearing house.

13 I believe the earlier panel members
14 pretty much said, you know, usually you'll create
15 a governance board of your participants. Some
16 type of procedures got around that with
17 restrictions around how that could be changed, and
18 then, obviously assess 70 Type II audit
19 afterwards. That process has worked well for us
20 for eight years, and, you know, if a customer does
21 want to make a change, obviously it requires a
22 majority of users to agree that process had been a

1 change in the audit, and that everybody kind of
2 sees it.

3 So I think the self-governing kind of
4 governance structure for SDRs has worked well in
5 energies. We could formalize it with the
6 Commission, but there hasn't been any issues today
7 with it.

8 MR. MACBETH: There was a -- the main
9 comment is that the rules are relatively
10 prescriptive in terms of better share.

11 So, you know, I think that is valid.
12 But there was earlier a conversation about
13 commercializing data, and, yeah, although it's a
14 lesser dynamic, it, you know, if that were a
15 dynamic, that does have, you know, some degree of
16 --

17 MR. SPATT: You know, I'd agree. I'd
18 agree with that, too. You know, I think my
19 inclination is the same as many of the panelists
20 that it's not obvious that there are going to be
21 severe governance problems here. But, you know,
22 at the same time I think one also wants to be

1 sensitive to the possibility that government
2 problems might arise. I'm not suggesting being
3 overly prescriptive with respect to how this issue
4 is approached, but I do think that the analogy to
5 who a clearing organization is not completely
6 inappropriate. One of the issues here that we
7 discussed earlier was the importance of the swap
8 data repository dealing with nonelectronic data
9 that comes in, in the context of a customized
10 contracts. Now, one could imagine issues about
11 the pricing for dealing with those versus dealing
12 with the cleaner, smoother, electronic data where,
13 for example, quality, just like in the context of
14 clearing, there would be kind of competitive
15 issues, vis-a-vis the dealers who would be
16 competing on the customized margin the same --
17 exactly the same economics it seems to me to be at
18 least potentially apply.

19 And I think that could -- that, at least
20 in principle, could be a context in which there is
21 a first-order conflict.

22 Now, I don't want to overemphasize that,

1 but I think at least it is possible, certainly,
2 that there would be -- that there would be real
3 governance -- that there could be some governance
4 conflicts.

5 MR. GOOCH: I think a lot depends on
6 what the other rules have SDRs. I mean maybe I'll
7 be able to sort of more or less conclude it that
8 SDRs as covering visage don't present major
9 conflict of interest issues. But that's largely
10 because they're talking about a utility, not
11 for-profit model. We're talking about open-access
12 model. We're talking about something that's
13 unbundled from other services. We're talking about
14 a data service made available because for users'
15 sake can be altered if the regulations require it.
16 If those things are all there, then I think the
17 SDRs are probably relatively safe in terms of
18 conflicts.

19 If you imagine a very different world
20 with for-profit SDRs, bumbling (inaudible) without
21 the commercial offerings, certainly, and to the
22 data may you would have issues. But I think, you

1 know, it's probably best not to have (inaudible),
2 and have both fixes, but if we go to them, you
3 know, the things we talked about earlier on, then
4 that probably gives you quite a lot of guarantees.

5 MR: PRITCHARD: Oh, I can say from
6 TriOptima's perspective, you know, our expenses
7 are commercial provider of our exposure management
8 system, we've obviously been totally relying on
9 satisfying the needs of our subscribers. And so
10 they've had a strong voice in the way the
11 (inaudible), but since we've operated the interrate
12 trade repository, we've organized that with a
13 governance committee from the industry alongside
14 the regulators, and as we're regulated in Europe,
15 we have a compliance function there, too. And I
16 think we've succeeded first of all to implement
17 the regulations and the rules that are written
18 there, and then to take that forward.

19 I'm just at Chester's point. In our
20 exposure management service, we already are
21 reconciling between the parties to the trades a
22 large amount of those exotic and nonelectronically

1 confirmed trades on a regular basis, so we have a
2 successful experience with that, also.

3 MR. COOK: Can I just follow up on
4 Jeff's point quickly, because I think it's an
5 interesting question in and how the fees relate to
6 it in our model of -- what do we have in mind?

7 What are our assumptions about the
8 activities over the trade repository. And in some
9 ways I think you were setting up a choice that you
10 could worry a lot about governance, or you could
11 restrict the activities of a repository to
12 unbundled services, form a utility model and the
13 like. And I want to make sure I understood you
14 correctly.

15 MR. GOOCH: The thing that I was
16 supporting, but I'm not saying one company can't
17 do both, and (inaudible) giving the example where
18 he runs both models side by side with some
19 separation of governments and structures. I think
20 he didn't say that one company can't do more than
21 one thing, but I think he didn't say SDRs are sort
22 of a mandatory thing in terms of the regulation.

1 And then you have to preserve protections around
2 them in terms of making sure that they don't abuse
3 that position.

4 I think some -- you either go down the
5 government's route, but the government is kind of
6 a blunt instrument fix. Some of the problems I
7 think are (inaudible) on conflicts in terms of
8 their (inaudible) is probably a safer route to go
9 down.

10 MS. NATHAN: I'd like to go back for a
11 minute to Jiro's comment and to the last question.
12 Reval has a chief compliance officer, presumably,
13 with enumerated duties. SDRs would be required
14 under the statute to designate a CCO, and I'm
15 wondering if the other panelists can discuss any
16 specific regulatory functions that you all believe
17 a CCO might perform or oversee.

18 Or not.

19 MR. TUPPER: Uh, I mean that role, we
20 have a person who does that. There's a -- it's
21 kind of an executive role where they overview our
22 processes. The role, typically, I'd say it's a

1 person who manages the SAS 70 Type II audit that
2 was mentioned earlier. So you going to work with
3 the Commission and the participants to draft the
4 procedures that are acceptable to run an SDR, and
5 then managing that, that audit process thereafter,
6 and working with the auditors to make all the
7 statements and then follow-up validation that
8 you're doing what you said you would do in your
9 audit.

10 I think that person also could liaison
11 with the Commission as a follow-up of any needs or
12 requirements that they would want in that audit
13 and just give assurances. I think anyone who's
14 operating this type of service, you know, it gets
15 to be current to continental exchange. We offer a
16 lot of exchange services. We operate the eConfirm
17 service in a very independent manner, separate
18 staff, the SDR, the hardware is its own, nothing
19 else runs on it.

20 The developers, if you port the access
21 to the data only works for this SDR. You know,
22 there's this -- I don't want to get too granular,

1 but there are certain procedures I think that are
2 practiced that you would want in that audit.
3 Things that may come out of the rulemaking process
4 would have to also be added as well.

5 MR. MACBETH: And so, you know, we are a
6 regulated entity, so, and we will at least find
7 our in-compliance officer, KYC-ANO we have a, you
8 know, a customer base we do that with, and they're
9 very interested in the governance model, and the
10 GTs of the various structures within our
11 organization, so the board responsibilities, the
12 executive management responsibilities, some of the
13 connectivity between them. And they focus on this
14 issue, so, you know, how we've documented and
15 managed our processes and, you know, and clearly
16 they actually engaged, took me to a regulator.

17 MR. OKOCHI: I think I'd just like to
18 add some of the other reasons why we think -- some
19 of the other roles that the chief CCO could have
20 with the -- to help evaluate all of the trade that
21 don't make it into the swap data repository and
22 sit on the Commission's desk to figure out is

1 would be something similar that they have sort of
2 a staff, and that they are their own sort of
3 center within the SDR? Or are they more one or
4 two people who are sort of, you know, managing
5 conversations and relationships with outside
6 groups.

7 MR. OKOCHI: I think it would be very
8 difficult for -- well, if you're going to be
9 chief, it implies you have somebody to be chief
10 of.

11 MR. SCHOTT: All right.

12 MR. OKOCHI: So, yeah, I think there
13 would be a staff that would help, you know, with
14 the day to day. I mean it's going to be a very
15 important and big task to, you know, help govern
16 all these trades whether it's, you know, one SDR
17 per SC class or multiple. I think it's pretty
18 challenging.

19 MR. SCHOTT: But it wouldn't be just
20 sort of outside, for example, your auditors you
21 would use, that you were working with. You would
22 envision that there is a lot happening in house in

1 terms of monitoring or verifying compliance by the
2 SDR with whatever obligations and nothing imposed.

3 MR. OKOCHI: I don't think there is as
4 much importance to trade that Chinese wall and
5 separate the duties so much since it is
6 post-trade, as other panelists have mentioned.
7 But again I think there should be some pretty
8 strict and clear guidelines as to, you know, what
9 the compliancing can do with the data, access to
10 that data. So, certainly, some separation on that
11 front.

12 MR. GOOCH: I think there is two
13 different sources of compliances that we need to
14 think about. One is SDR is a regulated entity.
15 We'll need to have a compliance function.

16 We should be independent. All the
17 things that any finance institution or serious
18 market infrastructure has to date, certainly has
19 marketSERV that would regulate to the UK, for
20 examples, however, a compliance officer and a
21 weekly compliance meeting, and we have endless
22 policies and rules and regulations about things

1 and all that kind of stuff we think is important.

2 I think one interesting question you get
3 into is if the new regime is going to work
4 effectively, who's ensuring the industry itself is
5 compliant, in the sense that if someone doesn't
6 report a set of trades to the SDR or misreports
7 them, what happens with that in terms of
8 follow-up, ultimately, and who levies fines on the
9 individual participant that go back to the
10 Commissions? In other markets, obviously, it goes
11 back to an SRO. The things with the very serious
12 questions that are around, I think just have the
13 SDR manage itself, but then how does the whole
14 framework manage itself, and, you know, who's
15 having those functions? I'm not entirely sure the
16 SDR should be the SRO, but when you think about
17 how they interaction with work, and that's
18 probably something more complex to set up.

19 MR. SPATT: Yeah, and I think, you know,
20 it would be, to follow up on Jeff's observations,
21 I think the issue of the scale of this function is
22 going -- it depends, obviously intimately, on the

1 responsibility if it's simply the compliance of
2 the swap data repository with respect to its own
3 rules, kind of in a relatively mechanical level
4 and interfacing with the regulator, that might
5 suggest a need for a relatively modest staff.

6 If on the other hand there's a more
7 activist role with respect to either upstream
8 kinds of issues as from the SRO in one extreme, or
9 even to deal with those -- the nonelectronic
10 orders and making sure that these are being
11 handled in the appropriate way, that could
12 suggest, you know, again significantly more
13 staffing kind of need.

14 So I think the scale of the staff of the
15 chief compliance officer would depend very much
16 upon the model of what is the role with respect to
17 those kind of issues.

18 CHAIRMAN SHIILTS: Okay. Well, let's
19 move on.

20 MS. SWINDER: I'd like to go back to the
21 issue of other duties or responsibilities that an
22 SDR might have that might need to have that aren't

1 necessarily set forth in Dodd-Frank, and, in
2 particular, your views as to whether SDRs should
3 have a market surveillance function.

4 MR. GOOCH: I think a little bit there
5 depends on how you define market surveillance.
6 I'm not trying to avoid answering the question. I
7 think in terms of generating reporting to monitor
8 the market, I think given the earlier comments we
9 had about the amount of data that were out there
10 and the complexity, I think it will (inaudible) to
11 create the right reports to spot things.

12 Market surveillance is about more than
13 regional reports though. I think a good market
14 surveillance department is investigating issues,
15 looking at market rumors, everything else, and
16 that's where I think this question about does the
17 SDR do that, does the CFTC and SEC do it, is there
18 some SRO that does it? That's the only thing that
19 needs to get decided about how that follow-up
20 works. I think if you read the act, it would sort
21 of imply the commissioners are doing that
22 themselves, in which case the SDR is very much

1 providing information to support that function
2 rather than launching its own investigations, but,
3 well, I just think --

4 MR. PRITCHARD: I think that when it
5 gets to market surveillance, going back to the
6 original point about an SDR having a comprehensive
7 view of all the trades in the OTC swap market,
8 that's one sort of approach from the point of view
9 of developing a software service to cover that.
10 Market surveillance, on the other hand, tends to
11 be asset class specific. You're going to end up
12 looking for specific things in specific asset
13 classes, and so it's somewhat important to be
14 clear, and given SDR a set of functions that are
15 cohesive and providing comprehensive reporting
16 across the whole of the OTC swap market, all asset
17 classes and all instrument types is one value, and
18 then providing market surveillance, which could
19 get into different things meaning different things
20 to different asset classes, because there are some
21 pretty diverse asset classes within the OTC swap
22 mandate that could end up a rather broad mandate

1 for a repository.

2 MR. TUPPER: I think at ICE we really
3 didn't view the SDR as being a policing function
4 for the industry. I think we, you know, agreed in
5 reading Dodd-Frank you look at the duties and it
6 seems like it more or less provides the facility
7 for, obviously, the Commission to do that. I can
8 say today in energies I don't believe there's any
9 expectation that the procedures and rules of the
10 SDR would have a market surveillance aspect to
11 them. I think, though, that the energy
12 participants do expect it. The SDR would provide
13 the Commission with that ability to view that data
14 and make their decisions on, you know, what's
15 happening in the OTC market. So, obviously,
16 having a robust, you know, regulatory
17 functionality within the system would allow the
18 Commission to do that. But it can speak -- there
19 really aren't any rules or procedures in place
20 today at least for energies market that you could
21 build on. It really isn't there.

22 MS. SWINDLER: Yeah, let me just

1 qualify, because perhaps my use of the phrase
2 "market surveillance" took us in a different
3 direction than I really intended, because
4 Dodd-Frank refers to monitoring, screening, and
5 analyzing data. And that's really what I was
6 trying to get at. So, if you could speak to
7 whether you think that's an area that SDRs should
8 undertake some obligations and if so what is your
9 view as to what that means?

10 MR. TUPPER: Yeah, to summarize --

11 MR. SCHOTT: If I could add -- because
12 that same provisions speaks to end-user exemption
13 claims, so as part of your answers if you could
14 just also give your opinion as to specifically
15 that function and what you see as the SDR's role
16 they are in terms of monitoring those claims.

17 MR. TUPPER: Okay, so the first part --
18 I believe I kind of summarized that -- would be
19 pretty much providing this regulatory
20 functionality or user log, and that would have all
21 these reports that provide the Commission with
22 that ability.

1 The end user -- that's an interesting
2 one, especially in industry commodities, because
3 there are -- there would be effectively, I
4 believe, a lot of participants seeking that
5 category.

6 Today, a number of our customers are
7 what I'll classify as end users, or they make up a
8 high percentage. Many of them do use the service
9 or what their -- they seek a lot of benefit with
10 electronic confirmations in general. So, if you
11 start to say why would an end user use a
12 confirmation service, to them it's -- you know,
13 it's a reduction in back office costs. You know,
14 they can leverage a lot of the technology that the
15 large dealers use already, and they can receive
16 their confirmations electronic, so it's quicker,
17 and there's just a general efficiency garnered
18 from electronic confirmations.

19 How that's going to work with the
20 Commission as far as these requirements to
21 continue to use the system I think would need to
22 be, you know, evaluated. There is a significant

1 number of price -- there's a (inaudible) price
2 discovery, especially in certain points where
3 there are a high percentage of end users, which --
4 that would take it out of the equation, may make
5 it a little more difficult to realize what's going
6 to happen in that particular delivery location or
7 that market. So, it's going to be a balance as
8 far as the requirements for all end users to, you
9 know, report. I think there's a lot of ways that
10 the industry could leverage technology to help
11 them report. I think a lot of them don't have the
12 sophistication of many of the other asset classes.
13 So, it's going to be a balance.

14 MR. OKOCHI: Well, I think the question
15 really is: Is it up to the swap dealer of major
16 swap parts who've been providing the data to also
17 provide data that verifies that the other side of
18 the trade qualified for the end user exemption is
19 not a financial entity hedging commercial risk, or
20 is it up to the SDR to go out and get that
21 information. You know, the way the Bill is
22 currently written, only one side produces the

1 trade, so if the SDR is tasked with, you know,
2 matching, confirming the trade to the details of
3 what was on the other side of the trade as well as
4 the end user exemption, then it would go beyond
5 just collecting the data. We would have to have
6 access to the counterparty information, speak to
7 the counterparty, and confirm that they indeed
8 qualified. So, you know, it would be quite a big
9 additional task if that was the intent.

10 MR. PRITCHARD: Yeah, I think -- getting
11 back to the fundamentals of it -- following the
12 rulemaking, the SDR, from a technology
13 perspective, really is receiving all those line
14 items of data and providing reports back to the
15 regulators on it, and to the extent that from that
16 data that's collected every time and the history
17 of that data, valuable reports can be produced to
18 flag out potential noncompliances or -- then that
19 could be a function of the SDR, but that's really
20 the extent of it from our perspective.

21 MR. DIPLAS: I'm no sure, though, how
22 the SDR would be expected to perform some of this.

1 Some of the information you mentioned about the end
2 users the SDR doesn't really have. Frankly,
3 neither does the dealer. You can never know
4 whether the end user really is doing this for the
5 reason they said they did. I mean, that's sort of
6 thing that comes down to the regulatory and that
7 end user. It's very -- I think it's going to be
8 an impossible task to expect either the SDR or the
9 dealer to perform.

10 MR. GOOCH: I think one other practical
11 thing is it's not true today that all repositories
12 even know who the counterparties are to all of the
13 trades, so I'm thinking one very basic thing we
14 need to take care of is making sure that people
15 can put their information into repositories before
16 we even worry about what we might do with that
17 information later on. That's not a stray thought
18 to do in many jurisdictions.

19 MR. DIPLAS: Yeah, that goes back to the
20 issue of the privacy law issues that we're talking
21 about. So, you need to solve that end of the
22 puzzle as well, basically, before you can of

1 course do the next one, because what Jeff
2 mentioned -- in some jurisdictions we cannot
3 reveal the name of the counterpart without
4 committing a felony basically.

5 MR. TUPPER: Just to summarize, I mean,
6 what we see is about around 25 percent of the
7 trades we process are -- have a dealer associated
8 with it, so that leaves 75 percent of the deals
9 that really are not -- you know, someone has
10 mandated a report, so it's really going to, I
11 think, be up to the Commission to kind of provide
12 guidance around what are going to be the
13 requirements of end users or non-dealers to report
14 in order to get you the data -- to provide the
15 dataset you'd be looking for.

16 MR. SHILTS: Anything more on that?
17 Okay. Thanks.

18 MR. SCHOTT: This next question is -- I
19 think I'll call it half -- a half-formed question,
20 but as we read the statute, we see that there
21 might be a need for SDRs to establish emergency
22 procedures, emergency rules not only in the event

1 of sort of outside natural disaster or other types
2 of manmade events but really market events, and we
3 have rules, certainly, in the clearing, in the
4 market, and in the exchange space about market
5 events that might require the exchange to use
6 special authority that it wouldn't otherwise be
7 able to use. In the SDR context, do you see a
8 similar need? Are there market events that might
9 require the SDR to act? What might those events
10 be, and what sort of authorities should the SDR
11 have in that context? And if answer's "there's
12 nothing," that's fine, too.

13 MR. OKOCHI: Well, certainly, if there's
14 another potential credit event or significant
15 downgrade of a swap dealer on a real-time basis,
16 the Commission may need to come in and view the
17 data, so I think -- in a later panel, you're going
18 to discuss real time, but if, you know, I think
19 it's certainly a better -- bigger, better set now
20 than it was in, say, two years ago where it was
21 hard to even understand who had the risk. So,
22 clearly a credit event could be one aspect.

1 I think the other -- you know, what is
2 systemic risk? There's the to-big-to-fail type of
3 systemic risk, but I think also there's, you know,
4 regional systemic risk, product-related systemic
5 risk so if everyone is doing certain direction in
6 a trade and your own dollar goes to 90 cents or
7 something -- you know, again, could be a market-
8 driven-event. So, interest rate, foreign exchange
9 commodity, credit, equity events could drive --

10 MR. SCHOTT: What would be the SDRs'
11 unique role? What would they have to step in to
12 do if one of these events occurs, if anything?

13 MR. OKOCHI: Yes, I think, you know, how
14 stale is the data that has come into the SDR, so
15 if the requirements for the data providers would
16 be, you know, every five minutes or at the end of
17 each day, I think that's one of the requirements
18 that you would have to consider -- how frequent do
19 you need it -- and then in the event that you need
20 it in between, you know, the time that someone's
21 submitted the data, then, you know, what rights do
22 you have to all of a sudden upon all the dealers

1 to refresh their data, you know, midday or middle
2 of the night?

3 MR. SPATT: So, I think this raises an
4 interesting point to the -- you know, I've been
5 stricken in recent years by the extent to which in
6 other contexts interim final rules are used when a
7 regulator is kind of pulling out of the gate on an
8 issue and basically, to some degree, perhaps even
9 arguably skirting the notice and comment process.
10 Now, clearly in the kind of context we're talking
11 about and sort of following up on the last
12 comments, there could certainly be situations,
13 whether it be on the one hand actual disasters and
14 kind of 911 types of things or market kind of
15 dislocations. And here I think not so much about
16 May 6 but more about what happened in 2007/2008
17 where there could be some needs. But I would
18 caution -- even here I would caution that I think
19 better -- to some degree, better rules are rules
20 that aren't simply sort of slapped in place over
21 some weekend or at 6 a.m. some morning, which is
22 sort of what in various spaces happened in

1 September of '08 in a whole variety of financial
2 regulatory spaces. I mean, we basically had short
3 sales banned on huge numbers of financial stocks,
4 which caused all kinds of adverse consequences for
5 example.

6 I seems to me that what one would like
7 to do is to define, to the extent one can -- and
8 one may not be always able to fully do that, and I
9 kind of appreciate that in the context of a crisis
10 -- but one should try to step back during this
11 type of process and try to identify what would be
12 the types of circumstances that, for example,
13 following up on Jiro's comments, would necessitate
14 a speedup in the provision of data -- what would
15 be those types of circumstances? -- and then maybe
16 frame some parameters as to what that speedup
17 might be. And, you know, that's not to take away
18 necessarily all emergency authority kind of
19 incremental to that, but I think to the extent
20 that that's kind of built in to the
21 ex-anti-framework, that's a much healthier system
22 than the types of situations that we observe both

1 at a transactional level and in a rulemaking
2 context by the financial regulators and
3 supervisors in 2008. So, I think building it in
4 to the fabric as best as one can is a much better
5 way to go, and obviously, you know, it's sort of
6 like an -- it's kind of like an option or it's
7 like a trigger or something like that, but I think
8 building that in so that then that has the
9 advantage that market participants understand, to
10 some extent, the rules of the game in advance of
11 that in a contingent way. But understanding the
12 rules of the game in advance, even if it -- and in
13 a contingent way -- strikes me as sort of very
14 important and I think likely to produce both
15 better rules and better reactions by the market
16 participants.

17 MR. DIPLAS: I would fully agree with
18 that. I mean, the -- I can't stress enough the
19 importance with kind of legal certainty, a context
20 certainty, especially in a stress period. I think
21 the most problematic kind of reaction from market
22 (inaudible) we have seen resulted from (inaudible)

1 certainty, especially with emergency powers. I
2 know it was mostly (inaudible), for example, with
3 (inaudible) actually encounter emergency type
4 situations (inaudible) fundamental for us to
5 actually deal with those kind of with a scalpel as
6 opposed to a sledge hammer in order to actually
7 ensure that the conduct, the sanctity is
8 preserved, and if there are times that the
9 emergencies need to take -- to be dealt with but
10 the economic context or the conduct need to be
11 preserved or need something, sometimes with
12 respect to timing -- there might be delays
13 (inaudible) to deal without the emergencies
14 (inaudible), but that should not affect the
15 underlying context. I mean, we start with that
16 premise, I think we're okay, and we just adjust
17 the flexibility in the system to deal the
18 emergencies, but we don't undermine the system.

19 MR. GOOCH: I think the problem with
20 emergencies is it's very hard to know what they're
21 going to be and how to deal with them. So, I
22 think there's only two things you can probably do,

1 practically speaking. One is to have the
2 repositories themselves as real time (inaudible)
3 information content as possible to maximize the
4 chance that any information regulated needed to
5 deal with emergency was actually there at the time
6 it happened.

7 The other thing is about the SDR itself
8 in terms of BCP coverage how to region support,
9 that kind of stuff, to make sure the SDR isn't the
10 cause of a problem or isn't actually impacted by a
11 problem. Something -- the SDR is something that
12 is probably very dull and boring and unnecessary
13 most days of the week. Occasionally we're here to
14 really need it and just need to make sure on that
15 day it has the information you wanted and is
16 actually available when it's happened.

17 MR. PRITCHARD: Yeah, we did totally
18 agree with those points. I think the value of an
19 SDR is the data that's already there when a crisis
20 strikes and, you know, about to let you change
21 what it does in a hurry, and our exposure
22 management service was up and running in 2008 and

1 a lot of the firms that had already got data and
2 history on it were able to derive significant
3 value, and we saw a huge uptake and usage of it
4 particular weekends of the crisis, and I think I'd
5 agree with the point that it's the data that's
6 already there that is going to be valuable.

7 MR. TUPPER: I think the best thing the
8 SDR can do in times of stress is availability.
9 You know, availability is building, you know,
10 (inaudible) redundancy, back-office facilities, DR
11 sites into your system.

12 To echo the point, you know, most days
13 of the week, a confirmation -- SDR services are
14 pretty boring. Utility-like product but all of a
15 sudden when there is a stress event, you know.
16 Like around Lehman, we received a lot of calls
17 making sure that we were going to be up. All the
18 trades are historically available, all that's
19 done. I mean, that's pretty much a -- I would
20 say, having just technical requirements of a
21 global, scalable system would have that redundancy
22 built into it in order to always be available in a

1 time of stress.

2 MR. SCHOTT: Thank you.

3 MS. NATHAN: I think we have time for
4 maybe one more question.

5 How do you all believe that the
6 application and registration process for
7 designating or registering an SDR should be
8 structured? For example, in what technological
9 compliance, resource, and other areas should an
10 SDR be required to demonstrate competence and
11 proficiency in order to be registered?

12 MR. OKOCHI: Well, I think certainly
13 having a track record of being able to house this
14 type of data, including the ability to understand
15 the different trade types, book, value process,
16 report on these trade types is key, track record
17 for showing, up-time, you know, strong, sort of
18 (inaudible) agreements, all of the security backup
19 information that's required. So, you know, I
20 think, you know, on the one hand you want to
21 encourage as many potential SDR registrants as
22 possible so you have some choice as you go through

1 the actual selection process, but clearly you want
2 to manage that a little bit and have some key
3 requirements around the technology, ability to
4 really deliver software because it's not just
5 about delivering a database, a software that can
6 analyze the data, provide the reporting, and
7 providing the access.

8 MR. GOOCH: You guys are pretty more
9 expert at this than we are. I imagine if I was
10 sitting in your shoes I'd worry about compliance
11 functions, at the early conversation, whatever the
12 minimum requirement is to make sure that's in
13 place. I think BCP and security is incredibly
14 important to make sure whoever filling SDR
15 function has that. And then the final thing is
16 are they able and committed to providing you the
17 data you've decided you needed to see, wherever
18 that ends up being, making sure they're not -- and
19 don't have legal impediments or systemic
20 impediments to provide that data.

21 A lot of other things you could talk
22 about, but this has to be in place by July next

1 year. There's not going to be a lot of time.

2 MR. TUPPER: I would say in addition to
3 the system providing such a service probably
4 demonstrated expertise in a particular market
5 type, the systems can function great. But
6 obviously having a track record working with the
7 industry to provide standardization, you know,
8 around changes in industry events -- you know,
9 energy is always an evolving market, so being able
10 to work with industry participants to develop
11 those standards and then list them effectively on
12 a system. Also I would say a proven track record
13 of working with outside vendors, especially in
14 energy. That's very popular. Many of the
15 connections are provided by outside vendors.
16 Connectivity to the market participants, you know,
17 demonstrated track record. That's important,
18 because, really, an SDR is only as good as its
19 ability to aggregate and receive data. So, that's
20 another consideration in addition to all the
21 system requirements I think, which are pretty
22 standardized.

1 MR. SHILTS: What about some sort of
2 financial resource?

3 MR. TUPPER: Yeah, we -- we -- to
4 confirm -- that's a great question. We actually
5 carry an operational on the OP policy, so I would
6 think obviously, you know, we carry a policy of
7 \$10 million per event, so if, you know, if a trade
8 is matched in error, you know, participants are
9 (inaudible), that would probably be a requirement
10 as well.

11 MR. SHILTS: That's a good point.

12 MR. PRITCHARD: I think we talked about
13 the comprehensive coverage at the beginning, and
14 that's key, because one of my colleagues mentioned
15 a provision in the act submitting trades that
16 wouldn't be accepted by any repository directly to
17 the Commission, and that's probably something you
18 don't want to get. So, comprehensive coverage
19 across the whole OTC swap landscape is important,
20 and also scale. We see six million trades on a
21 regular basis, so once this rules come into effect
22 -- I know there are some periods of sort of phase

1 in, but you are potentially going to get a huge
2 amount of data, and then you're going to get it on
3 a periodic basis, so capability to handle the
4 entire market is an important consideration.

5 MS. NATHAN: We do have one last
6 question. Oh, I'm sorry. Please, Mark, go ahead.

7 MR. DIXON: Just add to what the
8 gentleman said. I would think there's probably
9 more similarities than there are dissimilarities
10 between the infrastructure and operations of a DCO
11 or a DCM in principle, applying best practices. I
12 think staffing competency would also be key to add
13 to the things that Bruce had just mentioned, which
14 means there's going to have to be some face time
15 between the regulator and the entity.

16 MR. SCHOTT: So, one last question on a
17 slightly different topic. We've spoken a lot
18 about the Commission's being able to reach into
19 SDRs and form pictures, you know, of an aggregate
20 marketplace. Do you foresee any need for SDRs to
21 communicate with each other? Should there be any
22 requirement or voluntary agreements for SDRs just

1 to share information?

2 MR. OKOCHI: Well, I think it's in the
3 best interest of everyone to work together no
4 matter how many SDRs there have been, in
5 particular with the SDRs that are internationally
6 based. So if, again, you're trying to get a
7 global view of risk, just having, you know, an
8 efficient SDR program in the U.S. doesn't really
9 solve the problem. So, I think it's really the
10 ability to coordinate within the U.S. And then
11 certainly offshore.

12 MR. SPATT: Even from a process point of
13 view, I would imagine that the SDRs are going to
14 face similar types of issues and challenges across
15 -- both across countries and across product
16 spaces, and certainly there's going to be some
17 scale economy just in -- certainly at least
18 allowing and encouraging the SDRs to share with
19 each other the benefits of their expertise on the
20 process side. And I don't mean just computer
21 process, but even with respect to kind of perhaps
22 substantial regulation or market kind of oriented

1 issues that they're going to face, which are going
2 to have some connection across these contexts.

3 MR. DIXON: Just to add to that, I'd say
4 differently, which would be nothing to prohibit
5 that cooperation I think would be helpful.

6 MR. GOOCH: I sense here another trade
7 association being set up.

8 MR. SHILTS: Okay, we want to end in a
9 few more -- in about five minutes, but I had one
10 question and kind of -- and I apologize if this
11 was answered, but maybe I didn't get the -- from
12 the discussion what most people's thoughts were,
13 but do you -- and just to very quickly kind of go
14 around -- do you view a core function of the swap
15 data repository to include confirmation of trades
16 as well monitoring for life- cycle events? I know
17 there was discussion about that, but I would just
18 -- what -- just very quickly.

19 MR. GOOCH: I think it depends what your
20 mean by core function. I think confirmation is
21 incredibly important. It should be a (inaudible)
22 activity. I feel strongly (inaudible) and SDR

1 function or set function or something else. It
2 just needs to fit in somewhere into the act.
3 Whether the same entity needs to do both things I
4 think is -- hardly none of the offerings work on
5 that basis. So, I don't know if it has to be the
6 same company, but there always needs to be some
7 sort of registration and confirmation.

8 MR. SHILTS: Can you -- oh.

9 MR. MACBETH: Yeah -- no, I would say
10 the life- cycling event there is important. So,
11 there certainly -- you talk about credit
12 derivatives when there's a credit event. They
13 terminate. You know, succession events, the
14 underlyings change their names. There's very much
15 a life cycle that actually informs the position.
16 You know, and you have follow that life cycle, and
17 not all these events are yet confirmable in a
18 legal contract sense. I think -- you know,
19 sometimes -- like, with -- a lot of the comments
20 that refer to the trade confirmation service --
21 and that -- and that -- you know, and Frank
22 Foreman limping and linking things to wrappers.

1 You know, I think we've talked more widely about
2 some other means of getting trade dates of two
3 repositories of -- you know, it's obvious from
4 their acts that there's an obligation for the --
5 to confirm with both parties, and confirmation
6 vehicles are great ways of doing that. But the
7 repository -- you know, from our perspective -- is
8 about aggregating that dataset and maintaining,
9 you know, that dataset and making sure what gets
10 reported is an accurate and valid position. And
11 life-cycle events can't be totally ignored from
12 that.

13 MR. SHILTS: Okay, and just very
14 quickly.

15 MR. TUPPER: I believe there's a core
16 component, but in addition to operating the
17 warehouse for the energy commodities, it's one's
18 part. So, confirmations -- that's a first step.
19 You need to make sure you've confirmed trades.
20 Usually third parties doing that is probably the
21 best way to achieve that, but then once you
22 receive -- it makes it way into the warehouse,

1 maintaining life-cycle events is going to be the
2 next step for position reporting.

3 MR. PRITCHARD: Yeah, I mean, there's
4 obviously multiple duties on a contract, and
5 confirming them is one, and reporting it to an SDR
6 is another, and there are many successful pieces
7 of infrastructure around in the market, and we
8 just believe that that decision -- it might be
9 right to use one particular (inaudible) to do
10 both, but it should be left to the market and the
11 participants rather than the rules.

12 MR. OKOCHI: I believe the intent of the
13 confirmation aspect in the Bill is to confirm the
14 trade details sent by the swap dealer, the major
15 swap participant is accurate, not to confirm that
16 the trade between the dealer and, say, the end
17 user is matched and confirmed. So, if it's the
18 former, absolutely the SDR; if it's the latter, we
19 need both sides of the trade.

