

UNITED STATES OF AMERICA
COMMODITY FUTURES TRADING COMMISSION

MARKET RISK ADVISORY COMMITTEE MEETING

Washington, D.C.
Tuesday, April 26, 2016

1 PARTICIPANTS:

2 Opening Statements:

3 CHAIRMAN TIMOTHY G. MASSAD

4 COMMISSIONER SHARON Y. BOWEN

5 COMMISSIONER J. CHRISTOPHER GIANCARLO

6 Panel I: How Well Are Our Derivatives Markets
7 Functioning From Market Participants, Particularly
8 End Users?

9 JOHN NIXON, Group Executive Director at Americas
10 for ICAP

11 KRISTEN WALTERS, Managing Director, Risk and
12 Quantitative Analysis, BlackRock

13 RANA YARED, Managing Director Securities
14 Division, Goldman Sachs

15 LUKE ZUBROD, Director of Risk and Regulatory
16 Advisory, Chatham Financial Group

17 JERRY JESKE, Group Chief Compliance Counsel,
18 Mercuria Energy Trading

19 GLENN MACKEY, Chief Risk Officer, NRG Energy

20 TOM COYLE, Vice President and General Manager,
21 Chicago and Illinois River Marketing

22 ANGELA PATEL, Fixed Income Trading Assistant,
Putnam Investments

Panel II: How is the Market Using Portfolio
Compression Today?

ED PLA, Managing Director, Head of Clearing
Execution, UBS Investment Bank

PARTICIPANTS (CONT'D):

1 LUCIO BIASE, CEO and Founder and LMRKTS

2 CLAIRE LOBO, Global Head of Business
3 Development, Markit Trade Processing

4 DENNIS MCLAUGHLIN, Group Chief Risk Officer, LCH
5 Clearnet

6 MICHAEL MODLOCK, Head of triReduce North
7 America, TriOptima

8 KIM TAYLOR, President Global Operations,
9 Technology and Risk, CME Group

10 Other Participants:

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12 CFTC

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1 PARTICIPANTS (CONT'D):

2 STEPHEN BERGER, Director, Government and
3 Regulatory Policy, Citadel Investment Group

4 SUSAN O'FLYNN, Managing Director, Morgan Stanley

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1 P R O C E E D I N G S

2 (10:04 a.m.)

3 MS. WALKER: Good morning. As MRAC
4 designated federal officer is it my pleasure to
5 call this meeting to order. Before we begin this
6 morning's panel I would like to turn to
7 Commissioner Sharon Bowen, the MRAC sponsor for
8 the welcome. Chairman Massad, Commissioner
9 Giancarlo and Commissioner Bowen will then give
10 their opening remarks.

11 COMMISSIONER BOWEN: Okay. I won't be
12 redundant but I will say welcome again. Mr.
13 Chairman, would you like to make a few opening
14 remarks?

15 CHAIRMAN MASSAD: Sure. I will also be
16 very brief. Thank you all very much. I want to
17 thank Commissioner Bowen and her staff,
18 particularly Petal and all the members of the
19 Market Risk Advisory Committee for all the work
20 that's gone into today's meeting and for being
21 here. I'd like to also welcome all of you in the
22 audience as well as anyone listening on our

1 conference line.

2 I'm certainly pleased to be here along
3 with Commissioner Giancarlo. You know, these
4 meetings are very, very valuable to us. They're
5 valuable not just for the input but also to have a
6 discussion and an exchange of ideas. And so I
7 know we're all looking forward to a very
8 productive meeting today.

9 We'll consider two important topics.
10 The first one is how the derivatives markets are
11 functioning for market participants and in
12 particular, the commercial end users who use them
13 every day to hedge commercial risk. It's
14 obviously a big question to cover in less than two
15 hours particularly given that the markets are
16 different for different products. But I look
17 forward to the discussion. I'm sure we'll get
18 into a discussion of liquidity.

19 It's an issue that's received a lot of
20 attention lately. In particular as to whether
21 post-financial crisis reforms how those might have
22 affected liquidity. I believe we must always be

1 willing to look at such issues and be willing to
2 make adjustments if necessary. And I've noted,
3 for example, my concern about the potential
4 effects of the leverage ratio on clearing.

5 But we must also recognize that there
6 are always many forces beyond regulation that
7 shape liquidity and market structure. And so we
8 must make sure any analysis is grounded in facts
9 and not just suppositions. I'm also pleased that
10 the panel will focus in particular in thinking
11 about these issues on commercial end users.

12 As commissioners, all three of us, I
13 think have sought to be very attentive to the
14 concerns of commercial end users. And since we
15 all took office in June of 2014, the CFTC has
16 taken a number of actions to ensure that those
17 businesses can use the markets effectively and
18 efficiently. We've also taken steps to improve
19 trading and access to the markets generally
20 including with respect to swap execution
21 facilities.

22 To that end, we've recently permanently

1 registered SEFs and have fine-tuned some of our
2 trading rules and I hope that the Commission can
3 consider a codification of those adjustments as
4 well as potentially other changes to enhance SEF
5 trading and participation in the near future.

6 We've also issued proposals on cyber
7 security and automated trading which go to broader
8 issues of market function and we are working on
9 finalizing rules on position limits. So I look
10 forward to continuing all this work and to the
11 input of market participants so that we can ensure
12 transparency, fairness and integrity in trading
13 and create conditions that attract participants to
14 our markets.

15 Second, we will explore issues related
16 to the use of portfolio compression. This is an
17 important tool to manage risk but I would note
18 that as with the word liquidity, people can use
19 the term to mean very different things. These can
20 range from strategies that simply reduce notional
21 amount to those that change the risk profile and
22 may even increase notional amount.

1 So I look forward to hearing more about
2 the types of portfolio compression strategies
3 being used and the implications of those different
4 strategies. So again, thank you all for coming.
5 Thanks to my fellow commissioners and the CFTC
6 staff and I look forward to what I am sure is
7 going to be a very constructive exchange of ideas.

8 COMMISSIONER GIANCARLO: Thank you,
9 Chairman, and thank you, Commissioner Bowen.
10 Market participants know that trading liquidity is
11 the lifeblood of healthy financial markets. Today
12 there are increasing concerns that trading
13 liquidity has been fundamentally changed in many
14 asset classes and many markets and not just
15 markets overseen by the CFTC.

16 Accounts of liquidity constriction
17 extend from US Treasury securities to German bonds
18 to corporate bonds to equities to US and Euro
19 interest rate swaps, single name credit default
20 swaps, cross currency swaps, repos and energy
21 swaps and futures. I've been speaking about
22 diminished trading liquidity for well over a year

1 now but similar concerns have been voiced by the
2 IMF, the Bank for International Settlements, the
3 Bank of England, Fed Chair Janet Yellen, Stephen
4 Schwarzman of Blackstone and noted economists,
5 Nouriel Roubini and Mohamed El-Erian.

6 While some central bankers voice
7 skepticism to a lack of quantitative evidence of
8 illiquidity, there is real concern amongst those
9 with financial market understanding and
10 responsibility. Quantifying liquidity is
11 certainly challenging but it's not impossible. It
12 is more easily qualified through a range of
13 characteristics such as market depth, width,
14 volume, resiliency, immediacy, participation and
15 turnover.

16 There is only small comfort in accounts
17 of narrow bid offer spreads amid so much evidence
18 of deterioration in the quality of many of these
19 other fundamental liquidity characteristics.
20 Diminished trading liquidity and the sharp
21 volatility spikes that follow are rising threats
22 to the healthy functioning of our markets.

1 My informed and considered view is that
2 a significant, although not the sole, but a
3 significant cause of reduced trading liquidity is
4 the aggregate impact of uncoordinated regulatory
5 policies of US and overseas bank prudential
6 regulators imposed in the wake of the financial
7 crisis. Most of these disparate regulations have
8 the effect of reducing the ability of many small,
9 medium and large financial institutions to deploy
10 capital in trading markets.

11 The question that must be asked is
12 whether the amount of capital constraint
13 prudential regulators are placing on financial
14 institutions is at all calibrated to the amount of
15 capital those institutions need to deploy to
16 support market health and vibrancy. Those of us
17 with daily responsibility for overseeing financial
18 markets need to ask that question.

19 We must understand the full implications
20 of constrained capital on market health and
21 resiliency and the ability of financial markets to
22 underpin sorely needed US economic growth.

1 Vibrant capital and financial markets are
2 essential to American free enterprise. And free
3 enterprise is essential to American freedom and
4 prosperity.

5 Needless to say, today's discussion is
6 very timely. Today's second panel will explore
7 portfolio compression. In my January statement on
8 the final rule for margin requirements for
9 uncleared swaps, I expressed some disappointment
10 that the Commission decided to treat the results
11 of portfolio compression of legacy swaps as new
12 swaps subject to the margin rule. I warned that
13 this may well discourage portfolio compression and
14 I urged the Commission to revisit the issue.

15 In the preamble to the final rule, the
16 Commission expressed openness to further
17 consideration and I'd be pleased to know of any
18 progress in that regard. I believe that portfolio
19 compression is of great benefit to the safety and
20 soundness of the market. And I believe it should
21 be incentivized not penalized. Thank you all for
22 participating in today's very important

1 discussion.

2 COMMISSIONER BOWEN: Thank you. Welcome
3 to the first 2016 meeting of the Market Risk
4 Advisory Committee. I'm excited to sponsor this
5 committee which is composed of a broad
6 cross-section of market participants. I'd like to
7 first thank the Chairman and Commissioner
8 Giancarlo for being here today and their support
9 for the work of this committee.

10 I also would like to extend a thank you
11 to our MRAC members for bringing your passion and
12 expertise to these important issues. Thank you as
13 well to the staff, the Division of Market
14 Oversight and the Office of the Chief Economists
15 for providing technical support for this meeting.
16 And last but not least, thank you to the
17 logistical staff who worked behind the scenes to
18 put everything together today.

19 One of the goals of MRAC, as noted in
20 our charter, is to assist the Commission in
21 identifying and understanding the impact and
22 implications of an evolving market structure.

1 This is a very important role for this committee.
2 Our markets have undergone a transformational
3 change in how they function today. So it is
4 extremely helpful to hear about the changing
5 structure of our markets for a cross-section of
6 market participants.

7 To that end our first session focuses on
8 how well our derivatives markets are functioning.
9 We will hear directly from end users and other
10 industry representatives about things such as
11 their ability access liquidity, effectively hedge
12 and allow for price discovery.

13 There are a number of questions that are
14 specifically on my mind. First as a commission we
15 recently permanently registered 18 swap execution
16 facilities. How are market participants using
17 these SEFs? What are the positives and negatives
18 of SEF use? How can we improve the way SEFs
19 function?

20 Second, the role of introducing brokers
21 appears to be undergoing major changes in our
22 markets. How are IBs being used today? Do our

1 rules, which were made for the IBs of the past,
2 fit the IBs of today?

3 Third, how have changes in technology
4 altered the ways in which market participants
5 access the various markets? Have these changes
6 introduced new risk? And if so, how can our rules
7 better identify those risks and regulate
8 appropriately?

9 And last, there has been a great deal of
10 discussion recently about the level of volatility
11 and liquidity in our markets. What are our market
12 participants experiencing in regard to volatility
13 and liquidity? I'm particularly glad that this
14 discussion is broken up by product class so that
15 we can get a more complete nuanced picture of the
16 different markets we regulate.

17 I'm specifically interested in learning
18 more about how effectively our end users in
19 agriculture, energy and other commodities are able
20 to find counterparties for their vital hedging
21 functions. Our second session is also extremely
22 important.

1 Based on the data we have collected,
2 portfolio compression is widespread in our
3 markets. It is imperative that we learn as much
4 as we can about a practice that plays such a
5 significant role in our markets today. I look
6 forward to both of these panels and a constructive
7 discussion. And I will now turn it over to Ms.
8 Walker who will introduce the first facilitator in
9 the panel.

10 MS. WALKER: Thank you for your opening
11 remarks. As noted in today's agenda our first
12 panel discussion will cover how well are our
13 derivatives markets functioning from market
14 participants, particularly end users?

15 Before we begin, I would like to note
16 that we have members of our staff here on hand to
17 answer questions and clarify current law and
18 practice. Our director of the Division of Market
19 Oversight, Mr. Vince McGonagle, and our Chief
20 Economist, Sayee Srinivasan.

21 I would also like to introduce Mr. John
22 Nixon, Group Executive Director at Americas for

1 ICAP, who will facilitate and help shape the
2 discussions during the first panel.

3 MR. NIXON: Thank you, Petal. On behalf
4 of all the MRAC committee members, I would also
5 like to extend my thanks to Chairman Massad and to
6 Commissioner Giancarlo for participating today.
7 With particular thanks to Commissioner Bowen for
8 organizing the MRAC committee and, of course, to
9 Petal who's done an incredible job of putting this
10 all together and keeping everybody in line. So
11 thank you to all of you.

12 A couple of logistical announcements
13 before we move on with the first panel. We'd ask
14 that anybody who is speaking to please make sure
15 that your mic is on and can you please make sure
16 that you are leaning forward speaking into the mic
17 so that people that are on the audio or Webcast
18 can actually hear you. When you finish speaking,
19 we'd ask that you please turn off your mic.

20 If you would like to speak, please just
21 turn your card up and we will make sure that we
22 give you an opportunity to participate in any of

1 the discussions that you would like to be part of.

2 Today we have a lot on the agenda for
3 the first panel. I'm not going to go through all
4 of the questions that we have provided to some of
5 the speakers as Sharon has just spoken about a lot
6 of her interests and what she would like to hear.
7 And I am -- I will not go through each question
8 while we are going through the various segments.

9 But let me just start off by at least
10 thanking and introducing the people that we have
11 asked to speak today on the various products.
12 First of all, on the CDS and IRS section, Kristen
13 Walters is here from BlackRock. Rana Yared is
14 here from Goldman Sachs and Luke Zubrod is here
15 from Chatham Financial.

16 On the energy section, we have Jerry
17 Jeske from Mercuria, Glenn Mackey from NRG. On
18 the agricultural section, Tom Coyle is here from
19 Chicago and Illinois River Marketing. And for
20 foreign exchange we have Angela Patel who is here
21 representing Putnam.

22 So thank you to all of you for taking

1 the time to put some thoughts into these questions
2 and helping us lead these discussions. As we
3 said, we have quite a bit to cover in a short
4 period of time. So I would ask that everybody be
5 as prompt as they can in responding to the
6 questions that they've been given to discuss so
7 that other people on the committee can actually
8 weigh in on their particular views.

9 So let us start off with the IRS
10 section. As I said, everybody has the agenda and
11 the question and I'm going to turn the floor over
12 to Rana to start things off.

13 MS. YARED: Thank you, John, and thank
14 you to the Commission for having us here. I want
15 to start by saying that Goldman Sachs has been a
16 supporter of electronic trading for many years.
17 Since 2010 we have been advocates here at the
18 CFTC, at other regulators and at industry forums
19 for the movement of the most liquid points, the 2,
20 5, 10, and 30-year in interest rates swaps and the
21 5-year point in the on the run CDS index to order
22 books be that in their native OTC form or in

1 futures.

2 We believe that a healthy market
3 structure requires our clients to be able to both
4 trade the most liquid products in a pre-trade
5 anonymous order book and to access dealer
6 liquidity on a disclosed basis for larger,
7 non-benchmark trades that do not facilitate
8 themselves for order book trading. It is this
9 point that has led us to work with market
10 infrastructure providers to create central limit
11 order books and RFQ platforms for interest rate
12 and credit products globally not just here in the
13 US.

14 We have been users of SEFs since their
15 inceptions and used them both on an electronic and
16 voice basis. In the cases where we use the SEFs
17 on a voice basis, we are both intermediated by
18 introducing brokers and directly facilitated by
19 members of the staff. In the nearly two and a
20 half years since the inception of SEFs we have
21 seen markets evolve in a manner that is specific
22 to the products and the needs of each market

1 participants.

2 We wish to note that we welcome the open
3 membership model of the SEFs and believe that in
4 certain respects it has been accretive to
5 liquidity in the market. We also wish to
6 acknowledge the burden that the commercial end
7 users who trade infrequently have by needing to
8 connect to some of these electronic SEFs.

9 In the CDS market specifically, we have
10 seen the market continue to evolve and respond to
11 SEF rules paired with its own market condition.
12 This evolution has included an increase in fully
13 anonymous order book trading. By that I mean
14 anonymous on both a pre and post-trade basis for
15 the on the run index five year point.

16 It's worth keeping in mind that unlike
17 the rates market, the credit market does not have
18 a liquid hedging instrument as a future. In the
19 case of the rates market, it's what we -- it's the
20 5 year and the 10 year on the CME known in the
21 industry as the FY and the TY.

22 The credit market also has more

1 concentrated market participants in terms of the
2 breadth of the user base and less structural
3 hedging where matching of exact cash flows is
4 needed by our clients. While SEF execution has
5 been beneficial in offering enhanced transparency
6 to the market in a more stable market environment,
7 we have noted that in more volatile conditions, we
8 have seen a drain or evaporation of liquidity even
9 in the credit market.

10 We also think it's worth noting that
11 market adoption of order book trading has been
12 encouraging in the last few months. While we
13 don't feel comfortable sharing the exact numbers
14 as they belong to the market infrastructure
15 providers, we'll leave it to them to share those
16 with you. We would note that since about October
17 of last year to present we have seen an increasing
18 uptake of central limit order book trading and
19 credit index swaps. And that while that number is
20 still nominal, we believe that this is the start
21 of a greater trend. Again, a trend that is
22 specific the types of users and types of products

1 that exist in the credit market.

2 Anecdotally, market participants have
3 told us in the credit market that they find SEF
4 execution complexities for packaged trades to be
5 incredibly challenging including for when you have
6 a MAT trade against a mandatorily cleared but not
7 MAT swap which is about two times the off the run
8 market versus the on the run market. And that
9 these complexities have been an impediment to role
10 transactions that used to be incredibly frequent
11 and routine in the pre-SEF world.

12 Again, in the spirit of answering the
13 specific question about we believe this has
14 impacted commercial end users, we believe that
15 this reflection of challenges from our clients is
16 on such example. Turning to the rates market.

17 Our clients continue to reflect to us
18 that they wish to trade in RFQ or RFS fashion in
19 order to obtain or hedge exact risk and because
20 they believe that there's a benefit associated
21 with the relationship that they have with the
22 various dealers with whom they transact. In

1 interest rate products, the dealer community has
2 historically tailored trades to the hedging needs
3 of clients and then, risk-managed those trades in
4 a more generic fashion in the inter-dealer market.

5 We call it specific versus generic
6 trading. In this respect, we have seen the
7 inter-dealer brokers very naturally develop
8 central limit order books around, again, those
9 benchmark points. Because it's historically been
10 in that environment where market participants have
11 done their more generic hedging. And therefore,
12 it should be more conducive to order book trading
13 because the liquidity is congregated around
14 specific points. We have seen these order books
15 developed specifically at three of the
16 inter-dealer brokers, ICAP, Tradition, and
17 Dealerweb, a subsidiary of Tradeweb. And we
18 believe that the development of these order books
19 in more than one venue is a reflection of the
20 comfort which the dealers have in trading in a
21 central limit order book fashion for appropriate
22 products.

