

UNITED STATES OF AMERICA
COMMODITY FUTURES TRADING COMMISSION

MARKET RISK ADVISORY COMMITTEE MEETING

Washington, D.C.
Thursday, April 2, 2015

1 PARTICIPANTS:

2 Panel 1: Default Management at CCPs:

3 Moderator:

4 THOMAS KLOET
5 Elmhurst College

6 Key Speakers:

7 SUNIL CUTINHO
8 CME Group

9 DENNIS McLAUGHLIN
10 LCH.Clearnet

11 IAN SPRINGLE
12 ICE Clear Credit

13 SCOTT L. FLOOD
14 Citi's Institutional Client Group

15 SUSAN McLAUGHLIN
16 Federal Reserve Bank of New York

17 EMILY PORTNEY
18 JP Morgan

19 MICHAEL MODLOCK
20 TriOptima

21

22 Panel 2: Market's Response to the Introduction of
SEFs:

23

24 Moderator:

25

26 ANDREW LO MIT
27 Lab for Financial Engineering

28

1 PARTICIPANTS (CONT'D):

2 Key Speakers:

3 DARCY BRADBURY
D.E. Shaw Group4 RANA CHAMMAA
5 UBS Investment Bank6 MICHAEL O'BRIEN
Eaton Vance Management

7 Other Participants:

8 ANAT ADMATI
9 Better Markets10 ROBERT ANDERSON
Committee of Chief Risk Officers11 STEPHEN BERGER
12 Citadel13 DAVID BURLAGE
CoBank14 KARA DUTTA
15 ICE Clear Credit16 DOUGLAS FRIEDMAN
Tradeweb17 ANDREW GRAY
18 DTCC19 BILL HALE
Cargill20 MICHAEL HENNESSY
21 Federal Home Loan Banks

22

1 PARTICIPANTS (CONT'D):

2 NATHAN JENNER
3 Bloomberg SEF LLC

4 JERRY JESKE
5 Commodity Markets Council

6 SEBASTIAAN KOELING
7 Futures Industry Association, Principal
8 Traders Group

9 ADA LEE
10 LCH.Clearnet

11 CLIFFORD M. LEWIS
12 Eurex Clearing

13 GLEN MACKEY
14 NRG Energy

15 RICHARD MILLER
16 Prudential Global Funding

17 SUSAN MILLIGAN
18 LCH.Clearnet

19 JOHN NIXON
20 Americas for ICAP

21 SUSAN O'FLYNN
22 Morgan Stanley

 ANGELA PATEL
 Putnam Investments

 EDWARD PLA
 Futures Industry Association

 MICHAEL PROKOP
 Deloitte

1 PARTICIPANTS (CONT'D):

2 MARCUS STANLEY
Americans for Financial Reform

3 KRISTEN WALTERS
4 BlackRock

5 RANA YARED
Goldman

6 LUKE ZUBROD
7 Chatham Financial

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

2 (10:10 a.m.)

3 MS. BOWEN: Good morning, everyone, and
4 welcome to the inaugural meeting of the Market
5 Risk Advisory Committee of which I serve as
6 sponsor. I'm pleased to be joined here today by
7 Chairman Massad and our fellow commissioners, Mark
8 Wetjen and Chris Giancarlo.

9 Before discussing today's meeting, I
10 will turn the podium over to the chairman and the
11 other commissioners to see if they have comments
12 for us.

13 Thank you, Sharon. Let me first just welcome all
14 of you, both the members of the committee as well
15 as the members of the public who are here. I want
16 to thank all the members of the committee for
17 agreeing to serve. It's very, very helpful to us.

18 And I want to thank Commissioner Bowen for her
19 work in putting this together, not just obviously
20 this meeting, but this committee. This is a new
21 committee for us, a very important committee, and
22 she's done a terrific job over a very short period

1 of time in putting together I think a great
2 collection of people and a great agenda for today.

3 I want to thank her staff who I know has worked
4 very, very hard on this effort, as well as the
5 rest of our staff in putting this together.

6 These advisory committees are very
7 important. Our style here is that each of us as a
8 commissioner is the sponsor of one of the
9 committees, and they are a very important way for
10 us to get input. And by input I mean not simply
11 comments that people make. We get comment letters
12 obviously on all of our pending rules and so
13 forth. But the advantage of meetings like this is
14 that there can be a discussion, there can be an
15 exchange of ideas, and that's very, very valuable
16 to us. We all and our staffs go back and look at
17 the transcripts from these meetings also as we
18 think about issues.

19 And the issues today that we're talking
20 about are obviously extremely important. CCP
21 resilience, stability, what happens in a default,
22 are issues that have received a lot of attention

1 lately. We had a roundtable as many of you know.
2 Some of you participated in CCP recovery issues,
3 kind of a different set of that broader range of
4 issues concerning CCPs than the specific issues
5 we're going to talk about today. But this is
6 obviously going to be a set of issues that will
7 and should receive a lot of attention going
8 forward. And the second panel on SEFs and how the
9 market is reacting to SEFs is equally important.

10 So, again, I just want to thank all of
11 you, thank Sharon, and I look forward to today's
12 discussion. And with that, I'll turn things over
13 to Commissioner Wetjen.

14 MR. WETJEN: Thank you, Mr. Chairman,
15 and thank you, Commissioner Bowen, for convening
16 the meeting. When I started at the CFTC about
17 three and a half years ago and some of my initial
18 meetings were over those first several months,
19 people kept raising this idea of perhaps there
20 being a need for an advisory committee that
21 focused on risk and at the time we did not have
22 one. A number of people came through and observed

1 that that was something that was missing if we're
2 going to get a full picture from the industry
3 through these advisory committees, making sure
4 that we're informed on any number of different
5 things going on in the marketplace.