20 MR. DIXON: I would just echo Ralph's
21 comments.

22 MR. DIPLAS: Yeah, I agree with that. I

1 think this (inaudible) should be asset class
2 specific. I don't think it can be mandated. For
3 example, in credit, 99 percent of the (inaudible)
4 outcome from there (inaudible) percent cannot be
5 there, because that functionality does not exist.
6 So, the reporter has to be able to get a larger
7 set of data than that. The life-cycle events --
8 again, in credit we designed this (inaudible)
9 because it was needed. But in other asset classes
10 it is not needed, so therefore I don't think we
11 need to mandate it. So, we need to be a bit more
12 asset class specific in that respect.

13 MR. MACBETH: Can I just come up -- back
14 on.

15 MR. SHILTS: Very quickly.

16 MR. MACBETH: Yeah, it's an -- the only
17 comment is that what they've essentially done by a
18 repository I think is a separate question in terms
19 of this life-cycle maintenance, which may be the
20 credit model where it is centralized as opposed to
21 some decentralized and some messaging around --
22 well, I think there are opportunities there. But

1 I think the real point I'm trying to make is to
2 have accurate data you have to understand
3 life-cycle rates.

4 MR. SHILTS: Chester, do you want to say
5 anything?

6 MR. SPATT: Well, you know, I would just
7 echo so many of the comments of the participants.
8 You know, to the extent that there's sort of an
9 economic issue with respect to confirmations, it
10 seems to me the main issue is simply making sure
11 that the data -- you know, the follow-up on
12 storage point to make sure that the data integrity
13 is there, which a confirmation -- at some level
14 pieces of the confirmation process are important
15 to, but then I think that the more ministerial
16 aspects of the confirmation process -- those
17 really ought to be associated with comparative
18 advantage, and I think a number of the panelists
19 pointed to aspects of the confirmation,
20 particularly if they said they involve end users,
21 don't necessarily lead to involve the SDR. So, it
22 seems to me that where the opportunity is for the

1 commissions operating under Dodd-Frank is to be
2 clear about which aspects of the confirmation
3 process need to be linked to the SDRs.

4 MR. SHILTS: Okay. Thank you very much,
5 and I want to thank all the panelists. It was
6 very a very interesting and helpful discussion.
7 We'll end this panel and we'll start up again at
8 11 o'clock with Panel 2. Thank you again very
9 much.

10 (Recess)

11 MR. SHILTS: If everyone wants to come
12 in and take a seat, and we'll get started. Okay,
13 let's get going. We're going to start with our
14 second panel today. This is going to focus on the
15 mechanics of reporting, and data on swaps. And
16 some of the topics we want to discuss with this
17 panel are the types of data to be reported, the
18 parties that would be responsible for reporting,
19 and the reporting of life-cycle events.

20 Again, my name is Rick Shilts. I'm
21 acting director of our Division of Market
22 Oversight at the CFTC. And joining me is Robert

1 Cook from the Securities and Exchange Commission,
2 and as we -- to begin this, why don't we go around
3 the table and each of the panelists can introduce
4 themselves and say where they're from. And then I
5 think we have one that will be identifying himself
6 from New York. So press the button there and the
7 red light will go on.

8 MR. THEMELIS: Nick Themelis, CIO,
9 MarketAxess. We're an institutional electronic
10 trading venue for fixed-income product, specific
11 focus in credit.

12 MR. GLACE: Joe Glace, chief risk
13 officer for Exelon Corporation. I'll be providing
14 the end-user viewpoint.

15 MR. PICKEL: Bob Pickel, executive vice
16 chairman of ISDA, the International Swaps and
17 Derivatives Association.

18 MR. MACBETH: Stewart MacBeth, DTCC,
19 general manager of the Trade Information
20 Warehouse.

21 MS. LEONOVA: Irina Leonova, CFTC,
22 Division of Market Oversight.

1 MR. TAYLOR: David Taylor, the team lead
2 for the Data Recordkeeping and Reporting
3 Requirements Rulemaking at CFTC.

4 MS. SEIDEL: Heather Seidel, Division of
5 Trading and Markets at the SEC.

6 MR. MICHEHL: David Michehl, Division of
7 Trading and Markets at the Securities and Exchange
8 Commission.

9 MR. PRITCHARD: Raf Pritchard, head of
10 TriOptima North America.

11 MR. DIXON: Mark Dixon, chief operating
12 officer of Evolution Markets.

13 MR. CUTINHO: Sunil Cutinho, CME
14 Clearing House.

15 MR. SHILTS: And lastly, from New York

16 --

17 MR. BARNUM: Jeremy Barnum from J.P.
18 Morgan.

19 MR. SHILTS: Thank you. And as I noted
20 for the first panel, we'd like everybody to have
21 an opportunity to comment on each of the questions
22 raised. But if we go on a little too long, I'll

1 try to cut that short so we do get all the
2 questions in during the -- for this panel
3 discussion, which we hope to end at 12:45.

4 So with that, I think David will kick it
5 off with the first question.

6 MR. TAYLOR: And I want to just briefly
7 set a little background for this and some of the
8 other questions. I was thinking listening this
9 morning, living in Washington I suppose rubs off
10 on you after a little while, but I will try not to
11 put this question absolutely into the
12 Congressional category.

13 But we might want to usefully remember,
14 as we do all these questions this morning, I think
15 the repositories are going to need three basic
16 stages or types of data, and we might separate
17 these as we talk. Certainly they're going to need
18 initial deal or transaction data. You might call
19 this "transaction event data." They're going to
20 need post deal data, some would say life-cycle
21 data, events, over the existence of the swap. You
22 could call this "transaction state data" if you

1 like. They're probably going to need counterparty
2 position data, mark-to-market data, collateral
3 data, that sort of thing.

4 And one thing that's been driving our
5 thinking about the data that should be reported
6 and how it should be reported is the use that
7 regulators need to make of the data at the end of
8 this process, in a way it all -- what data should
9 be reported all derives from there. Worth
10 remembering, regulators will need to do market and
11 trade practice surveillance enforcement,
12 prudential supervision. Some will have resolution
13 authority, monetary or currency authority,
14 macro-prudential systemic risk supervision,
15 real-time reporting, and position limit
16 supervision. To serve those purposes and some of
17 the fundamental purposes of the legislation,
18 including transparency and systemic risk
19 mitigation, we have been considering the possible
20 use of three unique identifiers regarding each
21 swap. Another way to say that would be a unique
22 required way of expressing data in three key

1 fields in the data structure, a unique deal or
2 transaction ID for this particular swap that would
3 follow it over its whole life, a unique
4 counterparty ID for each counterparty to a swap,
5 and a unique product ID to say which bucket does
6 this swap belong in?

7 So having said that, a three-part
8 question: How could we best create these three
9 types of unique ID? Who might be the entity that
10 would create each of them? How would they be
11 given to all the entities involved in the swap:
12 The counterparties, the SEFs, the DCMs, the DCOs,
13 the SDRs? And what are the benefits or potential
14 obstacles to trying to create a system of unique
15 IDs?

16 MR. CUTINHO: Thanks, David. I am
17 speaking from our experience as a clearinghouse
18 and as an exchange. We have had to address these
19 challenges as well. When we talk about
20 transaction identifiers, there are identifiers
21 associated with different stages of the
22 transaction. There is the execution part, and

1 then there is the clearing part, and then each
2 client on the two sides of the transaction would
3 also like to trace these transactions to their own
4 risk systems. So when we talk about transaction
5 ID and uniqueness, I think the challenges one
6 should consider are there are not just one
7 identifier, there are several.

8 What is important is an identifier that
9 we would use as a clearinghouse for our purposes,
10 and there would be a similar notion, I suppose, in
11 a swap data repository for uncleared stuff. From
12 the participant standpoint, it's very important
13 for us to know the end participant as well,
14 especially for cleared-only transactions. We
15 record this. We actually maintain positions for
16 these participants, and we provide multilateral
17 netting within the clearing system. So it was
18 almost essential for us to have this concept.
19 From this perspective, we have to understand
20 challenges of asset managers or money managers who
21 are actually managing funds for multiple accounts.
22 So it's important to address those challenges.

1 And the third important thing is product
2 identifier. Now for the listed stuff or a large
3 part of standardized stuff, this is actually quite
4 simple. We have a mechanism of actually
5 templating or creating contracts that predefine
6 the standardized terms, and then we identify those
7 terms that are negotiated. As we move into the
8 over- the-counter space, there are a lot more
9 flexible elements, so templating or contract
10 creation becomes a challenge. So one way to
11 address that is actually to type-class your
12 derivatives into different classes and then within
13 those asset classes, go specifically into those
14 areas that are treated by the market participants
15 as a standard. So they're not negotiated.
16 They're kept in tact, but the negotiated aspects
17 are the ones such as coupon or start date,
18 termination date, et cetera. The industry itself
19 has encouraged this effort, so we see that
20 happening in credit.

21 We have adopted the same standards for
22 rates. We see the market transacting in such a

1 manner so we've created a templating mechanism
2 that helps us actually classify those derivatives.
3 Again, what I'm trying to communicate here is not
4 as easy as to come up with just one identifier for
5 a product. We need to actually take into account
6 how the transactions take place. And then in a
7 cleared world, that happens almost automatically
8 because we have to standardize a few terms in
9 order to process them in a standard manner. But
10 for an uncleared world, there can be a few
11 parameters that are actually negotiated.

12 MR. PRITCHARD: I think that's a great
13 point, mentioning the cleared world, David,
14 because we find ourselves a bit coming together
15 with the exchange listed cleared world and the OTC
16 swap world. I mentioned in the last panel the
17 diversity of the landscape across all the
18 different asset classes and all the different
19 instrument types within that. And that's really
20 the challenge facing the product ID part of this
21 question. I think in our interest rate
22 repository, we see 3.6 million live contracts

1 outstanding. And we see a rate of new interest
2 rate swaps coming in of around 3,600 a day, and of
3 those about -- the most popular currency is
4 dollars -- and that's about a third of them with
5 1,200 dollar swaps. And then about half of those
6 are on round dates and half of them are forward or
7 odd dates, so that's getting down to the most
8 popular forward date is the 10-year swap. We see
9 about 200 of those a day, and then even there,
10 there is as someone mentioned different rate bases
11 or tenors that you can put them on. So there's
12 really only 100 or so completely identifiably
13 standard 10-year swaps going on on a particular
14 day. And I think it's worth just observing that
15 contrast between the listed markets and the OTC
16 swap markets when we address these challenges of
17 trying to provide standard product IDs.

18 MR. MACBETH: So can I -- I'd say in
19 terms of the unique deal, you need to put that up
20 front. That needs to be created at the point of,
21 or as near to, execution as you can. And so
22 there's the SEF vehicle potentially for doing

1 that. There's the confirmation wrap-up vehicle.
2 The SEF may use a confirm service itself directly.
3 That unique reference could be applied there.

4 Also, we talked in the earlier panel
5 about this idea of some of those trades that
6 aren't electronically confirmable being linked,
7 and again, we talked high in the chain. The same
8 providers, I think, that provide confirmation
9 services would want to support those kinds of
10 transactions and provide some of the confirmation
11 services that exist today, had origins as checkout
12 platforms. And I think they're very valid points
13 to start creating unique identifiers for a
14 transaction that then can be carried down the
15 transaction stack through layers of
16 infrastructure. And currently we provide one when
17 it gets registered in the warehouse that is well
18 used because that is the value of the unique ID.
19 There's this sense of a common reference, and that
20 is being used throughout the market for individual
21 transactions. But the essence to my mind is you
22 have to do this early if everybody's going to

1 share that. It has to be high, high in the
2 process. SDRs could do it, but also these
3 confirmation providers and execution facilities.
4 So, sorry, I was going to --

5 MR. TAYLOR: As people go on with that,
6 let me add one extra aspect to what you were just
7 saying and others could respond. If the idea is
8 to get one unique -- let's start with the deal ID
9 -- used by everyone in the swap space, obviously a
10 question is, who creates it and how is it
11 transmitted to everybody who has to use it? For
12 instance, is it workable for the data repository
13 to do that? And if so, is that early enough in
14 the process? And how do they send it back out?
15 Just add that to the question as you go forward.

16 MR. MACBETH: So that practically is
17 what happens in the credit market today. The
18 issue we will have to contend with is how we would
19 link that back to the SEF if the SEF sits above
20 that. Having said that, there are some back
21 population techniques that are used, it's not a
22 technical impossibility. So again, it could be

1 done at the SDR level. The SDR, hopefully, will
2 have advantages of completeness. So again, to the
3 uniqueness point, actually being the kind of
4 golden source of that, yeah, that is a
5 possibility.

6 But I also want to kind of mention those
7 confirmation and middleware providers that are
8 really at the tie-up point to the extent that's
9 not itself considered an SDR. So -- and I think
10 personally, it's quite a big change for people to
11 flow that information through. In general, yeah,
12 there is practice I know. Jeff Gooch was in the
13 earlier panel. His service -- he has references
14 in his service. He uses those. They're
15 marketware IDs as well. And people do internalize
16 those and use them as the common reference when
17 they bilaterally trade and bilaterally process
18 thereafter through their life. So some of that
19 exists and it is usable.

20 Unique counterparty is important. It's
21 difficult, I think. There's clearly a lot of data
22 providers in the counterparty world but when you

1 -- I guess my experience with the regulators as an
2 SDR has kind of suggested that they do want
3 relatively rich counterparty information. Clearly
4 we need proper validation for who that is, but the
5 actual task goes beyond that and starts talking
6 about who is affiliated with that party, even goes
7 to credit support and ex-terms or guarantees
8 between companies. So it's a very complex
9 reference dataset. I suspect, therefore, it's a
10 different data service. Again, practically, we've
11 addressed it by having contracts with our
12 customers.

13 And when we talk about the compliance
14 thing I talked about, kind of KYC and AML staff,
15 we do feel the need to know our customers and we
16 have data on them which we use. We've got about
17 1,700 clients, 17,000 accounts. That's not going
18 to get you the whole derivative market, but it
19 gets somewhere. But there is going to need to be
20 a source. Now, how you resolve what source that
21 will be, I think, is a complex question. There's
22 a lot of commercial interest to that. I'm

1 probably not the best person to establish creating
2 that. I can -- DDTC has a counterparty reference
3 data business. I can promote that, but I think
4 it's kind of a complicated world.

5 And then he talked about unique product
6 identifiers, and I think that's a question of
7 actually what level of granularity you want to go
8 to. At some level there are probably some
9 standard contracts that are known. So with
10 Themelis in the room, there's these kind of
11 standard, North American contracts for credit
12 derivatives. Most people know what that default
13 is and has a strong market meaning. There
14 certainly is a strong position in terms of setting
15 those standards. I guess I've seen a slightly
16 different level -- and it depends a little bit on
17 the use -- trades or products characterized almost
18 by attributes they carry.

19 So if a product had exposure to credit
20 underliers, it would be put in a credit category.
21 You'd have a product type. So between OTC,
22 exchange, securities, you'd have a series of

1 attributes that basically build product
2 descriptors, but you have a defined set of
3 attributes and a set of values that people use.
4 And that tends to enable any product to fit
5 somewhere on that matrix because the problem
6 always is the nonstandard product. So whereas the
7 standard trade has a market name, tend to have a
8 product name issued by their marketing firms and
9 less standardization.

10 MR. PICKEL: Yes, I was going to say
11 that I think you've certainly identified the key
12 pieces of the identifiers, but in effect it's
13 really a string of all that information that
14 identifies it, particularly in the pure,
15 bilateral, non-cleared world what that particular
16 trade is. Once you put it into a clearinghouse,
17 one of those variables, if you will, is more or
18 less fixed for that transaction. You can look at
19 cross-transactions for trades with that
20 clearinghouse of a certain type, et cetera, et
21 cetera. So I think that's the notion that you'd
22 have to think of.

1 And that's I think different from -- and
2 I know people talked about CUSIP-type numbers,
3 that type of thing. It is not a standardized
4 number in that sense. I mean, every particular
5 trade effectively will have a different
6 identifier, and that's been an issue that for the
7 past, I would say 10 years if not more, either the
8 dealers and their customers or some of the vendors
9 that have developed, such as the ones around the
10 table and others, have tried to wrestle with how
11 we go about that. So there's a lot of learning,
12 there's a lot of scars there I suspect that you
13 can draw from to understand how to best put
14 together a deal identifier that is meaningful,
15 giving you the right level of information.

16 I think to Stewart's point, you could
17 find yourself getting into an awful lot of detail
18 on the products themselves that frankly at the end
19 of the day isn't necessarily all that much useful.
20 If you know it's a credit deal of a certain type
21 broadly speaking. So I think it's finding that
22 right mix is the right focus.

1 MR. GLACE: Having an unambiguous
2 identifier is just ideal because if it's issued at
3 the time by the SDR, it's sort of
4 contemporaneously issued by the SDR, it also helps
5 with the person doing the reporting, saying I've
6 fulfilled my reporting duty or obligation because
7 I have your identifier number back, and I'm
8 stirring it now as my trade ID, your trade ID.
9 That really helps end users communicate with
10 everybody.

11 MR. BARNUM: I think one of the things
12 that hasn't been mentioned yet, which I think is
13 an important piece of it, although I think Stewart
14 alluded to it a little bit, is the sort of
15 question of the balance between timeliness and
16 completeness and precision. And so if you go back
17 to the three purposes if not more that are related
18 to the reporting, one is the post rate
19 transparency, post rate price transparency
20 mandate. And then there are requirements also
21 related to systemic risk oversight, essentially
22 the ability of regulators with systemic risk

1 mandates to look into the SDRs for purposes of
2 really performing almost like an independent risk
3 management function for the market. And the
4 requirements for those two functions are quite
5 different, and I think many of us in the market
6 have struggled at different points to try to do
7 the same -- those two different things out of the
8 same data source. So I think being clearer I
9 think collectively in our minds about that
10 distinction is going to be very important.

11 So what I mean by that specifically is
12 that, I imagine that when the rulemaking is done
13 for the most liquid, most heavily traded products,
14 the post rate reporting requirement is likely to
15 look sort of not dissimilar to what trace looks
16 like today for corporate bonds. Meaning it's
17 going to be on the order of an hour or less after
18 the trade is done if not significantly faster.
19 And so I think all of us know that there are
20 certain aspects of the post rate enrichment
21 process that don't get done until much later in
22 the day, and if we design the process so that it

1 is a requirement that all of those things be
2 populated before the post rate reporting can be
3 done, then you're going to have the policy
4 effectives come into conflict. So you have to
5 design a paradigm that allows the post rate
6 transparency reporting requirement to be met kind
7 of quickly with a somewhat reduced set of data,
8 which is really in reality the only data you're
9 likely to care about for that purpose which is
10 basically size and price and the thing that traded
11 and then allow for further enrichment later in the
12 workflow.

13 And I would argue for not trying too
14 hard to try to reconcile the flow data that comes
15 out of the post rate reporting with the ultimate
16 kind of goal position data that you're going to
17 use for risk management. I think you just have to
18 accept that there occasionally are going to be
19 differences. And you have to trust that if
20 institutions are using the SDRs for their own
21 reconciliation purposes for risk management, then
22 that should suffice for the regulatory community

1 because otherwise you might create a huge amount
2 of overhead around that reconciliation for
3 relatively little benefit.

4 MR. SHILTS: Mark?

5 MR. DIXON: I think there are a couple
6 questions and the first one is whether or not --
7 what's the minimum dataset you need? And I think
8 one of the things to consider is the asset class
9 and the type of transaction. In particular,
10 allowing for uniqueness and allowing for some
11 supplemental data to be added to that to help
12 clarify. And I think an interesting point was
13 just raised, which is when do you actually need
14 that data? Because at certain times of the day
15 you may need one dataset and at the end of the
16 day, post reconciliation, you may need another
17 dataset.

18 And the last thing I would say is some
19 type of standard is going to be essential. You
20 have two challenges. You have legacy products,
21 that's one. That's going to be a heavy lift. And
22 then the new products, I think, are much more

1 straightforward and no small part will come as an
2 outcome of trying to kick the legacy can around
3 for awhile to come up with the right solution.

4 MR. PRITCHARD: I will just add one
5 little point to that. I think -- I totally agree
6 with what Jeremy said, but it's also on a
7 practical note a lot of the identifiers that are
8 in use at the moment. I suppose in our risk
9 management service we've got cleaned up thousands
10 of legal entities as we received that data and
11 practical steps have been taken to address these
12 problems in the market. One thing that does
13 happen quite a lot is that when data gets passed
14 around, the identifiers from the venues that are
15 out there are used a lot. We get a lot of DTCC
16 IDs in our data room. We pass outside, drop some
17 IDs back out to the market. So in terms of -- you
18 can refer to a trade by one of the identifiers
19 that is already electronically -- a venue
20 identifier adds a lot of value and can provide a
21 practical solution to some of these
22 standardization problems.

1 MR. TAYLOR: Let me ask one follow-up --
2 go ahead.

3 MR. BARNUM: No, I was just going to add
4 quickly to what Raf said, just to echo that really
5 across almost all of the questions that have been
6 asked is that I think it's important to realize
7 the degree of evolution that certain segments of
8 the OTC market have undergone in, say, the last
9 two and a half or three years. Such that, in
10 fact, I would say about 80 or 90 percent of these
11 questions have in one way, shape, or form already
12 been answered reasonably robustly. There's
13 probably some cleanup that needs to be done around
14 certain issues and some centralization and some
15 specification of universal standards, but to what
16 you might find to be a surprising extent, many of
17 these issues have already been sort of resolved
18 maybe in some cases in a commercial way that
19 creates certain standards conflicts, but less than
20 what you might think. So there are already
21 solutions in the wild in many cases.

22 MR. TAYLOR: Let me ask one follow up

1 before we leave this, specifically on counterparty
2 ID. If we set up a unique ID for the two legal
3 entities that are the two counterparties to the
4 swap so that that field could be expressed in a
5 unique way, as Stewart and I think a couple of
6 other folks alluded to earlier, one of the things
7 regulators are going to need to do is going to be
8 able to aggregate up to the parents or affiliates
9 of the two counterparties in order to do various
10 kinds of systemic risk management. Is it workable
11 to get -- separately from that one unique ID of
12 the counterparty -- to get affiliation data into
13 the SDR? It would be in different parts of the
14 data structure, but it would be there so that
15 regulators could do aggregation. Or is there a
16 better way to do that? How do you deal with also
17 getting the affiliation data? And it's -- here we
18 have both potential or existing repositories, and
19 we also have counterparties. So it would be nice
20 to hear from both sides of that.

21 MR. GLACE: Generally speaking, we don't
22 try to make the code itself intelligent. If

1 there's a counterparty and parent relationship,
2 it's usually some other software that tries to
3 aggregate the relationship. Also typically, the
4 counterparty ID is just an unambiguous single tag
5 for a counterparty that the trading systems or
6 some other aggregation hierarchy assembles and
7 somebody else has to declare what the
8 relationships are between the parent and the sub.
9 So again, from our standpoint, generally speaking,
10 we just usually don't try to make a string code
11 that identifies it within the code. That's
12 usually difficult.

13 MS. LEONOVA: But may I follow up?
14 Sorry, but based on what level of legal entity
15 reporting, you assign a unique ID. You actually
16 invent how they do aggregation. You could do it
17 on top parent level. Do it on legal entity level.
18 You could do it on trade and desk level.

19 MR. MACBETH: So we operate on legal
20 entity level in terms of our data. We do have a
21 set of reference data around counterparties that
22 we use. In the short term, we expect we would

1 have to enrich that to something like that. We
2 have a family grouping so we can roll some of the
3 data up within a family and present that. But we
4 don't have an exhaustive dataset of all affiliates
5 or the nature of their relationship or ownership.
6 And practically, that really sounds like to me a
7 service that you will have to in effect subscribe
8 to really to keep that current. So that is the
9 way I see that counterparty legacy.

10 But there are certain things I think
11 we're going to have to keep, and so certainly
12 knowing who our customers' regulators are and,
13 therefore, who we can report certain data to and
14 have a dollar with is relatively close to us and,
15 therefore, almost proprietary to the business we
16 do. But I think ultimately there's a sense of
17 external pricing, external sourcing, for that, for
18 some of this data.

19 The other question is who exactly will
20 aggregate at what level. So if the SDR is
21 aggregating or the commissions decide that they
22 will appoint somebody to be an aggregator amongst

1 the SDRs, you would then expect that SDR to
2 actually be sourcing all over that data and
3 probably consolidating on that basis and
4 presenting it to the commission. I'm sure the
5 commission will have access to its own
6 information, but it is slightly a function of the
7 model. Again, without repeating the earlier panel
8 when we talked about fragmentation and all those
9 kinds of issues, and they moved the burden
10 somewhat between the commissions and the SDR
11 potentially.

12 MR. CUTINHO: Actually, we in some ways
13 have to maintain or understand the relationships
14 from two purposes, from two perspectives. One is
15 from a risk management perspective. We have to
16 understand the relationship between entities. And
17 if they're affiliates, we have to look at their
18 aggregate first. And the second would be from a
19 market surveillance perspective because we have
20 certain obligations to our regulator, and we have
21 to report on that. So from these two
22 perspectives, we do monitor relationships, and we

1 do aggregate at different levels.

2 MR. PRITCHARD: I think TriOptima --
3 sorry, but I'll echo what DTCC's -- our experience
4 is very much of -- our exposure measures at
5 working at the legal entity level and I think in
6 terms of crisis that's what people are interested
7 in, what is specifically linked to the exposure.
8 It's very important to say exactly what you mean
9 if you are aggregating it across the market and
10 what is the basis for doing that.

11 MR. SHILTS: Okay. If no more questions
12 or comments in that one, I'll turn it over to
13 Heather for the next question.

14 MS. SEIDEL: Thank you. This question
15 sort of goes to -- we've touched on it in several
16 of your answers. There's a requirement in the act
17 that information be reported. And I guess sort of
18 one of the baseline questions is, what type of
19 information should be required to be reported?
20 And sort of across asset classes, different asset
21 classes, cleared versus uncleared. Maybe your
22 thoughts on sort of what happens today and how can

1 that translate into a rule that will be in place,
2 talking about the types of information that would
3 be reported. And here I'm not talking about sort
4 of real-time reporting out to the public, but
5 reporting into the depository.

6 MR. BARNUM: Well, I think -- go ahead
7 Raf, go ahead.

8 MR. PRITCHARD: I think that question
9 starts with the comprehensive view of the swap at
10 the repository. It is -- we think of it, the OTC
11 swap landscape, as a two- dimensional sort of plot
12 with the asset class category going across the
13 top, say Credit, Equity, Rates. And then the
14 instrument type vertically with Simple Swaps and
15 More Complex Options and Hybrids and Structures.
16 And it's really important as we've discussed that
17 it's comprehensive and every trade in the OTC swap
18 world has a place on that landscape and can be
19 captured by an SDR and aggregated together. And
20 so it's important to catch some data that is the
21 key financial details of all those swaps across
22 the landscape. And then where there are more

1 standardized trades where templates exist, capture
2 that data or reference to that data at another
3 electronic venue. But I believe capturing
4 something across -- some key financial terms for
5 every trade across the whole landscape, no matter
6 where it is, is an important piece of designing
7 the data that an SDR should receive.

8 MR. BARNUM: So, I can't --

9 MR. MACBETH: Sorry -- Jeremy, did you
10 want to go ahead?

11 MR. BARNUM: No, the only thing that I
12 was going to say is I think there's some of these
13 arenas where there are tensions between different
14 benefits that we're trying to achieve and there
15 are some of them where there aren't. And those
16 are the easy ones, and we should sort of celebrate
17 those. So I think in the case of reporting to
18 regulators that have an enforcement mission or a
19 systemic risk oversight mission, when that
20 information is kept confidential and is simply
21 being consumed by that regulator for the purpose
22 of performing their regulatory function, then I

1 think the answer to the question, what information
2 should be supplied, is quite simple? It's
3 everything. And the only really contrary weight
4 there is where there's superfluous garbage that
5 just makes the job harder, but that's a fairly
6 low-level technical issue.

7 I think fundamentally, if you just take
8 the credit markets as an example right now, the
9 DTCC has a whole bunch of stuff in there all of
10 which arguably most of the time most people
11 wouldn't care about. But for the purpose of doing
12 systemic risk oversight, which has to really get
13 down to the actual core economic contractually
14 binding terms of the deal, you have to err on the
15 side of completeness. And the cost of doing that
16 in my view is relatively low since there's no real
17 risk of accidentally disclosing things that could
18 be damaging to market liquidity, et cetera.

19 So I think the carve-out of the post
20 rate transparency reporting in Heather's question
21 is critical. When you reintroduce that, then you
22 have some interesting things that you have to

1 weigh.

2 MR. MACBETH: So it's -- our experience
3 has been the different regulators have asked for
4 different data. The markets' regulator is very
5 detailed data. And in essence they've needed
6 complete confirmation-style records because they
7 really want -- some of the work -- the impression
8 I've got is they've been looking at some liquidity
9 aspects in the market and we've had to -- we've
10 done some public disclosure about some liquidity
11 analysis, but we've had to get to a fair level of
12 degree of specificity in separating pools of
13 contracts to say that actually those are a
14 grouping that go together. So we found that some
15 of the markets' regulators' needs are very, very
16 granular.

17 They've also at times have had kind of
18 high-level needs, wanting to understand positions
19 and transactions, not necessarily at the level of
20 price sensitivity which maybe the liquidity
21 analysis was trying to look at, but just really
22 understanding who's holding positions and how they

1 move over time. Prudential regulators have
2 typically come in and asked us for information
3 about positions for their regulatees or positions
4 relating to an entity that they oversee in some
5 way or exposures amongst a group of entities that
6 they oversee relating to a reference entity. And
7 then the systemic stuff we've seen or the stuff to
8 central banks has again been the more aggregate,
9 less specific. And the latitude -- the emphasis
10 on the mark-to-market probably is more important
11 so that prudential and systemic risk regulators
12 wanting to understand the total exposures. And
13 again, that links back into the collateral
14 conversation that was had earlier. So that's been
15 the practical experience from us.

16 And so I think when you are kind of an
17 SDR, you kind of have to go to the deepest
18 requirement and work up. So we think trade event
19 feeds that are sourced from very high quality
20 records are important, and we think some of the
21 daily mark-to-market valuation stuff is important.

22 MR. CUTINHO: From our perspective, we

1 do have a division within the CME Group dealing
2 with regulations. So from our perspective, I
3 think we have an existing relationship with our
4 regulator. The kinds of information are what,
5 who, when, and where. That is at the transaction
6 time. It's very important to track that. So we
7 monitor that ourselves to make sure our markets
8 are functioning very well and to preserve market
9 integrity.

10 Then from a post rate perspective, I
11 think most important thing is ownership,
12 transfers, where do the trades go, the state of
13 the trade.

14 And then finally from a risk
15 perspective, the mark-to-market or at the end of
16 the day, what are the monies actually settled. So
17 we provide this function within the CME, and we
18 share this with our regulator.

19 As far as swap data repositories are
20 concerned, I do understand the challenge where
21 these are for uncleared swaps for this population.
22 I would think that you would have similar

1 requirements, especially from the transaction
2 side. You would need to know where and how and
3 who actually executed the transaction. Of course,
4 it's subject to all the confidentiality issues or
5 privacy issues across jurisdictions which Tanasus
6 was talking about in the previous panel.

7 As far as the positions or the owners of
8 the trade, I think again the challenges are who is
9 the counterparty and one issue with repositories
10 is they're maintained as trades. We in the
11 clearinghouse find it very easy because we do
12 multilateral netting. We can actually communicate
13 net position risk or net risk. So those are the
14 challenges you deal with.

15 MR. PICKEL: To echo a bit of what has
16 been said, especially what Jeremy said, the fact
17 of the matter is this data has traditionally
18 existed. It's been available in many cases to the
19 individual regulator of the regulated entity to
20 the extent you're talking about a bank or other
21 regulated entity. The goal as I understand is to
22 allow a regulator, whether it's a market regulator

1 or a systemic risk regulator, to have the
2 information to connect the dots, to see trends and
3 trading that might be relevant from an enforcement
4 standpoint, and to see buildup in risks that would
5 certainly be relevant from a systemic risk
6 standpoint. So I think certainly in the
7 conversations I've been involved in with
8 regulators over the last few years, there's been a
9 real willingness to provide access to that
10 information for those two purposes. And so we can
11 build on that utilizing the structure that's been
12 put in place now across credit, interest rates,
13 and more recently equities from the data
14 repositories.

15 MR. COOK: If I could jump in. I wanted
16 to connect this discussion to what I think is a
17 broader question that is relevant to a lot of what
18 this panel is going to be talking about, and
19 frankly the other panels as well, which is how we
20 connect the dots as you're talking about not just
21 within the derivatives markets but across other
22 markets. And how -- to what extent can we develop

1 a system at the end of which we're able to look
2 across markets where underliers are the same and
3 to look at issues of control where you have -- and
4 this is getting back to the earlier line of
5 questioning -- where you have parties who are
6 under common control even if they are separate
7 legal entities. That might be of interest from a
8 regulatory surveillance perspective. And in the
9 equity markets we have a number of initiatives,
10 including a large trader reporting initiative and
11 a consolidated audit trail initiative. And one
12 thing that might be interesting is to think about
13 how to connect up the data elements we're talking
14 about here to those other initiatives, recognizing
15 that time is short and we can't create the perfect
16 system all at once.

17 So I think one question I'd raise is
18 assuming we know where we want to get eventually,
19 what can we be doing now to make sure that even if
20 we can't create the perfect system out of the box,
21 that we're able to get there efficiently in a
22 relatively short period of time to be able to have

1 the facility to surveil across markets and so that
2 we don't have to spend another two years or three
3 years dealing with the lack of interoperability,
4 for example, between different reporting systems
5 because we didn't think of it at the beginning.
6 I'd be interested in your -- how that feeds into
7 your thinking about what types of data we ought to
8 be soliciting at the beginning of this process.

9 MR. PICKEL: I guess I'll jump in there
10 and see where things go. It's a daunting task.
11 It's daunting enough to get the information to the
12 derivatives world in a consistent format. In
13 fact, I think we're farther along than other
14 markets are likely to be.