1 Again, we note that the open market
2 model has been accretive to liquidity and this
3 particular venue of trading, though, on the whole,
4 liquidity in the inter-dealer markets has
5 decreased in both the dollar and the Euro market.
6 To give a specific example which I've given before
7 and retested prior to coming to this meeting, if
8 you look at the interest rate market today of one
9 of our clients which is to trade 25K of DV01 they
10 have a wash of choice. 10 to 15 dealers or
11 market-makers are willing to make them a price in
12 that particular instrument.

13 We find that our clients are reflecting
14 to us that they are much more challenged in the
15 cases where they wish to do, let's say 250K of
16 DV01 which, for the professional traders in this
17 room will note, it's actually not that big of a
18 size. There they find that they either have to
19 break up their trade into multiple sizes or that
20 the price becomes enormously expensive versus what
21 they're used to having.

22 I do want to take a moment to pause on

1 the European market to show that these phenomenons
2 (sic) are actually not unique in the US market.
3 Risk Magazine in September 2015 actually did a
4 study on the Euro swaps market to show that in
5 fact significant pressures had changed the nature
6 of that market. They posited that the pressures
7 from capital and reduced liquidity in the Euro
8 interest rate swap market and the future market
9 called the Bund in Europe, should suggest higher
10 prices for our clients and significant inability
11 to transact.

12 Their studies showed that the size
13 available for Euro interest rate swaps was
14 actually one-half that which it was two years
15 prior at the touch. Meaning immediately
16 executable and that the depth in the Bund traded
17 on Eurex was one-half the size it had been in
18 their previous measurement period.

19 Just to give the group a sense, the Bund
20 accounts for about 80 percent of all the initial
21 hedging that happens in the Euro interest rate
22 swap market. It's like losing the ability to

1 hedge with the TY or the FY here in the US. At
2 the same time, their study noted that clients had
3 reflected back to them that pricing had remained
4 largely unchanged which is good for commercial end
5 users but that they found that liquidity was very
6 challenged in the market which clearly is
7 something that we all wish to address and remedy
8 in a manner that is productive to the interest
9 rate market.

10 Some would argue that the market
11 structure in rates has not been conducive to
12 liquidity improvement specifically because of the
13 lack of a fully anonymous central limit order book
14 both pre and post-trade. We believe that this
15 argument is a red herring and look specifically to
16 the experience that we've seen on Bloomberg where
17 a fully transpa -- fully anonymous pre and
18 post-trade order book exists in both interest
19 rates and credit derivative swaps but only volume
20 has picked up on the credit derivative swaps.

21 We believe this is indicative of the
22 previous point that I had made which is that our

1 clients in the interest rate swap market largely
2 but not exclusively wish to match specific cash
3 flows and therefore, want to do specific and
4 (inaudible) trading which can only be facilitated
5 in an RFQ model.

6 In closing, we believe that SEF
7 implementation has met the CFTC's goals of
8 enhanced electronic trading and we acknowledge
9 that the market's response to the rule set is
10 still ongoing and hope that we can be a productive
11 member of the ongoing response. Thank you.

12 MR. NIXON: Thanks, Rana. Kristen, can
13 I turn it over to you?

14 MS. WALTERS: Absolutely. Thank you
15 very much to the Commissioners for having us and
16 particularly to Commissioner Bowen. I am very
17 happy to be participating in MRAC, the committee.
18 I think that we have over the last 12 months
19 actually done some -- had some very important
20 dialogue around key topics that affect --

21 COMMISSIONER BOWEN: Kristen, can you
22 just lean in a little bit closer?

1 MS. WALTERS: Sorry.

2 COMMISSIONER BOWEN: Thanks.

3 MS. WALTERS: Okay. Can you hear me
4 now? Sorry. Do I need to start over or did you
5 catch any of that? Anyway, my sincere thanks to
6 Commissioner Bowen.

7 I think that in a very collegial,
8 thoughtful and deliberate way, she has brought us
9 together as a group with varying views in a
10 collaborative fashion and allowed us to tackle
11 many issues affecting risk. Issues that, you
12 know, we're very concerned about from a BlackRock
13 perspective in a highly productive way and I would
14 say in general we concur, at least 90 percent with
15 some of the specific dialogue that we've had as
16 part of this committee. So thank you very much
17 Commissioner Bowen for all of your efforts and
18 ongoing efforts.

19 I would like to start this session and
20 just speak briefly to BlackRock's views on market
21 liquidity particularly in the fixed income market
22 space. And I'd like to talk about both bonds and

1 derivatives because they are structural in the
2 sectoral changes in liquidity in both markets and
3 the two markets are juxtaposed and very dependent
4 on each other.

5 From our perspective, many of the
6 changes are actually happening in bond markets but
7 the proper functioning of centrally cleared for
8 standard rates and credit products is absolutely
9 essential to the functioning of the bond market
10 itself. We use both rate and CDS extensively not
11 only as hedging instruments but also as risk
12 transfer mechanisms. So it's very, very important
13 that both of these markets operate efficiently and
14 in tandem.

15 So I think we would agree that there has
16 been a very marked structural change in liquidity
17 markets particularly in the fixed income space
18 post-financial crisis. We view this as a direct
19 consequence to actually appropriate regulatory
20 changes to stabilize the banking sector and ensure
21 sufficient dealer capital liquidity and reduced
22 leverage. We do not feel that this has created a

1 liquidity crisis but it has fundamentally changed
2 the structure of both the bond and derivative
3 markets.

4 And we feel that it -- there are
5 necessary changes that have to happen from an
6 infrastructure perspective to support a very
7 discernible shift that has occurred from pure
8 principal trading in bond markets where dealers
9 essentially have balance sheets and inventory and
10 are able to intermediate risk and make markets to
11 much more of a hybrid agency principal market.
12 Not the same as the equity market because given
13 the differences in idiosyncratic nature and fixed
14 income products, we can't have a purely agency
15 model in fixed income. But we do need to be
16 supportive of changes that have to happen with
17 clearing of derivatives, with electronic venues,
18 all to all trading in order to support this
19 market.

20 So as a large asset manager, and I do
21 think we have an advantage here and I think Rana's
22 comments about smaller market participants and I

1 think the impact on smaller market participants of
2 many of the things that we're talking about today
3 is much more pronounced. And I think that's the
4 area of the market that we need to focus on to
5 make sure that we can have healthy liquidity in
6 the markets going forward.

7 So on a daily basis, we don't experience
8 liquidity issues in the market given our size and
9 our investment in infrastructure and electronic
10 trading and straight through processing systems.
11 What that means is that every day we're actually
12 -- our traders who we physically separated from
13 portfolio managers four years recognizing the
14 importance of focusing on trading and the evolving
15 markets, they are able to close each trading day.
16 And essentially with having all trades executed
17 effectively.

18 So we do not experience situations where
19 we are unable to transact in markets on behalf of
20 clients. However, we have had to fundamentally
21 change our trading approach including breaking up
22 our trades into smaller pieces and acting more as

1 a price-maker. And when I say that I don't mean a
2 market-maker, as well as a price-taker.
3 Historically, we were price-takers from Goldman
4 and Morgan Stanley and others.

5 And increasingly we reach out to
6 regional dealers, other market participants and we
7 are assertively making prices and we've
8 implemented technology to enable us to do that in
9 an efficient that we're going to keep investing to
10 make this happen. So given the shift in markets,
11 I do think it's more difficult for smaller market
12 participants. Clearly, we've invested in
13 technology over many years. That can create
14 significant barriers to entry to smaller players.

15 So I think we should be very mindful of
16 that when we talk about some of the issues today.
17 So again, derivatives are critical to the proper
18 functioning of the bond markets as a risk transfer
19 mechanism. BlackRock has also participated in
20 SEFs since inception. 100 percent we're mandatory
21 and in other instances we use a combination of
22 voice execution and SEF processing in

1 non-mandatory products.

2 We appreciate the CFTC's efforts in
3 developing SEFs and related trade execution
4 regulatory frameworks particularly recently in the
5 available, sorry, particularly what's available to
6 the -- made available to trade determination
7 process. I think that progress has been made but
8 there's still work to be done. I would reference
9 that we participated in a letter that SIFMA
10 provided to the CFTC earlier this year on SEFs and
11 trade execution. I think in general it's
12 consistent with some of the comments that both
13 Chairman Massad and Commissioner Bowen have
14 recently made publicly.

15 And in particular, I would just like to
16 cite that broadly we're very much in agreement
17 with, Commissioner Bowen, your comments at George
18 Washington Law earlier this year and recent
19 comments by Chairman Massad. So I think we agree
20 whole-heartedly in the work that the CFTC is
21 trying to do in this space.

22 What I would say and I apologize, just

1 turning to my notes, that so the positive aspects
2 of SEF from our perspective is absolutely
3 improving transparency, encouraging broader market
4 participation and more at time of trade
5 transparency. I would echo kind of Rana's
6 comments that the SEFs do add operational
7 complexity not necessarily for us because our
8 pipes are in place. But I think they do for
9 smaller players in the market.

10 The ability or the need to connect to
11 multiple SEFs and entities between SEFs and the
12 clearing house makes it more expensive to manage
13 from an infrastructure perspective. I think that
14 we have 18 registered SEFs today. Each SEF has
15 nuances and they are not the same. Also there are
16 a number -- there's only a very small number of
17 SEFs that have the sufficient levels of volume to
18 allow us to provide the level of liquidity in
19 markets that we think is required.

20 So I think and I believe Commissioner
21 Bowen and Massad have made comments on this. We
22 are 100 percent supportive of consistency and

1 standardization of trading at SEFs as well as the
2 overall SRO framework that's been discussed
3 recently. One issue that I will note we do not
4 connect to CLOBs today. We would like to. The
5 impediment is the average pricing that we have in
6 futures markets more broadly is not currently
7 available in swaps.

8 I think and this is cited in a very
9 detailed fashion in the letter to SIFMA that we
10 participated in but I think it's important to
11 mention and again, echoing Rana's comments that
12 package transactions are a very important part of
13 the swaps markets and for all firms to hedge and
14 allocate risk. So we're appreciative of the
15 CFTC's extension of the no action relief for
16 package trades and we agree with, we hope for CFTC
17 adoption of a permanent package transaction,
18 regulatory framework.

19 From our perspective, the packages
20 should not be subject to the trading mandates
21 solely because one or more of the swap components
22 meet the requirements for the MAT determination

1 process. And we do think that the RFQ to three
2 execution method may be inappropriate for package
3 transactions. So we would certainly like some
4 focus on the package transaction topic in general
5 and I think very consistent with the approach that
6 I believe the CFTC has been taking.

7 From a CDS perspective, we also use SEFs
8 for all of our index products and we are starting
9 to clear single name CDS and expect to do
10 significantly more in the third quarter. From our
11 perspective, it's very, very important for a
12 proper functioning credit markets to have both the
13 index and single name CDS when their standard
14 cleared in part of the SEF process. And we would
15 just state that without a single name market it's
16 very, very difficult for the credit markets to
17 function. And that's all for my prepared
18 comments. Thank you very much.

19 MR. ZUBROD: Hi, my name is Luke Zubrod
20 from Chatham Financial and let me just start by
21 framing the basis for Chatham's perspective on
22 interest rate markets. Chatham's the largest

1 advisor and technology provider to end users both
2 financial and non-financial end users. The common
3 theme for all of our 1,800 clients is that they
4 use derivatives for hedging purposes not for
5 speculation or trading.

6 In this capacity, we assist them in
7 hedging more than a billion and a half in notional
8 per trading day. And in 2015, we provided advice
9 and services on approximately 17,000 transactions,
10 a little more than half of which were interest
11 rate derivatives. We help our clients analyze
12 their risks, develop hedging strategies to
13 mitigate them and in most cases, execute
14 transactions to implement those strategies.

15 The functioning of the OTC derivatives
16 market varies based on factors such a regulatory
17 classification and the standardization of trades.
18 These factors give rise to different segments of
19 the market including those that use SEFs to
20 transact cleared swaps, those that transact
21 cleared swaps by voice and those that transact
22 uncleared swaps by voice. That is the traditional

1 bilateral swap market.

2 My comments will be focused on two of
3 those segments, SEF-traded cleared swaps and
4 traditional bilateral swaps. With respect to the
5 former, for many of our clients, there are some
6 notable improvements in market function. Again,
7 we're talking about SEF-traded cleared swaps.

8 Bid offer spreads have narrowed
9 considerably. Prior to market structure changes,
10 some clients paid as much as two basis points in
11 transaction costs to establish and terminate a
12 substantially collateralized position. Now
13 clients can execute this combination of trades at
14 approximately .2 basis points.

15 This predominantly is a function of the
16 ease of competition facilitated through SEFs
17 including the ease of competition when terminating
18 transactions. In a recent transaction, for
19 example, we were able to simultaneously take off
20 two swaps and put on a new \$500 million swap in
21 seconds with quotes from four banks. A process
22 that would have been more cumbersome and

1 inefficient in the past.

2 This benefit does come at a cost and the
3 cost is largely a function of the cost of funding
4 initial margin and clearing related fees. The net
5 cost benefit is not the same for every market
6 participant and varies with factors like
7 transaction volumes. This cost-benefit is
8 overwhelmingly negative for market participants
9 that transact in small volumes creating
10 significant barriers to accessing the OTC
11 derivatives market for some market participants
12 including microfinance funds, real estate funds,
13 some leasing companies, credit card processing
14 companies and others.

15 Such entities face substantial minimum
16 fees roughly \$100,000 per year to establish and
17 maintain a relationship with an FCM. Consider a
18 microfinance investment vehicle hedging interest
19 rate risk in connection with loans made to
20 institutions that in turn provide capital to the
21 world's poor. Now microfinance investment vehicle
22 is a financial entity subject to the clearing

1 requirements.

2 However such an entity's transaction
3 volumes are often too low to justify for them what
4 is a substantial annual minimum fee amounting to
5 approximately half a million dollars over a five
6 year period. Such firms presently face the choice
7 of not hedging or of hedging suboptimally, using
8 products that do not perfectly address their
9 needs, for example, Euro dollar futures,
10 standardized products that cannot be tailored to
11 perfectly offset the risk arising from common
12 forms of commercial financing.

13 The Commission could and should
14 intervene to address this concern by exempting
15 financial entities that transact a de minimis
16 volume of swaps, a so-called little guy's
17 exemption. I now turn to the traditional
18 bilateral swap market, largely comprised of
19 entities transacting under the end user exemption
20 from clearing and SEF trading.

21 End users have substantially adjusted to
22 Dodd-Frank's administrative burdens. And they

1 continue to be able to efficiently execute many
2 common hedges including hedging shorter dated
3 exposures ranging from one to five years or more.
4 However, pricing for longer dated swaps has
5 materially increased. For example, the charges
6 applicable to a 20-year swap used to hedge an
7 investment grade corporate's fixed rate bonds has
8 more than doubled relative to precrisis levels.

9 Capital requirements and market factors
10 including bank funding charges contribute to this
11 increased cost. These costs encourage end users
12 not to hedge longer dated exposures or to consider
13 collateralizing trades that would otherwise be
14 eligible for the end user exemption effectively
15 partially negating that exemption. As margin and
16 capital requirements are fully phased in, end
17 users remain concerned about the impact on
18 transaction pricing, a concern that translates to
19 real economy impact.

20 There are several other issues notably
21 affecting the functioning of the market for end
22 users. However, like the cost impact on longer

1 dated trades, these concerns are generally not
2 those in which Commission intervention would
3 presently be fruitful. They are more likely the
4 product of Federal Reserve policy rather than the
5 derivatives regulation under Dodd-Frank.

6 In the interest of time, I'll highlight
7 one such issue negative interest rates as an
8 example but there are other issues including
9 negative swap spreads, the implications of which
10 are similar. In particular as it relates to the
11 need or not for Commission intervention.

12 The prospect of negative rates has
13 created unprecedented hedging challenges for end
14 users, in particular because bank stress tests
15 require banks to contemplate negative rates in
16 their models. Banks are putting zero percent
17 floors in commercial loans provided to end users.
18 In other words, if LIBOR goes below zero, the
19 LIBOR rate used to calculate the floating rate on
20 the loan will be fixed at zero.

21 Borrowers desiring to swap their
22 floating rate loans to fixed must contemplate the

1 zero percent floors in their loans when trying to
2 construct a hedge that perfectly mirrors and
3 offsets the economics of their loans. They do so
4 by buying back the floors they are short in their
5 loans and embedding those floors in interest rate
6 swaps that then perfectly offset the risk profiles
7 of their loans and consequently achieve favorable
8 hedge accounting treatment.

9 However, buying back the floor is costly
10 adding approximately 20 basis points per year to a
11 five-year loan. This amounts to approximately \$1
12 million in additional cost over the course of a
13 five-year \$100 million loan. This problem arises
14 from government monetary policy as well as bank
15 stress testing protocols not from derivatives
16 regulation.

17 Consequently, we don't think actions by
18 the CFTC would be fruitful in moderating the
19 negative outcome for end users. Nonetheless, we
20 mention it here as a point of interest on market
21 functioning for end users and to assert that not
22 all such market problems need be or can be

1 satisfactorily addressed by Commission
2 intervention.

3 As a consultant, I can't help but
4 suggesting a framework for considering how the
5 Commission might prioritize interventions to
6 address market functioning concerns. We might
7 sort any regulatory initiative focused on
8 improving market functioning into one of four
9 quadrants in a two by two grid where those
10 quadrants are expected and unexpected outcomes on
11 the vertical axis and costs and benefits on the
12 horizontal axis. And I submit that the Commission
13 might reasonably prioritize those initiatives that
14 address the unexpected costs of regulation.

15 And I believe the intervention I
16 suggested, a financial entity's de minimis
17 exception fits squarely in this category. Thanks
18 for the opportunity to offer our perspective on
19 these issues.

20 MR. NIXON: Thank you, Luke, and thank
21 you to all of our speakers for taking the time to
22 put together their thoughts and sharing those

1 thoughts with the Commission. I'd like to
2 actually maybe take a couple of minutes right now
3 and open up the floor to other participants on the
4 MRAC and also to the Commissioners who might have
5 some questions either to any of the participants
6 but particularly to the participants that took the
7 time to speak to us today.

8 If I could throw out one question just
9 to get things started, Rana mentioned that most of
10 the trading that the end users have been doing on
11 interest rate swaps is really in the RFQ market as
12 opposed to the central limit order book. And
13 highlighted the need for matching cash flows on
14 their swaps and identified some of the reasons why
15 she felt that that was why that part of the
16 marketplace, the central limit order book, had not
17 taken off.

18 Kristen, I just wanted to see if you had
19 the same views. You mentioned average pricing was
20 one of the reasons that you weren't using the
21 CLOBs in interest rate swaps and I was just
22 wondering if you could just comment as to whether

1 or not that is the only reason, primary reason or
2 what you think it might take for central limit
3 order books to take off from an end user
4 perspective?

5 MS. WALTERS: Well, I mean, I think from
6 our perspective, and again, we're a very large
7 firm with a well-developed trading platform that
8 connects to many different trading venues. So for
9 us, yes, it's the average pricing that's the
10 issue. I would agree, I mean, I do agree for
11 other smaller end users there's operational
12 complexity there.