15 If you looked at the Lehman Brothers
16 report from Valucas, can you look for information
17 aspects on OTC derivatives, he said the two -- the
18 only two things he said about OTC derivatives --
19 first of all, he said their records for OTC
20 derivatives were actually far better than existed
21 in other product classes. So in a sense they were
22 further ahead. And further they commented that

1 the tension that exists in the bilateral
2 relationship, particularly where collateral is
3 involved, creates a natural competitive tension
4 between those two parties and as a result their
5 risk is more effectively managed. That's almost
6 as an aside -- it's not really relevant to the
7 data point. But I think the key thing is that the
8 information in Lehman Brothers on OTC derivatives
9 was better than other areas.

10 We could -- and I think part of the
11 discussion with this panel later on, they get into
12 some questions of standards and obviously we can
13 talk a little bit about the FpML standard which
14 provides some of that consistency, a large part of
15 it, but I think you also want to make sure that if
16 people have in place other mechanisms that provide
17 information in an effective way you don't
18 undermine what currently exists. So those are a
19 couple of thoughts.

20 MR. BARNUM: I think the question was
21 asked, what can we do to achieve more, faster?
22 And at the risk of being a little bit

1 controversial here, I think frankly the tension
2 that no one has yet mentioned explicitly is the
3 tension between the transcommunication of who's
4 going to pay for it? And what I mean by that is
5 that a lot of people are on the table have alluded
6 to the fact that a lot of these problems have
7 largely or in some cases completely been solved,
8 and in some cases by more than one commercial
9 provider. And at the same time, a lot of these
10 kinds of questions are questions that large banks
11 ask for themselves everyday. So the question of,
12 I need to do multi-asset class, high-level
13 aggregate risk management, is of course a question
14 that every single large bank has to do everyday as
15 part of their risk management function.

16 And the kinds of technology challenges
17 and reference data challenges and legal entity to
18 affiliate mapping questions -- I mean, these are
19 questions that all of us who've been part of that
20 kind of stuff over the last 10 or 20 years have
21 lived with quite painfully in many cases for a
22 long time. And there have been, as is well known,

1 initiatives created in the market.

2 One random example is the RED initiative
3 surrounding the standardization and kind of
4 certification of legal entity names for usage in
5 the credit derivatives market, but there are many
6 other similar examples. And the question that
7 just comes out of that is if you kind of re-
8 specify it and rebuild it from scratch in the sort
9 of context which is regulatory compliance, you're
10 kind of going to be crowding out all of the
11 existing private sector solutions and it will take
12 you much longer.

13 On the other hand, if you embrace the
14 existing private sector solutions, you are getting
15 into the game of potentially picking winners among
16 sort of commercial competitors which is also very
17 tricky. So I don't have an answer to that
18 question, but I think that if the priority is to
19 get more done faster, the focus should be on
20 finding a way to leverage the existing commercial
21 solutions in a way that's kind of fair for lack of
22 a better term because there are many solutions

1 there and the profit motive does produce fast
2 innovation and better solutions faster.

3 MR. MACBETH: The comment I was going to
4 make is actually I don't think for credit
5 derivatives or other derivatives, it's too
6 difficult from a perspective of instrument
7 identifiers. They do exist, and I think they can
8 be fairly readily aggregated across markets. I
9 think the complexity is really going to be about
10 understanding the derivative and understanding
11 what that might mean about pricing potentially.
12 So I don't think the cross market's view, as long
13 as you've got access to the full set of data, is
14 the issue but having -- the harder issues
15 potentially are the completeness of the data.
16 Particularly again, global markets not all traded
17 within the U.S. boundaries. There's a stretch to
18 get there and the aggregation is probably the
19 challenge more than actually the attribute
20 relating to a security. That's probably not the
21 challenge.

22 MR. PRITCHARD: I'd agree with what

1 Jeremy said. I think the truth is that the banks
2 have largely solved a lot of the counterparty
3 identifier and relationship problems for
4 themselves. They've had to do that as part of
5 their effective counterparty risk management. Now
6 naturally they've, like a lot of the OTC space,
7 they've all done it themselves differently,
8 adopting their own conventions or with their own
9 piece of technology. But there is a lot of value
10 there already in the market and finding ways to
11 leverage that is probably going -- you'll benefit
12 getting this solved quickly.

13 MR. SHILTS: Anything more on this?
14 We'll move on to the next question. David?

15 MR. TAYLOR: Let me tee up something
16 that's maybe at the heart of the data reporting
17 thing which is, what data should we ask people to
18 report? Let me pose the question this way: If
19 the commission, rules of the two commissions,
20 ended up requiring reporting of all the fields
21 needed to fully confirm the trade or the deal --
22 and by confirm I mean I guess in the classic sense

1 of both sides have matched every detail of the
2 deal including at least a minimum specified list
3 of fields -- do you all think that would be
4 sufficient to fulfill the regulatory and other
5 purposes for which the data is needed? If that's
6 not the way to do it, what's a better way?

7 MS. SEIDEL: Can I just add to that
8 question as you're answering? That also raises
9 the question of when should the reporting occur
10 and sort of should it occur when a trade is done?
11 After confirmation, the full loan confirmation
12 that David was talking about? Or some other time?
13 So as you're thinking through, I guess that's one
14 of the other questions as to -- given the purposes
15 of reporting, when should it occur?

16 MS. LEONOVA: It is also based on when
17 the transaction happens as it's cleared and
18 executed or whether it is bilateral and negotiated
19 as action.

20 MR. GLACE: In response to the kind of
21 when, the leaner the data, the faster you can get
22 an accurate report out. The richer the dataset

1 you require, the more risk you have of
2 misreporting data too early because it hasn't gone
3 through some econ from process or something else
4 that helps you validate that you have a good trade
5 and it's not an out-trade. So if you go too fast,
6 you run the risk of a lot of out-trades getting
7 resolved or sort of a lot of adjustments to the
8 transactional dataset. But once you -- if you
9 wait and traditionally -- I don't think it's any
10 more than 2-4 business days for standard products
11 that you can have a fairly complete confirmed
12 trade that you can, in fact, submit. Now again,
13 this goes to the level of sophistication of the
14 entity because again, from the end- user
15 perspective, some people -- you could have a deal
16 with a municipality where you have to wait until
17 the commission meets next week to get a
18 transaction confirmed. I mean, going to the
19 extreme, that's sort of -- but a standard trade in
20 sort of standard products should be just a couple
21 of business days and you can get a fairly complete
22 robust dataset that's confirmation quality I

1 think. But again, to the extent that it's --
2 you're dealing with further and further away from
3 people who sort of transact on a daily basis or a
4 high-volume basis, now you're looking at a totally
5 different class of participant who may have to
6 have the lawyers figure out the rest of the
7 contract details before they can adequately fill
8 out a form. But again, I think there are a lot of
9 different worlds here.

10 MR. TAYLOR: I should maybe clarify one
11 aspect of the question. I didn't mean to imply,
12 although it's an interesting question, should each
13 deal be fully confirmed before it comes into the
14 SDR? That's worth answering, too. But I meant
15 more was, should each party be required to report
16 all of the fields that would be needed to do
17 confirmation? I'm not getting yet to the question
18 of has it been done yet? If that makes sense?

19 MR. DIXON: I think to that point,
20 though, it's important to answer. We have to
21 understand where that is to answer the when. You
22 run the risk -- and there's a price to pay for

1 that -- that if you get it too early, you don't
2 have the information you need. There's a price to
3 pay or penalty if you will if you get it too late
4 because it's not actionable. And then what do you
5 do in between which is a reconciliation process
6 where you say, oops, that's an erroneous
7 transaction. Now we just squared it away. It's
8 correct. And so it seems to me that you go kind
9 of as late in the life cycle as possible where you
10 say there are reasonable assurances here that this
11 has been done. Then the dataset can float up.

12 It also poses an interesting question if
13 you're trying to do it in more real-time, and
14 you're trying to actively run a liquid and
15 transparent market. Then what is the intervention
16 of the regulator in the middle of that trading
17 activity for lack of a better way to describe it.
18 And then now what? And what's the trickle-down
19 effect of uncertainty that you don't know that
20 someone's going to reach in. So I think the
21 market participants who understand the rule sets,
22 particularly at exchange bases for such because

1 each exchange runs it a little bit differently,
2 being familiar with that is helpful. And I think
3 it goes back to asset classes again and the types
4 of transactions. And that's probably the best
5 place to start because each one of those tends to
6 be a little bit different.

7 MR. PRITCHARD: I think going back to
8 the earlier point about the two sort of competing
9 objectives of price transparency versus systemic
10 risk monitoring, and from the perspective of a
11 software service provider, it's really important
12 to be clear what the requirement is. If we're
13 trying to design the data architecture and answer
14 these questions, those two requirements set up the
15 most amount of tension to try to solve both of
16 those with the same set of answers to the same
17 questions. And I think from TriOptima's
18 perspective, we're more on the sort of systemic
19 risk monitoring end. And answering the question
20 in that scope, we would then work backward from
21 what aggregation -- what's the top-level
22 aggregation report you want to see, that's the

1 important data to capture for every single trade
2 across the landscape. Then, if it is a
3 standardized trade, capture a reference to another
4 electronic venue where it's matched to all that
5 full dataset. Then any other identifiers that it
6 has in other venues around the market are very
7 valuable to capture as references.

8 MR. MACBETH: I think this --

9 MR. BARNUM: Just one brief thing, sorry
10 --

11 MR. COOK: Go ahead, Jeremy.

12 MR. BARNUM: Sorry, Rob. One more brief
13 thing. I think the question was asked, what
14 should each party be required to submit? And I
15 think one thing that we feel strongly about, which
16 we think should be relatively uncontroversial just
17 for the sake of efficiency, is that individual
18 market participants should be able to satisfy
19 their reporting requirements by leveraging some
20 piece of market infrastructure which is serving
21 some other purpose and have that piece of market
22 infrastructure do the reporting for them. So I

1 think there was some mention before of middleware
2 confirmation services. If that service provides a
3 reporting facility, then it should be possible to
4 meet the reporting requirement by establishing the
5 use of miniature trade to that service in the same
6 way that those services often submit to the SDRs
7 and similarly that should constitute satisfying
8 the requirement. I assume that's obvious, but I
9 thought it was worth saying since obviously that
10 will avoid a lot of duplication of submission and
11 will leverage existing insufficiencies in the
12 market.

13 MR. CUTINHO: For cleared trades, what
14 we do is -- we do -- at submission time, we
15 capture the trades. We also capture its life
16 cycle throughout the process of clearing. And we
17 maintain a holistic view from that standpoint, and
18 we provide it to our regulator. So I think we see
19 ourselves continuing to do that for the cleared
20 world.

21 For the uncleared world, I do agree that
22 to make it efficient for market participants, it's

1 best to actually use not just one but any
2 execution platform if you have one. If they can
3 report, then that essentially captures the match.
4 For things that are done over paper or more
5 manual, that becomes an issue. So I think that's
6 where the crux of the question is. What do you --
7 where does the match happen for paper-related
8 transactions? I suppose that's where you were
9 coming from, whether they should report -- each
10 party should individually report because there's
11 no electronic.

12 MR. MACBETH: So I'd just say -- I think
13 we said this with the full legal record and the
14 minimum. It sounds very plausible, I think, to
15 Jeremy's point, using existing infrastructure
16 makes a lot of sense. Then when Irina came in and
17 talked about whether it was -- how it was executed
18 -- and I think you'll find that some of these
19 services are actually used even by electronic
20 execution venues. In essence, they will have the
21 venue submitting almost a pre-match record. They
22 very much think they're then in the routing and

1 legal wrapper business, not so much in the
2 matching business. And so you will see almost
3 autonomous through that process. And in general,
4 the latency in the confirmation process is
5 relatively low and pretty compliant with the
6 non-real-time requirement.

7 I think the reason -- another thing as
8 well, we've talked a little bit and maybe someone
9 else talked about cleared and uncleared separately
10 and the requirements are I think fairly consistent
11 in the act across the two. They should go through
12 the same types of reporting process and reporting
13 requirements, although now I think CCPs can
14 register as SDRs. I rather think there was a
15 statement in the act somewhere. So there are --
16 again, back to the overall model, again, some of
17 these providers that act as these middlewares will
18 feed clearing platforms and audible clearing
19 platforms potentially, so that model can also
20 accommodate some cleared trades, too.

21 MR. PICKEL: Yeah, I was going to add
22 that at some level, the easiest thing is just to

1 dump the confirmation details on you, but that
2 raises the question of too much data in your laps
3 and how do you weed through that and get the -- if
4 we accept that it's -- that we're going to be
5 looking at enforcement and systemic risk
6 monitoring, how do you weed through that to get
7 the right information? So I think it's almost a
8 question back to you. What do you need?
9 Particularly where we've got systems like the DTCC
10 system on credit derivatives, the reconciliations
11 that TriOptima has, anything that gets developed
12 in a SEF-type platform. The information, as we
13 say, the data's going to be there. The question
14 really is, what is the meaningful information that
15 you want to have?

16 MR. MacBETH: Could I add one final
17 thing, just something that has come up with some
18 regulators with RCs? The idea of a quality
19 standard on the data. So you could -- you know,
20 you talked about when we get a potentially
21 prematched, you know, our repository would
22 actually flag the trade as unmatched at that point

1 and, you know, that could be communicated to the
2 regulator so they understood that the quality of
3 beta they had. And, potentially, you know, any
4 kind of matching that had been done to a point of
5 time, just to the add-on.

6 MR. TAYLOR: One quick follow-up to a
7 point somebody made earlier talking about paper
8 transactions. It is a small point but may be an
9 important one. I think we've sort of been
10 assuming that -- I don't know if this category
11 exists -- but that even, you know, if a
12 counterparty is doing swaps in his basement in his
13 bathrobe, he's going to have a PC, and he's going
14 to keep records in it so that in fact all of the
15 reporting by everybody, no matter how they spoke,
16 can be electronic and just would be electronic
17 even if it's from a PC over the internet to the
18 SDR.

19 Is there anything wrong with that
20 assumption? I mean can we assume that there
21 literally is not any paper?

22 MR. PICKEL: Well, I guess it depends on

1 what your meaning of electronic is. Yes, I think,
2 you know, yes. These days a lot of the if not all
3 -- and generally -- and the others can talk more
4 specifically in terms of how they run their
5 business. Yeah, I mean the communication, the
6 e-mails, PDFs, the information goes back and forth
7 and may ultimately be a signa-telectronic
8 signature on that confirmation. So there is that
9 type of electronic record.

10 I guess what we're trying to -- what
11 we're anticipating, and I think we've done work
12 on, as ISDA and the repositories, and the clearing
13 houses and others have done it as well, is to, you
14 know, go to that next level of rich electronic
15 information that is actually usable and
16 manipulable so that you can run reports and
17 analyze it.

18 So, yes, it is -- I think for the vast
19 majority you will have electronic records. People
20 may print those out, put them in a file somewhere,
21 but there is that electronic back and forth. But
22 I think the real focus would be to go to the next

1 level with electronic.

2 MR. MacBETH: Yes, I think that the PDF
3 comment is kind of well made, right. So, you
4 know, some contracts can be confirmed
5 electronically in non-fields; some, you know,
6 contracts exist as hundred-page documents. But in
7 general they're sent by fax, and at that point
8 they turn into something electronic. And so, you
9 know, but really to actually have data that you
10 can analyze, yeah, you know, you will need to pull
11 out some fields from those and potentially that
12 isn't, you know, a process that runs on that today
13 in the market necessarily.

14 MR. PRITCHARD: Sorry, we were just,
15 yeah, add to that. We totally agree that, you
16 know, the tail of the market where the highly
17 bespoke trades are. For example, our exposure
18 management solution allows you to actually upload
19 the PDF of the components so the other side of the
20 trade can view it online. And that's honestly not
21 ideal, but that works for the very, very exotic
22 end of the business.

1 MR. SHILTS: Okay, I think we'll move on
2 to the next question.

3 MS. SEIDEL: I guess it's sort of a
4 follow-up and what we just sort of got into, the
5 question about if all report -- if reporting was
6 required to be in an electronic form and not PDF,
7 as you noted, but some sort of manipulable, usable
8 electronic form, you know, how would that impact,
9 you know, the current practice, and is that
10 something that, you know, should be required.
11 And, if so, how does that sort of fit into the
12 different types of transactions?

13 MR. TAYLOR: And if I can add one aspect
14 to that and ask Raf to start with it, because I
15 think we had an earlier conversation about this.
16 If it's -- how to put this -- if it is possible
17 for the repositories to accept data in whatever
18 form it's sent so long as there's, you know, every
19 line of text is a different field, is that a
20 potential solution to this?

21 MR. PRITCHARD: Okay, yeah, that's a
22 couple of questions there. I think to the earlier

1 point where you're covering the whole landscape,
2 you know, some trades are electronically confirmed
3 in large volumes on very bold platforms; others
4 are traded in much smaller numbers and more
5 complex, and may still be on a PDF.

6 But our experience looking at the 6
7 million trades that we regularly reconcile, of
8 course, the market is that there is a core set of
9 key financial identifiers that you can capture in
10 all cases, just the motion of the trade and the
11 currency of the trade, and the tenor of the trade,
12 that sort of thing. And that can be record-based
13 electronic capture. If it's a very complex trade,
14 then you might have some unstructured form for the
15 rest of the data. And that's, you know, how we
16 covered the -- how we managed to combine both the
17 standardized trades and the more complex ones in a
18 single central platform for exposure management.

19 And then the second part of the question
20 that it is where you then request those fields to
21 be captured. Can you allow some flexibility in
22 how that the party, the respondent submits then.

1 And our experience of that is, is but you can, you
2 have to tell him he can't send it as a PDF. There
3 has to be some fort of record-based, one row
4 line-item based submission, but the advantage is
5 to get it to leverage in order to make it a piece
6 of infrastructure that they already have. And,
7 typically, it's actually advantageous to get an
8 ultimated extract from an existing piece of
9 infrastructure rather than something that has been
10 manually massaged with the potential for
11 introducing errors that that brings.

12 MR. CUTINHO: From our perspective I
13 think our concerns are necessarily the reporting;
14 our concerns are essentially, if there is a data
15 repository, then it's open, fair and transparent
16 access. It's, I think, very important.

17 The second thing is, we don't want the
18 data repository in effect to impede on innovation.
19 So things that a clearing model can do always can
20 provide services so we don't want an external, if
21 there is a data repository, to impede that.

22 And in order to be less disruptive, I

1 think if there is a data repository it should be
2 open to receiving multiple formats. There is a
3 different between reporting things into the data
4 repository versus providing a view to the
5 regulators, so from the regulators' standpoint, of
6 course you want everything to be easy to access,
7 view, and analyze. But as far as preventing
8 disruptions to the marketplace, it should actually
9 be open to accepting multiple formats rather than
10 imposing one on them.

11 MR. GLACE: And I also think that any
12 complex deal that may really reside at best in a
13 PDF. You know, if you have to satisfy some
14 requirement of putting a notional out there, at
15 least there's some kind of safe harbor that this
16 is your best estimate of fulfilling that
17 requirement so that somebody doesn't come long
18 later and say, well, I reread the contract, and
19 that notion that you put down really does not meet
20 the requirements.

21 So again, from an end-user standpoint
22 where things can get really complicated, you'd

1 also like to have sort of a best efforts safe
2 harbor, for lack of a better word, that says
3 you've attempted to model this thing, given the
4 framework limitations to satisfy the reporting
5 obligation.

6 MR. DIXON: I'd just like to dove on
7 that point because I think it's very important
8 that certain transactions are going to be subject
9 to delivery, and delivery can be adjusted. And
10 that doesn't mean that that was an erroneous or
11 improper behavior of the transaction. It kind of
12 is that it is. And so, therefore, you need some
13 type of audit trail, if you will, that can link
14 modifications to certain data fields, particularly
15 volume as one example, that you have a look-back
16 where you can go in and adjust the volume.

17 That can also be a bit difficult when
18 those transactions become quasitransparent.
19 Someone is now acting on that information thinking
20 that it isn't subject, and therefore you can get
21 some distortions in the market wherein somebody
22 thinks something was, quote/unquote "mispriced."

1 So I think it's' important to take a
2 category and kind of park that in a box and say
3 really whatever you want to do until it's done and
4 dusted. And maybe it is you don't do anything
5 with it other than go on record to say that this
6 is subject to change. And once it is delivered,
7 then I think it's straightforward.

8 Again, I would just say the audit trail
9 of modification might be important, but then that
10 just increases the dataset that you have to look
11 at as well.

12 MR. MITCHELL: Kind of along the lines
13 of what Mark was just talking about, for what life
14 cycle events should be captured in the SCR, and
15 are there any life cycle events that would not
16 need to be captured? And what timeframes should
17 those be input into the ASVR?

18 MR. PICKEL: I think it's important in
19 any life cycle event -- and we had talked about
20 this when we came down to meet a couple of weeks
21 ago -- is a broad concept, and I think we need to,
22 you know, maybe parse out a little bit.

1 There are any trade has a number of
2 events during its life. Most, you know,
3 typically, and interest rates go up, we'll have
4 many resets over the life of the trade. Those are
5 events that are fully anticipated in the terms of
6 the transaction, when the transaction is done.
7 And I don't that, you know, you don't need a, I
8 don't think, update for the LIBOR fixing every
9 quarter because that's out of the marketplace,
10 widely available. Anybody can, you know, apply
11 that.

12 There are on the other hand, and this is
13 particularly true in the creditory space, somewhat
14 true in other product areas, there are those
15 events that really go to the very core fundamental
16 nature of the transaction. Does it exist? Does
17 it exist in the same form that it existed before
18 that event? So the credit events which actually
19 lead to a termination and settlement at the trade,
20 a succession event which leads to a change in the
21 underlying reference entity identity. And there
22 are a few other things that might occur.

1 In other product areas, you may have
2 force majeure type events which will lead often to
3 a termination, maybe to a different pricing,
4 reference for a trade, those types of events.
5 Those are probably more going to the core of
6 fundamental nature of the trade as opposed to the
7 ordinary course, events that are anticipated in
8 the original terms of the trade. And I think it's
9 important to distinguish between those two because
10 otherwise you'll be getting -- you know, you'll be
11 getting tens of thousands of resets on a weekly
12 basis that come in just by virtue of the number of
13 interest rates swaps that are out there,
14 resetting, you know, whatever the LIBOR rate is
15 today.

16 MR. MacBETH: So there -- and there is a
17 related point, and easy, you know, the resets, I
18 think, had a level of two granula. But there is a
19 point that any fixing, you know, transaction has
20 some implications of its valuation. So it's
21 something that's been determined in the past has
22 an valuation impact. And so, you know, that is a

1 piece of data that is required, you know, to
2 evaluate transactions.

3 So again, the valuation model, you know,
4 the market discussion in terms of the data,
5 whether the needs to be independently sourced or,
6 you know, is provided by the participants and,
7 yeah, may determine some of those requirements at
8 a veto level. But I, you know, I agree absolutely
9 that they're not the events that are the traded
10 events that are really subject to some of the
11 surveillance activities. But I think, you know,
12 to really answer the detail question about some of
13 the real granular datafields, you have to answer
14 some of the questions about how you might source
15 evaluations of products.

16 MR. PRITCHARD: I think it goes back a
17 little bit so the contrast is in the listed
18 markets and the OTC swap market. And in the OTC
19 swap market we have a much, as we've seen, lower
20 turnover of new trades, but we have trades that
21 last a lot longer in terms of years or decades,
22 and we can see the, you know, in the IAG crisis,

1 you know, those trades have been around for
2 sometime. They weren't recently put in, they'd
3 been around for years.

4 And so, you know, potentially the issue
5 across the whole landscape of post-trade events is
6 one that needs to be fully covered by anything
7 monitoring systemic risk. And in our experience,
8 providing exposure management is that it's
9 challenging to enumerate exhaustively all the
10 potential post-trade events that could happen,
11 especially on the more complex trades that are out
12 there, and the way in which for the purposes of
13 exposure management on the firm and party level we
14 have worked with that, is by having the parties
15 resubmit because the trades come from an automated
16 source. It's relatively cheap and easy to
17 resubmit the population from the core books and
18 records of the firms on a regular basis. And that
19 way obviates the need to exhaustively enumerate
20 all potential events that you need to be notified
21 of.

22 MR. CUTINHO: From the -- one of the

1 things to note, just to add -- I think Bob raised
2 a very good point about what is an event, and it
3 is important to define that. Some of the things
4 to note are things like resets, things like credit
5 event processing, and within a cleared world is
6 actually important to be internalized within the
7 CCP. It cannot be external to it. It has to be
8 internal because the guaranteeing process and
9 you're managing the risk.

10 But in an uncleared world, of course
11 it's very important -- I mean, whatever services
12 are provided by external private parties are for a
13 private benefit, which is essentially resolving
14 the event in a normal manner.

15 So if you needed the information, you
16 could always find the information you wanted that
17 are -- if the events are essentially transfer of
18 trade or transfer of ownership, you know, for a
19 regulated market or for a cleared market regulated
20 by a regulator, we do provide that information. I
21 think you would require the same thing for a swap
22 (inaudible) or prospect.

1 MR. TAYLOR: Let me pose a slightly
2 different question. There are various parts of
3 Dodd-Frank that talk about which party should
4 report, depending on the status of the parties.
5 You know, if you have swap dealer and the other
6 party is not a swap dealer, the swap dealer
7 reports, and there's a sort of priority system.

8 Some of our -- I won't say we have
9 experts in swaps, but people who know a little
10 more than some of us to begin with and some of our
11 data people are telling me that there might be
12 lots of advantages to having both parties report
13 either with respect to initial, you know, data at
14 the time of the initial transaction or life cycle
15 data. And I'd like ask -- I mean here we have
16 counterparties and repositories -- what would be
17 the advantages and disadvantages of having one
18 party take on the reporting obligation versus
19 getting reports from both parties?

20 MR. BARNUM: I'll take a crack at that
21 one. I think that first, I think almost all of
22 these questions need to be broken down into the

1 answer which is the best answer for the purpose of
2 SDRs, in terms of big-picture aggregate oversight,
3 especially for systemic risk purposes on the one
4 hand. And on the other hand, the answer which is
5 best for the purposes of the real time post-trade
6 price transparency mandate.

7 So I'm not sure where the notion that
8 two people submitting independently might be
9 useful comes from, but if I were to guess, one
10 thing I would imagine is that people might say if
11 your objective, if you take trays for corporate
12 bonds as an example, which obviously the SEC is
13 quite familiar with, by virtue of the fact that
14 both side have the obligation to report, whoever
15 reports sooner creates your kind of, well, that
16 must have been the latest the trade was done, and,
17 therefore, if the other person reports essentially
18 later than that, then that establishes that that
19 person has reported late.

20 So I think that's one argument I can see
21 in favor of independent reporting for the purposes
22 of that requirement. I think for all other

1 purposes, I think independent reporting carries a
2 significant risk in essentially duplicating a
3 version of the process that the DTCC does, that
4 (inaudible) is quite familiar with, which is the
5 kind of double-blind matching confirmation model,
6 which is, frankly, really painful, because almost
7 invariably the information gets reported as very
8 rich. Some subset of that is information that
9 people who don't really care about very much and
10 don't keep sufficiently precise records. And as a
11 result, you get a lot of spurious breaks in the
12 independent submissions which are of really no
13 significance for regulatory purposes.

14 So I guess I would refer back to my
15 earlier comments, which is it would be really much
16 more efficient if people were allowed to satisfy
17 the requirement by essentially outsourcing the
18 submission to a middle or lower provider, and from
19 the perspective of dealing with the timeliness
20 issue, you obviously wouldn't want to create a
21 situation where people could avoid the requirement
22 to do post-trade public reporting in a timely

1 fashion by sort of nefariously conspiring to not
2 affirm the trade soon after it was done.

3 That's easily addressable since those
4 services nonetheless require each party to
5 interact with it independently, that if one of the
6 two parties hadn't engaged within the time window,
7 then you could get single- sided submission for
8 post-trade transparency purposes.

9 MR. TAYLOR: And I think on that last
10 point it's likely that business conduct standards
11 are going to come down on people who don't report
12 it in a timely fashion anyway.

13 MR. MacBETH: But, say, the thing, you
14 know, we value from the idea of both parties being
15 involved is this quality control, but, you know,
16 the statement that that can come in matched or,
17 you know, affirmed if that's the model of one
18 party, and it submits, another party attests to
19 that, and that comes down as a match trade, or it
20 comes, you know, from something higher up, and
21 it's a safe. But again, it's prematched. You
22 know, to ask that is, that is the highest quality,

1 you know, dates that we can receive, and we think
2 that is very valuable. How that then ties to the,
3 you know, construct within Dodd-Frank of who's
4 reported that, I'm not sure. But, you know,
5 there's huge value.

6 And there is, you know, there's huge
7 value of having participants in the system in
8 terms of identifying who they are and dealing with
9 some of the data privacy issues. And again, if
10 you're going to operate this globally, and you
11 care about things that impact your markets that
12 are outside, you know, again the United States,
13 you will need provisions like that to aggregate
14 all that data because you will hit data privacy
15 concerns that can only be dealt with by
16 contracting with some of the polities, and some of
17 them can't be dealt with.

18 So, yeah, the other -- this is the
19 second advantage I learned of by the quality is
20 potentially the data completeness.

21 MR. GLACE: Excuse me, please. You
22 know, the important part for us again is have

1 users who are satisfying the reporting
2 obligations, and so, therefore, I would sort of
3 again recommend it. If we've used an outsourced
4 provider, we've talked about, you know, separate
5 outside confirmation processes as well, it would
6 be nice from an unusual perspective to say, you
7 know, okay that lot is then reported, and, you
8 know, we've got documentation and process behind
9 it. So again, you know, to me to have that
10 process go on, which is a useful business process,
11 and then to duplicate it again in some other
12 fashion is just an additional cost.

13 It may not be, you know -- it may just
14 continually adding to the cost and to the quality
15 of the total reporting burden has been satisfied
16 because, you know, some compliance officer or risk
17 manager has to ultimately say we've satisfied our
18 reporting obligations, and here's our checklist
19 and here's how we've gone about it.

20 MR. PRITCHARD: As a software solution
21 provider, obviously it's beneficial to get two
22 records that you can match together. You can, you

1 know, from the software point of view, do more
2 verification. And, for example, the counterparty
3 standardization that we talked about, it's easier
4 if you're getting both sides of the trade to make
5 that mapping and translation.

6 But to Jeremy's point, this is very much
7 focused at the sort of systemic risk end of the
8 function of the repository rather than the
9 real-time reporting.

10 MR. MacBETH: I've also experienced the
11 MIFID regime, not in the current role I'm in, but,
12 you know, in Europe. And we've, you know, we
13 found it difficult to control that process as a
14 party submitting to that simply because there
15 wasn't the -- a feedback loop from it. And so,
16 you know, in talking to the using existing
17 mechanisms that have, you know, in effect feedback
18 loops, so if you don't confirm to your
19 counterparty, your counterparty will provide you
20 the feedback, whereas, you know, typically under
21 MIFID, if you admit to report, you admit to
22 report. And, you know, you may or may not find

1 out about that later.

2 But, you know, it's very difficult to
3 order and control that, that stand alone reporting
4 process. And, you know, I actually think maybe
5 three times I've found myself doing a full review
6 of our MIFID reporting at various times, you know,
7 and I kind of, you know, like for my former life.
8 So it's difficult.

9 MR. PICKEL: And I think you want to get
10 the -- if you want to get those two strands to
11 come together, you know, with all the information
12 you're going to provide and all the other things
13 you need to do, I would think that this is one
14 area where you can probably leverage off of what's
15 been built in the industry where there are those
16 platforms where people come together, whether they
17 be SEFs or some of the providers around the table,
18 and take that information and then not, you know,
19 not have to take that burden on among the many
20 ones you're taking on.

21 MR. SHILTS: Moving on to the next
22 questions, I guess following up on some comments

1 that have been discussed already, but just
2 generally I think somebody had made the comment
3 about providing flexibility for the repositories
4 to take in data in various different formats,
5 maybe to get some more thoughts on the
6 practicalities of that given sort of where the
7 industry is today, and then sort of, is there the
8 ability to take the guide in all different formats
9 and sort of -- I don't know the right, correct
10 term -- but standardizing, right, not in terms of
11 being able look across the various -- all of the
12 information coming in to standardize it?

13 MR. PICKEL: And I guess that here
14 again, similar to my last points, you know, there
15 are these factories, these processing bits,
16 whether it's TriOptima or DTTC, or the SEFS that
17 are taking some of this information in and, you
18 know, producing some output. And I think you
19 should be most focused on what the output from
20 those processes are and largely leave it up to the
21 infrastructure to, you know, building something
22 that they think is effective to produce the output

1 you need.

2 You know, again I could talk about it a
3 financial products markup language which is one
4 possible means of that output, but, you know,
5 again it's these infrastructure components that
6 have put a lot of work and effort into being able
7 to be responsive to their clients in taking in
8 information in whatever format the clients may
9 have. That may, you know, that may evolve with
10 FPML all over time, which is a pretty rich
11 standard. But we know that there are platforms
12 that utilize the information in other formats.

13 MR. PRITCHARD: I think, fundamentally,
14 in the OTC swap landscape, there are going to be
15 some contracts out there where it's going to be
16 frankly subjective as to how to submit them. And
17 that's just the reality that the comprehensive
18 nature of the SRD faces. I think from our
19 experience providing exposure management, we do
20 what we call normalization whereby we allow the
21 parties to submit in a format that has certain
22 rules about it, but it's as free as possible so

1 that we can get data from their automated services
2 and leverage these other platforms.

3 But, truthfully, what allows us, a great
4 part of what allows us to make that work, is the
5 fact that we're seeing both sides of the trade,
6 and that it's kind of like the Rosetta stone: You
7 get is in another language, and you can work out
8 what the translation is. And so to a degree it's
9 based on that, but it does allow the parties to
10 use their existing automated systems and not have
11 to build to new prescribed formats, which is
12 costly and needs maintaining going forward.

13 MR. TAYLOR: I think I'm hearing an
14 answer to that question, but let me just confirm
15 that I am. If we -- if the rules contemplated a
16 setup where we did not prescribe to the
17 counterparties, what data standard or what
18 language they should be using to report to the
19 SDRs, if all we said was the regulators want to
20 get from the SDRs using this data standard is that
21 most workable for everyone, I think I'm hearing
22 the answer to that is yes. But --

1 MR. BARNUM: Yeah, I think the answer is
2 yes, but I think that SCRs should be, I would
3 think that SCRs should be permitted if it winds up
4 being most efficient to require that the
5 submissions to them be in a certain format.

6 In other words, there's kind of three
7 choices, right? One is regulator says when you
8 submit to the SCR, it must be in this format.
9 That sounds like a bad idea. The next option is
10 SDR can just -- can consult with its
11 constituencies and agree a format. That seems
12 pretty reasonable to me. The third option is SDR
13 is forbidden from proscribing a format to its
14 constituency. That seems like it's requiring a
15 degree of flexibility on that part of the SDR
16 which may not economically in the interest of the
17 community at large. It may be sort of satisfying
18 one particular party's desire to submit a certain
19 format and that expense is going to wind up being
20 shared among everyone, I think for very little
21 collective benefit.

22 MR. TAYLOR: We touched on this question

1 before, but again as a follow-up various pieces of
2 our discussion here have talked about, you know,
3 the utility, for instance, of letting
4 counterparties satisfy their reporting obligations
5 through using a third-party confirmation service
6 that, you know, then would report to the SDR,
7 would, point taken on that one.

8 You carry that a little further, we
9 raised the question earlier and I don't think
10 entirely answered it: Should only confirmed
11 trades come into the SDR? And this, obviously,
12 you know, there's a time aspect to this, and the
13 time aspect is probably most urgent, if you like,
14 the more bespoke the transaction is. I mean
15 something that's executed on a platform or
16 cleared, that data will come quickly. In any
17 case, it may come less quickly, you know, if it's
18 truly bilateral OTC and some confirmation has to
19 be done.

20 What are the ups and downs of should
21 only confirmed trades come into the SDR?

22 MR. MacBETH: So I think nonconfirmed

1 trades should come in, and again we talked about
2 this in a quality standard. The reason I think
3 they should is because they're information, and
4 they could be very materially information to the
5 picture that the SDR presents with respect to
6 training positions.

7 Now, you know, there might have to be a
8 caveat associated with that record to say that it
9 isn't as secure as others.

10 Now again, the problem is this then
11 becomes an opening of the confirmation process to
12 the SDR, and there is, you know, there is noise in
13 that confirmation process. There's messages that
14 are sent that were sent in error. They weren't,
15 you know, they need to be amended, and there needs
16 to be some ability to cut out that noise. But I
17 think at a certain point in time, the SDR should
18 take unconfirmed trades if it's coming from a
19 platform into the SDR, and have that information
20 available to report, because potentially that
21 single trade could be material to the information
22 given.

1 MS. LEONARD: But does it mean that you
2 either also have to have some system of error
3 resolution of the confirmation finally arrives to
4 you?

5 MR. MacBETH: You would have to be --
6 have to cancel any, any other arrangement.

7 MS. LEONARD: Do you have this type of
8 systems? Do you have experience in dealing with
9 that?

10 MR. MacBETH: Today that happens. You
11 know, that happens. We have access to unconfirmed
12 trades as well as confirmed trades, and we can
13 report on that, and we have an (inaudible) cancel
14 and correct methodology that can work. But I do,
15 you know, I do want to caution, I don't think, you
16 know, where transactions were clearly, they were
17 quickly corrected. I'm not sure they should all
18 be watched through entirely. So again, it will
19 point to the timeliness, point towards the SDR.
20 You know, the real-time situation will need a
21 different model than that. But the, you know,
22 core reporting in the SDR I think should be

1 informed potentially by unconfirmed events to
2 allow accurate data.

3 MR. PICKEL: I might just ask a question
4 of both Steward and David. By "unconfirmed
5 trades," I mean there are the trades with the DTC
6 warehouse, there are the trades that are actually
7 confirmed through the system and go in as the
8 so-called gold copy. There are other trades that
9 go in there that are not those types of trades,
10 but they are -- nevertheless a confirmation exists
11 of those trades, and it is, you know, I think
12 you're probably aware with the efforts made by the
13 industry over the last five years working with the
14 New York Fed, the time between execution and
15 confirmation has been drastically reduced across
16 certainly credit, interest rates, and even in
17 other areas.

18 So that the number of trades for which a
19 confirmation, meaning both parties has signed off
20 on the confirmation, doesn't exist is a relatively
21 small number. And I guess my own personal
22 reaction is sounded out that the membership on

1 this is that better to wait that extra day or two
2 to get a properly, fully confirmed trade available
3 to go into the warehouse than to take in
4 information today that might need to be corrected
5 the next day and the next day before it's finally
6 confirmed. But that's just my reaction. That's
7 distinct from, you know, the confirmed trades that
8 go in which are in your case very rich in
9 information.

10 MR. TAYLOR: And I take it part of your
11 point is that any downside in timeliness or of
12 delay has in a sense already been minimized
13 because of the majority of trades are being
14 confirmed quickly anyway.

15 MR. PICKEL: Oh, that's right. And,
16 furthermore, again distinguishing, using the
17 Barnum distinction if you will, between the trade
18 information, you know, about the pricing, the
19 real-time price reporting versus the information
20 about systemic risk. I mean keep in mind AIG did
21 not put those trades on over the course of three
22 days; they put them on over the course of several

1 years and the risk built up. So you'll be able to
2 see that build-up and risk.

3 MR. BARNUM: Just one very brief thing,
4 because I'm not sure if a question is going to be
5 asked that's kind of a loss for address, and I
6 actually think it's quite critical, which is that
7 it is important for the regulators to engage with
8 the SDRs and the various providers, especially in
9 connection with post-trade transparency, but also
10 generally on the question of price-forming versus
11 nonprice-form trades and the related question of,
12 like, events which are trades and events
13 which are not trades. And we're not going to have
14 time to discuss that in detail here, but I think
15 that those two questions are ones that we as an
16 industry have struggled with quite a bit, and I
17 think people like Steward at Savvy for having an
18 intimately familiar with the challenges that they
19 create.

20 But I think from the perspective of
21 avoiding a signal to noise ratio problem in the
22 regulatory community, especially in connection

1 with surveillance, it's going to be very important
2 to think carefully about that question and ensure
3 that the standards that emerge include this kind
4 of attribute which is
5 price-forming/nonprice-forming and, you know, a
6 post-trade event which is actually the same
7 economically as a trade, like, for example, an
8 unwind or a partial unwind versus post-trade event
9 which is not a trade, like, for example, an
10 amendment of a fee that was booked erroneously.

11 MR. SHILTS: And, Bob, just a quick
12 question. You had mentioned you thought the
13 majority of the deals are confirmed quickly. Just
14 like in a time frame, what did you mean by that?

15 MR. PICKEL: You know, I don't have -- I
16 could get you the statistics that are reported on
17 a regular basis to the regulators, but, in, you
18 know --

19 MR. BARNUM: Actually, Bob, sorry to
20 interrupt. Sorry to interrupt --

21 MR. PICKEL: Yes?

22 MR. BARNUM: -- I just happen to have an

1 answer to that question. I think the guys --
2 Steward, you may have this as well -- but some
3 work was done to look at the question in rates,
4 what was the time lag between submission and
5 confirmation? Were people using the, I guess, the
6 whatever you want to call it, the swaps wire
7 workflow and rates, and apparently the average
8 time from execution to confirmation was something
9 like 11 minutes.

10 MR. PICKEL: Yeah, we can get a lot of
11 deep information and data to you on that from the
12 efforts of the last five years with the New York
13 Fed.

14 MR. PRITCHARD: I don't want to answer
15 that specific question, but going back to the
16 earlier point, I think if you get data, then you
17 need to be able to get corrections. That's just
18 the reality. We get 6 million trades on a regular
19 basis, another 4 million a day, and you just got
20 to be able to handle corrections, and you've got
21 to be able to handle lots of them. So that's a
22 separate requirement, I think, on the repository.

1 So, you know, and if you want
2 confirmations, there's lots of good initiatives
3 that happened around speeding up confirmations,
4 and you've heard about the benefits of that. But
5 from our experience of exposure management,
6 parties want to get on with that task
7 independently and have the confirmations
8 proceeding. It may be already done, it may not be
9 already done, but we wouldn't see the benefit of
10 making submission to the repository dependent on
11 confirmation having already happened.

12 MR. SHILTS: We're nearing the end, just
13 a couple of minutes left, so if anyone has any
14 other final comments or observations to make?

15 MR. CUTINHO: I think there is a
16 distinction between affirmation and confirmation.
17 There is electronic affirmation taking place in
18 some clearing models such as ours. We don't
19 require a legal confirmation before the trade is
20 submitted for clearing, especially if it's a new
21 trade. So we need electronic affirmation, and
22 then the legal confirmation is the one that is

1 disseminated by the clearing house.

2 So it's very important to distinguish
3 the two. An affirmation is bring two people
4 together and you can actually have a match in that
5 case; and all circumstances for bilateral trades
6 there is an extra step of confirmation which
7 actually goes the legal document enforcement.

8 MR. TAYLOR: Is that the -- excuse me,
9 is that the --

10 MR. BARNUM: I would just briefly like
11 to chime in there.

12 MR. TAYLOR: Go ahead.

13 MR. BARNUM: Sorry, I just -- I'm of the
14 opinion -- it's really of a personal one, but the
15 distinction between affirmation and confirmation
16 is to some degree a distinction without a
17 difference. And so I think that, you know,
18 actually it's an important question for the
19 regulatory community to think about because I
20 wonder whether this has ever been tested, but in
21 practical terms it's a legal matter. If we're
22 saying that affirmation effectively represents

1 full de facto agreement between the parties, then
2 the distinction between that and conformation
3 becomes moot, and there's an argument that we
4 shouldn't be building on an infrastructure that
5 presumed to be the existence of two distinct
6 processes.

7 MR. TAYLOR: I'd just ask a sort of a
8 wrap-up question which is how long will this take?
9 And I know you may be reluctant to answer that
10 because you might think we're going to cut
11 whatever number you give us in half. But maybe to
12 avoid kind of giving it a number, we've been
13 hearing a lot about existing systems off of which
14 we can leverage, and I think that's been very
15 helpful to think along those lines. But if you
16 have a view about implementation time frame, that
17 would be helpful.

18 But also if you have a view about what
19 we could do to resolve some of the issues that
20 will facilitate quick implementation -- in other
21 words, I know a lot of this will be the answer is
22 going to be it depends on what you're -- how long

1 will it take, it depends on what the system looks
2 like. Are there basic design elements of the
3 system that would be helpful to address sooner
4 rather than later, even if all the details aren't
5 worked out, to help facilitate your planning and
6 the more speedy implementation? I'm just trying
7 to be brief.

8 MR. DIXON: I'll take a stab at it. And
9 the first one would be, what do you need and when
10 do you need it by? And the second comment would
11 be, what's readily available. So if it's readily
12 available, then that makes it a lot more
13 straightforward, and then the discussion could be
14 around how and when that gets delivered.

15 When we get in to the greenfields of
16 trying to understand what's next and what's new, I
17 think we need to be very cautious and probably
18 take our time and, you know, crawl, then walk, and
19 then run. But I think that if you look at the
20 legacy of systems and legacy of work that's been
21 done in the industry, there certainly are some
22 answers available there in the shorter term.

1 I think if we attempt to boil the ocean
2 and look at everything, it'll take forever, and we
3 won't end up where we want to be.

4 MR. CUTINHO: Um, sorry. I think the
5 important question and scope of the what is the
6 true scope, and the second would be, how does a
7 regulated market or clear group (inaudible)

8 MR. PRITCHARD: A real quick, then, just
9 I think it's just two parts. One is as a provider
10 what requirements you're putting on us as a
11 solution provider; and secondly, from the industry
12 point of view, the respondents, what they need to
13 do in order to get ready to meet those. Really, I
14 don't think you probably want to get the provider
15 to do -- to make it easy for the respondent.

16 MR. PICKEL: I guess I'd point to a
17 little bit of recent experience, namely, the
18 process that's been going on over the last five
19 years with the New York Fed where -- and I'm not
20 suggesting it's five years is the answer -- but I
21 mean that's what a very effective collaborative
22 effort between the industry, broadly speaking, and

1 the global regulators. And if you look at where
2 we were in September of 2005 versus where we are
3 in September of 2010, you'll see a completely
4 different world. And so I think there is some,
5 you know, some hope that this can move along very
6 quickly with a, you know, a commitment across the
7 industry and working very collaboratively with the
8 regulators.

9 MR. MacBETH: Yeah, the elapsed time
10 delay that the warehouse was about -- was about a
11 year, and it was a very concerted effort fairly
12 managed by a group of the external consultants
13 and, obviously, by the lower resources from the
14 participants themselves.

15 So there was a pretty -- you know,
16 that's one asset class that was trying to get
17 into, you know, high- quality dataset where they
18 could say it was their official legal records for
19 those trades. That it was a practical experience,
20 and the level setting and the expectations and the
21 requirements, I think, is the key, because I
22 think, as, like, for a service provider, I think

1 might have different perceptions about, you know,
2 where we're trying to get to. So I think -- I
3 think that's absolutely key.

4 And then, you know, there is some
5 tensions about what the right solutions are and
6 which components to use and reuse. You know, I
7 think it's important we don't throw away what
8 (inaudible) exists, and, you know, we do -- we do
9 build from that. So those are the points for me.

10 MR. SHILTS: Any other --

11 MR. BARNUM: Yeah, I would say -- yeah,
12 my answer to the question would be, 1, apply an
13 8020 rule, do the easy stuff first so that we can
14 -- there'll be, you know, it will be easy stuff.
15 There will be lessons to be learned which will
16 then make the difficult stuff less difficult, and
17 it will allow significant progress to be made on
18 the easy stuff, which I think will be helpful for
19 everyone.

20 And the second point I would say is that
21 to facilitate speed, an early decision, you know,
22 I would argue should be made to create a construct

1 that allows private sector solutions to meet the
2 requirements so that people feel like they have
3 commercial incentives to pursue solutions. That
4 will speed things up much more than if everyone's
5 waiting around to be told what to do.

6 MR. SHILTS: With that, thank you very
7 much, and we thank all the panelists for
8 participating today. We're going to take a
9 one-hour break, and we'll start back here on Panel
10 3 at 1:45. Thanks again, everyone.

11 (Recess)

12 MR. SHILTS: All right, if everyone
13 wants to take their seats, we can get started.

14 Okay, if everyone takes a seat, and
15 we'll get started here.

16 All right. Well, then, let's get going.
17 I want to welcome everyone to the Panel 3 for
18 today's roundtable, and this panel is going to
19 focus on models for real-time transparency in
20 public reporting. Some of the things we want to
21 discuss on this panel are the benefits of real-
22 time, public reporting, the entities that would be

1 responsible for such reporting, assuring the
2 anonymity of market participants and the
3 appropriate media for real-time reporting. I'd
4 like to start out by going around the table and
5 letting each of the panelist identify themselves
6 and where they're from. And, also, just press the
7 button. See the red light on, and you're able to
8 talk. Now, as we go through the panel, when
9 someone is speaking, if they could just say their
10 name so that others that are watching I'll know
11 can identify you as you're speaking because they
12 can't always see the name card and things.

13 So, with that, and, again, I'm Rick
14 Shiltz, director of the Division of Market
15 Oversight at the CFTC.

16 MR. COOK: Hi, I'm Robert Cook, director
17 of Trading and Markets at the SEC.

18 MR. SHILTS: All right, and, with that,
19 let me start going around the table, if everyone
20 could identify themselves and who they're
21 representing.

22 MR. MASTERS: Sure, I'm Michael Masters

1 with Masters Capital Management, and representing
2 Better Markets.

3 MR. HARRINGTON: Hi, I'm George
4 Harrington with Bloomberg. I look after
5 Bloomberg's global credit trading business.

6 MR. BERNARDO: Shawn Bernardo. I work
7 at Tullet Prebon, and I'm representing the
8 Wholesale Market Brokers' Association.

9 MR. AXILROD: Pete Axilrod, DTCC. I
10 look after our derivative services and business
11 development.

12 MR. TOFFEY: Jim Toffey, Benchmark
13 Solutions, we focus on pre-trade transparency
14 solutions for institutional investors.

15 MR. STEINER: Jeff Stiner with the CFTC,
16 Division of Market Oversight.

17 MR. LEAHY: Tom Leahy, CFTC, Division of
18 Market Oversight.

19 MS. SEIDEL: Heather Seidel, Division of
20 Trading and Markets the SEC.

21 MR. GAW: Michael Gaw, SEC Division of
22 Trading and Markets.

1 MR. GIDMAN: John Gidman with Loomes
2 Sayles, and representing the Association of
3 Institutional Investors.

4 MR. OLESKEY: I'm Lee Olesky, CEO of
5 TradeWeb.

6 MR. JOACHIM: I'm Steve Joachim, the
7 executive vice president for Transparency Services
8 and FINRA. I'm responsible for TRACE.

9 MR. JOACHIM: Jeff Joachim, CEO of
10 MarkitSERV.

11 MR. BLAND: Trabue Bland,
12 Intercontinental Exchange.

13 MR. SHILTS: And we'll start by asking
14 some questions, and we'd like to give everyone an
15 opportunity to respond, but if it goes a little
16 long that we finish by the 3:30 finishing time, I
17 may ask you to cut it short so that we can stay on
18 schedule.

19 With that, we'll start out with our
20 first question.

21 MS. SEIDEL: Thank you to everyone. I
22 guess the first question is sort of a broad

1 question in terms of, in your opinion, what does
2 the optimal system for public reporting look like
3 for these types of products? And then in what
4 ways can real-time reporting be most beneficial to
5 the market participants and the market?

6 MR. SHILTS: Anyone can start.

7 MR. OLESKEY: Oh, I'll start off. Lee
8 Olesky from TradeWeb. I would start off by saying
9 I think that electronic trading venues are a good
10 starting point for focusing on how to capture and
11 then ultimately deliver to the marketplace price
12 transparency and pricing into the market. And
13 that, certainly, we've had an awful lot of
14 experience doing that over the last 12 years of
15 so, starting with the U.S. Treasury Market and
16 other markets, and that capturing trades
17 electronically is a way to get closest to
18 real-time electronic trading.

19 In terms of the dissemination of those
20 prices, I think the challenge will be in the
21 derivative space, in particular, the wide variety
22 of different instruments that we have and the best

1 way of making sense out of them and capturing them
2 in a collective manner. And I don't have a
3 solution for you there, unfortunately.

4 MR. JOACHIM: I'm Steve Joachim, and let
5 me talk about because people have mentioned TRACE
6 a couple of times, and let me talk about what we
7 think of TRACE and the environment that's required
8 to make a transparency facility work effectively
9 in the marketplace overall, and there's a number
10 of components that take place. And I'm talking
11 about post-trade transparency, and I think you can
12 separate the conversation of transparency into
13 pre-trade and post-trade transparency because
14 TRACE is a post-trade transparency facility. And
15 there's a number of components that we think are
16 critical to making it work.

17 This morning, in the first panel,
18 somebody talked about the requirement to ensure
19 that data and swap data repositories were data
20 that people used to ensure that it was accurate.
21 Our experience has been that, with transparency
22 facilities in particular, that there are a number

1 of components that have to be in place to make
2 sure that transparency works effectively.

3 First is authority to compel people to
4 report the transactions. And that can come from
5 rules or some kind of rule-making, but, certainly,
6 our experience has been people have not
7 voluntarily reported transactions without the
8 force of rules behind them.

9 Second is you need an efficient
10 methodology for collecting and disseminating the
11 transaction, but when you have that information,
12 you need to be sure that you comprehensive and
13 accurate information, meaning you have to be sure
14 that all the data is reported because partial data
15 can be a problem as much as anything. And we can
16 tell you that through our experience with TRACE
17 and corporate bonds is that we discovered even
18 with the force of rules in place a number of
19 people that missed the rule or didn't report the
20 transaction initially, and it required an
21 examination routine, an ability to go back and
22 enforce and to ensure that people were actually

1 remembering to report their transactions and get
2 them to us for dissemination on a timely basis.

3 A third form of accuracy issues that we
4 need to worry about is that are all the data
5 reported and is the data that's reported accurate?
6 And, for that, you need some kind of real-time
7 data-cleaning exercise in place that ensures that
8 the information is complete and accurate and
9 verifiable so that when market participants are
10 depending any transaction information in the
11 marketplace that they have a sense that the
12 information is reliable and fair. That doesn't
13 mean that there aren't corrections made to data as
14 time goes on, but that you need all of those
15 components in place to ensure that you have an
16 effective regime in place.

17 In terms of the timeliness of what is
18 real-time and how does it work, and I think a lot
19 of that depends on the marketplace. I think where
20 there are underlying instruments, in securitized
21 swaps, for example, I think that there is a strong
22 interest to keep the timing of that as close to

1 the timing of transparency on the underlying
2 instruments because I think there is an interplay
3 between the two. I think where there aren't
4 underlying instruments, I think that there is a
5 question as to exactly what is real-time and how
6 real-time is has to be to make it effective for
7 market participants, and I think that's something
8 that we should look at instead.

9 MR. AXILROD: I guess I'd also take sort
10 of the reverse view of this, which is there are
11 certain things that we absolutely should not do.
12 Today, more than just prices get reported. Today,
13 there's public reporting of open interest, there's
14 public reporting of turnover. Some portfolio
15 managers have told me that open interest is more
16 important to them than price information, and, in
17 any event, it's all important that the public -- I
18 will guarantee you that the reporting will turn
19 out to be inaccurate if it's fragment.

20 I know you've heard this before, but
21 particularly open-interest reporting, we did a
22 quick look at the most liquid credit default swap

1 index traded, it would look like today we reported
2 or awhile ago reported the open interest at
3 somewhere around \$50 billion at some point. If
4 clear trade open interest, and unclear trade open
5 interest were reported separately, the open
6 interest would have looked like it was \$100
7 billion, which was inaccurate because there are
8 legs in and legs out, and you might say well, that
9 will all go away when all of the indices are
10 cleared. That actually isn't true because there
11 are multiple clearing locations, and a lot of
12 times, it's one party or another gets to decide
13 where something is cleared. Again, if all the
14 trades were cleared, but what are unclear today
15 were cleared at some place different, then where
16 the clear trades are cleared today, it would still
17 look like you're pretty much misstating the open
18 interest by a factor of two, and especially when
19 you get to things that are more important
20 systemically, like single names that somebody
21 about to go under, what's the open interest in
22 mortgages, things like that, radically overstating

1 the open interest tends to instigate panic, so
2 forth, and so on. So, I guess what I would urge
3 whatever public reporting mechanism is set up, you
4 need to make sure that everything that gets
5 publicly-reported is going to be publicly-reported
6 accurately, and there are just a lot of ways in
7 which non- aggregated reporting will make it
8 inaccurate.

9 MR. GIDMAN: This is John Gidman from
10 Loomes Sayles. I mean, I couldn't agree more with
11 Peter's point. When we balance the tensions
12 between real-time access to data and the data
13 being correct and authoritative, investigators,
14 and we think the public overall, are much better
15 served by having gold records that we can rely on,
16 particularly at the aggregate level of the market
17 and the markets.

18 MR. BERNARDO: Shawn Bernardo with the
19 Wholesale Market Brokers' Association.

20 All of the brokers have the capability
21 to report trades to the regulators in a timely
22 fashion. To go back to what Steve said as far as

1 TRACE is concerned, we have a track record of
2 reporting those trades efficiently, and we have
3 the systems in place to do that, along with the
4 various means. I mean, we can do that voice, we
5 can do it electronically, we can do it as hybrid
6 as far as the execution, but we send those trades
7 electronically to them in a timely fashion.

8 MR. TOFFEY: This is Jim Toffey. I just
9 wanted to add an additional point. I think TRACE
10 is a great foundation model as you guys think
11 about the reporting mechanism going forward.
12 They've dealt with a lot of issues very well in
13 bouncing out liquidity and transparency and
14 timeliness. There's one other component though
15 that should not be lost, and Steve went out of his
16 way to say that it's a post-trade, transparency
17 mechanism. But there's an important feedback loop
18 back into pre-trade transparency, and the
19 timeliness of post-trade and the feedback into
20 pre-trade makes the market more transparent. And,
21 so, I just wanted to point that out.

22 MR. GOOCH: I think one thing with these

1 conversations, we tend to very quickly move to how
2 it should be done, which is very important, but I
3 think sometimes we lose sight of why we're trying
4 to do it in the first place. And different people
5 have different views on that, so, I'm not sure
6 it's definite, but I think when you talk to most
7 fund managers, what they're hoping to get out of
8 this is cheaper execution. But when you drill
9 into that, I think what cheap execution actually
10 means is not the most obvious thing. You can go
11 to the equity markets, which a lot of stuff done
12 on exchange, very transparent, most fund managers
13 will look at the cost of execution, and not just
14 being the commission or the bid offer on the
15 exchange or the commission from the dealer.
16 They'll look at the market impact of the trade and
17 say how much did it cost me to put that trade into
18 the marketplace? How much did it move during
19 execution, everything else? And I think here with
20 any regime that we design here, the objective
21 should be to get that total cost as low as
22 possible. It does mean there's an interplay

1 between the size of the order, the liquidity on
2 the low market, how much price has moved if you're
3 trying to move the position. So, I think it's a
4 little more complex than say all dates are out,
5 real-time, aggregated, and all these other things
6 you need to talk about. We need to make sure we
7 create something that actually gives benefit to
8 the industry and tends to reduce in cost rather
9 than to increase in cost, but reducing equity in
10 certain areas. You'll get (inaudible) bid offer,
11 but then bigger market moves and (inaudible) is a
12 little more complex.

13 MR. HARRINGTON: I'd actually agree with
14 Jeff on that point, so, when we're speaking to our
15 customers on both the buy side and sell side,
16 obviously, the reporting issue is certainly at the
17 forefront of their minds, and it really comes down
18 to market efficiency. So, while the idea of
19 real-time reporting obviously seems to have great
20 benefits, I think that when you look at overall
21 market efficiency and especially when you'll get
22 the client to dealer market, and then, obviously,

1 the inter-dealer market, there can actually be
2 sort of a wave of effects that can occur as you
3 move reporting closer to the time of execution.

4 Secondly is when you look at the larger
5 effect of the markets, and especially in the
6 derivative space where there's different kinds of
7 reporting that can take place, while there is
8 block execution that occurs, and there's obviously
9 the post-trade events regarding allocation and the
10 actual legal counterparties to the trade, which
11 are not always identified at execution, so, there
12 will be some time lags between the two. So, I
13 think that those issues really need to be sorted
14 out before we sort of move forward.

15 MR. SHILTS: And that was George
16 Harrington.

17 MR. HARRINGTON: Sorry.

18 MR. SHILTS: If you could just remember
19 to say your name before you speak.

20 MR. JOACHIM: Let me just add a couple
21 of things because I think that you raise some
22 interesting questions, and I think that there are

1 a lot of things that transparency does, and some
2 of it, particularly trade transparency, can do
3 more than just provide benchmark pricing at the
4 moment in time. It has a positive impact in terms
5 of looking at price evaluations for consistency of
6 price evaluations in a marketplace that sometimes
7 pre-trade transparency provides some indication,
8 but it doesn't always tell you how to value a
9 instrument. Instead, it's another data point that
10 can be essential for creating consistent marks in
11 terms of people's portfolios and almost any
12 instrument across marketplaces.

13 I think your point in terms of -- and,
14 by the way, this is Steve Joachim. I just
15 reminded myself. I'll remember.

16 I think you're absolutely right, Jeff.
17 I think that transparency can mean different
18 things for different instruments. We should look
19 very carefully at fungibility of the pricing data.
20 If an instrument is a one-off instrument that
21 doesn't really trade very often or doesn't have
22 much activity in it, it doesn't trade, it's so

1 complex that it's not similar to any other
2 instrument in the marketplace, putting out a
3 pricing instrument may not be a value in the
4 marketplace at that time. So, I think we need to
5 look at the underlying factors that effect
6 instruments and determine when is a "real-time"
7 transparency regime going to be valuable to the
8 marketplace overall, and it doesn't have to be
9 uniform in terms of that.

10 MR. SHILTS: Anyone else want to comment
11 on that?

12 MR. LEAHY: I actually have a follow-up
13 question. It sounds to me like what I'm hearing
14 is that you all like the idea of, perhaps, some
15 kind of consolidation of this data.

16 What do you think would be appropriate
17 for steps to get there?

18 MR. GOOCH: I think to think about, and
19 we had a bitter experience in Europe with the
20 MIFID Regime where this went horribly wrong. You
21 can take cash equity, which is a very simple
22 product compared to what we're talking about this

1 afternoon. Under the MIFID Regime, post-trade
2 transparency, everyone had to publish, everyone
3 did their own thing. Market group did the
4 (inaudible) service with 25 percent of the market
5 versus exchanges published, and what ended up
6 happening was, yes, all the data was available,
7 but, in practice, no one could use it because some
8 venues published data with condition code so you
9 could tell if they're price-forming events or not.
10 Others didn't put the trade time on, they just did
11 the reporting time. That proved almost impossible
12 to bring out data together. So, I think the first
13 thing, which is the step that was missed in Europe
14 was say exactly what is the dataset that needs to
15 be reported, then back into who's doing the actual
16 reporting? I think it went the other way around
17 in Europe, but I think that's something they're
18 working very hard now to (inaudible) in the MIFID
19 review at the moment.

20 MR. OLESKY: I'll just go back to the
21 point that a few people raised. I think there is
22 a real difference when we think about what are the

1 purposes here, and the purpose in post-trade
2 reporting, the regulatory purpose, the systemic
3 risk purpose associated with capturing this data
4 in a way that people can analyze it, to a certain
5 extent, it may not be real-time, it may be
6 necessary to be absolute real-time versus a
7 pre-trade process, which is more about price
8 formation, getting the best price for the
9 customer, and liquidity, and I think each of those
10 two different ideas need to be somewhat addressed
11 separately. They're related, but they need to be
12 addressed separately because the amount of
13 information where you structure things, I think
14 it'd be very different for a post-trade
15 environment where you're looking at it for one
16 reason versus a pre-trade environment, where
17 you're looking at it for a price formation,
18 liquidity, and actual customers interacting in the
19 marketplace. And it's different bits of
20 information and different organizational approach
21 to those two things that we should keep in mind
22 when structuring this because I think they are

1 very different ideas. And that's been reflected
2 in a number of the comments. I don't think that's
3 anything new. I'm sure that's been talked about
4 today previously.

5 MR. AXILROD: I guess I'd like to make a
6 further distinction about what's
7 publicly-reported. I mean, it seems things are
8 publicly-reported, so, investors particularly,
9 ultimate investors and users have an idea about
10 what's going on in the market and can make
11 informed decisions. But I think it's important to
12 distinguish this sort of tape or consolidated tape
13 type thing, exchange type thing from another type
14 of reporting. I mean, that may give you execution
15 prices at certain times, but it won't tell you
16 what's really going on in the market, right? Are
17 positions just swapping around or is open interest
18 really increasing? All of that stuff. So, you've
19 got another piece of public reporting, which is
20 giving you another picture of the market, which
21 is: Is the turnover creating new, open interest?
22 That sort of thing, and I think that has to be

1 consolidated in order to be meaningful because,
2 otherwise, you'll get something inaccurate. It's
3 not clear that the sort of tape reporting has the
4 same imperative to be consolidated, but it would
5 be better if there was some sort of consolidated
6 tape.

7 With respect to the open interest,
8 turnover, and that sort of stuff, I think the
9 repositories are a natural place to report that
10 because they're holding the information, but there
11 probably has to be some sort of aggregator if
12 there's more than one repository per asset class,
13 and people have to work that through.

14 In terms of the sort of consolidated
15 tape, I would echo what Jeremy Barnum said in the
16 last panel, that people already have to do
17 something very close to the point of trade to get
18 it so it's a legal trade, and it seems to me that
19 those are the natural venues to have that sort
20 of -- whatever real-time reporting one does, it
21 seems like that's the natural venue to do it is a
22 sort of middleware or confirm facility type places

1 so people don't have to go twice.

2 MR. BERNARDO: Shawn Bernardo. I guess
3 from the brokers' perspective, we actually have
4 the systems now in place that if you wanted to see
5 pre-trade pricing or price formation, we could
6 provide you with the view-only screen so you could
7 see those prices real-time being put on the
8 screen, whether they're live bids and offers or
9 whether it's indications of interest. So, we
10 could give you that, to the regulators.

11 And, as far as the post-trade, we could
12 do that, as well. As long as the trades are
13 coming through us, we could disseminate that
14 post-trade feed directly to you guys, and you
15 could have a blotter similar to what a trader has
16 in front of them, and you can see okay, these are
17 the details of the trade so you can monitor what
18 is going on.

19 MR. SHILTS: And you're talking about
20 transparency to the regulator, not public
21 reporting?

22 MR. BERNARDO: Correct.

1 MR. OLESKY: This is Lee Olesky. If I
2 could give an example, U.S. Treasury Market, which
3 is a market we started 12 years ago, so, how does
4 that work in terms of pre-trade transparency and
5 actual transparency of execution?

6 We actually have a screen that shows a
7 bid and offer that is fairly indicative of the
8 marketplace. Eighty-five percent of the
9 transactions occur electronically within that bid
10 and offer, and then once the trade occurs, the
11 price pops up on the screen and is available for
12 people to see what the price is. It's also
13 available in a feed that customers can pay us for
14 and acquire.

15 So, using the Treasury Market as an
16 example in terms of pre-trade transparency or
17 transparency at the time of the trade, you have
18 both an indication of where the market is, which
19 is very good information, you have absolute
20 information on what the last trade was, and it's
21 very focused on the asset classes and the users
22 that care about the market that were in, for

1 example. So, if you want to apply that to other
2 markets, this is why my opening comment was that
3 electronic marketplaces, I think, are the best
4 place to focus on for pre-trade transparency. You
5 have in the Treasury Market an example of absolute
6 certainty on what the price was and the last
7 five-year note.

8 What we don't give information on is the
9 absolute size of the transaction, and the reason
10 we don't do that is because that starts to
11 interfere with the formation of liquidity and the
12 risk associated with the trade. So, by not
13 showing the size, what you're doing is you're
14 giving someone a sense of where the market traded
15 on a price level, but you're protecting the
16 marketplace from the information that it might be
17 a very large transaction.

18 Our typical interest rate swap
19 transactions that we do in the U.S. in dollars
20 average \$40 million a trade. So, you need to be
21 careful, depending on the market you're in, the
22 pre-trade transparency can absolutely impact the

1 ability to access liquidity because these are
2 markets that are principle markets. So, there's
3 always someone who owns each side of that
4 transaction and the risk associated with that
5 transaction.