13 So it's not insignificant for us to
14 connect to the CLOB. We're willing to make the
15 investment. We're waiting for the average pricing
16 but I can see how it could be -- there could be
17 significant barriers to entry for other end users.

18 MR. NIXON: Okay, thank you. Are there
19 some questions that the Commissioners would like
20 to start off with? And --

21 COMMISSIONER GIANCARLO: I have a
22 question for Ms. Walters. You mentioned the

1 importance of a functioning single name CDS market
2 for a healthy corporate fixed income market. That
3 CDS market, single name CDS, has gone pretty quiet
4 in the last few years. What would you suggest
5 perhaps as a way of seeing some vitality come back
6 to that marketplace?

7 MS. WALTERS: I mean, my personal view
8 is that central -- encouraging central clearing
9 and execution via SEFs similar to the interest
10 rate markets is important. What's interesting,
11 there has been, given the low prevailing interest
12 rate environment due to monetary policy for so
13 many years now, there has been a tremendous amount
14 of or proliferation of an issuance in fixed income
15 markets and in investment grade and high-yield
16 bonds.

17 And what you find from a trading
18 perspective is that if you look at volumes, if you
19 look at a lot of traditional indicators around
20 market depth, immediacy, turnover, the numbers
21 actually look like they're fairly reasonable.
22 However, if you look underneath the covers a

1 little bit more fully, what you see is that there
2 are thousands of bonds in the corporate credit
3 market that are out there but the overwhelming
4 majority actually don't trade every day.

5 So the trading is almost entirely in a
6 very small number of large currently issued bonds.
7 So what that means is that if there's the desire
8 to trade, it actually may not be that easy to do
9 in a lot of the off the run issues. So the single
10 name CDS market becomes quite important as a
11 hedging vehicle to complement what's happening
12 from an index perspective.

13 So that's not BlackRock's view. That's
14 my personal view and I think we, as I mentioned,
15 are starting to clear which is the first -- is the
16 precursor to executing on a SEF but I think that
17 would be -- I think OTC, traditional bilateral
18 trading in these markets is potentially why there
19 hasn't been -- they've been quieter.

20 COMMISSIONER GIANCARLO: Do not those
21 same liquidity factors that you just described in
22 corporate fixed income, though, also apply to the

1 single name CDS, that is that only in a narrow
2 band do they trade with any degree of liquidity
3 and outside that band there's very infrequent
4 trading in most single name CDS?

5 MS. WALTERS: Yes, absolutely, I do --
6 it's, again, my personal view that if single name
7 CDS were clearing along with index CDS through
8 exchanges that that might change liquidity.
9 Certainly, it's more difficult when the bonds and
10 the CDS aren't priced every day but on an exchange
11 mechanism you absolutely have the price
12 transparency which I think we've seen and the
13 rates market is good for liquidity.

14 I'm not sure what others would say. It
15 would be great to hear thoughts from my colleagues
16 but that's my personal view.

17 MR. NIXON: We talked a little about
18 volumes or the lack of growth in volumes in some
19 of these marketplaces. So I thought I might turn
20 to a couple of the other members of the MRAC in
21 case they had any particular views as to whether
22 perhaps the lack of volume growth in the swap

1 market or in the CDS market, you know, was it tied
2 to the interest rate cycle? Is it tied to bank
3 capital requirements? Perhaps to the regulatory
4 rules of trading around the SEF markets. Is there
5 any particular major reason that sticks out in
6 your mind as to what could be impediment to volume
7 growth in the marketplace for CDS? And I know we
8 -- or sorry, or CDS.

9 I know we have a couple of the venues
10 here. Lee is here. Nathan is here. Don't know
11 if you have any particular comments but I'm sure
12 they'd be interested in your view on why you think
13 the marketplace may not be growing as it has in
14 the past.

15 MR. OLESKY: Yes, thanks, John. Rather
16 than dive into that, I think what I'd like to do
17 is just put a little perspective on what has
18 happened in the last two years post-SEF
19 introduction. So as much as the market has slowed
20 down, and I think there's a lot of reasons related
21 to regulation, capital constraints, et cetera that
22 we could all talk about that are the main driver

1 of that, one thing we should take a step back and
2 put in context is how much volume has actually
3 migrated to electronic platforms that are now
4 SEF-regulated.

5 Those numbers have gone up many, many
6 fold. So if I look at the numbers on Tradeweb in
7 terms of either the rates market or the CDS
8 market, 10, 15, 20 times the amount of volume that
9 we saw pre-SEF is now trading in an electronic
10 environment with hundreds of customers doing
11 hundreds and hundreds of trades every single day.
12 So the transition onto the SEF environment has
13 actually, I think we should take a step back and
14 say that's gone incredibly well.

15 The issues of liquidity and volumes in
16 the market are really not tied to sort of the SEF
17 situation in and of itself. I think they're much
18 more tied to regulation, capital constraints, P&L
19 pressure, the incredibly low rate environment. I
20 mean those three right there are the big, big
21 factors.

22 But when we look at SEF implementation

1 and increased price transparency in the market,
2 increased stability for the market through
3 centralized clearing and enhanced processing of
4 the entire trade cycle, I think we've done quite
5 well in the last couple of years as the
6 introduction of SEF has really taken hold.

7 MR. JENNER: I would -- oh, I'm sorry.
8 I was just going to agree on a couple of the
9 observations that were made. So I agree with
10 Lee's point. I think the introduction of a SEF
11 model has made people think much more about
12 e-trading as an option for even other asset
13 classes that aren't necessarily mandated or made
14 available for trade.

15 So I think that's a positive. I also
16 agree with Rana's observation just based solely
17 upon Bloomberg SEF that we do tend to see much
18 more robust flow in the order book around credit
19 derivatives than we do for rate derivatives. It's
20 essentially the same product that we offer for
21 both markets but we have much less demand for the
22 rates order book. And I think Rana pointed out

1 some of the structural components related to the
2 instruments that may cause that index CDS
3 especially a fully fungible instruments with some
4 specific tenor points. Rates are not that.

5 So that's probably the most obvious
6 reason why that may be the case. I think the
7 third point that I'd make is I think one of the
8 goals of SEF implementation was to facilitate and
9 help more entrants into the marketplace. And at
10 least in our experience, we have seen
11 non-traditional liquidity providers participate
12 and make markets on our SEF as well as the sort of
13 usual constituency as well.

14 So we view all of those things as
15 reasonably positive or as sort of expected
16 behaviors.

17 MR. NIXON: I'm going to take one more
18 question then we're going to go on and hopefully
19 we'll have time to come back to some of the other
20 questions or we won't get, obviously, through the
21 four segments. Thank you.

22 MS. ADMATI: Okay. I just want to make

1 a quick comment and I'm speaking actually for,
2 well, I'm speaking for the people out there like
3 many of them. I'm not representing actually any
4 particular interest in these markets and I'm not a
5 participant in these markets but I am an academic
6 and I understand the markets, not necessarily the
7 details.

8 I just wanted to comment on the point
9 about volume and about liquidity and that is just
10 the following observation. I understand that the
11 livelihood of some people and some people's
12 organizations has to do with the ability to trade
13 and that the livelihood of some people is about
14 volume of trade. But I don't take either of these
15 as a necessarily -- obviously everybody who wants
16 something wants to get it right away but usually
17 in economics we have prices for things.

18 So I just want to say that, you know,
19 the fact that there are a lot of securities out
20 there and that there are more securities that have
21 been created in this world and we study the world
22 of complete markets or incomplete markets and want

1 to have a lot of markets, does not imply that in
2 every given moment of time there has to be two
3 sides to a transaction that want to trade in a
4 particular thing at the price that each of them
5 feels is the right price.

6 And so from the perspective of the
7 economy out there, the real economy, the
8 businesses, the individuals, I don't know that
9 it's a priority for the world that there is a
10 trade every second in every security in every
11 price that people feel like it. And so I just
12 want us to step back from the fact that somebody
13 wants to do something at a given moment and ask
14 ourselves what, you know, there are lots and lots
15 of bonds that are not trading at every second and
16 it's okay. Not every CDS that's anybody's come up
17 with needs to trade every split second.

18 So it's not for me an objective per se
19 that there is what somebody might call liquidity
20 which is they convert a piece of paper into cash
21 right now this minute at this price that they feel
22 is right for it. There are two sides to this

1 transaction and they will evaluate it. And if
2 there's uncertainty by the value of it, the
3 liquidity will suffer and liquidity is something
4 that can exist one day and disappear the next day
5 for these risky securities.

6 So I just want us to remember that
7 because it seems as if liquidity per se is like a
8 national objective here and we should remember
9 that we're just allocating, you know, resources to
10 things and trying to manage risk for the economy
11 as a whole through all these wonderful things that
12 we teach our students about how to use
13 effectively. And we want them to be traded.

14 To the extent that the regulation is
15 blamed, I just want to add this one comment and
16 I'm, of course, a big advocate of capital
17 regulations. I think everything that's bad about
18 the impact of regulation is because regulation
19 itself is badly managed and distorted. And so I
20 have a lot of criticism of capital regulation and
21 certainly, of liquidity regulations to the extent
22 that they are harming what should happen. Then

1 they are dysfunctional.

2 MR. NIXON: Okay, thank you. We'll come
3 back to some of the others if I can after I turn
4 to the other segments.

5 So if we can go to the energy, I think,
6 sector is next. Glenn, I think you were going to
7 lead off?

8 MR. MACKEY: Certainly, thank you. Can
9 everybody hear me okay? I'd like to thank the
10 Chairman and the Commission for having the
11 opportunity to speak on behalf of some of the
12 energy users. The light's on. Can you hear me
13 now?

14 Just to start off, from our perspective
15 there has been a fundamental change in the way the
16 companies are accessing markets specifically and
17 including both physical and financial. Where we
18 once had banks as counterparties and financiers
19 that has gone away.

20 We're now seeing physical asset players
21 go back to bilateral arrangements in a lot of
22 situations. Well, that has also had a change on

1 both our credit portfolio and the type of
2 counterparties and transactional entities that we
3 participate in.

4 In the financial energy markets, the
5 market continues to place its risk on the
6 portfolios of a few clearing houses alone. Much
7 of the business is done on ICE for its liquid
8 markets, ease of use and variety of products. CME
9 is also getting a share of the market but in the
10 past few years, as well as others, they're trying
11 to define themselves to compete with the two
12 largest DCMs, that being the CME and ICE.

13 When Dodd-Frank was passed, regulators
14 and market participants had two primary concerns
15 and I think that one was that the business would
16 be forced to move offshore and secondly, that the
17 market would move into futures and put a financial
18 strain on the clearing houses. To some degree,
19 both instances have happened and by far, energy
20 swaps have largely moved into the futures market.

21 The futures market for this hedging
22 activity provides a number of challenges, though,

1 such as the strict contract definition that
2 futures mandate. Swaps provided customized, more
3 comprehensive hedging opportunities because of
4 that and are still getting done in the marketplace
5 albeit more on a bilateral perspective.

6 So from an end user's perspective, we're
7 generally accessing the financial energy market
8 via two constructs, the first being electronic
9 brokerage platforms such as ICE, NYMEX, Nodal.
10 And secondly, using introducing brokers over voice
11 lines associated with a clearing entity or FCM.
12 You know, typically, from my perspective and with
13 our firm, the majority of transactions are cleared
14 through the DCOs.

15 For energy, and I'm speaking only about
16 energy, SEFs, to some extent, are somewhat
17 redundant for us and create challenges such as
18 cost, operational complexity and more additional
19 risk as far as staffing as well. We do not
20 typically use SEFs because the transactions can be
21 traded and cleared through swap futures through
22 ICE. And any swaps elsewhere in the business are

1 directly considered counterparty swaps for the
2 most part primarily because of the bulk and unique
3 nature of where we want to hedge or transact and
4 the nuances associated with that.

5 With respect to access to the market,
6 what was once an over the counter market that
7 offered futures clearing such as ClearPort has now
8 transformed into classic futures market where
9 entities have been DCMs such as ICE. And this has
10 facilitated the change. No longer do we have
11 prime brokerage arrangements with banks which now
12 forces individual counterparties and smaller
13 entities into the markets.

14 Swaps done between individuals and swap
15 dealers will now be cleared with these dealers and
16 charged margin which increases the cost to the end
17 user and to market participants. As
18 electronification of the markets increase, the
19 need for brokers has decreased, while we
20 acknowledge that brokers still play an important
21 part in the options market since their products
22 are less standardized.

1 With respect to the comments made in
2 relation to liquidity, one of the comments I'd
3 like to make is that ultimately if there is a lack
4 of liquidity in the swaps market or the ability to
5 hedge whether it's production assets, load assets,
6 renewable assets, ultimately the energy companies
7 then wear more risk within their portfolio. And
8 the cost associated or the risk associated with it
9 ultimately gets passed on through to the end
10 users.

11 So while academically there are some
12 comments that suggest that this is not necessarily
13 efficient, my primary concern there would be is
14 where we have an inability to provide liquidity to
15 properly hedge and manage the cash flow and the
16 anticipated cash flows of an organization such as
17 an energy company where you have extreme
18 volatility in the margins overall, ultimately any
19 change in the cost or added cost because we wear
20 risks that we don't want to warehouse and the
21 banks are not doing that for us, ultimately is a
22 pass through to the end user including myself

1 personally from that standpoint.

2 Jerry, I don't know if there's anything
3 you want to add then?

4 MR. JESKE: You can continue. I'll be
5 jumping in there.

6 MR. MACKEY: Sure, okay, thank you.
7 With respect to liquidity, you know, my
8 observation is that with few banks warehousing
9 risk market liquidity has deteriorated for us as
10 end users. From the perspective of are there
11 barriers to access? Essentially for larger
12 participants, I would say no but smaller players
13 and asset hedgers do have less access to the
14 market if they have or the inability to post the
15 appropriate collateral or meet the appropriate
16 credit thresholds requirements by the other market
17 participants.

18 With respect to recommendations on how
19 regulars can enhance market participant access to
20 markets, one of the things that would be helpful
21 is to remove the swap data reporting requirements
22 on the end users themselves. Albeit that's not

1 necessarily probably where we're going but the
2 high credit requirements, exchange margining
3 mechanics limit the ability for smaller physical
4 asset owners to access markets as I mentioned
5 before.

6 And the issue that for end users are
7 really related to access not through the FCMS or
8 the market that way but for things like the lack
9 of liquidity, fewer products and tenors being
10 offered by the exchanges, and the overwhelming
11 impact sometimes of some of the ETF money in the
12 market and the volatility it plays.

13 MR. JESKE: So my name is Jerry Jeske.
14 I'm from the Commodities Market Council and I'd
15 like to thank the Commissioners and the staff as
16 well for being here. Folks that are in this room
17 who help craft the regulations that many of us
18 have to operate by.

19 On behalf of the Commodity Market
20 Council I'd like to actually people use the word
21 end user a lot. But I think Anat from real
22 markets hit on a key concept here and that's the

1 real businesses. So I'd like to speak on behalf
2 of the real businesses. Those businesses that
3 keep the lights on in this room, the businesses
4 that bring gasoline to the gasoline pump, the
5 businesses that raise food out on the farms and
6 bring it to people's tables, the real businesses
7 of this world.

8 The real businesses have a place in the
9 markets and that's risk transference. We talk a
10 lot about liquidity. We're concerned about
11 liquidity and we're concerned about it for good
12 reasons. And that is without liquidity or without
13 the ability for people to transfer risk, there is
14 added risk for those real businesses. And those
15 real businesses may not hedge and if they don't
16 hedge, buy insurance, pass that on to others to be
17 able to take those risks, the whole system will
18 fail.

19 And so I think that's a great point,
20 Anat, from real markets, and I really want to be
21 able to address the fact that real businesses need
22 these markets and in a well-regulated fashion.

1 What we're seeing, to answer some of the questions
2 that were put out here, are SEFs being utilized by
3 the energy markets and the agricultural markets
4 and the answer is no. And I'll say no because of
5 the 1.35 hangover.

6 So essentially you had this regulation
7 out there for the last two and a half years, 1.35,
8 that put on extra cost and extra burdens on folks.
9 Since the relief that's been offered up by the
10 Commission thankfully in December, that has
11 changed things a bit. So a non-registrant now
12 doesn't have to face the prospect of added costs
13 through 1.35. I think that's a good outcome.
14 However, that was just December.

15 So the utilization of SEFs isn't going
16 to immediately occur in the energy and the
17 agricultural space because of the concern of
18 registration. Registration means cost. So
19 whether it's become a registrant in terms of a
20 swap dealer or a registrant in terms of 1.35, it
21 is about cost. You can't participate in the
22 markets if there's too much cost.

1 Are there visiting introducing broker
2 concept? So I've been involved in the markets for
3 some time back in my days at the Chicago Board of
4 Trade up through various different positions in my
5 career and I've seen a transformation occur.
6 Introducing brokers were a concept as it relates
7 to access to pits. The pits aren't around
8 anymore. They're electronic marketplaces.

9 Those electronic marketplaces are a good
10 thing for the most part because the middle man has
11 been taken out of the equation. So the
12 introducing broker concept, I would actually
13 change to say are there brokers whether it's ICAP
14 or Bloomberg or Tradeweb are essential to the
15 marketplace but from a bilateral standpoint not so
16 much from an access standpoint to CME, WebICE, CME
17 Direct, trading technologies. These platforms are
18 access to the market that many people do, in fact,
19 have and utilize.

20 So the concept of introducing broker I
21 think is a little bit misplaced and ought to be
22 thought of in terms of broker. And where is that

1 broker facility happening? In the energy and the
2 agricultural space, it's with respect to
3 bilaterals. So when you participate direct with
4 the counterparty, you're looking to transfer risk.
5 And if you can't transfer that risk, whether it be
6 a swap or a physical asset, meaning a cargo, for
7 instance, you're looking for an ability to sell or
8 buy that commodity and move that commodity.

9 So brokers are very helpful in that
10 space and very needed. When it comes to access to
11 futures, they're really not needed. You have the
12 direct pipe now to the exchange. Although, I
13 think Luke mentioned something that I think is
14 pretty important and that is what fees are
15 associated with that process? How do you get
16 electronic platform if you're a farmer sitting in
17 Iowa? Well, that's not so easy because you have
18 to have connections to the exchange. You have to
19 have a clearing account.

20 And I applaud the Commission
21 particularly for taking on Basel and the added
22 costs for FCM community. Those added costs are

1 being transferred onto others. My particular
2 organization, we've decided to try to get away
3 from that cost by go self-clearing. But going
4 self-clearing isn't easy. You need to have
5 critical mass to get there.

6 So for the end users, the real
7 businesses out there, access to clearing is very
8 important. The ability to self-clear is a
9 wonderful concept. It's still very much in its
10 infancy. And I think it's something that the
11 Commission might want to think about.

12 With regard to let's see, our next set
13 of questions, how the ways the market participants
14 access the market? As I was just mentioning, the
15 various electronic entry to the marketplace is a
16 wonderful thing. We've got a draft regulation out
17 there called Reg AT. Reg AT threatens some of
18 that. I would suggest that the comments that have
19 been registered by various industry participants,
20 by those end users out there, by those real market
21 participants, I would ask that the Commission take
22 a very good look at those comments.