6 MR. MASTERS: This is Mike Masters. I
7 would just clarify that you're talking about
8 pre-trade rather than post-trade. Clearly,
9 post-trade doesn't have an issue. If I see a
10 block trade, I want to see the block trade. After
11 the fact, pre-trade (inaudible) bids and offers,
12 people (inaudible) and so forth, but after the
13 fact, I want to see that post-trade liquidity in a
14 block print in some form or fashion than
15 quantified. Just I think that's the point you
16 were making.

17 MR. OLESKY: I'm not sure that's exactly
18 the point I was making. But, I mean --

19 MR. MASTERS: (inaudible) my point.

20 MR. OLESKY: I'm not sure I understand
21 your point in terms of --

22 MR. MASTERS: (inaudible) I'm just

1 saying there's a big difference between pre-trade
2 transparency and post- trade transparency --

3 MR. OLESKY: Well, yes --

4 MR. MASTERS: From the standpoint of --

5 MR. OLESKY: Well, what I would say --
6 right, and what I was trying to say before with
7 the difference in what you need to see pre-trade
8 and at the time of the trade to prepare yourself
9 to trade, there's a different set of factors and
10 information, and you might want to have
11 collectively in a place where regulators
12 post-trade can access systemic risk and what the
13 exposures are across many different instruments.
14 The challenge here, I think a few people have
15 touched on this already, is there's a wide
16 diversity of instruments that we're talking about,
17 and to pool them together in some sort of
18 consolidated way and say well, here's an equity
19 derivatives trade, here's an FX trade, here's a
20 commodity, here's an interest rate swap, I don't
21 know how you'd make sense out of that in a sort of
22 pre-trade environment. Post-trade, you have to

1 pool it together in a universal way so it can be
2 interpreted and used to access systemic risk and
3 where you have risks among counterparties and
4 players in the marketplace.

5 MR. TOFFEY: But to Michael's point, I
6 think it's important that if you look at corporate
7 bond market, a very disparate market, and 97
8 percent of the market is dark throughout the day.
9 There was no real-time good price on 97 percent of
10 the issues. When an investor wants to trade, the
11 first thing they'd go and look at is TRACE before
12 they look at anything else. And, so, it's a
13 valuable tool and it is the lifeblood of a good,
14 efficient marketplace and it's something that, as
15 you explore, it's a very good model for the swaps
16 and derivatives market going forward.

17 MR. JOACHIM: This is Steve Joachim. I
18 had to remember to say my name first. It's not an
19 advertisement.

20 I actually think a lot of people said a
21 lot of great things here. I think the first thing
22 that has to get done is the CFTC and the SEC have

1 to decide what are the goals they're trying to
2 achieve through real-time transparency? I think
3 the legislation is a little bit vague on exactly
4 what they're trying to achieve through it, and I
5 think we have to define what those goals are. And
6 they may be different for different segments of
7 the marketplace. It doesn't have to be uniform
8 for the same because the characteristics of the
9 instruments are different. And once you identify
10 what the goals are that you're achieve, then I
11 think what Jeff said earlier is absolutely
12 correct, is that we have to create a set of rules
13 that define the path that people have to follow
14 because it won't happen naturally. It needs to be
15 defined in a way that market participants know
16 exactly what they've got to do and they can do it
17 consistently and that, again, I think that there
18 needs to be an enforcement regime of some kind
19 that will ensure that people are following the
20 rules of the game because I think, in general,
21 most people do, but there's always the exceptions
22 that can create distortions.

1 I think what Pete said is right, it's
2 that there's a whole other segment of data that's
3 incredibly important to the marketplace that needs
4 to look entirely differently in terms of its
5 transparency value. Open interest, it may not
6 compute on a real-time basis. It may be good at
7 the end of the day. If you're just looking for
8 evaluation and for evaluation data, end of day
9 prices might be fine for that. I think we have to
10 look at exactly each different kind of data and
11 define what those goals are and then define what
12 kind of transparency regime makes sense for those
13 across the marketplace overall. And I think it's
14 the interplay of all those data elements that
15 defines a transparent marketplace. It's
16 pre-trade, post-trade, it's the indicative data,
17 it's other kinds of factors that will make the
18 marketplace be more efficient and more effective
19 overall.

20 MR. HARRINGTON: It's George Harrington,
21 and following-up on Steve's comments, I think that
22 what this really comes down to is what the venue

1 selection will end up being as far as where the
2 reporting will take place. So, as we step back
3 and look at sort of the SDF that we're having on a
4 broader basis here today, it seems obvious that
5 there more likely than not be multiple players in
6 that space, and, therefore, I think Jeff alluded
7 to in MIFID, Bloomberg's been waiting a long time
8 for MIFID data to come out so we could provide it
9 to our customers, and that's still not there. If
10 we get into a similar situation where there's
11 multiple SDFs and while there may be differences
12 between them, if the models are similar, you could
13 have a possible aggregator either sitting on top
14 or sitting behind them. But I think that the key
15 is that, from a regulatory standpoint, if we can
16 point towards a single source and the providers in
17 the space, like Bloomberg and my colleagues around
18 the table all have open and direct access to that
19 source and they're able to basically pass that
20 data back to our end-users. I think that's really
21 sort of a day one requirement so we can all access
22 and distribute the data on a fair basis.

1 MR. SHILTS: Any other comments on this
2 question?

3 MR. GOOCH: The only comment I would
4 make, and I'd echo what George says, I think it's
5 an important thing to get right in the sense
6 everyone talks about -- I'm as bad as everybody
7 else talking about the problems from transparency.
8 There's also a lot of evidence there that you can
9 take some benchmark products, make them
10 transparent, and that will grow the size of the
11 overall market. I mean, a lot of people believe
12 the interest market at the size it is, because
13 it's a very effective futures market. And,
14 certainly, as I've done over many years sitting in
15 banks, you listen to the tapes of conversations of
16 customers, half the time, they're talking about
17 the futures prices and when it takes over on the
18 exchange, and, therefore, is the swap properly
19 valued, et cetera? So, there's a strong feedback
20 between transparent markets and overall OTC
21 markets, and if you get that right, it could be
22 very beneficial to everybody. And to George's

1 point, that (inaudible) about getting
2 straightforward data out to a wide group of people
3 in a very accessible form on certain parts of the
4 market that can eliminate some of the other things
5 that are happening.

6 MR. SHILTS: All right, thank you. I
7 think we'll then turn to the next question.

8 MR. LEAHY: So, what data elements
9 should be reported? And I know this will depend
10 on the asset class.

11 MS. SEIDEL: And if I can just frame
12 sort of what we're asking for here, what we're
13 talking about is the real-time reporting, and the
14 statute has in it references, data relating to the
15 transaction, including price and volume
16 information with respect to a transaction that has
17 been executed.

18 MR. MASTERS: I'd just to make sort of a
19 broad statement in terms of what I think your
20 intent is or the intent of the Dot Frank. It
21 seems to me with all these various products, we've
22 got people speaking French, Japanese, Chinese, and

1 Italian, and we're trying to convert them to some
2 standard language, and one of the first things in
3 sort of the standardization of this market, if you
4 will, is to try to standardize the terminology in
5 the sense of how do we convert everything that's
6 over-the-counter into sort of a listed equivalent,
7 if you will, as much as we can do it? So, when
8 we're talking about an interest rate swap, there's
9 a certain hedge that a trader does with an
10 interest rate swap that has a certain delta
11 equivalent and so forth. And, so, in my view,
12 maybe one of the more practical ways of doing this
13 would be, and we're going to need to do this for
14 position limits and so forth with regard to other
15 parts of the legislation, is to convert everything
16 into some equivalent that everyone can understand
17 from a hedge perspective.

18 And, again, it's not like this is cold
19 fusion. I mean, people are doing this anyway
20 because anybody that's doing these trades, any
21 swap dealer that's doing these trades is
22 converting it into an equivalent so they do a

1 hedge. They have two choices, they can either
2 find another customer, at which point they have to
3 equivocate and figure out what their exposure is,
4 or they're going to do it on a listed market. So,
5 I think as much as we can, if we can put this
6 stuff, bring it down to a least common denominator
7 so we can add fractions, I think we're going to be
8 in a lot better situation with regard to whatever
9 product we're doing.

10 So, if someone is doing a certain kind
11 of a swap, if it's converted into some delta
12 equivalent, then the regulators know exposures
13 from credit exposures, market participants can
14 compare apples to apples. You don't get in the
15 problem you had in Europe where you had a
16 situation where some people were reporting one
17 thing and other people were reporting other
18 things. The more standardization we can bring
19 this, because one of the reasons we're doing
20 clearing to begin with is to bring standardization
21 to a non-standard market, an over-the-counter
22 market, to allow customization, but to bring

1 standardization with that. And the only way we
2 can do that is we're all speaking sort of the same
3 language from a market participant standpoint.
4 So, that's just sort of my broad thought, and I'll
5 leave it.

6 MR. OLESKY: Yes, Michael. This is Lee
7 Olesky. I absolutely agree with what you're
8 saying. I think taking some sort of risk-based
9 approach here could work on a number of different
10 levels. So, if you apply a risk-based approach to
11 the instrument, you can start to say okay, well,
12 if it's a certain size risk, it needs more of a
13 delay in terms of time in which it hits the
14 marketplace because if it's between two
15 principles, there's a lot of risk associated with
16 that trade, and if it's made public immediately,
17 it's going to affect the willingness of either of
18 the counterparties to want to enter into that
19 transaction. And, so, that gets sort of to the
20 block issues and trades on the phone versus
21 electronic trade. So, I think the concept though
22 of thinking about things in terms of the risk

1 associated with the instrument and putting things
2 on a common language at delta or something that
3 everyone understands what the risk is associated
4 with it, it's an interest rate swap or whatever it
5 is, I think is a good starting point and would
6 apply to a number of different places in terms of
7 trade reporting and price transparency block
8 rules, et cetera. So, we agree with that.

9 I guess the challenge is we would also
10 advocate trying to keep it as simple as possible,
11 and, so, there's a lot of elements that we
12 certainly applaud with respect to TRACE, where
13 it's a very simple, clear-cut okay, if it's over
14 \$5 million then it applies. I mean, there's a lot
15 of value and simplicity to here. So, we like that
16 idea, too. So, maybe if it's over something, then
17 it's in one category. If it's below something,
18 it's another category.

19 MR. AXILROD: It's Pete Axilrod. I
20 guess I'd like to make a plea for people to be
21 careful with commodities. It's a little bit of a
22 different market than what most people have been

1 talking about. There are delivery points all over
2 the country, there are load- serving entities,
3 many of them all over the country, there are
4 producers all over the country, and if you force
5 people to specify a particular delivery point all
6 the time, people are pretty much going to know
7 who's making those trades. So, whatever you do in
8 terms of what commodities data is reported
9 publicly, you have to leave room for some
10 flexibility in terms of anonymization. So, if the
11 delivery points are too specific, you may never
12 get much anonymizing of trades, but if you allow
13 the geographical area to be expanded or to have
14 some anonymity criteria and perhaps pick the set
15 of delivery points that meets the anonymity
16 criteria, something like that needs to be done. I
17 think if you try to standardize too much in the
18 commodities area exactly what has to be reported,
19 you'll end up either with everybody knowing
20 everything, who's doing what are not terribly much
21 useful reporting. I don't have an answer to that
22 question, but you have to be careful with the

1 commodities reporting.

2 MR. STEINER: Is that an issue for other
3 asset classes, too, or just primarily --

4 MR. AXILROD: I do think it gets to be
5 not in quite the same way because there isn't sort
6 of geography binds the participants and the
7 delivery points, but when you get into anything
8 with a single name underlying, something that's
9 not a commodity in a broad sense, but if you look
10 at credit default swaps, the data we publish,
11 they're really no more than 20 or so
12 non-sovereign, single names that trade more than a
13 handful of times a week. So, if somebody's
14 calling around for prices or doing whatever needs
15 to be done, and, all of a sudden, a trade shows
16 up, even at the end of the day, everyone will know
17 who did it. And especially with long-term buy and
18 hold investors, if exit strategies are important,
19 and to the extent that the market knows who has
20 this stuff, exit strategies become very, very
21 difficult, and that hurts pension funds and things
22 like that. So, I'd be careful there, too.

1 MR. TOFFEY: This is Jim Toffey. You
2 asked about what type of data should be reported
3 in these trades and how it should all work.
4 There's the obvious stuff, trade size amount, and
5 you create rules for how and when that's
6 disseminated. One lynchpin that I think you'll
7 find as you go through this that is fundamental is
8 the reference data, and I think as a customer of a
9 lot of reference data have observed, there is no
10 golden copy, there is no clear standard, and if
11 you're going to create a consolidated tape
12 underneath for the industry, I think the
13 regulators have to take a stronger look at how to
14 clean that up and come up with real standards
15 around the underlying entity and the reference
16 entity so that you can have accurate, consolidated
17 trade reporting.

18 MR. MASTERS: Yes, just to be clear,
19 just to make the point again, I mean, what I'm
20 really talking about, risk-based measures here so
21 that we can -- again, I mean, I understand the
22 point of delivery and so forth. I mean, I get

1 that, but, I mean, what I'm really talking about
2 at a risk level. In other words, if you traded --
3 in a commodity example, I mean, equivocated back
4 to the closet contract, use a listed equivalent
5 where now we can understand it. Because people
6 are already doing that. I mean, dealers are
7 already doing that themselves to get their risk
8 right. And, so, what we're really trying to do is
9 sort of standardize their risk process so that
10 other folks can see that, which gives us more
11 transparency as market participants, and, clearly,
12 regulators need it to certain things that they're
13 required to do under Dot Frank.

14 MR. JOACHIM: This is Steve Joachim.
15 Michael, I think you're right that if the best
16 thing we could do as we're looking at the
17 transparency regime is to find ways to represent
18 evaluations or pricing in a way that the industry
19 can relate to, but I think it's sometimes much
20 less uniform than market participants often find
21 out, and I'll give you an example of that.

22 When we launched TRACE, we looked at

1 little bit is anonymity, and I think we have to
2 recognize that when we're talking about
3 transparent in marketplaces that if we want to
4 pursue the goal of transparency, that trading in
5 transparent markets is different than trading in
6 opaque markets, that you lose some anonymity no
7 matter what happens. There will not be total
8 confidentiality. The examples that Pete talked
9 about are no different than they are in the
10 corporate bond marketplace. We listened to all
11 those concerns, and we monitored them very
12 carefully for the last eight or nine years and
13 have not seen any damage to liquidity as a result
14 of the transparency that's been brought to the
15 marketplace, and, in fact, we see lots of evidence
16 that liquidity has been enhanced as rules of the
17 transparency in marketplace in liquid as well as
18 liquid portions of the marketplace. So, although
19 it is very hard to prove. I don't want to say
20 it's a QED, it's one of those things that's really
21 out there.

22 But I do think that you just have to

1 recognize that it will not be the same market if
2 you have transparency after it than it was before.
3 And I think regulators have to look at, again,
4 those goals that they're trying to establish, and
5 if you achieve the goals you're trying to
6 establish and recognize that there are some
7 changes that will happen, and I think that's one
8 thing that we recognize as we stage implementation
9 of TRACE over a number of years was to get -- the
10 biggest single thing we achieved by doing that was
11 giving people time to adjust, to learn how to
12 trade differently in a different marketplace so
13 they could protect their positions and protect
14 their interest as much as they possibly could.

15 MR. GIDMAN: This is John Gidman. I
16 think one of the major concerns that investors had
17 in the rollout with TRACE was that we would
18 quickly move from price transparency to trade
19 transparency and really affect our overriding goal
20 of being able to get liquidity. And I think the
21 phase in that you referred to was really
22 important, but I think the reasonable delay also

1 is finding the right balance between the goals of
2 real-time dissemination of information and not
3 being so quick as to affect liquidity, which is
4 really our overriding goal.

5 MR. HARRINGTON: So, George Harrington.
6 I think the other thing that we need to consider
7 especially with these products is stepping back
8 and looking at what the difference is between
9 TRACE and treasuries where there's reporting, as
10 well. The fact that these are synthetic products,
11 these are an inventory-based product. There's not
12 a finite amount of a particular bond that's out
13 there, and, therefore, there's physical securities
14 moving back and forth. Because it's a synthetic
15 security, that's really created at the time of
16 execution. That does have a different market
17 dynamic to it, and, therefore, I think Pete's
18 example regarding commodities is something to
19 consider, as well, because there are only certain
20 users or end-users that will actually execute in
21 their weights in the credit markets on certain
22 securities in size and certain securities. And,

1 therefore, the market impact can be much, much
2 greater because of the fact that it's a synthetic
3 underlying, and that should be examined very, very
4 carefully as far as a price efficiency standpoint,
5 and, once again, in the client to dealer and the
6 inter- dealer markets.

7 MR. BLAND: I think I'm going to pick on
8 this point about phase implementation because all
9 the answers to this question depend on how
10 (inaudible) and sort it all out. I mean, I think
11 one of the problems the ACC market has, and I
12 think in one of the earlier panels, we talked
13 about the interest rate market, and you can take
14 vanilla 10-year interest rate swaps. Almost 50
15 percent of those products have something
16 non-standard about them (inaudible) nothing very
17 complicated, but they're just not the straight
18 vanilla trade. That creates enormous problems, I
19 think, on a public tape if like Steve mentioned,
20 people want to back our pricing, then you need to
21 know what that forward start date was and what the
22 additional details were in order to understand the

1 prices being printed.

2 If you take Michael's approach, which I
3 think is a very sensible one, I should say, I
4 actually don't want to know you did a 10-year
5 trade with a forward start date. They want to
6 understand the risk you traded and how that risk
7 was priced. Then that has enormous advantages in
8 terms of normalizing the data across a whole
9 variety of different trading activities, and I
10 think helping more transactions look more
11 transparent, and, therefore, will look more
12 liquid, and, therefore, make transparency a little
13 bit safer.

14 The trouble is, in terms of the
15 timeframes, to do that for everything from
16 interest rate swaps to swaptions to credit trades,
17 credit indices, to equity variance swaps, evidence
18 else that we need to cover, that's an enormous
19 undertaking to get everyone to agree how to do
20 that. Steve struggled on U.S. corporate bonds,
21 which are pretty straightforward by comparison.
22 I'm sure he has some good people working on it.

1 That's a multi-year effort. So, I think some of
2 it says that the right solution, and is this
3 solution going to be practical in the timeframe, I
4 think a little bit depends on how much we're
5 trying to achieve, how quickly, and on what range
6 of products?

7 MR. AXILROD: This is Pete Axilrod. If I
8 could jus add to what Jeff said and tie it back to
9 the original point, what I would take back from
10 that to answer the question how much data should
11 be put out there, I take it from an implication
12 from what Jeff was saying, is most of the trade
13 details that you would need to confirm a trade
14 that have to do with pricing, and that's a lot of
15 them. It's more than people think, as Jeff
16 pointed out. Probably ought to be out there, or,
17 otherwise, people won't know what to make of the
18 price and make take the wrong lesson from it. So,
19 again, this is something where I would err on the
20 side of providing more details. It doesn't hurt
21 anybody to have details. If it takes 30 fields to
22 confirm a trade, it may not hurt everybody to see

1 all 30 fields or all 60 fields. They can pick out
2 the ones they want to pay attention to, but if you
3 err on the other side, people will start getting
4 upset because they'll think something means
5 something that it doesn't. So, I guess to start,
6 I would err on the side of more fields rather than
7 less and work it back from there.

8 MR. STEINER: Just a follow-up on that
9 point, specifically for bilateral transaction
10 where the price could have other things,
11 collateral, credit, worthiness of a counterparty,
12 specifically what types of fields would capture
13 that as to still ensure the anonymity of the
14 counterparties, but, yet, provide some valuable
15 data?

16 MR. AXILROD: Well, I mean, you put your
17 finger on something, which is in the bilateral
18 world or even in a cleared world where the CCP
19 doesn't have to take the trade, which probably is
20 the way a lot of this is starting out, if there's
21 a moment in time when something isn't clear,
22 you're taking a counterparty risk for no matter

1 how long, part of the price is going to have a
2 credit component, and that's just going to be
3 very, very hard to understand that part of the
4 price.

5 MR. BLAND: Yes, I mean you're certainly
6 going to get a variation because of
7 counterparties. Unavoidable, it's a natural part
8 of the market, and I was talking to (inaudible)
9 one of the dealers last week, and he was saying
10 he's going to price differently depending on which
11 CCP the counterparty uses, not on a systemic basis
12 because he prefers one over the other, but said
13 when he takes a specific trade, he puts it into
14 one CCP or reduces initial (inaudible) offsetting
15 risk. He puts it into the CCP, it's going to
16 increase it. He's going to price differently
17 based on that decision, and the very next trade,
18 he may take the opposite decision about which is
19 the more cost- effective CCP.

20 So, you are going to get variation
21 because of counterparty, and I think that's
22 unavoidable. I think to try and model who they

1 were trading with, why they took that decision,
2 it's just not practical. I think the sums of
3 marginal (inaudible) we're all going to have to
4 live with on these prices.

5 MR. MASTERS: And I would just say that,
6 again, going back to the whole -- this is where I
7 think the pre and post-rate regime is so
8 important. I mean, post-trade, we're seeing a lot
9 of stuff that we're not seeing pre-trade. So,
10 there's things that I have access to as a market
11 participant post-trade that I don't have access to
12 pre-trade, and, again, transparency -- Steve made
13 this point. I mean, if you want a transparent
14 market, you give up some opacity. That's just the
15 nature of it, and I think that we went through a
16 situation where we even decided collectively that
17 we'd like more transparency in our markets. And,
18 so, yes, there is an issue, but, again,
19 post-trade, there's a lot of stuff that can be
20 done reporting-wise and so forth. I have a pretty
21 good idea if someone's trading in jet fuel swap
22 that it's an airline.

1 (Laughter) I mean, maybe it's not, but, at the end
2 of the day, I'd like to see that converted into
3 its notional equivalence just so I can say okay,
4 well, that means X for heating oil and so forth,
5 and I'd break it on down. And I know the dealer
6 is doing that anyway. And, so, that's the whole
7 idea.

8 MR. JOACHIM: This is Steve Joachim
9 again. I am trying to remember.

10 And one thing that Pete said though I
11 think I have to respectfully disagree you with on,
12 I actually think that you have to be very careful
13 what you put out there. And more is not always
14 better because once you put it out on the
15 marketplace, you can't stop disseminating it. So,
16 once it's made transparent, it is transparent
17 forever. I guess you could always say you could
18 always change your mind, but it's pretty hard once
19 you've put out pieces of information that you're
20 going to try to collect it or stop disseminating
21 it at a later point in time. So, I think we
22 really have to think very carefully at what we're

1 doing, and, again, I think staging is a good
2 process. I think you want to err on the side of
3 transparency if you can, but I think you have to
4 be very, very cautious how you approach it and be
5 sure you think through what people are going to do
6 with each data element, why they need it, and it
7 really will provide value because too much
8 information can be a negative, also.

9 MR. AXILROD: Yes, I take your point on
10 that. Thanks.

11 MR. GIDMAN: Yes, this is John Gidman.
12 I think if you err, you do want to err on the side
13 of greater transparency. There's certainly an
14 issue that I think the staging component, as
15 you've described it, or aggregation, as it's
16 previously been described, it's critical that
17 you're able to get a holistic view of the market.
18 The danger that I could see happening is in
19 fragmentation of the market and the rush to
20 provide real-time information, you actually have
21 misleading, substantially-overstated or
22 understated information, which, in fact, doesn't

1 serve the public interest.

2 MR. BLAND: Yes, I'll echo Steve and
3 John here and also add that the more fields you
4 add to public reporting, the more complex it's
5 going to be for the aggregator itself, whether
6 it's a clearinghouse exchange or the CFTC. It's
7 something to think about. It adds an additional
8 level of complexity and actual technical
9 underpinnings of this reporting.

10 MR. GOOCH: There's probably one other
11 thing we've not talked about, sorry Jeff Gooch, is
12 what types of transactions should get reported at
13 all? And I think people talk a lot about large
14 transactions, and there's a panel on that later
15 on, so, we won't talk about that, but, also, a lot
16 of transactions that exist in the marketplace are
17 not price-forming events.
18 In the credit market, I think almost half of all
19 transactions are not price-forming events. Either
20 compression runs that reduce the size of their
21 portfolio, innovations to clearinghouses on new trades
22 or back-loaded trades. There's an awful lot of

1 information out there which can just be confusing for
2 the public, and the first thing to do is work at how
3 to actually sift that stuff out.

4 I think the other thing is where in our price
5 disclosure you pick up the transactions? For example,
6 in client business for fund managers, most will break
7 them down into sub-allocations. Is it useful to know
8 that there's 50 allocations and \$1.5 million each or
9 do you need to know it's a \$75 million trade done at a
10 particular price?

11 I think in most cases, the public information should
12 be the \$75 million number, not the 50 times \$1.5
13 million number. And that causes a problem in a number
14 of OTC markets, where they look more liquid now
15 because people see the allocations rather than the
16 blocks. So, I think this needs a little bit of
17 thought around where in the process flow you pick
18 things up and how you bring those things together.
19 You don't want a situation where the trading platform
20 reports and the CCP reports or the SDR reports and the
21 confident-provider reports. We need to make sure that
22 the work we've done, you're bulletproof against double

1 counting or missing a trade, and, also, you missed the
2 right trades in terms of ones that should be going out
3 to the public.

4 MR. JOACHIM: I couldn't agree with you
5 more, Jeff, in terms of a lot of the things you
6 just said.

7 A couple of things I think that you hit
8 on that I think that I want to emphasize. One is
9 accountability, for getting the data accurately to
10 you is a critical issue. I think you have to find
11 who are the critical parties, and, my person
12 belief, it's the counterparties have to be owners
13 of that. The mechanics of how that information
14 gets from the counterparty to you could be in many
15 different ways, but, ultimately, the
16 counterparties have to own the quality of the
17 information that gets to you. They may have an
18 agency deliver it to you to make it as an
19 efficient as possible. We've talked before, and I
20 think that works great, but I think you have to be
21 sure that you have the proper accountability so
22 that you can identify the accuracy of the

1 information overall.

2 I think that you have to very careful
3 about the information once you get it, and I think
4 Jeff is right, is that you do need to be able to
5 filter what you put out in the marketplace. But I
6 think whoever the aggregator is needs to have
7 everything, and that aggregator has to make those
8 decisions because if you have 1,000 different
9 points making 1,000 different judgments, no matter
10 how good your rules are, those judgments are going
11 to be inconsistent, and you're not going to be
12 quite sure what you get. So, you'd be a whole lot
13 better off I think as you approach this as having
14 whoever that aggregator is, whatever that entity
15 is is collecting information, filter out the
16 information that you don't want to have, and, from
17 a regulatory perspective, I think the regulator
18 needs to see everything in its raw form to be able
19 to manage and oversee the marketplace effectively.
20 And you may put out some re- information or
21 benchmark information or risk-based information,
22 but the aggregator itself can create that

1 information for you.

2 MR. SHILTS: Okay, I think we'll move on
3 to the next --

4 MR. LEAHY: Not yet. (Laughter)

5 MR. SHILTS: Go ahead.

6 MR. LEAHY: Well, who should an
7 "aggregator" be?

8 MR. BLAND: ICE.

9 MR. LEAHY: I mean, what we're hearing
10 is we should have an aggregator. Yes, ICE. We
11 should have an aggregator. I'm hearing that we
12 should avoid fragmentation, and I think on one
13 day, I don't think we can have it a single
14 aggregator yet. So, how do we mitigate the
15 effects of fragmentation when these rules go into
16 effect?

17 MR. MASTERS: I would just go back to
18 the same point. I mean, if you're going to
19 establish an aggregator, and this is Mike Masters.
20 Sorry. If there's multiple aggregators or there's
21 one aggregator, whatever, we all speak English, we
22 all speak the same language. It doesn't mean we

1 have to know the whole dictionary, but we have to
2 know certain phraseology so that we can
3 communicate with each other, so we can communicate
4 with the regulators, and so we can communicate
5 with different market participants. So, in my
6 view, there has to be some standardization of the
7 terminology and whatnot, and I think that comes
8 from the regulator.

9 In other words, the regulator says if
10 you want to say things a certain way, you say them
11 this way, in this phraseology, and then there's no
12 debate. Someone initially, I mean, we're in a
13 democracy, but, in this case, with
14 standardization, someone has to say something,
15 this is how it's going to be at first, and then we
16 can all do what we need to do. And, of course,
17 that's with input from our participants and so
18 forth. I mean, it does have input, but there has
19 to be an initial force it's X, Y, and Z, and this
20 is how we say it.

21 MR. STEINER: Are you talking
22 standardization across asset classes or within

1 asset classes?

2 MR. MASTERS: I'm saying, well, there'd
3 be some of both. I mean, I think across asset
4 classes, there needs to be a risk space
5 standardization in terms of convert everything
6 into a delta equivalent. In terms of the nearest
7 listed delta equivalent. So, if we're trading
8 apples, we can -- and, in some cases, you're not
9 going to be able to do that, and you come up with
10 some other regime, but, in many cases, most swaps,
11 you're going to be able to convert them based on
12 the (inaudible).

13 With regard to specific asset classes, I
14 mean, obviously, reporting for commodity swaps is
15 going to be different from interest rate swaps.

16 MR. GIDMAN: The comment was raised
17 about who should the aggregator be? I think it's
18 clear that the facility that provides market-wide
19 views needs to be one that doesn't pick winners
20 and losers among market participants. I think
21 market participants large and small, the public
22 interest, and objectives of regulators are

1 well-served by very open access to all the
2 information that's in that repository.

3 MR. BLAND: So, following-up on that and
4 the panels this morning, I mean, SDRs would be a
5 logical candidate to provide reporting based on
6 the model that you've outlined, and thinking about
7 it both from a business perspective and in a
8 systematic risk perspective, they have all the
9 data. There was a consensus of running it more
10 like a cost plus utility, which is consistent
11 about going into reporting.

12 In terms of standardization, I
13 absolutely agree there should be standardization,
14 but, I mean, we could do this in an afternoon.
15 It's not that hard. You do fix and FpML. The
16 language exists, and you create the tags, and
17 you're done. It's not that hard.

18 MR. JOACHIM: Yes, I agree with what Jim
19 just said, is that -- this is Steve Joachim again.
20 Is I think the mechanical problem isn't the
21 problem. The problem is getting the
22 infrastructure in place to do this and do it

1 consistently, and I think what I heard everybody
2 saying, and I kind of agree with, is that I think
3 the regulator has to own -- you need a neutral
4 party in the middle that needs to own this process
5 that has the authority to make the rules and has
6 the enforcement, the muscle to ensure that people
7 follow the rules of reporting. The technology
8 that's required to get the data into one place and
9 out is easy. It's all the other pieces of that
10 that are hard to do.

11 MR. SHILTS: What do you mean the
12 technology is "easy?" You mean it wouldn't take
13 long to implement, or what do you mean by that?

14 MR. JOACHIM: Well, the technology
15 itself, there's a lot of technology in the
16 marketplace today that, quite frankly, the volumes
17 you're talking about here are not high. You might
18 think they are, but look at the equity markets.
19 Equity markets are multiples of these volumes on a
20 daily basis. So, the technology for collecting,
21 aggregating, and disseminating the data, assuming
22 you're going to use -- current infrastructures are

1 in place, use market data vendors to put it out
2 there, but. just as an aggregator, there are
3 plenty of technologies that can allow that to work
4 pretty efficiently.

5 There's work to be done. It doesn't
6 mean it can get done tomorrow. There's work, but
7 the real heavy lifting gets done around the rules,
8 ensuring that the rules of what gets reported and
9 how it gets reported is consistent and equally
10 well understood.

11 And I'll give you an example of what I
12 mean. We're going through now at FINRA plans to
13 just collect securitized property information,
14 asset-backed and mortgage-back information the
15 first half of next year, February 14 is the date
16 that we're focused on. And a great analogy of
17 looking at securitized property, which probably is
18 very parallel to the structure we're looking at
19 here, was the guy who actually runs TRACE is a guy
20 named Olen Person, who said to me that -- he's
21 Swedish, and he looking at securitized property as
22 compared to corporate bonds is like looking at

1 German versus looking at French. And I said, what
2 do you mean? He said, well, I'm European, so, I
3 look at things differently than you probably do.
4 But in German, there are 1 million rules and 1
5 exception, and in French, there is 1 rule and 1
6 million exceptions, and that's much more like what
7 asset-back and mortgage-backed securities are
8 like, and I think that's very much what this is
9 going to be about is defining the rules of what
10 gets reported, how it gets reported, what do you
11 mean by an execution time, what price is it,
12 what's the delta, what are those elements? That's
13 where the heavy lifting -- and the time to build
14 the technology infrastructure to get that done is
15 much smaller than it is the time to define how you
16 want people to do it and report it, and I think
17 that's what we're talking about.

18 MR. HARRINGTON: This is George
19 Harrington. So, Richard, I think to your question
20 regarding the technology and not being hard, per
21 se, I mean, I think there's a number of firms
22 represented here around the table who are really

1 networking firms, so, we connect counterparties,
2 we connect clearinghouses, we connect a lot of
3 different providers. So, I think that the
4 connectivity is there.

5 What seems most logical to us is that if
6 we're looking at these swap data facilities
7 that'll be created and they will gain clearance
8 from the commissions to actually act in that role,
9 is somewhere in the back of that process is where
10 you would actually get the data. I think because
11 of the nature of these markets where (inaudible)
12 execution doesn't occur until the actual
13 counterparties are known, that's when the clearing
14 process would start. Then the trade actually
15 clears, and then you actually have a trade that
16 would go to an SDF or, if it's traditional, OTC
17 would go through some sort of SDF-like process,
18 where you actually have known information that you
19 could take.

20 Off the back of that, and I think Jim's
21 right, the market standards are there. We all at
22 our firms work in protocols that are relatively

1 standard, but there's obviously differences among
2 them, but the ability is there to take multiple
3 feeds. If there is an ace, a designated
4 aggregator, to take multiple feeds and commingle
5 those and actually come up with what a picture of
6 the feed looks like. So, I think that it's not at
7 trivial effort. It's obviously something that
8 would be done, but I think because of the networks
9 that exist in the market today, I think that the
10 ability is there to deliver.