1 Because to overreach with regard to Reg
2 AT won't solve any problems particularly for those
3 that are using electronic markets not as algo
4 traders necessarily but to be as a conduit to the
5 marketplace. It's a wonderful thing and the costs
6 will go down as long as you're able to put that
7 infrastructure in place. Are there
8 recommendations for the Commission?

9 I think I've mentioned some and do
10 market participants see any inherent risk to the
11 markets that the Commission should address? One
12 of them is the \$8 billion ratchet down. The \$8
13 billion ratchet down December of 2017 is looming
14 on the markets. I think the folks that spoke
15 earlier talked about some of the deferred swaps
16 that are out there, the long-tenored swaps, the
17 10-year swaps and that costs associated with it.

18 I think I recall somebody saying they
19 doubled in value. Well, why do you think that's
20 the case? Because people can't predict whether or
21 not they're going to be a swap dealer two years
22 from now. They don't know. That's registration.

1 That's regulation. That will cost people
2 tremendous amount of money if they become
3 registrants.

4 That should be addressed sooner than
5 later. It hasn't been addressed and the ratchet
6 down to 3 billion will cost end users a lot of
7 capital. To be whether the capital rule takes
8 effect or not, it's going to be an added cost that
9 people can't determine. That's why the cost of
10 deferred swaps.

11 So it's the same concept for those,
12 again, those folks in the real marketplace, those
13 real businesses. It's tantamount to not being
14 able to buy insurance. And that's not a fun
15 concept when you think about it because then
16 you're taking on risk that you really can't manage
17 very well.

18 One last comment I would say is in
19 regard to the fees that have been discussed in
20 Congress and I know the Commission can only do so
21 much in this space. I would caution added fees
22 associated with transactions, I think we've gone

1 down this road many, many times in this history of
2 the CFTC and I think there's been good advocacy on
3 the Hill in connection with this but it always
4 comes up. And those fees are going to end on
5 those folks that use the markets. No two ways
6 about it. The fees increase, the costs increase
7 for everybody. So with that, I'll leave it to
8 you, John.

9 MR. NIXON: Thank you, Jerry and Glenn.
10 First let me turn to the Commissioners. Is there
11 any particular questions that you might have for
12 any of the speakers? If there's some questions
13 from the other participants I'd be happy to take
14 them. I would ask -- can I ask one question of
15 perhaps Glenn.

16 You mentioned that you don't really use
17 the SEFs that much anymore. Most of your business
18 is going through the exchanges directly using
19 direct access to those exchanges. Given the fact
20 that the OTC markets have a lot more venues to
21 operate on, a lot more flexibility on how you
22 operate in those marketplaces, is there concerns

1 that the limited venues for trading on the listed
2 markets, is that a concern for any of the users?
3 It sounds like most of the business that you're
4 doing is in the CME or on ICE. There are other
5 places I'm sure as well but I was just wondering
6 if you're concerned at all about the consolidation
7 in that marketplace and the potentially lack of
8 options over the course of being able to execute?

9 MR. MACKEY: Yes. I think the short
10 answer would be yes, we are concerned about that
11 because you're placing a lot of concentration and
12 very few number of market participants being the
13 exchanges. Having said that, the key to some
14 extent is adequate price and adequate liquidity.
15 So if it's through the swap dealers on the
16 bilateral side or if it's through the exchanges,
17 we're looking for a balance there that ultimately
18 at the end of the day provides us with the ability
19 to hedge and monetize where required the
20 portfolios that we have.

21 And at the same time, ensure that we've
22 got a balance on potential exposure to market

1 events where the market events, if there is any
2 sort of meltdown, you've got a concentration there
3 with very few participants which typically in past
4 in the -- when the ISDA was a dominant agreement,
5 you could manage the exposures on a credit basis
6 through the portfolio with different contract
7 provisions. You don't have the ability to do that
8 now with some of the entities that are more
9 structured and centralized.

10 MR. NIXON: Okay, thank you. Do you
11 have a question?

12 MR. STANLEY: I had a comment. I just
13 wanted to underline what I think for the
14 Commission what I think is the importance of doing
15 data-driven objective and universal analyses on
16 these issues as opposed to anecdotal analysis.
17 The input from market participants on this
18 committee is, of course, extraordinarily valuable
19 and I think it's great that we put together a
20 forum to do that.

21 But one thing, when we look back at the
22 history of discussions about regulation over the

1 last couple of years, we find that analysis often
2 comes up with a different answer than some of
3 these anecdotes that you hear from market
4 participants. We heard from a long time from
5 market participants about declines in liquidity in
6 the corporate bond market.

7 But recent work by the New York Federal
8 Reserve shows, I think, pretty conclusively that
9 liquidity in that market has not declined. This
10 is not simply based on bid-ask spreads as
11 Commissioner Giancarlo mentioned but also on price
12 impact, on price dispersion, on liquidity and
13 volatility risk. In fact, many of these core
14 liquidity metrics turned out to be at record lows
15 when they were measured.

16 Now there were some measures of
17 liquidity risk that increased in the Treasury
18 market but since the Treasury and corporate bond
19 markets are equally affected by regulation the
20 conclusion to be drawn there was that changes in
21 market-driven trading practices such as increased
22 electronic trading for treasuries were the source

1 of that divergence.

2 Now there hasn't been that much, I would
3 say, definitive work on the liquidity of impact of
4 in derivatives markets of new regulation. But
5 earlier this year we did see, I think, the first
6 really high quality study on that, a Bank of
7 England study by Benos, Payne and Vasios, that
8 look at complete London clearing house transaction
9 date in the interest rate swaps market.

10 They used the difference between
11 transaction costs in the US dollar swap market
12 which is subject to the SEF mandate that you had
13 put in place and transaction costs in Euro markets
14 that were not subject to that mandate, to do what
15 I think is a very good estimate of the economic
16 benefits of pretrade price transparency. They
17 found those economic benefits were very large.
18 Reduction in execution costs of \$20 to \$40 million
19 daily and reductions and costs for end users of \$7
20 to \$13 million, again, daily. These are very
21 large benefits.

22 I don't believe they stratified by end

1 user size in their published paper but I think
2 their data should allow them to do so. And I
3 think that's something that the CFTC economists
4 should maybe contact them and ask about.

5 So I think that I just want to encourage
6 the Commission to try to do similar objective and
7 universal data analysis on derivatives markets in
8 order to draw its conclusions about the impact of
9 its regulations on liquidity conditions and
10 hedging needs in these markets because I think
11 they can often show a different picture than what
12 you get from input of market participants.
13 Because it's interesting that the Bank of England
14 study did show a reduction in inter-dealer
15 trading, something that actually would reduce
16 profits for some market participants. But that
17 that produced benefits for end users.

18 I want to make one final additional
19 point regarding the results of data-driven
20 examinations of these markets, a point that may
21 not make me very popular here. There has been a
22 recent set of academic examinations of newly

1 mandated accounting disclosures on end user use of
2 derivatives. And these accounting disclosures
3 were only mandated in 2008. So they're only
4 becoming available now.

5 These studies found -- examined a random
6 sample of energy company end users and they found
7 that two-thirds of those energy company end users
8 use swaps for non-hedging purposes. Mostly for
9 earnings management and that the use of those
10 non-hedging swaps were associated with increased,
11 not reduced, earnings volatility. We should not
12 assume that all end user swaps are strictly
13 undertaken for hedging purposes although there is
14 no question, of course, that many are, many
15 perhaps most are.

16 We, you know, end user, real economy end
17 user companies that have been keeping the lights
18 on for well over a century in this country but the
19 increase in over the counter derivatives in swaps
20 markets, the great growth in over the counter
21 swaps markets dates back, I think, less than two
22 decades in terms of when these markets really took

1 off. So clearly there are mechanisms by which end
2 users can manage risks through futures markets,
3 through simply managing their own investment and
4 spending flows that don't only rely on these over
5 the counter derivatives markets.

6 So anyway, as I said, I encourage the
7 Commission to look closely at this data and try
8 and do their own economic analysis.

9 MR. NIXON: Tom, I can I turn to you?

10 MR. COYLE: Thank you. Today I
11 represent the National Grain and Feed Association.
12 The NGFA represents members that provide prices to
13 producers for physical commodities and transport,
14 store, process and distribute that production to
15 end consumers.

16 I also manage a company that operates
17 the largest Chicago Board of Trade delivery
18 facility for soybeans and corn in Chicago. It's
19 also one of only two facilities. It's regular for
20 delivery on corn, beans, wheat and oats.

21 My comments today will provide the
22 perspective of those that participate and handle

1 physical commodities. Specifically to your
2 questions that we'd received about market access,
3 today ag participants use the standard FCMS and
4 IBs and also direct electronic order entry. I
5 would say for commercial participants direct
6 orders to the pit have been replaced by an
7 electronic entry system.

8 As for the use of SEFs, swaps are not
9 used in the mainstream for traditional ag
10 participants. Swaps are used primarily for
11 ethanol, for some innovative pricing contracts for
12 producers or end consumers and in transaction
13 design to secure financing. Use of IBs, IBs are
14 used primarily by smaller market participants,
15 current country elevators and end users. IBs tend
16 to be more service oriented.

17 IB activity has become more challenging
18 due to increased recordkeeping and cost which have
19 not been offset by increased fees, also by the
20 reduction in the number of FCMS many of whom will
21 not accept IB business.

22 Next question, are there end users --

1 are the end users --

2 MR. NIXON: Tom, can I just get you to
3 move forward a little closer to the mic?

4 MR. COYLE: Certainly, John.

5 MR. NIXON: Thanks.

6 MR. COYLE: Our end users, particularly
7 small end users able to access the market
8 effectively. Order entry has improved
9 dramatically for all market participants due to
10 the electronic advances. However, smaller end
11 users likely find it more challenging to support
12 -- to find support and advice due to the shrinking
13 pool of FCMs, many of which will not service IBs.

14 I understand that the FCMs have dropped
15 to 47 from 150 and I'm told only 12 of the 47 will
16 accept IB business. The primary reason I'm given
17 for the drop in the FCMs is the more stringent
18 regulatory requirements, increased oversight
19 requirements, risks of fines, legal fees,
20 cybersecurity and audits.

21 As far as the benefits and drawbacks of
22 the current access, the benefits, the key benefit

1 is the efficiency of order execution. It really
2 is quite impressive. Also the CME has developed
3 tools to enhance the ability to tailor risk
4 management solutions. CSOs, calendar spread
5 options and short dated options have a range of
6 uses that have become quite popular.

7 The drawbacks, the advancements in
8 technology and the dramatic increase in new
9 financial participation, hedge funds, index funds,
10 ETFs have created a macro shift in market dynamics
11 that is truly concerning particularly for
12 traditional hedgers that produce, transport and
13 consume the underlying products.

14 Actual S&D and commercial hedging is
15 significantly less relevant to daily price
16 discovery. Overall, markets tend to seek fair
17 value particularly during the expiration process
18 but short term trends and daily movements are much
19 more influenced by money flows in and out of the
20 market.

21 There are other negative side effects to
22 the electronic advances from microseconds to

1 nanoseconds. Commercial hedgers are at a
2 disadvantage as it relates to speed. Algorithmic
3 trading sends misleading indicators to the market
4 and, at times, are designed to push the market
5 into voids in liquidity. Things like spoofing
6 simply did not last in the pit environment because
7 there was real time enforcement.

8 The electronic order systems also reduce
9 the amount of information because nobody knows
10 who's trading. In the past with manual order
11 entry and the pit environment, market participants
12 got at least an indication of who was trading the
13 market. Today, I would say technical or financial
14 trading leads the market more often than the price
15 activity of traditional hedgers.

16 As far as liquidity and volatility,
17 there is obviously a lot more volume which might
18 suggest more liquidity. But I would say that
19 order flow tends to be more one-sided and more
20 violent and creates more violent moves due to the
21 speed of the trading systems. I'm not sure if
22 statistics would confirm the reduced liquidity and

1 the greater volatility but from a grain trading
2 perspective, I would say too often price movements
3 appear random which plays havoc on reliable risk
4 management.

5 As far as barriers to access, there is
6 some loss in access due the drop in FCMS but
7 overall there are no real barriers. However,
8 balance in access has changed. Traditional
9 hedgers would historically have led the market now
10 find themselves one millisecond or many
11 nanoseconds behind financial market participants.

12 As far as recommendations, first more
13 transparency. More detailed and timely trade
14 data. The current commitment of traders report is
15 issued on Friday with information as of Tuesday.
16 With the current technology advances, shouldn't
17 such a report be issued daily or at least a Friday
18 report that has data as of Thursday?

19 The CME daily trade report shows the
20 previous day's trading, volume and open interest.
21 It would be a lot more useful if we knew who
22 traded that volume at the same time.

1 Communication and oversight of the DCM trade
2 matching systems to assure that they are fair to
3 all users and that they're consistently applied.

4 I would say consider implementing rules
5 that require a minimum of two to three second
6 duration for algorithmic trading orders so that
7 orders can't be pulled before they're executed.
8 Finally, for the Commission to embrace a broad
9 definition of bona fide hedge for participants
10 that are engaged in handling, processing, storage
11 and distribution of the underlying commodity. The
12 foundation of the ag markets depends on the
13 participation of those involved in the fiscal
14 market. This should be encouraged.

15 Risks that the Commission should
16 address. The Commission needs to be vigilant to
17 identify any process that systemically provides an
18 advantage or disadvantage to one market
19 participant over another. Such advances and
20 disadvantage represent a risk to an
21 early-functioning market. Also to watch the
22 changes in market participants that reduces the

1 relevance of hedging from producers, processors,
2 distributors of the underlining commodities. And
3 I'm happy to answer any questions.

4 MR. NIXON: Thanks, Tom. Commissioners,
5 any questions from you directly? Any questions
6 from MRAC? All right, thank you very much, Tom.

7 MR. STANLEY: Just a quick question. I
8 heard Jerry saying some things that were critical
9 of Rule AT (sic) and just heard Tom saying some
10 things that there were some real issues in terms
11 of algorithmic trading that we need more
12 limitations and controls in that market. So I was
13 just wondering about your view on Reg AT and
14 whether the Commission is moving in the right
15 direction?

16 MR. COYLE: I don't have a comment on
17 that. I'm sorry.

18 MR. JESKE: I'll be happy to clarify,
19 though, Marcus. If you read Reg AT which is a
20 pretty long regulation, the risk is overreach
21 because the way the markets work today, the way
22 access works today is through a computer. You

1 don't go through the phone to talk to the broker
2 who sit/stands outside of the ring, who then
3 flashes an order to a guy standing with his back
4 to the ring who turns around and whispers to the
5 person who executes the order. That day is gone.

6 It's not here anymore. So how do you
7 look at whether we want to vilify algo or not is a
8 political question. So put that political
9 question aside and focus on what is the issue as
10 it relates to access to markets with a computer
11 screen? Is there really an issue? That really
12 should be the question and that should be
13 something that I think everybody, you know, has a
14 stake in because that's how markets are traded
15 today.

16 And whether you're in energy, whether
17 you're agriculture, whether you're in CDS, you can
18 do it two ways on the phone or on a computer
19 screen. And there's some concerns, obviously,
20 people may have but to vilify the whole concept of
21 a computer screen I think is misplaced.

22 MR. STANLEY: Yeah I don't think our

1 organization or anybody else vilifies the concept
2 of computer access to the markets. I mean,
3 computer access to everything is fundamental part
4 of modern life. The question is are there forms
5 of market manipulation that have been facilitated
6 by this access and how should we regulate those
7 specific forms of market manipulation?

8 MR. COYLE: I guess I would add a
9 comment. You know, the electronic systems are
10 really supposed to replicate what we had before
11 but just more efficiently. I would say if you
12 look at the number of orders you have today where
13 you could have 30,000 contracts bid, you'd ask
14 yourself is that really 30,000 contracts bid?

15 If somebody was standing in the pit and
16 flashed a bid for 500 contracts and then, someone
17 said sold and then you said I'll take 20 that
18 would end immediately. I mean the person would be
19 shunned so that would go away. That doesn't
20 happen today, all right? So we don't know. We
21 don't see that information but you have to -- it
22 makes you wonder how reliable those bids and

1 offers really are.

2 MR. NIXON: Okay, thank you, Tom.
3 Angela, can we turn to you?

4 MS. TAYLOR: Thank you. I just wanted
5 to add a little commentary to the discussion about
6 Reg AT and I think that I would encourage the
7 Commission to approach with caution the idea that
8 you can legislate the risk-taking behavior of
9 people who are making markets for the risk
10 transfer. If you require people to put their
11 market exposure out into the marketplace for some
12 extended period of time, then what is likely to
13 result is that there will be fewer people making
14 wider markets and it could have a deleterious
15 effect on the price discovery function and the
16 availability of liquidity to the marketplace
17 overall. So there's two sides to the equation.

18 MR. NIXON: Thanks, Kim. All right,
19 Angela?

20 MS. PATEL: Thank you for having me
21 here. Today I am going to talk about currency
22 forwards. So the currency forward market is

1 liquid and deep. It is one of the simpler markets
2 in derivative space with most contracts averaging
3 a 60 to 90-day lifespan.

4 The currency forward contracts are
5 governed by ISDA documents between two parties and
6 many buy side firms collateralize them under the
7 terms of a CSA. This is also one of the OTC
8 markets that has had a longstanding cash
9 settlement service in place designed to mitigate
10 settlement risk. Regulatory treatment of currency
11 forwards in the US technically distinguishes
12 between contracts that are cash settled or
13 non-deliverable forwards and physically settled or
14 deliverable forwards.

15 Because of this technical distinction, a
16 couple of interesting things happened once the
17 regulatory reform rules went into effect. First,
18 deliverable currency forwards were exempted from
19 many of the requirements of Dodd-Frank by Treasury
20 while non-deliverable forwards remained subject to
21 the full suite of rules including the potential
22 clearing and trading mandates.

1 This created an unnecessary regulatory
2 distinction between the two as they are
3 practically indistinguishable as a portfolio risk
4 management tool. Non-deliverable forwards have a
5 feature that requires net settlement of the
6 contract while deliverable forwards can settle
7 both legs of the swap. In practice, however, many
8 participants generally will offset all of their
9 exposure for a value date by broker currency pair
10 to make one net wire movement.

11 So while the technical distinction
12 exists, it is not a practical one as both types of
13 forwards behave the same from a settlement
14 perspective for a large percentage of market
15 participants.

16 Two, in a footnote found in the core
17 principles, matters were complicated with the
18 requirement that a facility which operates in a
19 manner that meets the SEF definition, i.e. A
20 trading platform that provides all-to-all
21 capability, it must register as a SEF as of
22 October 2013. This had the presumably unintended

1 consequence of then requiring asset managers to
2 evaluate and sign up with SEFs if they wanted to
3 continue to execute their NDF book electronically
4 on such a platform.

5 Although electronic execution had not
6 been prevalent, only about 5 to 10 percent of NDFs
7 were executed electronically pre-October 2013,
8 this change underscored two things. One, the rule
9 books that were there were problematic to the
10 point that many asset managers, including Putnam,
11 who had previously executed electronically, chose
12 to move to voice trading for NDF trading. And
13 two, the technology was, and in many cases, still
14 remains SEF-like. With dealers streaming quotes
15 into a system that cannot interpolate the curves
16 properly or orders being set electronically, then
17 picked up by a person, walked over to another part
18 of the desk, manually priced, walked back and
19 reentered manually.