11 MR. OLESKY: Lee Olesky. The other
12 thing maybe to keep in mind here is the rest of
13 the rules are going to be coming out, and the
14 categories that are being established with respect
15 to SEF, what's a standardized contract, and
16 between the SEFs and exchanges, it looks like a
17 lot of the activity is going to run through these
18 vehicles electronically. So, if a lot more
19 derivative activity that's going to be running
20 through SEFs, whatever they may be, exchanges, and
21 these vehicles will capture this information and
22 this content because the very nature of what

1 they're doing is they're matching counterparties
2 with enough detail and information to establish a
3 trade. We're doing that today in interest rate
4 swaps and credit default swaps. So, and that's
5 contemporaneous. Boom, that happens, a match
6 happens, there's enough content that's exchanged
7 between the two parties for a binding transaction
8 to occur. That data then gets routed, as George
9 said, as everyone's been saying, we all have
10 networks. Boom, we can send it to a clearing
11 corp, we can send it to a depository, we can send
12 it anywhere instantaneously effectively with
13 enough information to establish what the trade
14 was, which, in theory, should be around enough
15 information to be a part of this whole
16 transparency process.

17 And in terms of the technical languages,
18 I agree. I think that that's something that can
19 be sorted out very, very quickly. But the
20 content, capturing the content and the actual
21 trade is going to start to occur as we read things
22 in SEFs and exchanges. More and more of the

1 market is going to be -- and that's probably the
2 part to focus on first: What's standardized?
3 What's in there? What's going to be captured
4 there, and focus on that as a starting point for
5 building things.

6 MR. BLAND: Yes, this definitely isn't a
7 technology issue in a sense. I mean, you just
8 look at the markets (inaudible) we probably have
9 90 percent of the whole U.S. market on (inaudible)
10 electronically and (inaudible) in the system. So,
11 in that sense, yes, it's all captured, 47 percent
12 missing that would need to get fixed somehow. But
13 the data is there and can be more accessible in a
14 reasonable and timely basis. But the real
15 challenge is which subset of that data is actually
16 wanted, and, again, what kind of delays and what
17 kind of structure? Because dumping entire
18 database out to the public, it's just going to be
19 pointless in terms of information content. So, I
20 think I have to agree, the much bigger challenge
21 is who.

22 Secondly, my impression, going around

1 the table, is not surprising. There are lots of
2 people who want to publish this information. I
3 suppose lots of people are going to publish the
4 information and probably shouldn't be stopped from
5 doing that. The question is: How do you deal
6 with the duplication, and does there need to be
7 like an official non (inaudible) feed of data
8 which doesn't stop everyone else publishing what
9 they have got (inaudible) back to their users if
10 that's useful. But I don't think we should
11 prevent them from using their own data.

12 MR. JOACHIM: I think the one place that
13 we do have to ask a careful question about though
14 is, depending on the timeliness of reporting
15 requirement, we listened to the conversation this
16 morning. I think the SDRs were not really
17 thinking about close to real-time reporting. I
18 mean, there was some discussion around that, but
19 there was some concern around it. So, if we are
20 talking about a real-time reporting regime, there
21 may need to be automation much more at the point
22 of sale or the point of transaction than exists

1 today, and that is a stage process that does take
2 time to put in place. But I think what we're
3 talking about here is this is an essential
4 infrastructure required to move it from the point
5 of execution to the point of actually
6 dissemination, where it gets into the hands of
7 investors is the infrastructure is mostly in place
8 in the U.S., certainly.

9 MR. BLAND: This is Trabue Bland with
10 ISA. Just (inaudible) this and it's a topic for
11 tomorrow's panel, but it's going to be critically
12 important at least from a clearinghouse
13 perspective to know what a SEF is, and the closer
14 that SEF is, and it looks to an exchange, the
15 easier it is for the clearinghouse to receive data
16 in a consistent format and a consistent time, too.

17 MR. BERNARDO: It's Shawn Bernardo.
18 Just on the back of what you just said, we do want
19 to have open access to that clearinghouse. We
20 want it non-discriminatory, as it's written in the
21 legislation currently. So, we don't want the
22 clearinghouse, who may also own a trading venue,

1 to be able to discriminate.

2 MR. GIDMAN: That's absolutely correct.
3 I mean, if the trades have to go through a
4 clearinghouse, all market participants should find
5 access to that market directly.

6 MR. AXILROD: This is Pete Axilrod. I
7 just wanted to clarify one thing. Not our equity
8 repository, but our credit repository does update
9 positions in real time, assuming we get the trades
10 close to point of trade. So, the trick is, right
11 now, the infrastructure's in place. If we can get
12 the trade data quickly, then all the position data
13 will update in real time, and, in theory, whatever
14 part people wanted to be disseminated publicly
15 could be.

16 MR. COOK: Just a question. How
17 important is it that everyone has access to the
18 information at the same time, whatever the
19 aggregated information is, how high should that be
20 on our ranking of first order priorities when
21 we're designing this system?

22 MR. GOOCH: I think that needs to be

1 very high up.

2 MR. GIDMAN: I think it should be among
3 the highest priorities. If information delayed is
4 information access differed, by that nature, it
5 picks winners and losers in the market.

6 MR. COOK: And I want to hear from
7 others on that, too, but, also, what do you think
8 will be the biggest challenges to achieving that
9 goal, would be helpful to hear, as well.

10 MR. HARRINGTON: This is George from
11 Bloomberg. I think that for end-user community on
12 the buy side and the sell side, as long as the
13 access point is direct, in other words, we have
14 the ability to go directly to the CCP, the SDF,
15 whoever the ultimate designed aggregator or the
16 multiple aggregators that we have the ability to
17 access directly in real-time, I think that that
18 will satisfy that, and I think that, also, it
19 really would be good for the competitive
20 environment and it will inspire innovation. So,
21 obviously, our firm and firms represented around
22 the table will work very hard to deliver a

1 value-added solution to our customers, whether
2 it's single or multiple, as long as we're not put
3 in an encumbered point where we can't get directly
4 into the data and deliver it back to our
5 end-users, I think we're very comfortable that we
6 can compete, and, also, very comfortable that
7 they'll be a lot of good solutions that the market
8 will innovate towards in that environment.

9 MR. GOOCH: Yes, I think it is very
10 important that whoever puts the data out gets it
11 to all participants at the same time. If they're
12 going to go by market data, vendors like
13 Bloomberg, Markit, or Reuters, or whether they're
14 going to go onto the trading (inaudible) at the
15 SEF or onto the CCP screen or wherever they're
16 going to go, they should be advantaged by choosing
17 one method over the other. I think that's one of
18 the risks here, is you're going to get
19 information, a delay advantage by going directly
20 to a source being on the trading screen, for
21 example, versus on a market data vendor. So,
22 people will add value that was entered in

1 different ways, and that's understandable, but,
2 yes, the time (inaudible) available at the same
3 point in time to everybody. And, technically,
4 that's quite challenging. It's doable, and lots
5 of markets do it, but it's not something that
6 happens automatically.

7 MR. COOK: Are you saying one of the
8 risks is that the market participants would get it
9 before it got to the aggregator?

10 MR. GOOCH: There's potentially a risk
11 if you're sourcing -- I'll make an example up, say
12 one of the SEFs is going to publish a big chunk of
13 the data, you don't want a situation where going
14 to the SEF's own screen gets you the data faster
15 than going to the public access data on that
16 piece. A pre-trade, that might be different, but
17 in post-trade, you want to feel like wherever
18 you're running your analytics, whichever vendor
19 you've chosen to do that, you're on a level
20 playing field.

21 MR. TOFFEY: Yes, I agree with Jeff in
22 terms of market structure. Regardless of where

1 you do the trade, that aggregator needs to display
2 that trade back out through all channels,
3 Bloomberg, Markit. I mean, the technology does
4 exist, and it's a little hard, but it's very
5 doable, and then you have a completely level
6 playing field for all investors, and I think
7 that's the right way to go.

8 MR. OLESKY: I'd just make one comment.
9 And, Jeff, you alluded to this. I think there is
10 a difference here between pre-trade and post-trade
11 information. So, pre-trade, I absolutely agree,
12 everyone should have equal access, direct access.
13 That should not be a competitive issue. It's
14 critical that we can all get into the same flow at
15 the same time. Pre-trade, it should be up to the
16 individual platform, and, in my opinion, because
17 that's part of price formation, so, for our
18 business at TradeWeb, we're showing bids and
19 offers on our screen. We have to be able to show
20 those business offers to our customers or we don't
21 have a business, and we can't broadcast that to
22 the whole world.

1 So, in terms of price formation and the
2 actual trade occurring, and a sort of pre-trade
3 part, I think that should be up to the individual
4 entity, whether it's a SEF or an exchange or
5 whatever it is, post-trade, we want to have equal
6 access, and similar to the access of the clearing
7 corps, we should all be -- not a competitive point
8 for any one entity that owns that function,
9 whether it's central clearing or it's a repository
10 for the information.

11 MR. HARRINGTON: I just want to make one
12 more point. Sorry, George from Bloomberg again.
13 Another key point I think that can really sort of
14 assure that the goals that we're all talking about
15 (inaudible) happens is regarding the independence.
16 So, if you do have a designated aggregator or if
17 you have a designated group of aggregators, if
18 independence is a key tenet, and, of course, part
19 of the legislation calls for that anyways, but as
20 long as there's no favoritism involved in that
21 process, and, therefore, while it's part of the
22 role you don't even introduce a specter of having

1 non-independence, and, therefore, not fair access
2 and dissemination of the data.

3 MR. GIDMAN: And this actually goes back
4 to the previous roundtable, which discussed some
5 of the tensions of governance, and a lot of the
6 thread from this morning, it's really all the same
7 issue.

8 MR. MASTERS: I'd just make one final
9 point. I mean, this goes to the whole idea of HFT
10 and co-location, which I know the agency is very
11 sensitive about right now, and that is even having
12 this data a millisecond before someone else,
13 there's a potential for a lot of problems. So,
14 we've sort of been there and done that, and we've
15 got the opportunity to create a new marketplace
16 without those issues. We should try to do that,
17 just sort of the last point on it.

18 MR. SHILTS: I'm going to move on to
19 some of the other topics.

20 MR. GAW: I want to return to a point
21 that Steve raised a few minutes ago, which is:
22 What is real time? We're talking a lot about how

1 to construct a system for real-time dissemination
2 of trades and swaps and security- based swaps, and
3 we haven't talked about what this very key term
4 means. So, the Dot Frank Act puts a bit of a
5 gloss on it. It says that real-time public
6 dissemination has to be made as soon as
7 technologically practicable after the time of
8 execution. So, I invite the panelists' views on
9 what "real time" means.

10 MR. GIDMAN: I wouldn't want to
11 legislate it. (Laughter) It used to be real-time
12 was T + 3. (Laughter)

13 MR. MASTERS: I'm not going to try to
14 necessarily answer the question directly.
15 (Laughter) But I'll give a version.

16 So, the reason that I was trying to make
17 the point earlier about everyone speaking English
18 is that to report from different SEFs and other
19 places, there has to be a common language, a
20 common thread so that the data can be synched, so
21 all that data can be synched, so then, as soon as
22 the data is synched into some standardized format,

1 then the data can be released. But if even if
2 it's reported in real time, and let's say the risk
3 of the position wasn't reported, while all I have
4 to do is take my calculator out, I can figure out
5 the risk before someone else does, and I can do
6 the hedging or whatever. So, I mean, to a certain
7 extent, I would assume, and I'm making this
8 assumption, but I assume this is going to be sort
9 of like the ways people used to do the block
10 trades with equities where you would go Autax -- I
11 don't know if Autax exists anymore. But, any
12 rate, you would go to one of these vendors, and
13 you'd see an advertisement, and, of course, you
14 don't know if they're real or whatever. But, I
15 mean, everybody's fishing, but the pre-trade, you
16 would go and you do the trade. You would do the
17 trade upstairs, and as soon as the trade was done,
18 you would print the trade on the floor.

19 In this case, we'd be printing it over
20 the counter in some synched, universal fashion.
21 As soon as the trade's done, it's done. Now, does
22 that mean everyone has done their hedge already

1 and whatnot? I mean, I don't know, but I would
2 assume that they did in many cases because someone
3 has to print the trade, and I think there's some
4 discretion there.

5 MR. OLESKY: Yes, I think, Michael,
6 you're raising a critical point which gets the
7 variety of different risks associated with
8 different instruments when we're talking about
9 derivatives, and, in a principle-based market when
10 one counterparty is doing trade with another
11 counterparty, the more risk associated with that
12 trade, meaning the fewer natural holders there are
13 of that trade, the longer it takes for the person
14 or the entity to hedge that exposure from having
15 made the commitment to provide liquidity, the
16 greater they're going to be at risk if that comes
17 out quicker. And, so, it really does get to real
18 time, I think, should be correlated to the type of
19 transaction it is, and it gets to the block rules
20 and it gets to the timeliness of real time really
21 should protect the ability for risk-takers to
22 actually extend and take on that risk of a

1 transaction with sufficient time to hedge the
2 transaction. Otherwise, what we'll end up with is
3 they won't do that, although, price it in, and,
4 so, you won't have entities willing to commit the
5 capital to take the risk or they'll price it in
6 significantly because they run the chance that
7 they're going to have to have a harder time
8 hedging their position because something becomes
9 immediately public.

10 And, so, I think that is the balance
11 here, and I think it's very much, I think, tied to
12 the type of instrument we're dealing with, and
13 it's hard to be universal and say it's the same
14 for everything.

15 MR. GOOCH: Yes, I'd agree with that. I
16 think part of the problem is the conversations are
17 in so many different markets all at once,
18 commodities to equities to raise the credit, and
19 it's very hard to draw a black and white rule that
20 applies to all of those markets.

21 I think from a technology perspective,
22 the vanilla interest rate trades, for example, I

1 think it was mentioned on the earlier panels here,
2 we pick out within eight minutes of execution, on
3 average, so, you could say a TRACE-type
4 functionality would work, but this issue about the
5 interplay with how quickly those trades are
6 re-hedged is important. So, I think they ought to
7 look at not so much the technology of grabbing the
8 data or making it available, but the technology of
9 taking the risk and removing the risk and saying
10 it's safe to print out.

11 MR. BERNARDO: It's Shawn Bernardo.
12 From the brokers' perspective, however you tell us
13 to send those straight to you, whatever the
14 timeframe is, we're able to do that, whether it's
15 done voice, whether it's done electronic, or
16 whether it's done hybrid. So, we'll accommodate
17 whatever you come out with as far as regulations.

18 MR. GOOCH: And from ICE's perspective,
19 I mean, it would be a millisecond or microsecond.
20 So, this should be (inaudible) from ICE. So, as
21 soon as technologically practicable, that's the
22 way we read it.

1 MR. HARRINGTON: George from Bloomberg.
2 I just want to reiterate because of the products,
3 and we were intimately involved when we started
4 clearing of CDS back in December of last year,
5 because of the nature of the product, I think you
6 really need to look at sort of the lifecycle
7 before a trade has actually occurred, and it goes
8 also back to the sort of the misinformation
9 standpoint, and we don't want to be publishing
10 about a trade just occurred when it's still stuck
11 with the DCM someplace, who's considering whether
12 or not to accept the trade, and then the trade may
13 fall back into and OTC process or the trade will
14 break and will fail. So, I think we just need to
15 be very careful of misinformation in the market,
16 and, therefore, while there's a tacit agreement
17 that a trade is going to take place, there are a
18 number of steps to get to before you actually have
19 a legally-binding transaction.

20 So, I think walking through some steps
21 in the process will be helpful as far as
22 determining when real time actually is, and, for

1 my experience, it's not necessarily when the
2 counterparties are on the phone or when they're
3 on the screen.

4 MR. GIDMAN: This is John Gidman. I
5 just want to agree with Lee's point earlier. The
6 tension between a noble desire for real-time
7 dissemination of data and the potential impact of
8 substantially harming market liquidity and
9 operation is real.

10 MR. OLESKY: And the equity markets were
11 facing it today. I mean, this is the issue of
12 will someone commit? As I said, our average trade
13 size and interest rate swaps is \$40 million.
14 That's small. It can be a lot larger, and I know
15 we're talking about block rules later, but this is
16 a real issue across every single market, and it
17 gets to the characteristics of the marketplace
18 itself. Are there a lot of users? Are there a
19 lot of transactions? Is this the type of
20 transaction where there are only 10 firms out
21 there that are willing to take the risk of an
22 emerging market, CDS, single name?

1 There are only 10 guys who do that who
2 will hold that risk, and if there's a certain size
3 trade that occurs, everyone's going to know who it
4 is and everyone's going to know what happened.
5 It's less likely those counterparties are going to
6 be willing to commit to the risk of that trade.
7 And, so, that is a real challenge, and I think it
8 needs to be framed by the characteristics of the
9 market. How many end-users are there? How
10 frequently does the instrument trade? What is the
11 delta associated with it? What is the risk size
12 of the trade, the risk characteristics of the
13 trade?

14 MR. COOK: Some of the points that are
15 being made echo a little bit back to the
16 discussions around TRACE, real time, and what does
17 it do for liquidity. And, Steve, I wanted to
18 invite you to jump in a little bit on what your
19 experience has been as you've had a chance to kind
20 of test some of those arguments in that market,
21 which understandably may be a different market.

22 MR. JOACHIM: Yes, we've studied the

1 impact of TRACE in the marketplace in as many ways
2 as we can. In fact, we invite market participants
3 to come to us, and we have over the last nine
4 years, to come raise issues with us so that we
5 could investigate them empirically and discover
6 whether there was any validity to the concern
7 because the last thing we'll do is do damage to
8 the marketplace overall.

9 And factually based, of all the concerns
10 that people raise in the last nine years, not one
11 has played out as being valid, where we could
12 empirically show that there was damage to
13 liquidity or damage to the marketplace from
14 (inaudible) a transparent marketplace. Probably
15 the most prominent one was when the credit crisis
16 took place. A number of market participants came
17 to us and said we think that TRACE is exacerbating
18 the liquidity crisis in the marketplace, that
19 there was liquidity in the marketplace and that
20 people are not trading corporates because they say
21 the prices are transparent, and there's enough
22 liquidity there, and it's getting worse.

1 So, we actually had a perfect
2 experiment. We had 144A issues, which we do not
3 disseminate, but we collect the transactions on,
4 and compared the change in liquidity between 144A
5 transactions and the publicly-disseminated portion
6 of the marketplace, and exactly the (inaudible)
7 was happening, that liquidity was actually holding
8 up much better in a publicly-disseminated portion
9 of the marketplace and dramatically different. It
10 was the publicly-disseminated portion of the
11 marketplace that declined about 80 percent year
12 over year versus the 144a market had declined
13 about 45 percent.

14 So, now, there are a lot of differences
15 between those markets, so it's not, again, QED,
16 but there was just no evidence that supported
17 those concerns, and, in fact, what I would say is,
18 in general, as we look at the history of TRACE and
19 looked at what people believed would happen prior
20 to the launch of TRACE and what did happen, there
21 were dramatic differences, and I think largely
22 because people just didn't understand. They don't

1 know, and when you change a market from it's
2 operating in one direction to operating in a very
3 different environment, there's no question that
4 transparent marketplaces are very different, and
5 it takes market participants time to adjust to
6 learn how to operate in those markets.

7 But we just have not been able to find
8 any concrete negative evidence of effect in the
9 marketplace, and, in fact, we found positive
10 incident. One study was done that looked at marks
11 to market in mutual fund portfolios prior to the
12 launch of TRACE after the launch of TRACE, and
13 found a dramatic reduction in the dispersion of
14 those marks in people's portfolios afterwards.
15 So, even though people don't depend on TRACE
16 purely as an evaluation tool, it is one data
17 point, but by having post-trade transparency,
18 it'll have the effect of narrowing and making
19 those marks much more consistent in the
20 marketplace, which, in retrospect, probably would
21 have been incredibly valuable and probably was
22 incredibly valuable during the credit crisis.

1 MR. TOFFEY: I think there's just one
2 other component to also add. Obviously, there's
3 discussion and debate about transparency versus
4 liquidity and the tradeoff, and Steve's point are
5 valid. There's also the point about best
6 execution and fairness to all investors, and a
7 more transparent market always will lead to a
8 better best execution market for all investors.

9 MR. OLESKY: I think also with TRACE, I
10 mean, we support TRACE as a structure for doing
11 things. I think the devil is in the detail with
12 these things, and one of, I think, the good
13 characteristics of TRACE that has helped stop it
14 from being a problem with respect to liquidity is
15 the fact that over certain sized transaction,
16 you're not putting the specific number and the
17 size of the transaction, and I would encourage
18 looking at things like that as ways of limiting
19 the risk to liquidity, and it's those details that
20 are so, so critical, and it's different by each
21 instrument, and I'm sure TRACE would be a very
22 good model for looking at how to do this in the

1 derivative space, but applying the unique
2 characteristics of the derivatives markets and
3 each of the different instruments into that kind
4 of concept, just so I can clarify.

5 MR. JOACHIM: And just to clarify for
6 people that don't know is that when we disseminate
7 the transactions in TRACE, we cap certain sized
8 transactions. So, if it's an investment grade
9 bond and it's over \$5 million, we just post it as
10 \$5 million plus. I think we look at this
11 periodically, and is the right threshold, is it
12 the wrong threshold, should it be higher, and
13 whether that's the right threshold long-term or
14 not is a question mark, but the concept is a good
15 concept. And we do look at the largest
16 transactions because one of the things we were
17 concerned about was that one of the things we
18 heard consistently from the industry was that
19 large pieces wouldn't trade anymore, that the
20 trades wouldn't get done. We know from talking to
21 people that they're done differently than they
22 were prior to the launch of TRACE. They tend to

1 be done over a longer period of time, that people
2 get them all done, but actually the percentage of
3 transactions that are done over \$25 million as a
4 percentage of the trades over \$1 million. So,
5 institutional-sized trades, trades that are over
6 \$25 million has actually been incredibly stable
7 over the 9-year period. So, TRACE really has an
8 impact, and it's almost like a ripple. If
9 anything, slightly increased, but it's pretty
10 stable. So, again, it was more evidence that
11 we've just not seen any of the adverse impacts
12 that people had forecast.

13 MR. OLESKY: And this is Lee Olesky. At
14 the same time, kind of accomplish probably all of
15 the policy objectives of establishing
16 transparency. Anyone can look on TRACE and figure
17 out what a price of a bond is, and without sort of
18 impairing the highly institutional side of the
19 market, where someone might want to be trading to
20 \$500 million or \$1 billion of an instrument. But
21 it accomplishes the goal and the policy goal,
22 which I would say we should always keep our eyes

1 on of what are we trying to accomplish here with
2 this transparency? And I think you can do it, and
3 I think this is a good model for it.

4 MR. GIDMAN: This is John Gidman. Yes,
5 I think the TRACE model is actually a very good
6 prototype for this, and that the policy objective
7 was clear and noble. The approach was practically
8 measured, and the different requirements of
9 different market participants were well-managed.

10 MR. SHILTS: Any one else want to
11 comment on this?

12 MR. JOACHIM: Let me just say one more
13 comment.

14 MR. SHILTS: Sure.

15 MR. JOACHIM: And then I'll be quiet.
16 Is that the one thing that I would say is that if
17 you asked all market participants on the buy side,
18 you wouldn't get a uniform answer from everybody.
19 Those players who believed in an opaque market
20 believe that they have an information advantage,
21 believe that transparency is a negative. And I
22 think that's one thing that we're pretty

1 comfortable on. And there are a lot of people who
2 believe that, and --

3 MR. OLESKY: Not just buy side.

4 (Laughter)

5 MR. JOACHIM: Well, the sell side, by
6 definition says that, but, actually, it is
7 something you just have to recognize that that
8 doesn't mean everybody is the same
9 pre-transparency and post-transparency. It means
10 that it levels the playing field and it changes
11 the dynamics in the marketplace significantly in
12 the way people have to trade.

13 MR. GOOCH: Jeff Gooch. I think it's
14 very hard when you look at the stats around TRACE
15 and its success because everyone has different
16 views. And you have half the dealers saying one
17 thing and half the buy side thinks another. All
18 the academic studies and most of them seem to back
19 up Steve's conclusions. I think one of the reason
20 it's hard to conclude, over that nine-year period,
21 there's a massive increase in the focus on credit
22 markets as an asset class generally. So, the

1 growth of the CDS market among other things at the
2 same time.

3 So, it's really very hard to draw
4 absolute conclusions, but I think was important
5 about TRACE was, A, it was phased in, it does have
6 these exemptions for larger trades to reduce the
7 impact on the marketplace, and it clearly has been
8 beneficial for certain segments of the market. I
9 think even if people just say it's been a bad
10 thing, wouldn't say it's been a bad thing across
11 the board, and I think we've got to think about
12 parts of the market that can be actively
13 encouraged and through transparency and then make
14 sure we would mitigate the issues in other areas.

15 MR. GIDMAN: This is John Gidman again.
16 I think the other prototype to point to would be
17 the rapid development of the trade information
18 warehouse, and while it was influenced by policy
19 objectives, it was also influenced by practical
20 considerations, and it was kind of the invisible
21 hand of market forces which made it very quickly
22 address a longstanding problem that hadn't yet,

1 thankfully, gotten to the headline.

2 MR. SHILTS: Okay, we've got about 10
3 minutes left so we can move on to the last
4 question.

5 MR. GAW: What do you see as some of the
6 potential costs of a trade reporting regime beyond
7 the effects on liquidity, which we'll continue to
8 address in the next panel? So, I'm thinking sort
9 of operational costs, your sense of whether
10 technology platform sort of like at the dealer,
11 counterparty level will need upgrading in order to
12 support real-time dissemination?

13 MR. BERNARDO: It's Shawn Bernardo.
14 From the brokers' perspective, we already have
15 these systems in place for 99 percent of these
16 products already in some way, shape, or form. So,
17 as far as upgrading them, we're upgrading the
18 systems on a regular basis. So, I think, again,
19 we can accommodate the needs that you have, and we
20 currently do a lot of the reporting and
21 (inaudible) processing with the firms that we're
22 speaking of.

1 MR. JOACHIM: I think that some of the
2 costs will depend on, again, the product we're
3 talking about, as to how much automation people
4 have in place at the point of sale, and I think
5 that's typically where it's hardest to get your
6 arms around exactly what the cost structure is
7 because you have a lot of market participants in
8 there, and everybody has a different environment
9 (inaudible) tremendous amount of automation. Not
10 everybody is going to have the same level of
11 automation so people are going to have to build
12 automation in place.

13 You're going to have the cost of
14 creating a system in place that's going to
15 aggregate it unless you can piggyback on other
16 environments, but that's something you have to
17 face is how you get the data together, the rules
18 of how they report, how the system will collect it
19 if. If you're going to put risk in place, you're
20 going to have to build models in place to generate
21 those measures for people. So, they're going to
22 be operating costs from a technology side. On an

1 ongoing basis, you've got to maintain technology,
2 you're got to update it. Typically what happens
3 is the market gets faster as automation gets in
4 place and transparency gets in place, so, you're
5 going to have to accommodate faster, more trading,
6 different trading. They talked this morning about
7 the creation of new rules. You don't want your
8 transparency regime to slow down the innovation
9 process, so, you want to be able to facilitate
10 that, and you need to be sure you build technology
11 that's flexible enough, and it's modified on an
12 ongoing basis to accommodate markets as quickly as
13 you can.

14 Those are all real cost to do that.
15 There will be enforcement costs. I mean, we
16 talked before about if you create a set of rules,
17 you've got to enforce those rules, you got to be
18 able to go out and visit the counterparties and
19 see what they're reporting and be sure they're
20 there. So, that's going to be an expensive
21 proposition in terms of getting people out in the
22 marketplace to ensure that the trades are being

1 reported adequately and in place.

2 So, that's just some of the costs.

3 There's probably more if I think about it.

4 MR. GIDMAN: Yes, this is John Gidman.

5 I mean, in my view, it's much more about the
6 choreography and really starting from the back and
7 then going forward. And, so, getting the data
8 repository right in terms of the aggregation,
9 getting that right first can help inform what the
10 front needs to be able to do and how it plugs in.
11 Getting the zymology, the universal identifiers
12 for the deal and the counterparties is critical
13 because then you begin to have at least the
14 framework for a common language that can evolve
15 over time.

16 MR. GOOCH: Jeff Gooch here. I think
17 the cost of collecting the information will vary
18 by asset class. Some asset classes (inaudible)
19 had an interest rate and credit market, but
20 inter-dealer markets, these dealer-brokers find
21 information out very quickly. Most (inaudible)
22 heavily automated, I think cost implication,

1 there's going to be a relative delay if you reuse
2 existing market infrastructure. Another asset
3 class is like equities, and commodities is more
4 work to do. Parts of those markets are very
5 automated parts. So, I think the collecting is
6 going to vary. I think one cost people don't
7 think enough about is the cost of the end-user
8 community of actually making use of this public
9 information.

10 One thing this is not going to be like
11 is TRACE. TRACE is a very easy thing to
12 understand. I'm a dumb (inaudible). I couldn't
13 understand a TRACE ticker or the screen. I see
14 the bond and I see the (inaudible) see the price,
15 I know I did a good trade. An OTC derivative is a
16 lot more complex. Some of these trades have 100
17 fields. These are very complex things to
18 simulate, and by making that data
19 publicly-available, everyone who plays in those
20 markets has to be able to understand that ticket,
21 what it means for them in order to do the best
22 execution to protect their clients at the end of

1 the day. So, I do think there's going to be a
2 substantial cost in terms of the industry
3 absorbing this transparency and actually using it
4 for something. Because the option of sitting as a
5 fund manager and saying I'm not going to look at
6 any information, but I can still show my clients
7 I'm doing a good job is going away.

8 So, there's going to be several thousand
9 institutions that are going to have to spend a lot
10 of money, and, hopefully, the vendors around this
11 table or somewhere else, trying to actually
12 understand this feed and make use of it, and
13 that's probably a cost we never seem to talk
14 about, but I think it's a very real one.

15 MR. JOACHIM: The other thing I'd say
16 about that, Jeff, is that the buy side is the one
17 place where they probably also get the benefits in
18 terms of level playing field and the transparency
19 and the limited information. So, the cost of
20 digesting that information for the buy side is
21 probably very small compared to the value and
22 benefits they get immediately. The sell side has

1 often much more mixed feelings about it.

2 MR. GOOCH: Yes, I think (inaudible) if
3 we focus on getting cheaper execution to buy side,
4 then that balance works. If we create a regime,
5 because liquidity impacts, I think, doesn't give
6 them a cheaper execution, and the numbers are not
7 going to stack up. Honestly, I think transparency
8 is a good thing, but it's important part to focus
9 on.

10 MR. HARRINGTON: It's George Harrington
11 from Bloomberg. I think this is an area where you
12 can actually look at the TRACE model. One of the
13 things that we do is we provide to the sell side
14 order (inaudible) functionality, and most of the
15 major dealers actually in the credit markets will
16 use us for that, and, therefore, for Steve, we
17 have a number of different feeds for TRACE rates
18 that are going directly. I think this discussion
19 will almost come back, and I know we've been on
20 this before, to the collection point.

21 So, in other words, if we say okay, now
22 we're going to have all of this data that's going

1 to need to go from the sell side or the
2 inter-dealer market down to all the SDFs, all the
3 regulators, you're going to have all these new
4 feeds that are going on. That's going to be a lot
5 of work. So, in other words, yes, we can all do
6 it. We'll have to do individual feeds for. Now
7 you have the IRS, the CDS does equities, FX
8 commodities. So, you're talking about laying a
9 lot of new ground. Obviously, there'd be some
10 work that can be redone. Versus if we end up
11 saying that okay, now we're going to either go
12 down the role of an aggregator, someone who's
13 going to take it in or we're going to go down the
14 road of saying the SDFs are the right place for
15 these data to be aggregated and pulled in from,
16 then it's a little bit easier.

17 Yes, the decimals still have to do
18 delivery to get the ultimate trades down there,
19 but as far as dissemination goes and displaying
20 that data out to the end- users across the
21 different vendors who obviously compete it that
22 space, it's going to be a little bit of an easier

1 process. Either way, it's going to take work from
2 all of us to get there. But I think that if we
3 either go central or a few places where we
4 actually have to pick up data from to give back to
5 the user community or to the public then that
6 would make it a little bit smoother process.

7 MR. AXILROD: This is Pete Axilrod. I
8 just wanted to add at the risk of maybe repeating
9 myself that it's really the total market picture.
10 We've spent a lot of time focusing on price.
11 That's important, but other aspects of the market
12 are equally important, and it's important to make
13 sure that that data is also disseminated
14 appropriately on an equal opportunity basis to
15 everybody. And I think for end-user portfolio
16 managers in particular, the more of an overall
17 picture of the market that is out there, the
18 better off they are. So, again, let's not focus
19 entirely on price, but other aspects of the
20 market, as well.

21 MR. GIDMAN: This is John Gidman. I
22 mean, open interest collateral implications are

1 every bit as important as price.

2 MR. SHILTS: We just have a couple of
3 more minutes. Any last-minute comments from
4 anyone?

5 MR. MASTERS: I'd just make one final
6 point very cynically about your point, John. I
7 mean, I think sometimes banks, they say well,
8 we're not using this specific customer data, we're
9 just using (inaudible) whether it be prime
10 brokerage data or whatnot. I mean, that's more
11 valuable. It's not less valuable. I would rather
12 see the aggregate than the specific customer data.
13 That's how valuable it is to me.

14 So, in terms of this data, we absolutely
15 have to see all of it, and it's critical that we
16 see all of it, and then that swap dealers and
17 other people that are doing trades report all of
18 it, again, in a consistent English language
19 format.

20 MR. GIDMAN: Yes, all of it in a
21 consistent way as of the same time.

22 MR. SHILTS: Okay. With that, I want to

1 thank all the panelists. This was a very
2 interesting discussion, and we ended about right
3 on time. So, we're now going to have a 15-minute
4 break. We'll start again at 3:45. Thanks again,
5 everyone.

6 (Recess)

7 MR. SHILTS: If we could get people to
8 please take seats so we can start. If everyone
9 could take their seat, please, so we can get
10 started.

11 I think most everyone is here, so we can
12 try and get started. This our last panel of the
13 day. This is going to focus on effect of
14 transparency on liquidity and the block trade
15 exception.

16 So, at this panel, we want to get some
17 input on defining block trades and large
18 transaction sizes, determining the appropriate
19 delay for reporting block trades and large
20 notional swap transactions and the affects of
21 transparency on post-trade liquidity. And as we
22 have done with the prior panels, we can start by

1 going around the table and everyone can introduce
2 themselves and say where they're from.

3 Again, I'm Rick Shilts, director of our
4 Division of Market Oversight here at the CFTC and
5 Robert Cook is to my right, director of Trading
6 Markets at the SEC. With that, let's go around
7 the table quick.

8 MR. MASTERS: I'm Michael Masters with
9 Masters Capital Management. I'm representing
10 Better Markets.

11 MR. WOLKOFF: I'm Neal Wolkoff. I'm the
12 CEO of ELX Futures Exchanges.

13 MR. SHAPIRO: Peter Shapiro, Swap
14 Financial Group. We advise end users of
15 derivative products.

16 MR. SPATT: Chester Spatt. I'm a
17 professor of finance at Carnegie Mellon. In the
18 middle part of the decade, I served as chief
19 economist at the SEC. I'm also currently a member
20 of the Shadow Financial Regulatory Committee.

21 MR. STEINER: Jeff Steiner from the CFTC
22 Division of Market Oversight.

1 MR. LEAHY: Tom Leahy, Division of
2 Market Oversight, CFTC.

3 MS. SEIDEL: Heather Seidel, Division of
4 Trading and Markets, SEC.

5 MR. GAW: Michael Gaw, SEC, Division of
6 Trading and Markets.

7 MR. PAYTON: I'm Dean Payton. I'm the
8 managing director of Market Regulation at CME
9 Group.

10 MR. VOLDSTAD: I'm Connie Voldstad. I'm
11 the CEO of the International Swap and Derivative
12 Association.

13 MR. SONG: My name is Yunho Song and I'm
14 a senior staff member and a senior trader on the
15 Swaps Desk at Bank of Merrill Lynch.

16 MR. SHILTS: Okay, and we're going to
17 try to end this as 5:30 sharp. So, as we have
18 done with the other panels, we will start off with
19 some questions from the staff and then everyone
20 should have an opportunity if they want to make
21 any comments on that particular issue or question
22 and, again, if it goes a little too long, I might

1 try to remind people to be a little bit brief, but
2 we hope to get all the comments in. So with that,
3 let's start with the first topic.

4 MR. LEAHY: I think I'll start fairly
5 basic. How should we define large notional swap
6 transactions and block trades for swaps and
7 security-based swaps?

8 MR. VOLDSTAD: I won't be bashful.
9 Connie Voldstad. You know there are a lot of
10 different markets that derivatives are executed
11 in. I think one has to take a very, very careful
12 approach, look at each of the asset classes, look
13 at each of the products within the asset classes,
14 look at each of the maturities that the instrument
15 is associated with. I think you need to look at
16 the number of participants in the marketplace.
17 Many, many fewer participants in derivatives than
18 there are in most exchange-traded products. I
19 think as well you need to look at the frequency of
20 trading. Even in the most liquid markets, you'll
21 find that even in the most liquid -- let's say --
22 interest rate swap, products worldwide, you might

1 only see one trade every five minutes or so. Some
2 sort of a 10-year interest swap in dollars. So I
3 think you have to look at each of those products.
4 I think each of those factors and then determine
5 at what point we start influencing liquidity if
6 you have to reveal price and size information.

7 MR. SPATT: You know to follow up on
8 that -- to follow up on the -- this is Chester
9 Spatt of Carnegie Mellon. To follow up on the
10 last point, it seems to me that the most important
11 aspects for defining a large size transaction is
12 at what point does the size of the transaction
13 really start to move the market? So, to some
14 extent -- and that's going to then difference --
15 obviously, that's going to pick up differences
16 across markets. To some extent do they even
17 suggest perhaps differences over time?

18 Some of the academic literature on the
19 equity -- on equity trading, at some point, kind
20 of got stuck and because, at some point,
21 historically 10,000 shares was a big trade, the
22 academic literature on equity trading, at some

1 point, kept using 10,000 shares as if it was sort
2 of the key -- a particularly key number. But I
3 think for the kind of purposes that you're
4 interested in, what I think really determines size
5 is to what extent is there -- to what extent is
6 there market impact? And especially at what point
7 does market impact really take off in a nonlinear
8 fashion? So I think looking empirically at price
9 impact is potentially very, very important.

10 MR. SHILTS: Just as people comment on
11 that, how do you focus on that given the large
12 variety and number of different types of swaps?
13 So that -- I mean, if you looking at market
14 impact? Is it -- are you looking at it for like
15 something kind of an on the run type of instrument
16 say of an interest rates? Or when you look at all
17 the different spoke-type instruments, how do you
18 make that determination? I mean it makes sense,
19 you know, theoretically. But how do you do it
20 practically?

21 MR. SPATT: Well, I think I would start
22 with the most -- I would be inclined to start with

1 the most liquid instruments. Sort of see what we
2 can learn about that in terms of the size and
3 scale, and the perhaps you try to look at other
4 instruments that might be representative. And it
5 may be that issues like the numbers of trades and
6 the volume of trades and the like may provide kind
7 of indicators, but, you know, I simply wouldn't
8 look at the most liquid instrument. I would be
9 inclined to look across instruments. And it seems
10 to me that one can potentially approach this issue
11 of price impact precisely because you have all of
12 the transaction data, so it makes it potentially
13 possible to use econometric methods to try to
14 piece this issue out.

15 MR. SHAPIRO: I think, Professor Spatt
16 -- or should I say Chester or whatever -- his best
17 is spot on. I think it's exactly what you're
18 going to have to look at, which is the market
19 moving implications within the specific product
20 that you've got. We've tried to play with -- I
21 should have said Peter Shapiro is my name. We've
22 tried to play with ways of doing that for specific

1 kinds of instruments. Our business works advising
2 end users in the -- principally in the interest
3 rate swap area.

4 Because we handle a lot of tax exempt
5 borrowers -- that is both governmental and
6 nonprofit -- we're often in a -- in interest rate
7 derivatives that involve the SIFMA index. The
8 SIFMA index, you know, one of the principal
9 benchmark in the tax exempt market and there's
10 limited liquidity in that market pretty much
11 across the entire yield curve. A lot of the
12 transactions -- because they're looking at long
13 live borrowings -- will be out as long as 30
14 years. But even if it's 10, 15, 20 years, we will
15 see liquidity effects that are there.

16 The size of the borrowings -- because
17 remember -- and it's important to focus on this.
18 When we're thinking about the end user's interest,
19 which is where we come from -- when we think about
20 the end user's interest, we're thinking about the
21 fact that what is the end user doing? That end
22 user, in this case, is borrowing a lot of money to

1 finance a public improvement -- something which is
2 part of the public good. And those borrowings can
3 be easily \$100 million, \$200 million -- or in the
4 case of one of the examples I was thinking of --
5 we worked on one transaction recently that was 1.8
6 billion in SIFMA. Huge market moving potential on
7 that. How long would it take that to settle
8 through the market in an orderly way? The metric
9 that we would tend to look at is how much volume
10 is there in the market in that instrument of that
11 maturity in any given day?

12 And if we wanted to take a billion
13 dollars and say that there was -- if we could put
14 a hard number in and say that there was 200
15 million of volume in that market in a day, then
16 we'd say it would take 5 days for that dealer to
17 be able to settle his hedges. If he had to be
18 exposed to real-time reporting in a public manner,
19 during that five day period or at the onset of the
20 transaction entered into between my client and
21 that dealer, the dealer would either say no or he
22 would say you, Mr. Counterparty, you, Mr. End

1 User, you public agency are going to have to pay
2 more to cover my risk. And that's not the result
3 that we want here.

4 The result that we would hope for in the
5 public good here would be beneficial transparency
6 not harmful transparency. Not transparency that
7 would result in frontrunners being able to get out
8 and position themselves in a way to try to make
9 money off the fact that a public agency was trying
10 to hedge something, but rather giving what -- in
11 the case of the actual transaction I'm talking
12 about -- a quiet period for the dealer to be able
13 settle his hedges in order for the end user -- the
14 issuer of the debt in this case -- to be able to
15 get his transaction done at a better price.

16 So I think about it in terms of
17 everything numerator and denominator -- if there's
18 a volume that we can measure versus size. If the
19 size of the deal is five times today's volume,
20 make it a five-day delay.

21 MR. MASTERS: This is Mike Masters. I
22 just wanted to make one point, which I made in the

1 earlier panel, which I think is probably more
2 applicable to this panel than it was prior but --
3 the whole notion of post -- pre- and post-trade.
4 Pre-trade, you know, there's a negotiation period.
5 There's a -- so forth. There's the amount of
6 hedging that has to take place. And then there's
7 post-trade, which is a dealer prints the trade. I
8 really don't see any reason why post-trade
9 reporting can't happen -- you know -- basically a
10 standardized, which I described in the earlier
11 panel, a format of reporting that's, you know, in
12 some delta equivalent that easy to get accessible
13 to regulators and to the broader public.

14 But there's -- but in terms of
15 post-trading, the transparency requirements are
16 much more lenient. There's a much wider gap for
17 transparency. There's a much greater public need
18 for transparency in post-trade reporting.

19 The pre-trade reporting is a different
20 issue completely. You know, pre-trade reporting
21 is almost an oxymoron. I mean I'm not -- you
22 know, the trade hasn't happened. And so you're

1 negotiating -- yeah, I mean, I don't want people
2 to see that, but once the trade is done -- and I
3 understand the need for hedging and so forth --
4 there's some sensitivity there. But there needs
5 to be public access to that data in some regular
6 form, which we can all see -- again as I said in
7 the earlier panel -- in an English format -- a
8 risk based or a delta equivalent nationality to
9 the trade.

10 So I just wanted to make that point.

11 MR. VOLDSTAD: And you're happy if the
12 public body has to pay an extra 10, 20, 30 basis
13 points because they'll get a worse price?

14 MR. MASTERS: I think that -- and
15 someone made this point in the past panel. I
16 believe it was the gentlemen from TRACE. There is
17 a cost to transparency. Opacity -- we know the
18 cost with opacity. We just went through that. So
19 there is going to be some cost. There's a
20 balance. There's no doubt. And is it going to be
21 slightly more costly? I might be at the margin.
22 But at the end of the day, I would argue that

1 having more transparency gives a benefit in terms
2 of bid and offers and so forth tighter over a
3 longer period of time.

4 MR. SPATT: So just to follow up on that
5 as well, in the three years that I was at the SEC,
6 was basically coincided with the three years after
7 much of the implementation of TRACE. And while
8 folks from industry repeatedly came in and pressed
9 the point that spreads were wider, they never
10 presented to us in any format a convincing
11 empirical study and nor am I aware of any
12 empirical study in the academic community that
13 shows those effects. So I do think it's incumbent
14 upon critics of post-trade disclosure to point to
15 and identify convincing empirical evidence of
16 these effects. And I think that's extremely
17 important to the regulators as they go forward,
18 but I must say, I'm not aware of that evidence
19 right now.

20 MR. VOLDSTAD: No -- I'm sorry.

21 MR. SONG: If I may comment on that -- I
22 think one of the distinctions we have is a market

1 that may be more smaller in retail based versus a
2 market that is with far small number of
3 participant and that's institutional based. So,
4 you may not be able to, for example, find who was
5 doing a specific trade looking at trace report so
6 it has a marginal impact on the marketplace. But
7 as Mr. Shapiro was point out, if you saw a print
8 go through for \$1.8 billion against an illiquid
9 index, you can narrow down to a handful of people
10 who could possibly have done that.

11 MR. SPATT: This is Chester Spatt again.
12 So I fully -- I would fully accept that, but, you
13 know -- I fully accept that example and I also
14 fully accept that derivatives are sort of very
15 different than the bond markets and, indeed, to
16 reinforce your point, where the empirical evidence
17 of anything was even stronger was in the municipal
18 bond market as compared to the corporate bond
19 market. The municipal bond market customers were
20 really getting hosed in the prior environment.
21 The municipal bond market is perhaps the only
22 market that I'm familiar with in which the spreads

1 were substantially wider for tiny transactions
2 than they were for large transactions.

3 But I also think -- but I think also the
4 phrasing of the arguments that are now being
5 presented in the derivatives context, it's
6 important to keep in mind that those were exactly
7 the arguments that were brought to bear in the
8 bond market context. Of course, then one wasn't
9 saying that the bond markets are different than
10 bond markets -- obviously a point you couldn't
11 argue that. But it does seem to me that the
12 absence of evidence in the bond markets does kind
13 of suggest some initial -- some at least some
14 initial buyers and it's important to try to at
15 least create the natural -- it's I think going to
16 be at least important for regulators -- and this
17 is maybe something they might want to consider --
18 to perhaps setup some natural experiments.

19 You know, I think the natural experiment
20 that the Commission did in the context of the
21 short sale regulation really was terrific because
22 it allowed careful identification of the empirical

1 effects and maybe it's possible to do something
2 like that in -- do that in some of these markets
3 and not other of these markets and then do before
4 and after and difference types of comparisons.

5 MR. VOLDSTAD: Chester, there is a
6 difference. TRACE is a \$5 million limit. After
7 that, there isn't really disclosure other than is
8 5 million. If you were going to trade a
9 billion-eight of a corporate, and you had to
10 publish that through TRACE, you're going to move
11 the market. It's -- I -- if you look at what the
12 Europeans are suggesting with respect to credit
13 default swaps, which I think are very close to
14 corporate bonds. They're saying there should be
15 real-time disclosure of prices for 5 million and
16 below. That is the retail side.

17 In fact, very little transactions will
18 go through at 5 million euros or below or below 5
19 million euros. But then they have different
20 categories of disclosure for 5 to 10 million euros
21 and for over 10 million euros. I don't think
22 we're arguing about small transactions, which is

1 what TRACE is all about. We're arguing about a
2 billion-eight kind of muni swaps.

3 MR. SPATT: I think my point was mainly
4 to just argue for the importance of empirical
5 evidence. The empirical evidence was extremely
6 important, I think, in the assessment of bond
7 studies. And I would call upon the regulators to
8 look to and encourage the development of empirical
9 evidence and potentially even to do natural
10 experiments to help sort these issues out and to
11 maybe do so -- you know, and one of the things
12 that I thought was very impressive about how the
13 NASD went about the implementation of TRACE as the
14 prior panelists described was they rolled it out
15 in a gradual way. Because at each stage they were
16 looking -- on the one hand, at each stage they
17 were looking for problems that might arise, so
18 they did a gradual rollout.

19 But then it also facilitated empirical
20 comparison across stages and it seems to me, you
21 know, to the extent that there's agreement that \$5
22 million trades aren't big and -- you know, so are

1 \$10 million trades too big? You know, those
2 issues -- let's put those issues to the side. But
3 you could imagine you could kind of gradually --
4 one could gradually adapt the rules and change the
5 lines and try to understand the issues.

6 MR. SHAPIRO: I think there's a way to
7 accommodate both needs here that's really very
8 sensible. And I'm not -- I'm just concerned about
9 looking for empirical evidence may be very
10 difficult to do given the multifaceted nature of
11 this market, how many different pieces there are
12 that we could spend a decade doing that and you
13 obviously don't have a decade to put out these
14 rules. Thinking about this, I don't think anybody
15 would be arguing that there should be no
16 disclosure.

17 I think the only question is when
18 something is a big enough block, how much of a
19 delay is reasonable in disclosure on it. And it's
20 important, I think, to think back through what the
21 structure of the transaction is that you have. In
22 the case I'm describing, the end user dealing on

1 an over-the-counter basis on a bespoke product
2 with the dealer. And then the dealer is laying
3 off the hedge on a -- in chunks over time in order
4 to make it so that the market is working in an
5 orderly way in the dealer's interest -- which, in
6 effect, if it's in the dealer's interest, should
7 be passed along to the client if things are
8 working correctly. If we think about the
9 reporting that would go on in the sequence that
10 I'm describing, because I wanted to deal with what
11 Mike was saying there. This would be -- there
12 would be a trade that would occur between the end
13 user and the dealer. Then we have a post- trade
14 environment to use the wording you were using
15 there at that point. At that point, you wouldn't
16 have the disclosure in real time because it would
17 be a market moving transaction -- assuming the
18 size parameters that we've described.

19 Immediately after that, the dealer would
20 begin his hedging process. And the dealer would
21 be hedging in that case in interdealer markets, in
22 exchange traded markets -- all of which would be

1 being reported contemporaneously. So in other
2 words, his subsequent hedging trades would all be
3 being reported. All of the laying off of the
4 hedges that he did would be being reported so that
5 there would be the real-time price discovery
6 that's the public good that we're trying to get
7 at.

8 The only public good or the only
9 transparency that would be missing here would be
10 the instantaneous real- time reporting on the
11 market moving original trade between the end user
12 and the dealer. I'm not saying that would never
13 be reported. I'm saying that would be reported
14 after a reasonable delay. The question is how
15 much of a delay would be there.

16 MR. SONG: Well, if I may add or just
17 build on what you said, Peter, because I think
18 you're spot on. I think there's -- if I could put
19 this concept before everyone to think about is
20 maybe one of the ways we should report this,
21 because no one is disputing whether we should
22 report these trades, instead of reporting the

1 exact size of the transaction, maybe what we
2 should agree is that we agree to like what TRACE
3 does is with a greater than concept. So, let's
4 say the median-sized trade -- I'm just using these
5 as an illustration -- is \$10 million. And if you
6 go to -- I don't know, this is something we could
7 look after this committee -- but 75th to 90th
8 percentile trade is say \$30 million. So then the
9 reporting requisite is you have so many minutes to
10 report a trade that you have done a trade greater
11 than \$30 million. So like in the illustration
12 that you used for public finance, you know, the
13 dealer would report -- let's say the block trade
14 definition would have been 50 million. He just
15 reports we did a trade greater than \$50 million.
16 And that's it. And so the information is
17 disseminated. There is a block trade going down,
18 but the exact specific structure and size is not
19 given so that it also protects the interest of the
20 largest end users.

21 MR. SHAPIRO: In the muni bond market,
22 to take Chester's illustration before -- EMMA --

1 the electronic disclosure system that's run by the
2 MSRB, which is an excellent system, has a very
3 similar device where if it's over a certain size
4 it just reports.

5 MR. SONG: It's over a certain size,
6 right?

7 MR. SHAPIRO: It's over a certain size.
8 Later, I think they do update that. What I would
9 think would be good here would be to have an
10 initial report that could then subsequently be
11 updated as to size when there was a reasonable
12 period of time to allow clearing.

13 MR. SPATT: I'm certainly very
14 comfortable with that. And that's also consistent
15 with the TRACE design as well.

16 MR. MASTERS: I'd just say there is one
17 issue, I mean, in the sense of it I'm not --
18 there's a balance here. I mean, obviously, I
19 understand there is a cost element to, you know,
20 putting a giant trade on the tape and then having
21 everybody under the sun front run the trade. I
22 get that. On the other hand, I would say in most

1 circumstances -- and when we had the block trading
2 process of equities to go back and look at. When
3 I mean blocks, I mean, you know, half-million,
4 million, you know, decent size blocks. There is
5 some time allowed to get -- to do a hedge, but
6 there's not forever. I mean, it's not as long as
7 -- it's certainly not a week or anything like
8 that. I mean, you're talking about hours.

9 And I would argue to your point, Peter,
10 if you're saying okay, well, you know, you're
11 going to see some of it -- you know, some of it
12 goes and you'll see it in the overall market or
13 what not. You know, to a certain extent, I'm --
14 you know -- I'm arguing the same thing in a
15 different manner in the sense of as soon as that
16 trade is negotiated, the hedger knows what his
17 hedge is, you know. Or the swap dealer knows what
18 the hedge is. I mean, there's a level risk of
19 risk that he has to hedge and the idea is to
20 equivocate that into its normal listed
21 counterpart.

22 That's the whole notion is to bring this

1 down to an equivocated to its nearest listed
2 counterpart so that we can look at it as market
3 participants and not be -- or look at it is
4 regulators -- look at it on a level playing field,
5 look at the information and know that the
6 information -- the trade is -- has a certain
7 delta. It has a certain delta equivalent to some
8 listed counterpart. And now we can compare apples
9 to apples. Now we can do that.

10 But with regard to the actual trading,
11 I'm not so sure if you do that when you're
12 reporting a trade that you're not getting the same
13 thing because if the trade is actually going
14 through other markets in terms of the hedge and
15 the dealer is laying off hedges and so forth -- I
16 get that, but it's not forever. I mean, there
17 needs to be -- it needs to be pretty quick, I
18 mean, because the public suffers the longer the
19 delay is. I mean, there is other market
20 participants and whatnot. So there's a balance
21 here, but I would argue that it needs to be
22 quicker rather than later.

1 MR. VOLDSTAD: I think we probably
2 started with a bad example. I think more to the
3 point would be in the interest rate word --
4 interest rate swap world. You'd probably start by
5 making a comparison to the futures world where you
6 get -- you have the block trading. You do have a
7 block trading exemption, but you have five minutes
8 to report. I don't -- I would think you'd need
9 probably a bit more in the interest rate swap
10 world because it's a little different. It's not a
11 continuous market. It certainly doesn't trade
12 nearly as frequently, but you'd start with, you
13 know, a very, very finite period of time --
14 nothing like hours or days.

15 MR. SONG: You know, again, for this
16 committee, I had -- I want to just put a concept
17 on the table. And I'm speaking specifically for
18 like the interest rate swap market -- is I've been
19 giving this a lot of thought. And I was thinking
20 what we need is like a matrix reporting schedule
21 because the trades get more difficult if the
22 maturity is longer. So, for example, I mean,

1 obviously, a 50-year swap is far less liquid than
2 a 2-year swap. So I would say -- without delving
3 into the minutia or the details here -- that we
4 should think about that. We have a scale, like a
5 matrix. So you say if you do a one-year trade,
6 you have five minutes. And if you do a 30-year
7 trade, as an illustration, you have 3 hours
8 because the liquidity and the time it takes for
9 people to work itself out. It's not the same.
10 It's -- you know, it's not only size, but it's
11 also maturity dependent. And as -- again, as
12 Peter mentioned, it's also index dependent.

13 And I'm not sure if this is the right
14 format, but we also need to contemplate maybe
15 carving some products outside of this requirement.
16 And the only reason I mention that is because it
17 could be so difficult. There could be so many
18 nuances. Like when you look at, like, interest
19 rate options, caps and floors, European swaps can
20 fit into manageable grids. But you're getting to
21 these customized options with, you know, knock-ins
22 and knock-outs and double no touches and Bermudans

1 and I don't know how you would implement something
2 like that because there would be too many tangents
3 coming out. And as long as, you know, what we're
4 trying to do is we're trying to capture the body
5 of the market, the essence here, right. And the
6 big plain vanilla markets do that.

7 MR. MASTERS: You know, I'd just make
8 the point, I mean, obviously, you know, with any
9 of those trades, you know pretty quick what your
10 hedge is going to be. You know, obviously for an
11 option or a (inaudible) or any kind of product
12 within any optionality, you're going to know your
13 delta, your gamma, your theta, your vega -- all
14 those kind of things pretty quickly or you're
15 going to be able to estimate those. So, I mean,
16 that's not something that's really rocket science.
17 I mean, I made this point in an earlier --

18 MR. SPATT: No, but it could take you
19 two weeks to work out up a position, though.

20 MR. MASTERS: That's -- you know, that's
21 a different issue. The issue is the
22 standardization of the language.

1 MR. SPATT: I think some of us at the
2 table might be somewhat uncomfortable with a two
3 week carve out. But, you know, I -- you know,
4 while I'm not unsympathetic to you're -- to the
5 grid notion, I guess I would caution that then the
6 examples that you cite, to the extent that they
7 don't fit very well within the grid concept,
8 doesn't mean that there should be a carve out for
9 them. They should still be held to some set of
10 standards. And I think that's sort of very, very
11 important. While probably my preferred way of
12 organizing this wouldn't be in terms of a grid
13 concept, it would be more in terms of the -- in
14 terms of what kind of sizes move markets as I
15 explained before.

16 You know, if one did a grid concept, you
17 certainly shouldn't exempt things from the
18 restriction -- from the parameters just because
19 they don't fit the grid very well. If anything,
20 that kind of suggests the other way -- that the
21 safe harbor ought to be just the reverse. Then if
22 they don't fit the grid very well, you know, then

1 they get the worst treatment. That seems to me
2 sensible.

3 MR. SONG: No, all I'm basically saying
4 is that we need to -- I think all would like to
5 implement rules that are readily enforceable and
6 also that people can follow. That the problem
7 with the challenge web with derivatives is that
8 there's so many myriad of products and tangents
9 that I just want to be careful where two percent
10 of the product slow down 98 percent of the
11 process. That's all.

12 MR. SPATT: Well, I think the exotic
13 products though are very important. And they are
14 very important because, you know, if we look --
15 and I don't think we want to form, you know,
16 everything we do with respect to policy by what
17 happened in '07 and '08, but one of the things
18 that happened in '07 and '08 is that there were
19 some failures in derivatives. But those failures
20 really weren't in the standardized -- the failures
21 weren't in the standardized products. They were
22 in the exotics. They were in kind of -- they were

1 in the kind of products that AIG was working with.
2 They weren't on the kind of products that were on
3 the organized exchanges or the types of contracts
4 that were sort of standardized -- kinds of
5 contracts that were trading bilaterally.

6 MR. WOLKOFF: Right, but -- I'm sorry.

7 MR. VOLDSTAD: I talk too much.

8 MR. WOLKOFF: Not at all. You've said
9 good things. You know, I think it's important to
10 note, one, a lot of the statute provisions on this
11 stuff does not require that exotic instruments be
12 traded. So, you know, one of the problems you
13 could say was that they weren't cleared either.
14 So there was no after the fact position reporting.
15 There was no margining. There was no open
16 interest reporting. There was no identification
17 of a trade with a particular entity, whether it
18 was an intermediary or a principal.

19 And I think that one of the issues that
20 we're -- we really need to keep in mind --
21 certainly you guys and the ladies and gentlemen
22 here -- need to keep in mind is that you're

1 beginning a process where right now you're at
2 zero. All right. It's not like you're at 80 and
3 you're looking to fill in the last 20. You've got
4 futures contracts, which serve as benchmarks.
5 They're references.

6 About -- close to 20 years ago, the OTC
7 market developed because, in large measure, the
8 futures exchanges were unwilling to accommodate
9 the types of products and practices that they
10 wanted and so, as a result, they left the
11 exchanges. And right now, what you're looking to
12 do is to bring products within a regulatory
13 structure. Some of them, if they're liquid and
14 meet other criteria, will be traded. They'll be
15 actively traded. You're asking what the block
16 threshold should be. And it's to those products
17 whether they're traded as swaps, whether somehow
18 they are able to make their way onto DCMs,
19 contract markets as futures contracts.

20 The policies need to incent those
21 products to come into the regulated marketplace
22 and not to adopt new criteria that keep them

1 outside the regulated marketplace and make them
2 less vanilla than they are. I don't get the
3 feeling that the dealers -- and certainly the buy
4 side -- really are looking to play games with us.
5 I think people are looking to be wary of the
6 unintended consequences and being forced into
7 money-losing propositions in the name of -- in the
8 name of transparency.

9 So when trades are done, how do you
10 incent the marketplace? I don't think you take
11 the same kind of restrictive block trading
12 policies that the exchanges have taken. I think
13 you are less restrictive, even for liquid
14 products. I think your quantities should be
15 lower. I think your reporting of the trade should
16 be longer and then they should be reported. And I
17 think you'd deal with less liquid, or what we're
18 calling exotic instruments, on a completely
19 separately level and let the market develop. And
20 as the market develops, hopefully certain
21 instruments will become standardized enough that
22 exchanges themselves will have a role as long as

1 they're not regulated out of this market -- which
2 is certainly one of the concerns that I have is
3 that we will be the exhausted SEF and not really
4 allowed to compete in this marketplace. But I
5 think as the market develops, you'll come up with
6 greater and greater standards.

7 But right now, just remember, you're at
8 zero. You're not in a developed market. You're
9 dealing with a hypothetical where no one knows
10 exactly how this is going to go and the only piece
11 of empirical evidence that I have is that
12 originally when the market wanted to innovate and
13 the exchanges said no, the markets left the
14 exchanges. Right?

15 So markets have a tendency to go where
16 they want to go, where business can get done in
17 the best possible way and, yes, there's probably
18 some aspects of that didn't develop so well over
19 time. But if we're looking to address the major
20 pieces of this market and there are a number of
21 interest swap transactions that are relative
22 straightforward, I think the marketplace would be

1 happy to trade some of them. There would be new
2 entrants. But I think lenient policies as far as
3 block trading, post-trade reporting are critical
4 in getting the market to develop in the way you
5 want it to develop as opposed to finding ways to
6 stay away from the regulatory environment.

7 MR. SONG: Oh, and Chester, I just want
8 to clarify. When I mean a carve out, I don't mean
9 exempting these products forever. It's the point
10 that you raised, which I think was a very good
11 one. It's like what they did with TRACE. They
12 did it in steps. So as an initial step, I would
13 encourage everyone to think about maybe getting
14 the plain vanilla products on first and then up
15 the scale of the more difficult and nuanced
16 products. It's not to ignore them believe me.

17 MR. SHAPIRO: I would just say I think
18 that disclosure -- and that detailed disclosure is
19 important. I think that all of them could be
20 disclosed. The only question really is how much
21 of a reasonable delay that you want to have. And
22 that -- I don't think there's anybody that -- I

1 don't know if you're arguing in that there should
2 be a forever delay in disclosing (inaudible).
3 Yeah.

4 MR. SONG: No, no. It's not a forever
5 delay. It's just thinking about the practical
6 implementation. As we said, is -- we just -- if
7 we do this and which we agree with -- just step by
8 step go out.

9 MR. SHAPIRO: To take --

10 MR. SONG: Because the disclosure issue
11 is how much do you disclose? So, it could -- you
12 know, it's like even with structured products. If
13 you say, okay, you got to disclose this by the end
14 of the month or end of the quarter exactly what
15 you've done. I don't see any problems with that
16 at all.

17 MR. SHAPIRO: Yeah, I -- and I don't
18 think we have to wait that long. I honestly
19 don't. Someone in the prior panel said, and I
20 think they were describing it in terms of fields.
21 They were saying of all the fields that should be
22 disclosed, all the details of the trade. I think

1 that's the right model to look for. You want to
2 have as much disclosure so people can figure out
3 what is going out as much as possible.

4 The worst thing, frankly, is when there
5 is disclosure and people try to de-engineer and
6 can't figure it out and come to wrong conclusions.
7 You want as much accurate conclusion making that
8 you can have. But to take -- to build upon
9 Chester's point before, which is the standard --
10 if the standard is what's going to move the
11 market, what's going to move it in a negative way,
12 I think there's a way to design an approach here
13 which would work organically as the markets
14 mature.

15 Dodd-Frank is going to create
16 maturation. It's going to create more
17 transparency, more exchange trading, bringing this
18 market more out into the open in the ways which
19 are all good and laudable and what the public
20 purpose is supposed to be. If we look at the way
21 -- if we were looking at -- to take my
22 illustration before -- if even to reduce it in

1 size, a \$200 million SIFMA swap. If we could see,
2 by looking at an exchange, that 100 million trades
3 in a day, we could say, all right, we'd measure
4 that would be a reasonable delay to delay
5 disclosure of that \$200 million OTC trade by 2
6 days. If 2 years from now, we see that they're
7 \$200 million trading in day because the markets
8 are maturing, that delay will naturally move.

9 If five years from now, obviously, it's
10 trading a billion a day, there's no reason for
11 there to be any kind of significant delay. The
12 market itself can help provide the guidance as it
13 does develop under the -- under the new regime
14 which is going to be put in place thanks to the
15 work that you folks are all doing.

16 MR. VOLDSTAD: I would point again to
17 the futures market. There actually is a grid
18 there interest rate-wise. It might have been
19 determined based upon market movements, but there
20 is a grid for euro dollar contracts, two-year
21 notes, five-year notes, and so on. And those
22 limits are reviewed and I don't know the whole

1 history of it, but I'm sure the exemptions now are
2 much, much higher than they were five or ten years
3 ago. And that's how -- which I'm agreeing
4 entirely.

5 MR. PAYTON: Just a function of
6 liquidity, right?

7 MR. VOLDSTAD: Yeah, exactly.

8 MR. PAYTON: I mean, you're measuring
9 the depth of market and saying okay what's going
10 to move the market? You know, where do we want to
11 make that balance, right, between price
12 transparency and competitive execution versus
13 being able to do something away from the
14 marketplace. And, you know, I think to Peter's
15 earlier point -- I mean, there are two different
16 issues here because it really is a question in
17 some respects of the type of product that you're
18 trading. You know, when you're dealing with a
19 situation where you've got some bespoke product
20 that is not in and of itself really a price
21 discovery contract, right? What relevance, right,
22 does every exotic, you know, over-the-counter

1 transaction have to the marketplace? I think what
2 Dodd-Frank was trying to do, right, was to really
3 address more fundamental concerns right, about
4 actually having disclosure of those transactions,
5 right. The regulators need to understand what
6 those transactions are and that's a different
7 issue than price discovery necessarily.

8 Right, so I think that when you actually
9 think about the way that, you know, these
10 transactions work in the futures environment,
11 right, I mean it's very clear. I mean, when we
12 list a new palm oil product that has very little
13 liquidity, I mean, our block size is 10 contracts,
14 right. In euro dollars, right, it's 4 billion.
15 So, I mean, there's -- you know, a very
16 significant difference there. But you also have
17 to be careful because to try and think about the
18 complexity of defining block levels for the array
19 of products that are covered under this
20 legislation is mind-boggling.

21 So I think to the point that was made
22 earlier, you know, you need to start with, you

1 know, where there's liquidity and where there's
2 price discovery and build, right, from that.

3 And, you know, just the other point I'd
4 mention to Peter's point earlier, that, you know,
5 you can't necessarily look at those products in a
6 vacuum either, right. Because there are products,
7 you know, particularly in the world that we live
8 in today, where you've got look- alike swaps,
9 right, that are, you know, trading adjacent to
10 regulated futures markets, right. And, you know,
11 you have to make sure that there's a level playing
12 field so that you're not siphoning liquidity from,
13 you know, the more liquid price discovery market
14 in that context.