20 Clearly the market wasn't ready. In
21 fact, two and a half years later, the 5 to 10
22 percent number hasn't changed much. While not

1 broken to the point of dysfunction, a once liquid
2 and robust part of the derivative market now uses
3 less efficient execution methods for one of the
4 most volume-oriented trading instruments.

5 All of this was done to help make the
6 system safer. In the long run, that may be the
7 right outcome once the financial markets have had
8 enough time to adjust to the finalized regulatory
9 requirements. But the totality of regulation
10 isn't finalized. I would caution that forcing
11 regulatory change doesn't always end up with
12 immediate safety benefits. This is akin to trying
13 to repair a car while it is traveling on the road.

14 Now I will turn to the five questions
15 posed. How are market participants accessing this
16 market? From non-deliverable forwards
17 participants are accessing the market
18 electronically or via voice depending on a firm's
19 level of comfort with the technology and rule
20 book. Although there is no trading or clearing
21 mandate, trading on a SEF is required to execute
22 an NDF electronically. Likewise because clearing

1 is not yet mandated, there is no real need for an
2 introducing broker or clearing firm. There are no
3 pre-trade credit checks on the NDF SEFs and all
4 trades still remain governed by the existing ISDA
5 documents.

6 And they are settled bilaterally. If an
7 account can establish an ISDA with their FX bank
8 counterparty, they can access the market.

9 Two, how have the ways in which market
10 participants access the market changed? Some
11 firms have elected to remain voice only even with
12 the rule book changes.

13 Three, how what are benefits and
14 drawbacks of the current means of access? The
15 market remains liquid and deep but with different
16 capital requirements coming into effect over the
17 coming months, there are expected to be some
18 changes to the overall liquidity at the dealers.
19 There are no unusual barriers to access in this
20 market.

21 Four, are there any recommendations on
22 how the Commission could enhance market

1 participants' access to markets? If
2 non-deliverable forwards were not treated as SEFs
3 more participants may trade them. Some
4 counterparts that previously traded these with buy
5 side firms have limited their trading as they now
6 count toward the swap dealer limits. We have
7 experienced firms who have cut back on their
8 ability to trade NDFs with us such that they are
9 only trading deliverable forwards and we have had
10 to look for execution partners elsewhere.

11 Five, do market participants see any
12 inherent risks in this market that the Commission
13 should address? Again, this particular market is
14 not in need of enhancement by the Commission and
15 the inherent risks it faces are no different from
16 those faced in other markets. I would argue that
17 it needs less attention not more.

18 The currency forward market is one of
19 the most straightforward, pardon the pun, markets
20 in the OTC derivative space but its bifurcated
21 inclusion in the regulations has created a
22 situation that could increase risk and will

1 increase costs for the final investor. Further,
2 the lack of consistency regarding NDFs between the
3 European and US regulations is relevant here as
4 well. The lack of a crisp and harmonized
5 definition of spots versus forwards has created a
6 list of pending questions about margin
7 requirements and calculation of material swap
8 exposure, application of cross border
9 requirements, scope of the ISDA state protocol
10 adherence among other things.

11 The issue with the definition and
12 application of the securities conversion
13 transactions remain. The CFTC should clarify the
14 application of this term which is contained in
15 just the preamble of the final swaps definition
16 rule and the EU should adopt the same policy so
17 that any FX transactions that are intended to
18 settle with the underlying transactions should be
19 treated as spot even if they settle later than T
20 plus two.

21 Finally, to be very clear, we are in
22 favor of ensuring appropriate regulation and risk

1 mitigation for financial markets. The impact of
2 regulation on the markets is ideally meant to
3 increase transparency and safety while not
4 compromising liquidity. In the short run that
5 ideal is not being met in the FX market. The
6 regulatory uncertainty creates inertia in the
7 technological and functional evolution of the
8 market.

9 The non-cleared swap margin rules that
10 will begin to come into effect in September of
11 this year will ultimately create a cost that will
12 be borne by the investor. This far outweighs the
13 benefit in the short run. While we remain in
14 favor of increased transparency into areas of the
15 market that were opaque, focus on a mature segment
16 of the market that already has procedures in place
17 to mitigate risk and promote stability seems
18 counterintuitive and counterproductive to the task
19 at hand. Thank you.

20 MR. NIXON: Thanks, Angela. Can I ask
21 if there's any questions?

22 MR. JESKE: John, can I add one thing?

1 I think Angela made a great commentary in regards
2 to FX but as it relates to any energy users that
3 are cross border particularly to Canada,
4 Commissioner Massad, I think I saw in the press an
5 MOU being signed with some of the Canadian
6 authorities. Thank you for that effort.

7 I would point out that a lot of firms
8 have to manage the CAD versus US and as Angela
9 noted, the concept of forward spot and swap FX is
10 a bit muddled, to say the least, between the CFTC
11 regime and the Canadian regs. So just as a point
12 there. I know you mentioned Europe, completely
13 concur with that but I think this is something
14 facing firms that do business across the North
15 American borders presently and is a pretty big
16 concern, I think, for many.

17 MR. NIXON: Commissioners, any
18 questions?

19 MR. KOELING: Thank you, Commissioners.
20 I am here to represent the FAPGG which is a
21 proprietary traders group and I would actually
22 like to comment on a couple of things that Tom

1 said a couple of minutes ago. And I also had a
2 couple of questions for him.

3 I'm going to agree with quite a lot of
4 the things that were said there. Proprietary
5 trading firms are also in favor of fair and equal
6 access to everyone, making sure that it is
7 transparent, making sure that it's clear how you
8 can access markets, what kind of ways there are to
9 connect. I will totally agree as well things like
10 spoofing and layering are bad things. I think the
11 Commission has got rules out there for that. They
12 shouldn't be there. We're in total agreement on
13 that.

14 What market makers try to do, like
15 ourselves as well, is make markets for the end
16 users. And what is important for us is to make
17 sure that we have a market that functions well as
18 well. We are at the end of the day reliant on
19 these markets to exist to make sure that we can
20 actually execute our businesses as well. And we
21 end up on the same side of that equation rather
22 than on the opposite side of that spectrum.

1 With regards to what you said on floor
2 trading, my particular firm, Optiver, is more
3 related to options market making and the things
4 that you quoted as showing a 500 bid and then,
5 getting hit for a 20, that happens all the time in
6 options trading. I actually think in the
7 electronic markets hitting something on the screen
8 will guarantee that execution which I think is a
9 massive step forward as opposed to a step back.

10 I could also see that this 30,000
11 contract on the screen might look weird but
12 actually hitting that bid would lead to an
13 execution as opposed to what actually happened in
14 the trading pit. So I would assume, I actually
15 think that that is progress rather than a step
16 back. I'm not sure if you think the same. And
17 one other question I had.

18 I was curious why you think it's
19 important to actually know who traded what because
20 I don't really understand how that is an important
21 thing. Thank you.

22 MR. COYLE: The basic premise is that

1 the commercial participants, all right, buyers and
2 sells physical commodity, are a smaller percentage
3 of the market today than they once were. That's
4 just part of the new environment. That's fine but
5 it's difficult to respond to that if you don't
6 know who's actually moving the market, all right?

7 Historically, you would have a sense
8 that there's obviously some commercial activity
9 going on. You see the market move. People can
10 adjust.

11 Today the trading and the financial
12 participants dwarfs the actual commercial trade.
13 And so it requires you to trade less, right? And
14 makes it more difficult, I think, to develop a
15 strategy where you can identify what is the risk
16 reward of that position you put on? We just see a
17 lot of those.

18 I say random where you'll see nothing
19 happen in the cash market and somehow the market
20 moved 30 cents. I saw last week the bean spread
21 moved 30 cents. As far as I can tell not much
22 happened but that was a significant move. So

1 these things happen, all right?

2 Recognize that there's new participants
3 and the market adapts to it so we don't have an
4 argument with that. But having more information
5 isn't going to hurt anyone. We would have a
6 better idea how to respond and how to position for
7 that.

8 MR. NIXON: On that note since it's
9 11:45, Tim, do you want to?

10 CHAIRMAN MASSAD: Yeah, let me just say
11 a couple of words. First just thanks to everyone.
12 It was a very, very good discussion. It was a lot
13 of very useful input. I think it's quite
14 interesting just to hear the different
15 perspectives.

16 The markets, each of these markets is a
17 little bit different and plus having people who
18 had different perspectives on what is even going
19 on within in a single market was very useful. So
20 I'm not going to even attempt to draw any
21 conclusions other than to say I think it gave us a
22 lot to think about.

1 You know, I guess the only things I
2 would note similar to what I said at the outset is
3 a discussion like this is incredibly useful. It
4 is also, though, important to try to make our
5 analysis of these things data driven. And I'm
6 sure we'll be continuing to do that and looking to
7 all of you for your input as we do that.

8 I think it's also always important to
9 remember where we came from. We did come from a
10 crisis that was incredibly damaging to this
11 country in which in the fall of 2008 there was no
12 liquidity and a lot of these regulations weren't
13 in place then. So we do have to remember what, in
14 fact, is motivating a lot of things we're doing
15 and perhaps liquidity was underpriced previously.

16 I also just want to make a couple of
17 comments on Regulation AT. I appreciate the input
18 we've received on that. I think there are
19 sometimes some misconceptions about what we're
20 trying to do there. Obviously we can't turn the
21 clock back on the extent of electronic trading or
22 automated trading in our markets. Our focus,

1 though, is really on the risk of disruption, the
2 risk that an untested algorithm or an errant
3 algorithm or something could cause a major
4 disruption in our markets.

5 And in that sense, it's, I think,
6 complementary to what we're also trying to do on
7 cyber. And when we're here talking about
8 liquidity and the risks to liquidity, to me the
9 risk of a technological failure, an operational
10 failure, a cyber failure are some of the most
11 serious risks to liquidity that we face today.
12 And our rule is designed to require reasonable
13 risk controls, frankly, the same sorts of risk
14 controls that I think various groups like FIA PTG
15 and others have said are best practices.

16 And we're trying not to be prescriptive
17 about that. We weren't prescriptive and they
18 don't -- they're addressing the operational risk.
19 We're certainly not dictating how long people have
20 to keep a bid open or anything like that.

21 And I guess the final thing I will say
22 is I think there are some very, very good

1 questions as Jerry and others raised about the
2 scope of who should be subject to those controls.
3 That's a challenging issue. We had another
4 meeting of the Technology Advisory Committee
5 where we had a lot of participants, a lot of whom
6 are electronic traders saying well, you made the
7 scope too narrow actually. They wanted it even
8 broader because they are more concerned about the
9 risks that small participants pose than big ones.

10 So there's a challenge for us in terms
11 of trying to strike the right balance there. I
12 appreciate the difficulties of that and the risk
13 that we don't want to overreach. We don't want to
14 impose excessive costs on the market but we do, I
15 think, need to address the risk that the high
16 degree of automated trading in our markets poses
17 today. Thank you.

18 MR. MILLER: I'd like to ask a question.
19 Thank you, John. At the risk of following the
20 Chairman's remarks, thank you. I want to go back
21 to something that was said earlier by Mr. Mackey
22 which resonated with something that I wanted to

1 bring up. He suggested that there might be reason
2 to have some relief from the swap data reporting
3 requirements that are currently imposed
4 particularly with respect to end users.

5 And that resonates with something that
6 is a concern that I wanted to mention today. The
7 part of the market that I'm familiar with is the
8 life insurance industry and they are very large
9 directional hedgers. And they execute complicated
10 hedges in a programmatic way that often takes days
11 in order to execute. And the fact that they have
12 to be reported episodically after the execution
13 results in an illiquidity in the market and a
14 gapping of prices.

15 So though you know what you're going to
16 do almost like a block trade, similar to a block
17 trade, but it's not, you end up losing the market.
18 The market moves away from you because they can
19 see what you're executing.

20 And it's additional cost to the industry
21 doing these trades and they're not speculative
22 trades. They're really integral to the risk

1 management of the portfolio. And I'm wondering
2 whether there's a way of exploring some means of
3 getting some relief so that you can get, if you
4 come in with a block, with what is essentially
5 similar to a block, a program, and get some relief
6 from having to report those immediately, you know,
7 in the timeframe that's required to the swap data
8 repository and that make the market more
9 efficient.

10 MR. BERGER: Thanks. I also just wanted
11 to provide a few comments on some of the
12 conversation that went on mostly hearkening back
13 to the discussion at the beginning around the
14 rates and credit asset classes and I'll be quick
15 since I know we might be past our time.

16 First of all, I think it is important,
17 Marcus mentioned the Bank of England study, I
18 think it is a very good study. Researchers at
19 CLARIS have also independently validated the
20 results of that study. And actually, that study
21 only looks at data through the end of 2014 and I
22 think the progress that's been made and the

1 benefits to pricing liquidity only grew if you
2 extend the data out through 2015 as well.

3 I think that's not to say that liquidity
4 conditions are perfect in all circumstances but I
5 think the challenges that exist with respect to
6 liquidity conditions also create opportunities for
7 innovation. And so one of the steps the Citadel
8 Securities in its market-making interest rate
9 swaps market-making business has made is to look
10 at areas that liquidity provision can be improved.
11 And three of the key areas that we believe we've
12 differentiated ourselves in is one, providing firm
13 prices. And the swaps market has had a legacy of
14 purely operating on an indicative price basis.

15 The second is providing firm quotes in
16 size. So we auto quote up to 700K of DV01. So I
17 mean statements have been made that clients can't
18 get even 250K of DV01 done and I just don't think
19 that's true.

20 And the third is being reliable in
21 volatile market conditions. So on days when
22 non-farm payroll data is released or F1C minutes

1 are released, we do see a lot of other liquidity
2 providers widen bid ask or step away and those are
3 the days we were see our hit ratios go up. So
4 providing firm prices, being there in size and
5 being there in volatile market conditions are
6 innovations that liquidity providers can bring to
7 the market and differentiate themselves with.

8 I think another innovation separated in
9 the marketplace that we've talked about some today
10 is whether central limit order book trading will
11 take hold in the interest swap space. And I think
12 the promise of that trading modality is that it
13 allows all-to-all liquidity provision. So it
14 removes dependency on the existing liquidity
15 provider community.

16 I think there are certain barriers. I
17 think there is a demand for it. There are certain
18 barriers that continue to exist. I think average
19 pricing was mentioned by Kristen and that's
20 certainly a valid for certain types of asset
21 managers who have to allocate to multiple
22 accounts. I think it's false to post-trade name

1 give up a red herring.

2 We had, I think this group met just
3 about a year ago and there was a broad
4 cross-section of market participants from
5 basically every corner who agreed that it's a
6 practice that is overdue in terms of needing to be
7 gotten rid of. And MFA, a major buy side trade
8 association, put out quite a detailed white paper
9 arguing why it's detrimental for the marketplace.

10 So there is promise to CLOB trading but
11 there are material barriers that I think still
12 need to be addressed to solve that issue.

13 Finally, I think the biggest barrier that I would
14 see is to market access is the economics of
15 clearing and that's one that I think a lot of
16 people have already identified and thank the
17 Commission for being an advocate on that fact and
18 we're glad to see that I guess there's a new
19 consultation out of Basel III to look at how the
20 supplementary leverage ratio works.

21 So hopefully there is some promise there
22 in resolving that issue. Thank you.

1 MR. NIXON: Rana? We'll take one more
2 question.

3 MS. YARED: Thanks, John. I just want
4 to add to Richard's comments and note that in the
5 energy market you actually have a similar
6 phenomenon where power and gas providers, so the
7 real operators not like traders, do also tranche
8 their hedging exposure. And so the same
9 phenomenon that you reported in the life insurance
10 market which is highly directional is also seen in
11 the power and gas market not only here in the US
12 but actually more acutely in Europe where the end
13 user power and gas provider are themselves their
14 own hedger and trader. So I just wanted to add
15 that there's another market that suffers from the
16 same type of phenomenon that you described.

17 MR. NIXON: Okay. Let me just take this
18 opportunity, again, to thank all of you for
19 participating today particularly the speakers that
20 took the time to put together their thoughts.
21 We're going to bring this part of the panel to a
22 close and start off I guess pretty soon on panel

1 number two.

2 If I could end with one remark, I would
3 say that, and Chairman Massad said this, that the
4 CFTC like all regulators have a very difficult
5 role of balancing safety with market efficiency.
6 And it's not always easy to come up with rules
7 that are going to make all of the market
8 participants happy. And as a matter of fact,
9 every rule is going to have an unintended
10 consequence to some market participant.

11 I would say, though, that all of our end
12 users in the marketplace need efficient
13 marketplace in order for them to transact and I
14 think it is a benefit to the American economy or
15 the global economy to have markets that people can
16 access and trade on. And I think that obviously
17 regulators need to be very careful that the
18 ruleset that is put in place does not smother the
19 opportunity for this efficiency in the marketplace
20 and while safety is important I think the
21 efficiency of how markets operate is probably
22 paramount to all of us that are in this economy.

1 So thank you very much to all of you
2 and, Sharon, thank you very much to you for
3 organizing this today.

4 MS. WALKER: At this time in keeping
5 with the main agenda, I would like to thank John
6 Nixon for facilitating the discussion during our
7 first panel. The MRAC will take a 10-minute
8 break. We'll resume again at 12:05.

9 (Recess)

10 MS. WALKER: It is my pleasure to call
11 this meeting back to order.

12 COMMISSIONER BOWEN: Let's get seated,
13 everyone.

14 MS. WALKER: Okay. As noted in today's
15 agenda, our second panel discussion will cover how
16 is the market using portfolio compression today.
17 I would like to note that we have members of our
18 staff here on hand to answer questions and clarify
19 current law and practice. Our Chief Economist, Sayee
20 Srinivasan, and Deputy Director of the Division of
21 Market Oversight, Mr. Daniel Bucsa.

22 I would also like to introduce Mr. Ed

1 Pla, Managing Director, Head of Clearing Execution
2 at UBS Investment Bank and our representative of
3 the Futures Industry Association who will
4 facilitate and help shape the discussions during
5 the second panel.

6 MR. PLA: Thank you. I'd like to open
7 with a few thank yous on behalf of the panel and
8 the committee. Thank you to Chairman Massad and
9 Commissioner Giancarlo for your keen interest in
10 the topics covered by the Market Risk Advisory
11 Committee. To Commissioner Bowen, for your
12 enthusiastic sponsorship of the MRAC and to Petal
13 for your thorough and efficient management of all
14 the logistics that it requires to do these.

15 Second, just a few housekeeping
16 announcements, maybe to repeat some of the things
17 John said. If you would like to speak, please
18 press the button to activate your microphone.
19 Importantly, please turn it off when you're done.
20 Apparently, that's leading to some of the
21 feedback. And if you could like to speak, please
22 tilt your name card on its side and jump up and

1 down if I don't see you.

2 Third, I'd just like to thank the panel
3 for their time, the thoughtful preparation that
4 went into this. There are some PowerPoint slides
5 that we'll be referring to throughout the
6 conversation. I think we recognize this is
7 somewhat of a technical service and so forth, a
8 subset of what happens in the market and we
9 thought it was important to have some data to
10 point to.