15 MR. GAW: So if could ask a follow-up
16 question, how do we as regulators distinguish
17 between the true exotics and other instruments
18 that are slightly unstandardized that are pretty
19 close substitutes to standardized instruments?
20 And this gets back to a point that Neal was making
21 before. If I understood you correctly, you were
22 advocating a different block trade regime for the

1 exotic instruments. And -- but -- if the CFTC and
2 SEC took that approach, are we in danger of giving
3 people an incentive to stay with the more exotic
4 instruments and not go to more standardized
5 instruments?

6 MR. WOLKOFF: Well, Michael -- this is
7 Neal Wolkoff -- I actually think it's the
8 opposite. I think people will go where the market
9 demand is and I mean, dealers need customers.
10 They're not trading with each other. So what they
11 want is only relevant as long as their customers
12 want the same thing. I think that the move to
13 exotics would only happen if the regulatory regime
14 became so painful for standardized or more
15 standardized instruments that the incentive is
16 killed to really participate actively. And I see
17 no movement afoot to make that -- to make that
18 happen on the part of the trading -- on the part
19 of the trading community. So, you know, I mean
20 it's an interesting question -- how do you do the
21 research?

22 I think one way would be to go find some

1 dealers and some customers and look at what their
2 books look like and talk to their traders and I'm
3 sure they'll be open about what, you know, they
4 trade and trade quickly. I think that if
5 everything took hours and was hundreds of pages of
6 -- is the documentation -- to document you would
7 have very few transactions. I tend to think that
8 there are some transactions that you'll see over
9 and over and over again on a set of, you know,
10 books and records and some transactions that
11 you'll see with an infinite amount of fields to
12 accommodate all of the variations of the type of
13 customized negotiation in terms and conditions
14 that the customer probably demanded and the dealer
15 had to figure out how to price accordingly.

16 MR. PAYTON: And the cart, I think, is
17 just a little bit before the horse because you've
18 got this, you know, entire new regulatory
19 paradigm, right, that's being promoted. The SEFs
20 are developed yet. You haven't seen how these
21 trading structures are going to work. You haven't
22 seen if central order books are going to develop,

1 how liquid they're going to be, how these markets
2 are going to trade and to try to and, you know,
3 define all of this upfront before you see how the
4 markets evolve, you know, to me is a little bit of
5 shooting in the dark.

6 MR. VOLDSTAD: You should take a look at
7 the TriOptima report on the interest rate swaps.
8 I think they're now reporting about \$450 trillion
9 worth of interest rate derivatives and that's just
10 from the G-14. And you'll see -- I don't have the
11 report here with me now I'm afraid -- but I think
12 the aggregate amount of what they call exotic
13 swaps and exotic options are probably 10 trillion
14 out of 450 trillion.

15 Furthermore, I think within each of the
16 categories, you should try and start off with the
17 most standardized transactions -- plain vanilla
18 swaps -- that, you know, have a spot start, that
19 are not done with upfront payments and so on. And
20 then you gradually get more and more reporting as
21 everybody gets comfortable with the regimen of
22 what it all means and you start product by product

1 then saying okay, this is, A, standardized and, B,
2 here's what the -- what the block trade exemption
3 would be. But the vast, vast majority of stuff
4 could get, A, reported and, B, subject to block
5 limits I think, you know, within a year or 18
6 months.

7 MR. SHILTS: Is it more likely that the
8 larger trades that would qualify under some block
9 exemption would be the more standardized?

10 MR. VOLDSTAD: Absolutely. Absolutely
11 -- I'm sorry.

12 MR. SONG: Oh, no, yeah, I mean the
13 standardized products as we've discussed is like
14 98 percent of the volume. And I think, as we
15 discussed earlier, I think the step by step
16 approach is really a sensible one. And then you
17 see what the effects are, see how everybody
18 follows through, and just keep layering in. And
19 any of these rules adapt, they're going to
20 dynamic. They're not going to be fixed in time.
21 And so, as we discussed, as the markets mature and
22 the products mature, the limits will change.

1 MR. PAYTON: And keep in mind that, you
2 know, more and more of this is going to be
3 cleared, right. The regulators are going to have
4 access to this information irrespective of whether
5 it's immediately price reported to the
6 marketplace. And to a lot of the issues that we
7 talked about occurring in 2008, right, those were
8 issue that, you know, would have seen the light of
9 day had, you know, more of this information been
10 cleared, right, dealing with some of systemic risk
11 issues and disclosed to regulators.

12 MR. MASTERS: Again, I just want to make
13 a point about the all notion or the information --
14 what is reported. So in terms of an interest rate
15 swap, there is an notional -- there is a delta
16 equivalent to every single swap and so it's a
17 situation where that has to be reported as a
18 function of the transparency. It's not just the
19 swap. It's got to be the notional equivalent,
20 because otherwise I can't compare apples to
21 apples. And a regulator can't compare apples to
22 apples. That's the whole key is to allow

1 regulators and the general public to understand
2 what the notional equivalent is of any of these
3 trades. I've got to be able see this as a
4 regulator and with regard to commodities, I've got
5 to be able to do that to assign position limits.
6 I've got to be able to do that to literally take
7 someone's aggregate position that they have with
8 swap and compare it to a CME position or
9 proposition they have on with another customer via
10 swap. You know, how do you get all that back down
11 to, you know, the least common denominator? And
12 that's the whole -- I keep bringing that up, but
13 --

14 MR. PAYTON: And to the extent that --
15 I'm sorry. To the extent that it's going to be
16 cleared, right, all that stuff is going to come
17 into a clearing house, right. That is going to
18 exactly take it down to that least common
19 denominator, right.

20 MR. VOLDSTAD: Number one, the
21 regulators will get all the information regardless
22 of what is publicly transmitted. I would argue

1 that something that has a DVL1 of \$1,000 is a lot
2 different if that's a one month instrument or a
3 ten year instrument. And you've got to have some
4 other hook to put on your data information than
5 just the DVL1. You've got to know that this is a
6 five year swap against three month LIBOR, five
7 year swap against six month LIBOR, five year swap
8 against three month LIBOR, that it's cleared or
9 uncleared and so on. There's a lot of
10 information. Some of that stuff will move the
11 market for that particular instrument. You've got
12 to be careful. That's all.

13 MR. MASTERS: And again post-trade is --
14 it's a different issue. I mean the more I can see
15 post-trade, the better off I am. And I get the
16 point, but I mean -- yeah, I want to see all that.
17 Look, I want to see everything I can see. And not
18 only do I want to see the specific trade, I want
19 to see the aggregate trades as well. I want to
20 see all the stuff as quickly as I can as a market
21 participant. That being said, you know, I've got
22 to be able to see it in a uniform standard and I'm

1 -- what I'm -- I keep going back to is someone has
2 to say this is the way we're going to do it so
3 that people can follow along and say, okay, we'll
4 report this way.

5 MR. WOLKOFF: One of the -- it's Neal
6 Wolkoff. But, I mean, one of the benefits of
7 clearing is that at some point -- and that point
8 is the submission to the clearing house, right?
9 There is by necessity a standardization. It may
10 not be as broad a standardization as a benchmark
11 futures contract. It may be narrower. It may be,
12 you know, a certain coupon rate against the
13 certain duration of LIBOR in a certain term with a
14 certain settlement date and that could be fairly
15 narrow, but not narrow enough that it doesn't
16 already contain hundreds, if not thousands, of
17 like contracts. So I think the only thing I would
18 be a little hesitant about if I were a policymaker
19 is to require that any kind of trade secrets or
20 proprietary models be disclosed as part of the
21 transparency or reporting process because
22 eventually you do have a level playing field and a

1 levelizing as Dean mentioned with trades once they
2 become cleared transactions.

3 MR. SHILTS: Okay, I want to move on to
4 some other questions and topics.

5 MR. LEAHY: Sure. Touching on something
6 that Chester said earlier, should there be a
7 consistent methodology across markets and
8 contracts or to determine what an appropriate
9 block size is or a large transaction size? Or
10 should a methodology be specified for each
11 particular market?

12 MS. SPATT: Well, I think -- well, based
13 on my comments before, I certainly think it makes
14 sense to try to use a common methodology to the
15 extent that that's possible. I'm not sure that
16 would necessarily -- I mean, there might be
17 disagreement around the table about the
18 particulars of the methodology that I'd laid out,
19 but suspect that probably most of the panelists
20 would probably agree that there ought to be some
21 sort of overall (inaudible). I'm not sure if I
22 quite understand what alternative you have in

1 mind, unless you have in mind just trying
2 different things for different instruments and
3 seeing what's sort of better. But I'm not sure if
4 I really kind of understand what the alternative
5 would be.

6 MR. LEAHY: Well, I think what we're
7 thinking here is maybe if there is some sort of
8 algorithm that would be used to determine what an
9 appropriate block size is. You know, if there was
10 an algorithm, could such an algorithm be developed
11 that could be applied across asset classes and
12 contracts? Or do you have to look at each market
13 individually and make assessments and perhaps a
14 different type of analysis that would apply to,
15 you know, this -- asset class one would require or
16 interest rate swaps would require one sort of
17 analysis. Commodity, you know, energy commodity
18 swaps would require a different sort of analysis.
19 Or could the same type of analysis be applied?

20 MS. SPATT: Weil, I guess my starting
21 place would be to start with the same type of
22 analysis. But, you know, I guess I'd -- you know,

1 I'd want -- you know, I could be informed by the
2 particulars of the context if that common
3 framework was sort of missing something. But, you
4 know, I -- the reason I sort of laid out the
5 framework that I did earlier was that I think a
6 lot of the issues with respect to the nature of
7 size are relatively generic across different types
8 of products. Not to say that the levels -- not to
9 say that the right levels are the same, but the
10 sort of considerations that would go into size, I
11 think, are likely to be pretty common across
12 markets, but obviously very different levels, very
13 different sensitivities and the like.

14 MR. SHAPIRO: It's Peter Shapiro again.
15 I think it's a question really of standard versus
16 methodology. I think Chester's standard is the
17 right one. Is it market moving? Then you get to
18 the question of what's the methodology to
19 determine if it is market moving? One of the
20 methodologies I threw out would be the idea of
21 measuring transaction size versus market volume.
22 Market volume, however, is something that will be

1 difficult to measure in many of these instruments.
2 To the extent that there is an exchange traded
3 market for the instrument or a comparable
4 instrument, you could measure it by looking at
5 that disclosed market volume on an exchange trade
6 basis. That would be one methodology for doing
7 it.

8 But I -- at least I would recognize that
9 you're not going to have that methodology for
10 everything and, you know, there may be other
11 methodologies that you'd use that would still
12 share the same standard, which I think Chester
13 lays out correctly.

14 MR. PAYTON: I think the standard or the
15 idea, right, behind a particular methodology is
16 important, but you have to appreciate the
17 complexity of what it is that you're dealing with
18 all these different products. Even within
19 products at CME Group, we have different block
20 thresholds for U.S. hours, London hours, Asian
21 hours because there's different measures of
22 liquidity during different times of the day and,

1 you know, we -- when we develop our block
2 thresholds, are also trying to balance the issue
3 of complexity to the marketplace. You can't come
4 up with a methodology that's so complex that it's
5 difficult for people to comply and difficult to
6 enforce, right. So there has to be a balance
7 there and I think it's going to be very difficult
8 to, you know, articulate a true one size fits all
9 application of this that cuts across asset
10 classes, time zones.

11 MR. VOLDSTAD: I would sort of I guess
12 say something similar. I think Chester is talking
13 about an outcome. And how do you get to that
14 outcome? How do you know what the price is -- the
15 volume is that's going to move the market? And I
16 think you've got to look at a variety of different
17 variables -- the size of the trade relative to
18 turnover. You look at the complexity of the
19 transaction, the number of participants, the
20 amount of volatility that the product has.
21 There's a whole -- there will be a whole variety
22 of different variables that you need to put into

1 examining -- and a lot of it is going to be common
2 sense as well. You can use analogy from other
3 markets and I think it's going to be an art. I'd
4 do it one product at a time and do the most liquid
5 products at a time and keep checking them off
6 until you've got 95 percent of the market or
7 whatever your goal would be.

8 MR. SHILTS: Who would the panelists
9 envision making these determinations? Do they
10 think this is something that should be done by the
11 regulators or exchanges, SEFs, DFMs or whomever?

12 SPEAKER: You should handle that.

13 MR. PAYTON: I guess there's a couple of
14 issues from my perspective. One, I think that in
15 the interest of, you know, creating level playing
16 fields, I think that the kinds of standards that
17 we are talking about ought to be minimum standards
18 and I think the regulator can establish those
19 minimum standards and methodologies. But I think
20 that marketplaces ought to be free to determine
21 what's in the best interest of their marketplace
22 -- preserving liquidity, transparency,

1 competitiveness in their markets -- and be able to
2 make that determination.

3 MR. VOLDSTAD: And I would think that
4 would be the SEFs or the exchange, plus buy-side
5 and sell-side participants.

6 MR. WOLKOFF: You know I think it's a
7 different issue than it is in futures markets,
8 because, you know, here you have the open access
9 requirements and so you're dealing with a
10 fundability that you don't have in futures. And I
11 think it would be -- I'm unsure -- let me start
12 with that. It's -- Neal Wolkoff being unsure.
13 I'm unsure what the right answer is, but I know
14 that it's a -- it's potentially a bit confusing,
15 possibly maybe even chaotic if different execution
16 venues have different standards. And I know even
17 in futures, you know, it's difficult that there's
18 -- you know, you guys are relatively hands-off,
19 pretty hands-off on block levels and sometimes
20 that has an impact on competitive issues and the
21 like.

22 So, you know, I'd like to opine later

1 after thinking about it, but I'm not so sure that
2 this is the same type of transaction where it
3 should be open to everyone as opposed to more
4 like, you know, securities where you have a
5 threshold. It may not make any sense to anyone
6 anymore, but you have a standard. Everybody knows
7 the standard and that's how business is done.

8 MR. MASTERS: This is Mike Masters. I
9 would just say that someone -- as I mentioned
10 before -- someone has to determine the initial
11 standard and that's in my view the regulator. I
12 mean there has to be some initial standard that
13 people can sort of come -- get their arms around.

14 And then the other thing I would say
15 with regard to the question is that if you could
16 classify -- you divide out by class of transaction
17 and then you -- again, your goal is to normalize
18 it into its nearest listed counterparty. So if
19 you've got commodities (inaudible), that's pretty
20 easy. Or if you've got interest rate swaps, I
21 mean you're delta equivocating it back to its
22 nearest listed equivalent. Then you've got sort

1 of a quick, you know, comparison and
2 classification scheme where you can compare
3 over-the-counter markets to listed markets and
4 sort of make some sense out of it.

5 MR. COOK: Let me ask in terms of
6 methodology, it's been argued by some to us that
7 there are certain markets where there's a social
8 size of trade or fairly standardized level of
9 trading that could be used as a part of a building
10 block or measuring -- measurement of a block trade
11 and others where there aren't. I would just ask
12 if, in your experience, there are generalizations
13 that can be drawn and, if so, what product
14 categories do you think would lend themselves most
15 to that type of approach to the issue?

16 MR. SONG: Well, I'll have a go at this.
17 It's relatively the easiest for the most liquid
18 products say like interest rate swaps because you
19 can get data from banks and brokers as to -- like
20 data mining. How many trades have you done? What
21 is the maturity profile? What is the median
22 ticket size? What ticket size will put you in the

1 top tenth percentile? Those, I think, you would
2 have the relatively the least amount of hurdles to
3 derive those number scientifically.

4 Where it gets difficult is with the
5 products that might trade, like, once a month,
6 because then you've got the issue with these lumpy
7 trades, right. It could be very illiquid. Well,
8 you may not trade for a few months. You do this
9 gigantic trade and then you do very little trades
10 again and then another gigantic trade. But for --
11 again for the bulk of the over-the-counter
12 derivative market, for interest rate swaps and
13 plain vanilla options, I believe that that data is
14 relatively readily available.

15 MR. VOLDSTAD: I would think the same is
16 true for (inaudible) credit default swaps as it is
17 for various indices.

18 MR. SHILTS: Any other comments on that?

19 MR. SHAPIRO: This is going back one
20 step and that is the -- there would be a -- in
21 terms of the reporting obligation and like,
22 obviously there needs to be some adjustment for

1 where it's strictly over the counter between -- on
2 a bilateral basis, not going through exchange. So
3 you have to look at that as part of this.

4 MR. SHILTS: Keep moving on. Go ahead.

5 MR. GAW: The Dodd-Frank Act requires
6 the Commissions to take into account how public
7 dissemination of transactions will materially
8 affect liquidity. So and not just with respect to
9 block trades, but the whole public dissemination
10 regime in general. So, we welcome your thoughts
11 on that particular issue and in particular what
12 other market structure changes you might see
13 resulting from the introduction of a post-trade
14 dissemination regime.

15 MR. SHILTS: Anybody want to take a stab
16 at that?

17 MALE VOICE: You go first, Chester.

18 MS. SPATT: I'll go first and then
19 everybody will shoot at what I say, but -- I think
20 the introduction of a post-trade dissemination
21 regime would be a major change to the market. And
22 I think a very desirable change. And, you know, I

1 agree with the consensus of the panelists that it
2 does need to be phased in, but I would probably
3 actually counsel against trying to implement too
4 many types of structural changes all at the same
5 time because obviously there are important issues
6 -- as many of the panelists have commented on --
7 about how market participants can learn to adapt
8 to the new regime. And I did think in the case of
9 TRACE that the approach that was taken both by the
10 NASD and then kind of analogously the approach
11 that the municipal securities rulemaking board
12 took in sort of gradually rolling these initiative
13 out, both made a lot of sense and actually turned
14 out to be quite successful.

15 You know, part of the reason I also
16 think in terms of -- and I think these issues are
17 very important ones. I think they're important in
18 part for facilitating competition in these
19 markets. So much -- in the past, so much of the
20 attention of the financial regulators has really
21 been focused on the equity markets and to some
22 extent at times looking at kind of the most tiny

1 of trading cost differences. I think it's kind of
2 healthy to be taking kind of more seriously market
3 structure issues in other venues. But I do see
4 the issue of post-trade reporting as a big and
5 important issue.

6 Now, in some cases, you know, to the
7 extent that one goes to -- to the extent that
8 there's sort of evolution, I mean, you know, may
9 over time there's -- although I don't see this
10 happening so much in the near term. It may make
11 sense over time for there to be more move toward
12 exchange-types -- even more moves toward
13 exchange-types exchange clear -- more use of
14 exchange clearing. I mean, so far a lot of the
15 initiatives seem to be more in terms of clearing,
16 but not necessarily in terms of exchange trading.
17 I mean, that'll, I think, be an important issue
18 down the road. But I see that as sort of down the
19 road and I think -- you know, I think if the
20 public reporting regime works well and maybe
21 there's not even necessarily large benefits to
22 doing that.

1 MR. SONG: The only thing I'd like to
2 add is it may be worthwhile for this committee
3 also to perhaps assemble a group of major buy-side
4 participants who are the largest users and whose
5 trades are often times block and to get their
6 input and feedback into this process because
7 clearly the post-trader fact is going to have the
8 most dramatic effect on that group of end users.

9 MR. VOLDSTAD: We've done a fair amount
10 of that and especially with the very large firms.
11 They are concerned about block trading, inhibiting
12 liquidity and letting the freeloaders get able to
13 front run trades and so on. If I go back to your
14 original question, I think if the block trading
15 exemptions, if the post-trade transparency rules
16 are set out carefully with a lot of thought, I
17 think it will benefit public. If, on the other
18 hand, you destroy liquidity because you're too
19 strict, you're going to ruin the markets. So I
20 think this is sort of an approach that most of us
21 are advocating. Take a slow, careful approach.
22 Get a lot of feedback. Put the block trading

1 limits in, see how they're doing. Review them
2 every quarter or whatever it is. And you should
3 have a pretty good product.

4 MR. MASTERS: I would just say just in
5 terms of buy side and I'm on the buy side -- in
6 terms of transparency, that's a very big
7 consideration with everybody. Obviously, there is
8 a need for people's ability to get things done,
9 but there's also a huge need for transparency that
10 pretty much every institutional investor I talked
11 to agrees with that, you know, we've got to have
12 transparency. We've got to have a level playing
13 field. We can't have people having advantage over
14 other people in terms of trade reporting and so
15 forth. You know, the recent HFT issue of
16 collocation and all that. That's just been one
17 more issue for them to deal with where they feel
18 like they're being taken advantage of. So
19 transparency is really critical.

20 MR. SONG: If I may just add one -- it's
21 kind of a corollary point to this. Is the
22 development that's going to help transparency

1 significantly is actually a corollary to what
2 we're talking about. It's not necessarily
3 directly here. It's the development of a liquid,
4 widely- participated, electronic trading format in
5 like the swap execution facilities. So that if
6 you go to your screen, you can see 20 prices on
7 the bid side, 20 prices on the offered side for
8 200 million up. And that means that you will know
9 you can get 4 billion done with a click of a
10 button on one side or the other. That is
11 transparency and liquidity. It's -- to me that is
12 singularly the most powerful thing that delivers
13 price discovery information. I actually don't
14 believe that the reporting of the block trades --
15 it's important, but I believe this is actually
16 more important because this is what you see, this
17 is where the transactions predominantly occur and
18 this is what affects 99 percent of the
19 participants.

20 MR. SHILTS: Are you saying the trades
21 wouldn't be done as a block then? They'd be done
22 -- they'd be broken up or?

1 MR. SONG: Oh, no, no, no. What I'm
2 saying is that if you go into an electronic -- a
3 liquid electronic -- like a swap execution
4 facility that has a lot -- a number of
5 participants. And so, you know, you see a number
6 -- 20 people, 20 market participants on the bid
7 side, 20 participants on the offer side for a
8 large size. Then you got all the information you
9 need right there. That gives -- that levels the
10 playing field immensely for players in the
11 marketplace. Because --

12 MR. PAYTON: And that's true for liquid
13 products, right? Not every product is going to
14 build that kind of liquidity, right? I mean,
15 we've listed plenty of products that we've put on
16 a central limit order book, right, and the
17 liquidity didn't develop in that particular market
18 using that market mechanism. It's not to see that
19 there's not interest in trading that type of
20 market, but not every type of instrument is
21 necessarily best suited for central limit order
22 book if there isn't that massive liquidity to

1 create that nice deep market that you're talking
2 about.

3 MR. SONG: No, no. I agree with that.

4 MS. SPATT: I certainly agree that -- I
5 think of that as sort of a huge form of -- a drift
6 form a pre-trade transparency and obviously that
7 would be -- you know, that's wonderful for the
8 markets where that can arise. You know, it does
9 seem to me at the same time that for markets where
10 that -- it seems to me these issues of price
11 reporting are probably much more significant for
12 markets where you don't have that sort of
13 pre-trade liquidity.

14 I mean, one of things that is striking
15 -- now it's obviously a different kind of market,
16 but one of the things that is striking in the
17 studies of both municipal bonds and corporate
18 bonds was that the introduction of the TRACE and
19 analogous steps by the municipal securities
20 rulemaking board had the effect of improving price
21 discovery in those markets and in a sense,
22 post-trade -- in those contexts, post-trade

1 reporting was very helpful because it told the
2 customer -- now, keeping in mind that many of the
3 relevant customers were retail customers. But it
4 told them basically where the market -- it gave
5 them kind of an idea where the market was and so
6 it allowed them to kind of negotiate much better
7 with the dealers on the other side of the market.

8 MR. VOLDSTAD: I'm sorry for talking so
9 much. I think, again, one needs to remember that
10 the derivatives market is an institutional market
11 typically doing very, very large size. Typically,
12 they'll also ask several people for prices. I do
13 think though that say if you're looking at a
14 five-year, five-year forward in the interest rate
15 world, you might not be able to swap -- do that
16 transaction on one of these interdealer broker
17 screens, but you might also might also be able to
18 do this -- there was a fellow here from TradeWeb,
19 where they could probably put that kind of screen
20 with a request for bid and actually get prices for
21 that. So I think that would be a -- and that
22 probably would have a different block size issue

1 to it and so on. But I think as the market mature
2 more and more, as more and more electronic
3 platforms come to be, I think, you know, you're
4 going to get this improvement in transparency.

5 MR. SHAPIRO: Just to pick up on a
6 point, because one of the things that I often find
7 in discussion on these issues is that when we're
8 thinking about the public end user, too often
9 we're -- too often the example gets given to the
10 institutional investor. So much of what we're
11 really talking about end users here are members --
12 are public entities, nonfinancial corporations,
13 nonprofit entities like universities that are
14 looking to finance a facility, that are looking to
15 issue a significant amount of debt that they want
16 to put a hedge in place on, that they want to
17 convert from floating to fixed, that they know
18 they're going to borrow five years from now and
19 want to lock in today's interest rate environment
20 or anything of that kind. There's a public good
21 being served here. It's an important public good.
22 If that cost goes up significantly because, as I

1 think Connie put it correctly, because there's
2 information that's being put out there that people
3 can pick off. That, you know -- information is
4 being disseminated that really is principally
5 there benefiting professional traders or hedge
6 funds or proprietary trading desks. It's going to
7 hurt the end user who is trying to hedge and
8 important need and make his costs higher.

9 The important thing is trying to balance
10 that good. And when I think at least of balancing
11 the public goods that are out there, the public
12 good of the university trying to build a major new
13 facility, of the state of Illinois trying to
14 finance new schools, of a -- of any of those kinds
15 of things, in some ways should outweigh the public
16 good of professional traders wanting to get that
17 information a day earlier. So that if there --
18 if, when it's a large block -- and these are going
19 to be where the large blocks that we're talking
20 about often will come from -- a major new facility
21 being financed.

22 Somebody who is going to come into the

1 markets with something major all at once that
2 giving a little bit of the benefit of it out there
3 -- a one-day delay, a two- day delay or, in the
4 example I used before, as much as a five-day delay
5 if it were truly huge is something where there is
6 public good, which is probably more significant
7 than the other public good of giving professional
8 traders a jump on being able to take advantage of
9 that -- of knowing that position.

10 MR. SHILTS: Are you mainly talking
11 about interest rate swaps when you talk about the
12 one, five-day delay?

13 MR. SHAPIRO: The overwhelming portion
14 of our work is in the interest rate swap markets.
15 And that's, frankly, the overwhelming proportion
16 of the market as a whole when you look at it
17 statistically. So I think that's really where
18 we're looking at it. We're looking at hedging --
19 looking at people wanting to protect themselves
20 from risk or entities that are trying to protect
21 themselves from risk, not ones who are trying to
22 take a view.

1 MR. VOLDSTAD: But, Peter, you're
2 talking about an illiquid part of the interest
3 rate world -- relatively illiquid (inaudible).

4 MR. SHAPIRO: When it gets to big enough
5 size, I think we get the liquidity limits on an
6 awful lot.

7 MR. SHILTS: Is it mainly size or is it
8 the duration or?

9 MR. SHAPIRO: I think it's size relative
10 to instrument and relative to duration. I think
11 the other professionals would probably agree on
12 that.

13 MR. MASTERS: I think it's a bit of a
14 slippery slope. I mean, you know, certainly, you
15 know, hedges are important to a marketplace.
16 Speculators are important to the marketplace as
17 well. I think it is a slippery slope where
18 prioritizing one group over the other, there is
19 the chance, perhaps, that with enough
20 transparency, that one of those other participants
21 could potentially provide the liquidity to that
22 same institution that wasn't one of the current

1 participants. And so I think one of the ideas of
2 transparency is to incent other participants in
3 the market.

4 You know, it's hard to incent people in
5 a market when you're seeing data 5 days, 6 days
6 later and so that theoretical growth of the
7 market, which, you know, 200 million is not a big
8 trade 5 years hence or 2 years hence or whatnot
9 because the size of the market has gone to a
10 billion only really happens if, in fact, there's
11 enough transparency to attract market participants
12 to bring in enough other people where they decide
13 that they want to trade that market and it doesn't
14 -- it's not an exclusive club. So one of the --
15 and it's hard to measure that in terms of, you
16 know, right away. But one of the long-term
17 benefits of transparency is to incent other
18 participants other banks and swaps dealers and so
19 forth to get in these markets so that it's not a
20 small club. So there's a variety of other people
21 that can be involved.

22 MR. SHAPIRO: You know, to just continue

1 the debate a little on that point, though --
2 remember the end user trading to the dealer is
3 going to result in the dealer trading to the rest
4 of the market. That the dealer is almost never
5 going to host that position as his proprietary
6 position going forward. They don't do that. They
7 trade that out to the rest of the market on a
8 basis that starts instantaneously and continues
9 over the time that they'll need to hedge. So that
10 those other participants should gain that
11 information that will provide the incentive
12 structure that you're talking about.

13 What's more, we're not talking about
14 closing it off permanently. We're talking about
15 closing it off for a short time as was -- as I
16 believe was envisioned by the drafters of this
17 legislation when they put that block trade
18 exception in there. That was the idea, I believe,
19 behind that -- to recognize the liquidity effect
20 of certain amounts of size and illiquid
21 instruments. You know, at least in our
22 experience, if we see an end user who does

1 something and there is somebody else in the market
2 who says boy, that was a -- I could have done this
3 a whole lot better for you. Somebody will knock
4 on their door -- whether it's two days later or
5 three days later or five days later. It won't
6 make a difference that they didn't know about it
7 in one minute.

8 MR. MASTERS: I understand. Maybe we're
9 splitting hairs, but just -- and not to belabor
10 the point, but there's no implicit reason why the
11 institution or the hedger can't trade directly
12 with another institutional investor just like they
13 do on the CME or anywhere else. It doesn't matter
14 whether you're trading with a bank or you're
15 trading with anybody else. And the whole idea, I
16 think, of the Dodd-Frank legislation -- or one of
17 the ideas -- is to make that a wider, more
18 transparent market so that people don't have to
19 rely on the banks and balance sheets and the banks
20 don't have to grow to such giant levels because
21 they're the only players in town and so that other
22 people can do those transactions. And the only

1 way that's going to happen is for there to be a
2 certain amount of transparency.

3 And while I may want to do the trade a
4 week later or whatever, you know, or I can do the
5 trade after the dealer has taken his profit out of
6 the trade as a middle man, I would rather do it
7 directly as a customer than after the dealer has
8 taken out his bid offer and I bet I can narrow bid
9 offers for everybody down the road.

10 MR. VOLDSTAD: I think we're again
11 talking about something that's very unusual for I
12 think there to be a requirement for a multi-day
13 delay in reporting transaction. I -- there may be
14 a few situations in the municipal swap land. I
15 was around the derivative market for a long, long
16 time and don't know of that many unusual trades
17 that would be damaged by having a weeks -- well,
18 by having to have a weeks delay. There may be
19 some transactions -- unusual indices and
20 commodities and so on -- but I think the vast,
21 vast majority of stuff could easily get reported
22 on in some fashion the same day. The vast, vast

1 majority of interest rate products could be
2 reported on very, very quickly.

3 I think the transactions that Peter is
4 talking about you couldn't do because they're not
5 clearable and they're going to be years and years
6 before they're clearable. And an awful lot of the
7 exotic stuff -- the stuff that caused the crisis
8 -- is never going to be clearable and you've got
9 to recognize that. You can't figure out what the
10 value of an NRCDO is -- CDL or CDOs. These things
11 just are not -- you know, you can't price it ahead
12 of time.

13 MR. MASTERS: Which gives some social
14 aspect to their benefit in the first place I
15 imagine. I mean, the need to do them in the first
16 place from the standpoint of being on a bank's
17 balance sheet or whatnot.

18 MR. LEAHY: We're plum out of questions.

19 MR. SHILTS: Does anybody have any --
20 since we have a few more minutes, anybody have any
21 other comments they want to make or we can end
22 this one a little early. Go ahead.

1 MR. SHAPIRO: Just one quick one, and
2 again on my colloquy back and forth with Mike and
3 that is that if you looked the typical
4 transactions that we see with end users, whether
5 they're universities or hospitals or city
6 governments. They typically are ones that have
7 extensive amortization, specific matching to dead
8 issuance, all sorts of tailoring that make them
9 particularly ill-suited to trading on a one-to-one
10 basis with a, you know, with a hedge fund or with
11 a proprietary trader. It might occasionally
12 happen. I would welcome it and I think that one
13 of the things that makes sense is that as
14 transparency grows, maybe you'll start to see
15 that. But it would be disingenuous to sort of
16 leave it hanging to think that it would be likely
17 for a hedge fund to, you know, approach the
18 Fayetteville, North Carolina, Public Works
19 Commission and say we're going to purchase
20 something that will exactly match your new debt
21 issuance for your new water and sewer plant.

22 MR. SHILTS: Okay with that.

1 MR. VOLDSTAD: I'll say one thing if I
2 may. Just I think my big push on this is that one
3 has to realize what the market is about. It's
4 about sophisticated large institutions by and
5 large much, much smaller in terms of participants
6 than you'd have in an exchange-traded marketplace.
7 Typically, we're not dealing with widgets,
8 especially in things like credit default swaps.
9 You'll have at least 40 different contracts for
10 every single named corporate. And, indeed, you
11 could multiply that by the number of coupons that
12 the markets are trading and whether they're having
13 restructuring provisions or not.

14 On the other hand, I think there are a
15 lot of very, very liquid transactions --
16 marketplaces like in the interest rate world.
17 They'll be much less liquid, much less continuous
18 than the futures world, but something where I
19 think you can get some very good social benefits
20 out of swap execution facilities and out of the
21 post-trade transparency.

22 MR. SHILTS: All right. Well, thank you

1 very much. And thanks to all the panelists and it
2 was a very good discussion today and I guess this
3 will end the roundtable. Tomorrow we have the SEF
4 roundtable at the SEC.

5 (Whereupon, the PROCEEDINGS were
6 adjourned.)

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1 CERTIFICATE OF NOTARY PUBLIC

2 I, Carleton J. Anderson, III do hereby
3 certify that the witness whose testimony appears
4 in the foregoing hearing was duly sworn by me;
5 that the testimony of said witness was taken by me
6 and thereafter reduced to print under my
7 direction; that said deposition is a true record
8 of the testimony given by said witness; that I am
9 neither counsel for, related to, nor employed by
10 any of the parties to the action in which these
11 proceedings were taken; and, furthermore, that I
12 am neither a relative or employee of any attorney
13 or counsel employed by the parties hereto, nor
14 financially or otherwise interested in the outcome
15 of this action.

16 /s/Carleton J. Anderson, III

17

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