11 The panelists include Lucio Biase, CEO
12 and Founder and LMRKTS, Claire Lobo, Global Head
13 of Business Development at Markit Trade
14 Processing, Dennis McLaughlin, Group Chief Risk
15 Officer at LCH Clearnet, Michael Modlock, Head of
16 Trireduce North America at TriOptima, and Kim
17 Taylor, President Global Operations, Technology
18 and Risk at the CME Group.

19 We thought it would be -- we have seven
20 questions that we'll go through. We've got a
21 number of speakers lined up for each. We'll pause
22 at the end of question just to see if there are

1 questions and comments from the audience before we
2 move on to number two. We thought we'd start with
3 number one which is what is portfolio compression,
4 and, Claire, could you maybe get us started on
5 that general question?

6 MS. LOBO: Thank you very much and thank
7 you, Chairman and Commissioners for the
8 opportunity to be here. And thank you, Ed, for
9 all your effort in getting us organized and into
10 this panel and all the good work from the other
11 members of the team.

12 So the first question we're trying to
13 answer for you is what is compression and also is
14 it the same thing as netting? Michael, if you
15 could take us to slide number two? That will do
16 it.

17 And just to remind you, we're going to
18 go slide --

19 MR. PLA: I think you need to speak up.

20 MS. LOBO: Oh, sorry. Is that any
21 better? Yeah, that sounds better. Michael, just
22 to remind you, we're going to start on two, we're

1 going to go four and then, to three.

2 So it's important when just before we
3 even say anything about compression to understand
4 that the goal of compression and netting is to
5 reduce risk overall in the market. So we're going
6 to spend a lot of time talking about risk
7 reduction and why that's good and the various ways
8 that people achieve that.

9 It is the process, if you're at all a
10 gardener, is it the season where you're supposed
11 to be out there doing those things. It's the
12 process of pruning trades from a portfolio in
13 order to mitigate these risks. Netting, one of
14 the questions is what is netting? Is it different
15 than compression?

16 Netting is most commonly thought of as a
17 type of compressing trades where you offset
18 equally in a risk-free manner trades that you
19 might have either cleared or uncleared.
20 Compression comes in many, many forms and we're
21 going to go through some of those. And we're
22 going to look at slide four to just go through

1 what compression is.

2 So we're going to start with the
3 benefits of compression. So there -- compression
4 is really a way of, if we could just pop all the
5 bubbles up there, of managing all these different
6 types of risks. So one very important one is
7 capital usage.

8 So the way that Basel III is being
9 implemented imposes leverage ratios on banks that
10 look at gross notional. This has been a very
11 large driver of compression in order to offset
12 trades that over the years have piled up, may not
13 be representing open positions anymore. They've
14 been closed off with each other but by reducing
15 those overall number of trades, thereby reducing
16 gross notional, you can reduce your leverage ratio
17 and get a more favorable capital charge against
18 those trades.

19 Next and really, really important is
20 margin management. This is true especially as the
21 non-cleared margin rules are ramping up. In
22 September we've seen a lot of aggressive

1 compression and netting around these margin rules
2 that are coming in and we expect to see more and
3 more as we near to September and as that phasing
4 goes on and on.

5 Also very, very important especially on
6 the buy side is counterparty risk. Managing your
7 credit lines with your clearing brokers as well as
8 with your counterparties has always been something
9 that's been used by the buy side as well as the
10 sell side, swap dealers in the market for really
11 -- back since I've been in the market since 2003,
12 2004.

13 Operational risk is very, very important
14 as well. We saw in the Lehman default there were
15 about 120,000, 125,000 trades or more that needed
16 to be collapsed. Today, people have very actively
17 managed to get that number of trades lower so that
18 in a default scenario and also in just for making
19 payments and settlement, that process is
20 streamlined and it's much easier to manage the
21 overall book of trades.

22 Regulatory compliance, the CFTC rules

1 require swap dealers to establish and implement
2 written portfolio compression policies to offset
3 bilaterally and multilaterally compress uncleared
4 trades between its customers and it also
5 encourages compression and netting of trades
6 whether they're cleared or not.

7 And then, the big one is to lower costs
8 in this market. Having fewer trades on the book,
9 having less gross notional, having less
10 counterparty risk, all mitigate costs and engage
11 the market and more efficiencies. If we can go to
12 three?

13 So here we're going to talk about the
14 different types of compression that we have and
15 netting that we have in the marketplace.
16 Bilateral tear up of trades have been going on
17 since I've been in this market back into the
18 nineties. It's very, very typical and it's still
19 very, very useful especially in the uncleared
20 space. It's actually used across all markets, FX,
21 credits, rates primarily. And also in commodities
22 but I'm not an expert there so I'll leave that

1 some of my teammates to discuss.

2 Trade collapsing within clearing houses,
3 this really took off in around 2009 and just to
4 demonstrate the extent of this, LCH published
5 their compression data on their Web site. It
6 shows that as of March 31 of this year there were
7 2.267 million trades that were actively open in
8 the clearing house. It also shows that the number
9 could have been as high as 8.137 million if
10 compression hadn't been used actively over the
11 last really five years.

12 Further, you can find out from that Web
13 site that in March 353,623 trades were cleared but
14 the outstanding notional, sorry, the outstanding
15 volume only increased by 26,069 trades. So you
16 can understand just from looking at those metrics
17 how much is really being compressed on a daily
18 basis. That was all about collapsing trades
19 within clearing houses.

20 Multilateral compression runs have been
21 used extensively since 2003. TriOptima has a
22 service called triReduce. It did its first run in

1 2003 and since then, it's compressed 768 trillion
2 of notional from these markets. And Michael can
3 tell us more about that in just a minute.

4 Compaction is the last major type of
5 compression that's being actively used. And this
6 is a process where entire portfolios are optioned
7 in order to relieve that original counterparty of
8 that portfolio. And this happens in the cleared
9 and in the uncleared space.

10 ISDA reported in their research note in
11 July of 2015 that compaction could be accounting
12 for as much as six to seven percent of the SEF
13 activity. I'm now to turn it over to Michael and
14 Lucio who are going to walk us through what
15 risk-free compression means and what
16 risk-constrained compression means. Thank you.

17 MR. MODLOCK: Thank you, Claire, and
18 also thanks again to the Commission for their
19 continued encouragement in these diverse topics.
20 So my name is Michael Modlock. The (inaudible)
21 compression, risk reducing business in North
22 America for TriOptima. What we'll cover just now

1 is the differences between the various forms of
2 compression. We've got three examples here.

3 Earlier on in the first panel, Rana had
4 observed that some of the clients were gravitated
5 towards executing swaps with particular cash
6 flows. And I think one of the reasons could be
7 that they're looking to find perfectly offsetting
8 trades in a clearing house so they can be
9 risk-free netted. And first example here we've
10 got the blue trades are blue. Sorry, the paid
11 trades are blue. The orange trades are received.

12 We've got an example where there's a pay
13 and a receive at two percent. The pay is 100.
14 The receive is 90. That pair would be eligible
15 for risk-free netting compression in the clearing
16 house. And the way that that would work is you
17 would net those down and you've got a residual
18 trade on the pay side of 10 million.

19 If we look at the next bucket, the
20 five-year bucket, we've got a similar but not
21 identical example. We've got 100 million pay
22 trade at 1.7 percent and that's offset with three

1 trades of 25 million each at different coupons.
2 So the fundamental difference between the first
3 and second example is that the cash flows match
4 but the coupons and the notionals don't.

5 This would be an example of coupon
6 blending which is offered by the CCPs, various
7 methodologies and what you'd end up there with is
8 a residual or a remnant trade with a different
9 coupon. Next example is 1.6 percent of 25
10 million. Both of these approaches would fall
11 under what we define as risk-free compression.

12 The third example is what we do at
13 TriOptima which is multilateral risk-constrained
14 compression. And in this example, we've got our
15 familiar 100 million pay trade. It's at 1.5
16 percent. There's two trades that are offsetting
17 it and you can see that they're done on different
18 days so the 50 million received trade at 1.7 is on
19 a one day. The next trade is on the following
20 day, the payer, and the third received trade is
21 done at 1.6 percent. So we've got different
22 notionals, different cash flows, different

1 coupons.

2 That example is not eligible for
3 risk-free netting or coupon blending. So what
4 you'd end up with there is the ability to remove
5 all of those trades. And the way that that would
6 work is that the participants would set what we
7 refer to as tolerancies for market risk and credit
8 risk and that enables the algorithm to compress
9 trades with different but similar characteristics
10 at the same time.

11 Lucio, if you want to add to that?

12 MR. BIASE: I really don't have much to
13 add except while you spoke about various forms of
14 compression, I'd like to maybe touch on the
15 various goals. So in the examples that Michael
16 went through, it's really to reduce gross notional
17 and trade count. So operational risk, of course,
18 is the goal of that is to lower the amount of
19 trades you have and this touches upon Claire's
20 point, maybe proactively before crisis so it's a
21 manageable number of trades and you're assessing
22 the risk and the impact of the parties' failure.

1 As the incentive and how leverage was
2 charged was based on approximations based on the
3 gross notional of trades. The offerings would
4 focus on reducing gross notional. But that
5 wouldn't do so much to limit counterparty
6 exposure, risk or the impact of the party's
7 failure. And I think that may bring us to the
8 next topic.

9 MR. PLA: Thank you. Kim, I wonder if
10 you could touch on your definition or shed some
11 light on the notion of risk mitigation and how you
12 see it as being different from compression?

13 MS. TAYLOR: Certainly. Claire
14 mentioned compaction and that is the term that is
15 frequently used for this type of compression.
16 Risk mitigation is another word for it and what
17 happens here, what tends to happen here is that a
18 party who has a package of trade exposures in a
19 selection of different trades will go to the
20 market and look for someone to trade an offsetting
21 package of trades.

22 So they're looking to create the

1 directly offsetting trades that can be netted and
2 then, a set of replacement trades that would tend
3 to be smaller, a smaller number of trades to put
4 -- to kind of reinstate the exposure. And perhaps
5 that additional new trades are somewhat different
6 in exposure from what the original package was.

7 So this is a package that is put out to
8 the marketplace and in an auction type of format.
9 It's a trade for the package. And then, I think
10 one of the other features that is different about
11 compaction that it's important to note versus the
12 other types of compression that we have been
13 talking about is generally speaking the risk-free
14 and risk-constrained compression mechanisms,
15 everyone who participates in the process ends up
16 with a risk-reducing outcome.

17 Risk, you know, neutral or risk-reducing
18 outcome with this compaction type of transaction
19 that goes to the market as a package, it could be
20 an entirely new set of trade exposures for the
21 counterparty to the original portfolio. So it is
22 different in a couple of ways. One way is that it

1 involves soliciting current market prices so it is
2 -- we consider it a trade that is -- has a market
3 impact or a price discovery element to the
4 transaction. And it also a trade that is not
5 necessarily or package of trades that is not
6 necessarily risk reducing for all the participants
7 in the process.

8 So that is a definition for you of
9 market compaction and drawing some of the
10 distinctions.

11 MR. PLA: Thank you, Kim. Lucio?

12 MR. BIASE: Yes. I view risk
13 mitigation, I understand compaction, bidless but I
14 view risk mitigation as a somewhat larger
15 application of portfolio compression. There was a
16 slide earlier where it was kind of put on top of
17 the pyramid. I don't view it as so much as a
18 separate but a crucial part.

19 It perhaps the most crucial way to
20 mitigate the impact of one's failure on others.
21 And let me try to relate the forms of compression.
22 So compression in its various forms should be done

1 periodically and proactively to promote liquidity,
2 promote better price discovery because people have
3 more capacity to trade with others, but most
4 importantly, ahead of a failure to limit
5 contagion, lower the severity and probability of
6 maybe another bailout.

7 Traditional compression, line-item
8 termination makes the failure more
9 administratively easy to measure after it happens
10 but it does nothing to lower the exposure or
11 impact of that party's failure. Gross notional,
12 which isn't so separate, and again the question
13 was how is risk mitigation different or is it
14 different from compression?

15 Gross notional reduction was geared
16 towards leverage when leverage was used as the
17 best base or approximation of -- gross notional
18 was used as an approximation of actual exposures.
19 But the pendulum is swinging and leverage-based
20 calculations are moving more towards risk based
21 which is more in sync with, I think, the goals of
22 everyone around this table especially when you're

1 onto the standardized approach and modified SACR.

2 Risk mitigation, keep in mind that
3 parties do not selectively default. If I had a
4 portfolio with another bilateral party or even
5 with a CCP, when I fail, I fail on all those
6 positions. In the earlier slide, in the earlier
7 question where Michael ran through risk-free
8 compression, I'm trying to relate all three, you
9 saw that it doesn't actually lower the exposure
10 between parties but it lowers either the gross
11 notional and there's a leverage incentive to do
12 that, an economic incentive to do that, but it's
13 not actually lowering the risk between parties.

14 And that's where risk mitigation, I
15 think, complements and is really has its right
16 spot on the top of that pyramid in terms of what
17 the various forms of compression are. So in
18 summary, fewer trades means less items to value in
19 a default but lower exposures means a smaller
20 impact of a party's failure. Thank you.

21 MR. PLA: Thanks, Lucio. Any other
22 questions or comments on question number one?

1 Okay. Dennis, I'm wondering if you
2 could share your perspective on how widely market
3 participants are currently using compression and
4 risk mitigation services from your experience at
5 LCH Clearnet.

6 MR. MCLAUGHLIN: Sure. Thanks for the
7 invitation to be here. I think slide five really,
8 if you could bring it to slide five, really sums
9 up what's going on.

10 We see since the height around the June
11 of two years, June 2014, we've seen that the
12 compression has really reduced the amount of
13 notional outstanding clearing houses. And this
14 was from a BIS study. And it's driven, of course,
15 by the fact that the regulatory capital is
16 notional driven. And in this day and age, balance
17 sheet capacity is an extremely scarce resource and
18 banks have to be very, very careful about how they
19 use it.

20 The way this works is as was explained
21 the portfolio trays that a bank would have with
22 the clearing house is going to be replaced by

1 another portfolio with less notional but same cash
2 flows. So cash flow matching is really critical
3 here. So that means that the risk as far as the
4 clearing house is concerned is the same.

5 Now to give you an idea of the extent of
6 this on the ground, we started this really about
7 two years ago in earnest, maybe slightly less than
8 two years. And the notional outstanding at LCH
9 went from 450 trillion to 250 trillion. That's
10 almost a 50 percent reduction.

11 And accompanying that, the number of
12 trades on the books fell by 40 percent. So and
13 the idea is if we had a default then, the
14 portfolios have been cleaned up to a great extent
15 and we don't have all these superfluous trades
16 lying around the place that we have to manage.

17 Now of course this activity continues on
18 and on. It's a very, obviously it's kind of odd
19 that some newspaper said we were having a decline
20 in business when in actual fact, our business is
21 going full steam. But they were just looking at
22 the gross notional falling but, in fact, things

1 couldn't be better in the sense that huge demand
2 for this kind of activity.

3 The other thing I would say is this is
4 CCP sees. But of course, it's not all trades in
5 the market. It's the mandated trades. So there's
6 other things going on here, cross-currency swaps,
7 swaptions, all this kind of activity for which
8 third party advisors are helping banks manage the
9 risk in their portfolios down. And it's only the
10 mandatory cleared trades that we see inside the
11 clearing house.

12 So there's a lot more activity there and
13 that creates a challenge for regulations is how do
14 you -- you only have one piece of the puzzle so to
15 speak. How do you get your arms around
16 everything? Because the swaps staying in a
17 repository will only give you a piece of it. But
18 the extent of this is quite substantial.

19 MR. PLA: Claire, what data elements do
20 you think we can use to try to gauge the extent of
21 the use of these services?

22 MS. LOBO: I'll answer that in just one

1 minute but maybe I can help with what we see
2 outside of the clearing house just to give people
3 a flavor. In credit, where it's actually quite
4 hard to find any public data, which I tried, I
5 have to use our internal data and judging from the
6 first three months of this year, about a third of
7 the volume that we see is compression related.
8 And that's compression and netting together.

9 The skew is slightly towards index and
10 slightly towards trades that are already in the
11 clearing house but we also see robust compression
12 occurring in a bilateral space and the
13 multilateral space outside of the clearing house
14 in credit. In rates, is just as that the market
15 would be 62 percent larger if compression was not
16 used.

17 We see less bilateral compression than
18 we do in the credit space but we see quite a lot
19 of it. And that, I think, is largely because the
20 compression within the cleared space is so very
21 successful. It's successful and there are so many
22 different ways to achieve the goals.

1 a currency pair, and I think it was Angela who
2 mentioned this as well, as a customer executes
3 many different trades, many different venues but
4 is going to use a prime broker, they will actually
5 aggregate those trades with the executing broker
6 and give up one single trade to the prime broker
7 in that currency pair. And we see Triana moving
8 into the FX space as well for multilateral
9 compression.

10 In terms of how these trades are
11 identified, they are identified today by using the
12 bulk event ID. If it is a compression event that
13 is on a trade which is not a new, originating
14 trade or if it's part of a coupon blending,
15 typically the price forming flag will be ticked
16 off. And if it's a compaction type of trade that
17 has a third party that's involved in that risk
18 pool, typically the price forming flag will be
19 ticked on.

20 So between those two identifies, it is
21 possible to observe the trades that are going
22 through this process.

1 MR. PLA: Okay. Third topic question,
2 for you, Lucio. Some of the service offerings
3 obviously involve a tear-up of trades where the
4 goal is to reduce gross notional. At the other
5 end of the spectrum of complexity, the goal seems
6 to be risk reduction or risk mitigation. How do
7 those latter services differ from a low frequency
8 dynamic hedging strategy that's also meant to
9 manage risk?

10 MR. BIASE: Sure. The goal -- sorry.
11 The goal is shared. The means are very similar
12 but the efficiencies are very different. Initial
13 margin, often called IM, is usually a measure of
14 some of the counterparty exposure you have against
15 a party. When I traded on the buy side 13 years
16 ago, part of my job was to do these dynamic
17 hedges. Maybe there wasn't a term for it yet but
18 you would layer on trades to lower your exposures
19 to banks, A) for the benefit of lowering your
20 exposures to the various banks, and B) to reduce
21 the real cost of initial margin.

22 Where I see this compression different

1 is that it's done by a third party. And it's done
2 to a level of efficiency that the parties cannot
3 do almost by definition, right? So if you have a
4 third party with a holistic view of the exposures
5 parties have to each other, right, and this third
6 party should be independent. Then they are
7 uniquely positioned to find a series of dynamic
8 hedges to the parties' mutual benefit. Okay?

9 I don't want to dwell too much. I just
10 want to go through, I guess, the main points
11 there. And that is if it's coordinated by a third
12 party it's a level of efficiency because if you're
13 doing it on your own, you kind of have this myopic
14 view of the market. And while you may request a
15 trade to be novated or put on, novated between two
16 other participants or put on, you have
17 trade-specific hurdles that prevent this from
18 really happening when a single party looks to
19 dynamically hedge their book.

20 In the case of novations, you don't know
21 the credit appetite between the two other parties.
22 It may be in their mutual best interest. It may

1 not be. But you're certainly going to get charged
2 for that. Beyond that, you're crossing bid-asks
3 and exposed to market risk as you're layering on
4 these trades.

5 I think the fundamental difference here
6 between compression, risk mitigation through the
7 form of compression, and individual parties doing
8 dynamic hedges is just the efficiency with which
9 it can be achieved. And that's why to this day,
10 even with the implementation of clearing and
11 dynamic hedges, backloading, the amount of total
12 counterparty exposure people have versus their
13 market risk is still rather significant. And
14 there's, I think, an opportunity and a need to
15 lower that amount. In deference to time, I won't
16 go deeper.

17 MR. PLA: Michael?

18 MR. MODLOCK: So just to follow on from
19 that and first I'll answer the question
20 specifically. So the way that I would interpret
21 the dynamic hedging is that you've got parties
22 going out and bilaterally executing trades on an

1 iterative basis with the ambition to hedge market
2 risk, basis risk.

3 I think if you compare that to a
4 post-trade service, we operate an all or nothing
5 approach with more than two participants. And the
6 objective of that is to have a totally risk
7 neutral result across all parties. So I would see
8 that as one fundamental difference between the
9 two.

10 If you enter into dynamic hedging, you
11 are going to be adding or positively or negatively
12 market risk. So I think if, to Lucio's point, you
13 could look at that as a third party provider who's
14 delivering a service that could reduce credit risk
15 without increasing or decreasing market risk.

16 What I would also add is if we just
17 maybe move to this example here. Compression risk
18 in other measures, you know, we talked earlier
19 about notional and line items and how that reduces
20 risk overall. You get to a point where if you
21 keep removing risk neutral pieces of the
22 portfolio, you end up with more directional

1 portfolio certainly on the bilateral netting set.

2 And what we're interested to look at
3 over and above the reduction of notional and line
4 items which, as we pointed out earlier reduces the
5 capital cost and actually improves the leverage
6 ratio for firms, we can also look at risk in other
7 measures. So let's take, for example, the DV01 in
8 interest rate swap. We've got a portfolio here
9 with peaks and troughs and you can see that the
10 blues offset the reds and it's actually red's
11 simply market risk flat.

12 But from a counterparty exposure basis,
13 you've got a series of extremes, positive and
14 negative, counterparty exposure. And to Lucio's
15 point, what are you are able to do with services
16 that do not necessarily remove notional but do
17 reduce risk is you can flatten out these peaks and
18 troughs.

19 So you're market risk neutral to start
20 with. You're market risk neutral at the end but
21 what you've changed in your counterparty credit
22 exposures. That can be done at a bilateral level.

1 It's more challenging at a more industry-wide
2 level. You can certainly achieve that for cleared
3 and uncleared exposures at the same time. If we
4 think about the number of clearing venues that
5 there are now compared to them in the crisis and
6 the number of market participants that have got
7 large exposures with each other, then this is an
8 opportunity over and above the traditional
9 compression as we've come to know it and as
10 defined in the CFTC rules.

11 MR. BIASE: Yeah, I would like to
12 piggyback off Michael's points. And maybe take a
13 step back and just because we're using the words
14 risk a few ways. And I think maybe the best way
15 to look at it is your market risk is the impact of
16 a movement in the market on your portfolio against
17 a specific party that's your counterparty credit
18 risk, okay?

19 Now to the extent that your compression
20 can be seen as a complement to Volcker, so Volcker
21 limits participants' ability to take market risk.
22 But in and of itself it may not be sufficient to

1 lower contagion because you still have this
2 counterparty exposure that exceeds the net market
3 risk. And we call it redundant risk but you can
4 look at it as excess or systemic risk and that's
5 what this dynamic hedging or risk mitigation
6 services reduce.

7 So you get the total counterparty
8 exposure down to the net market risk. And that's
9 a necessary complement, in my humble opinion, to
10 Volcker and that form of reform.

11 MS. TAYLOR: If I could just add
12 somewhat of a clearinghouse perspective to this
13 part of the discussion? When clearinghouses
14 accept transactions there are some regulatory
15 requirements, actually, and then, some good risk
16 management practice requirements as well that
17 require clearinghouses to put some sort of credit
18 screen or limit on the change in exposure that
19 comes from a certain transaction.

20 So with these compression measures that
21 are changing the counterparty credit risk mix, if
22 the clearinghouses are one of those

1 counterparties, although I wouldn't say that these
2 trades have a market impact, they would have a
3 credit risk impact and would need to be --
4 clearinghouses would need to be allowed to have
5 risk controls or filters on these type of changes
6 in the counterparty risk behavior of their
7 clearing members.

8 So that's another kind of layer of
9 distinction in the types of transactions and the
10 types of market treatment that should be applied
11 to them.

12 MR. MODLOCK: And if I could just add to
13 that, I think that's a good point from Kim. One
14 of the things that is going to change this year
15 for us at least is the ability to extend
16 compression services beyond the traditional sell
17 side dealer community and be able to involve the
18 FCMS, CCPs and see end users, at least the buy
19 side, who have got a relatively balanced portfolio
20 that would be eligible for compression on a
21 multilateral basis and be able to work with a
22 broader industry community. Naturally the FCMS

1 and the CCPs would have some kind of governance
2 around the amount of risk that could be changed.
3 And certainly that's something we expect to happen
4 this summer.

5 MR. PLA: Rana?

6 MS. YARED: Thank you, Ed. I just want
7 to add the dealer's perspective to it. We've
8 heard on a couple of occasions that one of the
9 reasons why we spend time talking about
10 compression as an industry is because it lets
11 these fine folks peddle their wares.

12 But this -- oh. I don't I'm ever
13 accused of being quiet. So here we go. But the
14 compression tools are actually incredibly
15 important from the dealer point of view. And I
16 just want to distinguish a little bit what's being
17 said.

18 So I would just set dynamic hedging
19 aside because for me that's a trade event. So at
20 the point of trade, one decides that I wish to
21 hedge my risk in the following way and then, you
22 do that in a programmatic fashion.

1 It's price formative by definition.
2 Everything that we think about as true
3 compression, again, I'd set compaction aside, is
4 by definition not price forming and is also by
5 definition a post-trade event. And it really
6 falls into three buckets in the dealer's mind and
7 I can't emphasize enough, like, how important
8 these three things are.

9 So one is gross notional reduction which
10 has been, I think, elaborated on extensively. The
11 second is exposure reductions. So to give a very
12 kind of concrete response to this. One of the
13 things that obviously weighs on our mind very
14 deeply is CCAR. And one of the items in CCAR that
15 weighs on our mind, specifically, is the concept
16 of large counterparty exposure. And as I think,
17 Lucio had said there can be a difference between
18 one's exposure and one's true market risk.

19 And of course, we're all benefitted by
20 bringing the two as close together as possible.
21 Well, one of the methods that one or more of these
22 individuals have suggested to us is a method

1 whereby we would, with our other dealer
2 counterparts, submit our trades for a particular
3 product into a central service that's run by a
4 third party. And that third party would come back
5 and tell us, I'm going to use Morgan Stanley
6 because they're right across from me, Goldman and
7 Morgan Stanley, you need to put on the following
8 that collectively would reduce your gross exposure
9 to some other folks around the table.

10 Today that is an increase of trade.
11 It's a new trade. So therefore it's notional
12 increasing and we're not sure, based on the
13 guidance that we've received from your good
14 selves, that that trade actually falls inside of
15 the no action relief guidance because it's a new
16 trade. And because it's not gross notional
17 reducing.

18 But as is very clear, it is definitely
19 exposure reducing which is beneficial for systemic
20 risk. I hope that's an uncontroversial statement.

21 The second type as it really relates to
22 initial margin is what I would call delta

1 reduction. So again same as just like exposure to
2 a particular counterpart. It might be the case,
3 as I think Michael's slide shows really nicely,
4 that the portfolio in total could actually be
5 quite risk neutral. But to a particular
6 counterpart could not be and by getting many
7 counterparties to work together through a third
8 party, you get the benefit of triangulation and an
9 opportunity to reduce excess market risk as close
10 down to true market risk as possible, which in the
11 unfortunate and hopefully not coming event of a
12 default allows for systemic risk reduction.

13 Again, one method which one might do
14 this might be to add a trade which we are
15 concerned doesn't under the no action relief. So
16 the specific ask from the trading side of the
17 house would be to look at the no action relief
18 letter that you kindly issued us in 2013 which was
19 very helpful to us and see if there's an
20 opportunity within very constrained parameters
21 such as non-prize forming service provided by a
22 third party which means that like if the concern

1 is that the counterparties might game if it if
2 they work with one another, it's you can't game it
3 through a third party. And then, you know, report
4 it as such back to you guys.

5 If there can be a way to expand that no
6 action relief to allow us to ultimately achieve
7 the goal of systemic risk reduction.

8 MR. PLA: Thank you. Stephen?

9 MR. BERGER: Thank you. I just wanted
10 to also chime in with a buy side market
11 participant's view of what we do in the
12 marketplace today with respect to portfolio
13 compression in our funds. And I'm going to talk
14 specifically about cleared interest rate swaps.

15 I think as Michael just noted, to date
16 the multilateral compression facility provided by
17 TriOptima has not been available for buy side
18 market participants clearing through an FCM. So
19 that's -- when it is that may be something that
20 buy side participants look at. But to date, the
21 most common form of most common way to do
22 portfolio compression is, I think Kim alluded to,

1 you go into the marketplace to execute what's
2 called an offset or unlined package.

3 So if you have 50 line items on your
4 books that you want to compress, you go find
5 somebody that will take the other side of those 50
6 line items so you then have 150 completely offset
7 the other 50 and then, through your FCM you can
8 take those to the CCP and get those extinguished
9 and you're left with a handful of line items that
10 were part of that offset package that have roughly
11 the same risk exposure as the 50 that you were
12 obtaining to compress.

13 That activity two years ago was entirely
14 done by spreadsheet. So you'd say -- you get a
15 spreadsheet of the 50 line items you wanted to
16 compress. You'd send that out to a dealer or two
17 to get priced up and they'd come back to you with
18 their suggestion of that. Today that process is
19 almost entirely done, at least for us, on SEF even
20 though those offset packages have no MAT
21 components. So it's an instance where people are
22 voluntarily using SEFs for the kind of STP and

1 workload benefits they provide.

2 And I mean, I think trueEX was a
3 well-known pioneer in that space with their PTC
4 tool but Bloomberg and Tradeweb now have basically
5 the same types of functionality. So I think a lot
6 of clients are now using SEFs to do their offset
7 packages. And I think the goals are, again, as
8 others have noted, line item and gross notional
9 reductions.

10 So anyway that's basically kind of how
11 it's working for now from a buy side perspective.

12 MR. PLA: Marcus?

13 MR. STANLEY: Thank you. So this is
14 obviously a complex area and we're happy to learn
15 more about it. I have to say at this point we see
16 a pretty big difference between the gross notional
17 reducing form of compression, what was called the
18 risk-free compression and the risk mitigation or
19 risk-constrained compression.

20 And the reason is that in terms of
21 risk-free compression or gross notional reduction
22 it seems like you're looking at two per --

1 essentially two trades that are identical except
2 they are in offsetting directions. And if you can
3 just get the counterparty risk out of there you
4 have essentially eliminated the risk in an
5 objective way.

6 The problem to us with looking at these
7 risk mitigating or exposure reducing trades in the
8 same way is that these regulatory exposure metrics
9 are basically, they're basically risk adjustments
10 for capital. If there's one thing we learned in
11 the crisis, it's that risk-weighted capital is a
12 dangerous concept because it involves a whole lot
13 of assumptions about how things are going to
14 behave in a crisis. It's very model dependent.

15 And if you look at the SACR that is
16 going to be the measure of potential future
17 exposure that Basel is pressing for, you see a lot
18 of assumptions there both in terms of the netting
19 recognized within a netting set which, right now,
20 could look one way. But at a future moment could
21 look quite different because you might have very
22 different instruments within the netting set.

1 And you also see a lot of assumptions
2 about correlations within a hedging set. And
3 those correlations could also go wrong in the
4 future.

5 So obviously in the background of this
6 whole discussion is are we going to grant
7 regulatory exemptions and I don't think there's
8 any question that when regulators put those
9 exposure metrics out there, people are going to
10 try to rearrange their trades to reduce their
11 exposures according to those metrics. I mean,
12 that is going to happen and it can't really be
13 stopped. But as that happens, it may well be that
14 people will find areas of risk, ways to do risky
15 trades where the risks are not reflected within
16 those models and within those exposure metrics.

17 That's exactly what happened prior to
18 the crisis. People found the weak points in the
19 risk adjustments for capital and they went there
20 and they pushed a lot of volume in there.

21 And I think that if we want our market
22 regulation system to sort of a separate protection

1 and a separate check that's different from just
2 our capital exposure metrics, our risk adjustments
3 in capital, we have to be careful about granting
4 too many exposures, sorry, too many exemptions to
5 sort of this model-based exposure reduction.

6 I think that there are dangers there.
7 Although and one final point I would make is that
8 we are going to have a lot of consulting
9 organizations and a lot of third parties offering
10 to try to help people in various ways reduce their
11 capital exposure. And that's fine and that's
12 great. They're going to give advice.

13 To the degree that we privilege a few of
14 these third parties by giving them special
15 exemptions in this area, there could be some
16 competitive issues in terms of how that advice is
17 provided. So just once again, bottom line to us,
18 the risk-free compression, the notional reduction
19 compression, it's not model dependent. It seems
20 like the model dependent risk mitigation kinds of
21 changes in trade seem to present some quite
22 different issues to us.

1 MR. PLA: Good. A number of things that
2 were said are probably a good segue to question
3 number four.

4 Kim, how do you distinguish, when you
5 think about risk mitigation, to the extent that
6 there is or is not price discovery taking place,
7 could risk mitigations services in the limit be
8 considered order book trading? How are they
9 different?

10 MS. TAYLOR: Yes. I think one of the
11 distinctions that we have been trying to make and
12 based on your comments, I think we haven't maybe
13 succeeded in making that distinction clear, is
14 that we're actually suggesting that compression,
15 the definition of compression include the types of
16 features that Rana was talking about. Where it is
17 provided by a third party, where it is not price
18 formative or it's not part of the price discovery
19 function so there's not a trade.

20 All of these compression services,
21 whether they are riskless or risk constrained that
22 we've been talking about actually do reduce

1 notional exposure, transactionally are eliminated
2 and the distinction is basically that you get a
3 broader set of trades that you can work with to
4 execute that risk reduction than you would get if
5 you only did risk-free compression. So where we
6 see a distinction between something being a trade
7 and being a product of a compression activity is
8 that it is basically done at a stale price.
9 There's not a new pricing element to the
10 transaction.

11 It actually does reduce open line items
12 or notional exposure and it can do that within
13 kind of a bilateral or unilateral universe or it
14 can do that across a multilateral set of
15 counterparties in some type of a third party
16 service. And I represent a company that provides
17 a clearinghouse. And as a clearinghouse, we can
18 actually be a provider of a compression service or
19 we can actually be someone who takes in the end
20 product of a compression service that happens at
21 another third party.

22 And as long as those are risk-neutral or

1 risk-reducing activities for both sides of the
2 equation, we would consider those to be defined as
3 compression transactions and we would consider
4 them not to be order book transactions.

5 If they are brought to the market, even
6 if because of the circumstances that the gentleman
7 from Citadel was laying out because the kind of
8 broader compression services aren't readily
9 available to all elements of the marketplace as
10 yet. If there are trades executed with a price
11 discovery function in order to accomplish the
12 activity, then we would consider those to be order
13 book transactions or transactions that would be
14 trades and the services used to execute those
15 trades to be some type of an order book
16 transaction.

17 MR. PLA: Michael?

18 MR. MODLOCK: Yeah, I have a couple of
19 thoughts on this. So from a service provider
20 perspective, we are regulated and as members of
21 the NFA, we operate within the CFTC rules
22 obviously as do our clients.

1 When we think about the rules that are
2 attributed to SEFs, DCOs, DCMs, for example, we
3 don't provide a platform that bids and offers a
4 meeting. The services that we offer are not real
5 time. They're not continuous. It's not an
6 all-to-all market where we're operating with
7 subsets of the industry here.

8 So I think they're all good examples of
9 why we wouldn't need to be certainly registered as
10 SEF. In fact, the core principles back in June
11 2013 had said that multilateral portfolio
12 compression exercises are not viewed as involving
13 the execution or trading of swaps. Rather they
14 are viewed as netting mechanism and do not require
15 compression service providers to register as SEFs.

16 So I think the rules and the logic and
17 the common sense would support that. If we go
18 back to the concept of the risk reduction through
19 other means not just notional and line items, if I
20 was trying to reduce risk with you, I can only do
21 that with the compression of execution of a new
22 swap that rebalances the exposure that you and I

1 have today. So it's no good me putting that out
2 in the clear wants to trade that swap with me
3 because that's not going to work for us in our
4 relationship.

5 So there are already a very large number
6 of conditions and tolerances that the market
7 participants themselves dictate as part of using
8 the service. In addition to that, when we work
9 with clearinghouses and we're working with six of
10 them now on the compression of cleared swaps, the
11 clearinghouse needs to be absolutely cash flat per
12 day so there's no change of risk at all for the
13 CCP.

14 And the market participants set their
15 tolerances which are predefined. So this is
16 purely an analytical service.

17 MR. PLA: Kim, maybe a follow up for
18 you. To the extent that these non-price discovery
19 services that are taking place also take place on
20 SEFs and DCMs and DCOs, what is the or is there a
21 policy justification for allowing these services
22 to take place in the realm of unregistered service

1 providers?

2 MS. TAYLOR: I think for me I think the
3 distinction comes back to is the activity that is
4 being performed creating a trade as the market
5 would define a trade and or not. And if it is,
6 then I think it's a registered activity and would
7 need to be performed by a registered provider.
8 And if it's not a trade, then I think there is a
9 lot of flexibility for that not to be required.
10 And I mean, I represent a company that basically
11 all we do is provide services through registered
12 entities. It would be very handy for me to be
13 self-serving about it and say that everything
14 should be done for a registered entity but really
15 these activities are -- the activities of
16 compression are truly risk reducing.

17 They're risk reducing for the market
18 participants. They're risk reducing, the way
19 they're being provided now, they're risk reducing
20 for clearinghouses. And they are risk reducing in
21 a broader, systemic way. I think everyone would
22 agree that the London Clearinghouse had a very

1 successful default management exercise with the
2 Lehman swap portfolio in 2008.

3 But if you look into the details of it,
4 it was still successful but it took a lot of work
5 by the street overall, over a period of several
6 days maybe even a couple of weeks to do the
7 operational part of managing the book of
8 transactions. And now if it were to happen,
9 another type of event similar to that, the size of
10 the book that would be being brought to bear to
11 the market and that everyone would have to react
12 to and process, would be cut by at least half.

13 Actually, in terms of line items, it
14 would probably be cut by significantly more than
15 half. So I think it's a better, easier default
16 management is a byproduct of good access to
17 compression services. So we would be an advocate
18 of compression services being able to be broadly
19 available and actually even expanded beyond where
20 they are provided now so that it would be able to
21 include elements of the buy side for example.

22 MR. PLA: John?

1 MR. NIXON: What are your concerns about
2 potential rules going forward that could be put in
3 place that could impact the effectiveness of
4 either compression or netting?

5 MS. TAYLOR: I think one of the concerns
6 that we always have is that there will be
7 regulation that increases the cost without a
8 significantly corresponding decrease in risk.

9 So kind of unnecessary costs and one of
10 the examples that I would put there, I think,
11 would probably be over-engineering of the trade
12 reporting requirements associated with
13 transactions that are not actually trades in the
14 general sense of the market. That would be one
15 example.

16 I think another example would be doing
17 things that would restrict the access to the -- by
18 market participants to these risk-reducing
19 services especially in the face of situations
20 where the regulatory capital requirements are very
21 punitive based on certain behaviors and these
22 compression services allow the market participants

1 to very transparently and safely reduce some of
2 those exposures. And it's not just a model-based
3 reduction.

4 It's not just a point in time let's look
5 at the match and see if it works and the math
6 might not work next time because the output of
7 these processes is that transactions actually are
8 extinguished and no longer exist. So I would see
9 some of the same risks that you mentioned in your
10 comments about kind of mathematical exercises that
11 could be different over time. But these are not
12 -- these compression services are not just
13 mathematical exercises.

14 They're not just model-based exercises
15 even if there's a model that somehow was used to
16 create the output, the output is trades are
17 extinguished and replaced with sometimes newer,
18 fewer trades with a similar risk exposure.

19 MR. STANLEY: John, if I can just add
20 another response --

21 MR. PLA: Please.

22 MR. STANLEY: -- to your question there.

1 Certainly one of the other challenges to continued
2 efficiency and compression is the new rules for
3 the bilateral margin. It was very good to hear
4 Commissioner Giancarlo's comments earlier on
5 supporting the idea that the compression of legacy
6 swaps would not be treated as new swaps for the
7 purpose of the new bilateral margin.

8 And it's also gratifying to hear that
9 the Commission had considered this in their
10 preamble that it would be open for discussion. I
11 would also add that the Canadian regulator OSFI
12 last year had actually put out final rules that
13 said that the new swaps that came from the
14 compression of grandfathered trades would not be
15 treated as swaps for the purpose of the new margin
16 rules.

17 So if I would bring in an example here
18 of this, interdependencies, co-dependencies in the
19 market that we see whether it's a buy side
20 participant, sell side participant, a CCP, this
21 connection between the participants, the FCMs, the
22 members of the clearinghouses, the CCPs themselves

1 and that potential contagion which ultimately
2 we're all trying to address systemic risk.

3 So what tools do we need as an industry
4 to be able to address the bilateral portfolios,
5 the cleared portfolios, the needs of the buy side,
6 the needs of the sell side? So I think the
7 uncleared margin's certainly a challenge.

8 MR. PLA: So, Claire, we may have
9 already covered some of question five in the
10 previous discussion but I think this relates to
11 information that related to compression services
12 being included in the SDR. Were those data
13 requirements from your perspective imposed burdens
14 that could, in any way, hamper/hinder the progress
15 of further compression in swaps?

16 MS. LOBO: Yeah, thank you. In the
17 question in the draft of the technical
18 specifications it's referenced in the question.
19 The question in the draft asked whether there
20 should be granularity with regard to the different
21 types of compression that should be included on
22 each trade that is compressed.

1 The comments that came back from ISDA
2 and others including ourselves is that it would be
3 an increased burden to be able to systemically
4 across everybody that touches compression today
5 label those trades appropriately. And I might
6 also point out that there would have to be a ramp
7 up if were to go towards something like that
8 because there is no field today that's commonly
9 used in the protocols that are out there.

10 FIX or FpML, that would be convenient to
11 use so there would have to be something that would
12 be added and that would have to happen across
13 pretty much every market participant in order to
14 properly report. Especially given that these
15 trade compression activities come from SEFs, they
16 come from bilateral instances, they come from
17 within clearinghouses. They come from pretty much
18 all over the place.

19 The other concern that was noted in the
20 letters, the comment letters, was a concern that
21 perhaps global regulation wouldn't be coordinated
22 and the definition of these different types of

1 compressions might overlap or conflict leaving
2 people that are stuck in a multijurisdictional
3 reporting regime to have to come up with multiple
4 identifiers for just one type of trade that might
5 be compressed in some certain way.

6 So those were some of the issues that
7 have been reported. I would -- I've had a
8 conversation subsequently with an ex-colleague of
9 mine and friend, Katrina Bell, and she did point
10 out that there had been a discussion with the FpML
11 working group some years ago about using the field
12 that exists today which is the bulk event ID and
13 creating some sort of a scheme inside of that
14 field that would be able to distinguish probably
15 between two main types of compression that
16 we're really grappling with here which is ones
17 that have a price-forming component and ones that
18 do not.

19 And to be able to distinguish in that
20 ID, that identifier, in some way that this trade
21 was price forming or it was not price forming.
22 And I think that that might be a low cost actually

1 implementable solution that could be a global
2 solution and it could get some traction.

3 MR. PLA: Thank you. Stephen?

4 MR. BERGER: Just want to chime in on
5 this kind of the reporting angle to this. And I
6 think there is a need to tailor the solution or
7 the requirement based on what type of compression
8 activity we're talking about.

9 So first of all, if you think about it
10 from a part reporting perspective, i.e. what data
11 is disseminated publicly, today the offset
12 packages that buy side firms enter into are part
13 of the information that's publicly disseminated
14 though they're not identified as such, right? And
15 so you can kind of back them out from the publicly
16 reported data because you see a bunch of backdated
17 swaps that all got executed at the same time and
18 there's like 50 line items with a bunch of strange
19 maturities and off-market rates like all happen at
20 the same time.

21 So you can kind of back them out but it
22 would be much more efficient if in the real-time

1 public reporting of those offset or unwind
2 packages there was a package flag. And I think
3 that's something that is already being considered
4 based on the most recent consultation about
5 improvements to the data reporting.

6 I view that bucket of offset unwind
7 packages separately from some of the other
8 activities that are being discussed. So if a buy
9 side participant has a portfolio of completely
10 offsetting swaps that they take to the CCP and
11 says extinguish these because I have these 10 that
12 offset perfectly these 10, I don't see that as
13 something that needs to be publicly reported in
14 part 43. Obviously there will be an update that
15 goes to the SDR that references the fact that
16 those positions are no longer on the books.

17 Similarly if a buy side participant goes
18 straight to a CCP and uses a coupon blending
19 mechanism at the CCP, again, I don't think that's
20 a publicly reportable event but obviously one
21 where the records at the CCP and the SDR will be
22 updated. And then, for the kind of inter-dealer

1 multilateral compression exercises, again, I don't
2 see those as publicly reportable events though the
3 results of those would obviously be reflected in
4 the updated registry at the CCP and by extension
5 at the SDR.

6 So I think there's a distinction that
7 can be made in terms of what reporting
8 requirements need to be applicable to what types
9 of portfolio compression exercises.

10 MR. PLA: Kim?

11 MS. TAYLOR: I think I would just add a
12 general comment to the issue of the reporting
13 requirements. The TR and SDR regime, it is very
14 clear that regulatory objective is a very worthy
15 regulatory objective.

16 Both ends, the real-time reporting and
17 then, also the ability to have the warehouse of
18 all the data that you will need to validate
19 someone's exposure in times of crisis, that's what
20 the TR/SDR element is supposed to be about. I
21 think what has happened is that there's kind of a
22 failure to apply the 80/20 rule.

1 And so in trying to pursue perfection in
2 the type of data that is obtained and the way that
3 it's obtained and the way that it's held in those
4 TRs and SDRs, I think what has been at risk is
5 that the data that you'll get, and I think we
6 clearly are still as an industry having a struggle
7 having the data that's in the TRs and SDRs be
8 correct, kind of fully correct. Because it is
9 very complex, very specific, very different across
10 jurisdictions and I think what I fear will end up
11 happening is that before we get it figured out and
12 get it cleaned up, you'll have a need for the data
13 and you will have data that you may think is
14 incorrect that is not actually representative of
15 the actual positions that the people have.

16 So I think I would suggest that in any
17 of the work with respect to the TR and SDR in the
18 reporting, to consider erring on the side of
19 under-engineering versus over-engineering the
20 exact specificity of every tiny little feature of
21 every trade that happens in the marketplace with
22 the goal of actually knowing the exposure that

1 you're facing when you're trying to manage it.

2 MR. PLA: Dan?

3 MR. BUCSA: So just to simplify the
4 question and to build on what Stephen was saying
5 for the 45 reporting, not the public tape
6 reporting, would LCH CME TriOptima market agree
7 that the new swaps that are created, if there are
8 any as part of whichever exercise is conducted, or
9 the termination of the swaps that were compressed
10 would be reported to the part 45 means for the SDR
11 and for staff to know?

12 MS. TAYLOR: I would assume those trades
13 would be reported but I think what I'm suggesting
14 is that we not report with 17 different possible
15 fields about how they were extinguished or how
16 they were put on and just that it's -- keep it
17 simpler and it's extinguished from a compression
18 activity or it's a new trade resulting from a
19 compression activity without 27 subfields that
20 will be harder for people to comply in a way that
21 will be useful to you.

22 MR. PLA: I think in the interest of

1 time, let's park that and maybe we can come back
2 to it in the lightning round at the end.

3 Dennis, question six we've probably
4 covered in some of the previous discussions but
5 from your perspective, to what degree does
6 portfolio compression either add or remove risk
7 from the market?

8 MR. MCLAUGHLIN: Thank you. Well, we've
9 heard that there are few kinds of portfolio
10 compression. There's notional reduction which is
11 clearly good. There is counterparty exposure
12 reduction which is clearly good. And then, the
13 third part was this IM reduction which is also
14 clearly good.

15 So in none of those components is the
16 risk going up. It's coming down in a controlled
17 way. The other thing we heard about was the fact
18 that compression is a very, very big activity.
19 Somehow it's grown quite a lot and what's happened
20 is the market is being controlled in terms instead
21 of letting this growth get out of control, it's --
22 the garden has been weeded, so to speak. So there

1 are now less line items and it becomes easier to
2 manage a default because you have physically
3 trades to move from one -- from a default in the
4 CCP.

5 And you also can manage porting easier
6 because obviously less clients, sorry, less
7 capacity would be tune up in the actual reporting
8 process. So I think it's a good thing.

9 The only thing you have to be careful of
10 is that the operational component of all this is
11 carefully controlled. So in other words, you're
12 not caught in a limbo-like state of trades which
13 should have been canceled, weren't quite canceled
14 before the new trades were put on. But as long as
15 that's taken care of I think it's a risk-reducing
16 activity.

17 MR. PLA: I think in the interest of
18 time and to stay within our time budget we'll do
19 the last question as a lightning round. So if
20 it's okay, I'll pose it to each panelist and
21 they've have 60 seconds or less to add a final
22 comment.

1 And the final question is in light of
2 the discussion we've just had, are there any
3 recommendations you can make to the Commission on
4 actions they should take or they should refrain
5 from taking regarding portfolio compression? And
6 why don't we just go straight in a row starting
7 with Dennis?

8 MR. MCLAUGHLIN: Well, I think that
9 compression should be encourage at all costs
10 because otherwise without it you just get a market
11 which is growing and growing and growing and never
12 really declining. So it should be encouraged,
13 probably not mandated because it's up to
14 individuals in the marketplace what they want to
15 do. But certainly encouraged and not discouraged.

16 MR. PLA: Kim?

17 MS. TAYLOR: I sense there's going to be
18 duplication in the lightning round. Given that
19 the capital requirements are setup to really
20 penalize the growth of exposure and given that
21 there are systemic benefits to the reduction of
22 line items and counterparty exposures, I think the

1 Commission should certainly not discourage
2 compression and actually should act to encourage
3 the broader use of these compression activities
4 that really do extinguish trades and reduce
5 exposures.

6 MR. PLA: Thank you. Michael?

7 MR. MODLOCK: I would say reiterate the
8 relief for the partially terminated swaps and
9 replacement swaps for the purpose of bilateral
10 margin.

11 MS. LOBO: I would add that I think
12 innovation needs to be cared for with regard to
13 compression much like the discussion that's going
14 on in the block chain world. There are a lot of
15 new kinds of compression that are being thought
16 about and some that are coming to market and I
17 believe that that's a good thing.

18 I don't see that compression or netting
19 really adds risk to the market. It does take it
20 out as Kim has eloquently pointed out. And I
21 would also add that with the issue of trying to
22 identify the price-forming trades that maybe

1 they're in the context of compaction that a
2 thoughtful, and if I can say, low-budget solution
3 is found so that it doesn't raise the bar in terms
4 of meeting 43 or 45 reporting.

5 MR. PLA: Lucio?

6 MR. BIASE: I think you may already be
7 doing some of what Claire is suggesting. I mean,
8 we're a young firm and you've put us with some of
9 these stalwarts. We've been focusing currently on
10 reducing systemic risk. So I commend the
11 Commission for not letting regulation itself
12 stymie the goals of regulation and the safety and
13 soundness.

14 More specifically and maybe to echo some
15 points made by my colleagues here, is that this is
16 really not a price discovery issue. It can be
17 done in a controlled environment with total
18 transparency to the regulators and it's not trade
19 execution but a post-trade process that helps
20 clean up whether it's gross notional or
21 counterparty exposure. Thanks.

22 MR. PLA: Susan?

1 MS. O'FLYNN: Hi. I just wanted to kind
2 of raise a point that I don't think's really been
3 touched on today. You know Morgan Stanley is very
4 supportive of portfolio compression and we are
5 active users of a number of the third-party
6 providers here both and including the
7 clearinghouses. I think what needs to be
8 recognized is the efficiency that exists in both
9 CDS and IRS rent, netting and portfolio
10 compression. And it kind of links back to
11 Commissioner Giancarlo's original point around
12 liquidity in some of these markets.

13 Now obviously these businesses now have
14 to carry additional capital which is driving the
15 need for these compression services. However, and
16 it kind of links back to some of the points made
17 in relation to bespoke trades that compression
18 does not compress the entire notional of certain
19 trades especially when they tend to be less
20 standardized so that there is, and back to, I
21 think, to addressing some of Marcus' points,
22 institutions like dealers will have to carry more

1 capital for trades which are more of a spoke.

2 That is just a fact. Now these
3 portfolio compression services offer us some
4 ability to create capital efficiency. To be able
5 to recycle that efficiency back you need to offer
6 business to our clients but I just want to make
7 clear that these compression services work well.
8 But when there's a degree of bespoke nature about
9 certain trades, it's not 100 percent success rate.
10 So I just wanted to leave everyone with that
11 particular here because I think it's kind of been
12 missed.

13 MR. PLA: One more comment in the
14 lightning round. Anat?

15 MS. ADMATI: Well, I just want to echo
16 --

17 MR. PLA: Sorry, two more.

18 MS. ADMATI: I want to echo what Susan
19 just said that let's not forget there are new
20 terms here, compression and it's all great because
21 it compresses risk and we like that. And to the
22 extent that it does and that you have to look at

1 the whole portfolio to understand what a thing
2 does, we definitely want that.

3 So this notion of splitting up
4 everything two million pieces and looking at them
5 separately doesn't make any sense in finance. But
6 let's remember the other term that we became kind
7 of we paid the price for which is called
8 regulatory arbitrage which sometimes did add risk
9 or did not eliminate or things that were thought
10 to eliminate risk weren't doing this fully.

11 So I just warn that we don't rush into
12 just saying anything that has a label of
13 compression or whatever is definitely eliminates
14 risks and it's gone and all of that because
15 sometimes that's not true.

16 MR. PLA: Marcus?

17 MR. STANLEY: Just adding to what Anat
18 said, she said most of what I wanted to say but I
19 actually think this is complex because there's
20 something here that you definitely want to
21 preserve in terms of the ability to compress a
22 multilateral portfolio that can't be done unless a

1 group of people get together to do it. But as the
2 same time you don't want sort of open the door
3 wide to an unlimited ability to rejigger your
4 portfolio outside of the CFTC ruleset as long as
5 you're reducing any regulatory exposure metric
6 even if it's highly modal and assumption based.

7 So where you're going to strike that, I
8 think, is not a simple question.

9 MR. PLA: Chairman Massad?

10 CHAIRMAN MASSAD: Well, it's a very,
11 very good discussion, very helpful. And I think
12 on these last points in particular the lightning
13 round was helpful. I might have, if we had time,
14 would want to maybe get into the more -- the
15 granularity of how exactly should we encourage or
16 discourage and which types of compression.

17 Stepping back from that, we've got a
18 rule right now that says swap dealers should have
19 policies to periodically engage in compression.
20 And for that purpose, we've defined it very, very
21 broadly and we haven't said how often. We haven't
22 said what types. We've just -- and I think that's

1 appropriate -- we've left it very flexible and
2 broad.

3 When it gets in, though, to exemptions
4 from other requirements, I think that's where we
5 do have to get more specific. And we have.
6 Reference was made to the relief on clearing.

7 You know, in that case we said it had to
8 be reduction in notional amount. It had to be
9 market-risk flat. It had to be same maturity.

10 So I think it's -- this is a discussion
11 we should have going forward. We should think
12 about these different types. We should think
13 about how it relates to requirements on trading,
14 on clearing, on margin. But for example, on
15 clearing, it kind of ends up being a question on
16 legacy swaps, right? I mean, and once we're out
17 of the legacy world, our clearing requirement
18 won't matter to whether you engage in compression
19 or not, I think.

20 To state it differently, had we said for
21 our clearing mandate not only must you clear new
22 swaps, you must put all the old swaps into

1 clearing, you would not have needed an exemption
2 from relief for us to do compression. So I'm just
3 saying that I think we have to consider what we
4 do. As we consider what we do, we have to really
5 get into the particulars of this.

6 And we also, of course, when it comes to
7 something like margin, have to also pay attention
8 to another goal that many of you are very fond of
9 which is regulatory harmonization because we have
10 to work with the Fed and the bank regulators. So
11 it was a very useful discussion. I look forward
12 to continuing to engage on it.

13 MR. PLA: Petal, back to you.

14 MS. WALKER: Okay. At this time in
15 keeping with the meeting agenda, I would like to
16 thank Ed Pla for facilitating the discussion
17 during our second panel. Commissioner Bowen will
18 now make closing remarks.

19 COMMISSIONER BOWEN: Great discussion,
20 again, everyone and I was going to do a few
21 takeaways. So I think on the last topic, the
22 lightning round, was pretty comprehensive although

1 the one takeaway would be not all compression is
2 created equal. That's my one takeaway on that.

3 I want to thank the Chairman and
4 Commissioner Giancarlo for being here. I want to
5 thank the members of MRAC, especially our
6 facilitators, John and Ed, and our key speakers
7 today.

8 Generally, I think the takeaway is that
9 our markets are functioning pretty well but not as
10 well as they could be for some of our small end
11 users. We heard today that SEFs are really not
12 used much or at all in the agriculture and energy
13 spaces but that they place a significant role in
14 the rates and credit markets.

15 And I think one of my biggest takeaways
16 is that we need to continue to balance our
17 regulatory mandate but to do so in a way that
18 promotes efficient and innovative markets without
19 undue burdens and cost.

20 And with that last thought, I want to
21 thank you all again for attending today.

22 MS. WALKER: The meeting is now closed.

1 (Whereupon, at 1:28 p.m., the
2 PROCEEDINGS were adjourned.)

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