6 So we authorized this particular
7 committee -- I guess it was about a year or so ago
8 -- and finally we actually have the very first
9 meeting. So it's great that we are here today and
10 that Sharon is sponsoring this committee and
11 leading it now in an able way. I'm really looking
12 forward to the topics under discussion today and
13 hearing the viewpoints of the members on these
14 important issues. As the chairman said, CCP risk
15 has been getting a lot of attention, and we're
16 taking a look at a subset of issues here today
17 related to that. And then, of course, trade
18 execution, which is still very, very novel and new
19 to the marketplace. And our rules are relatively
20 new, so it will be good to have the input we're
21 going to get today and see if there might be some
22 other initiatives we might undertake as a

1 Commission to make sure that's the kind of
2 marketplace that we and the Congress envision.

3 So thanks again, Sharon. I'm really
4 looking forward to the discussion. Thank you.

5 MR. GIANCARLO: I'll be brief. Thanks,
6 Mark, and my compliments to you for
7 conceptualizing the MRAC a few years ago and to
8 Sharon for taking it on with such gusto and such
9 verve. Today is going to be a terrific day.

10 The MRAC is certainly a committee and an
11 area of inquiry whose time has surely come,
12 whether it be looking at issues of systemic risk
13 or cyber risk or CCP risk or clearing risk or,
14 most importantly, liquidity risk, any number of
15 those areas of risk. So I'm looking forward to
16 not only today's program, but the program of this
17 committee in the months and the years to come.
18 I'm sure it's going to be a very important venue
19 for a lot of good discussion between the regulator
20 and the regulated as we examine these issues and
21 make sure our markets are as risk-resistant as
22 they possibly can be. So thank you very much.

1 MS. BOWEN: Thank you for your remarks.
2 It really has been a privilege for me to be a
3 commissioner, and it's been great working with
4 each of you these last 10 months. So thank you so
5 much again. I want to thank the members of the
6 MRAC for bringing their passion, their expertise,
7 and their intellect to these important issues.

8 I want to especially thank today our two
9 moderators: Tom Kloet is Trustee at Elmhurst
10 College and Andrew Lo is the MIT Sloane Professor
11 of Finance. Both are well regarded and bring a
12 wealth of knowledge to us and to our committee.

13 I want to thank my staff, particularly
14 Petal Walker, who's our designated federal officer
15 for the committee.

16 I, too, would also like to thank the
17 staffs of the Division of Market Oversight, the
18 Division of Clearing and Risk, and the Division of
19 Swap Dealer and Intermediary Oversight.

20 And to those of you who helped set this
21 up today, Margie, my executive assistant,
22 Vontrice, and Tony and others, thank you. You

1 make this look seamless.

2 The purpose of MRAC is to provide the
3 Commission with market intelligence and
4 recommendations from industry and other
5 stakeholders about the market risk and market
6 structure issues that we face. Because MRAC is a
7 newly formed committee and given the breadth of
8 our mission, I felt it was especially important to
9 seek input from the public, so we asked for
10 nominees for our membership and we asked that
11 people give us issues or topics that we should
12 think about.

13 It was equally important for me that
14 MRAC represent a diversity of viewpoints and that
15 the potential members would have an equal
16 opportunity to have a seat at the table. The
17 importance and recommendations of this committee
18 will be invaluable. We will help the Commission
19 in our efforts to identify, analyze, and mitigate
20 market risk. As we all know, the markets that we
21 regulate are constantly changing and this
22 committee's members can play a critical role in

1 helping the Commission understand these changes
2 and their implications for market risk. Through
3 the work of this committee, we hope to gain not
4 only a better understanding of the range of
5 systemic risks and the implications of our
6 ever-changing market, but also to get the best
7 thinking about how the Commission should respond
8 to them.

9 This is a very impressive group before
10 us today with decades of experience and diverse
11 viewpoints. Pursuant to our charter, our members
12 include end users, exchanges, clearinghouses,
13 market makers, intermediaries, academics, and a
14 regulator. Represented here are entities are from
15 different corners of the market ranging from
16 Prudential, Cargill, Federal Home Loan Banks, JP
17 Morgan, Bloomberg, as well as the Federal Reserve
18 Bank of New York, advocates of financial reform,
19 and noted academics. I'm very excited about this
20 committee.

21 During the comment period, market
22 participants raised a variety of market risk and

1 structure issues for us to address, including CPC
2 risk management practices such as default
3 management, recovery and resolution, and margin
4 valuation, cybersecurity, unregulated service
5 providers and FCM concentration. So there's a lot
6 for this committee to consider.

7 Today, though, we turn to two important
8 topics, one pertaining to market risk and the
9 other pertaining to market structure. Though it's
10 unlikely that a significant clearing member would
11 default, it behooves us to do everything in our
12 power to best prepare for it given the
13 implications it would have to our economy. The
14 importance of effective, robust risk management of
15 CCPs cannot be overstated. The big question that
16 we are trying to answer today is whether the
17 default drills and other default preparations of
18 CCPs are sufficient as they are currently
19 constructed and whether they actually reflect our
20 best thinking in terms of what the world will look
21 like if there were to be a default. So along
22 those lines I'm looking forward to a good

1 discussion, hopefully, whether or not we should
2 think about CCPs coordinating or standardizing
3 their practices to better prepare for a default.

4 The second panel, dealing with market
5 structure, asks the question as to whether SEFs
6 have changed the fundamental swaps market,
7 including the effect of the practice of name
8 give-up. A central goal of Title VII was to bring
9 the once opaque swaps markets into the light. The
10 creation of SEFs was an important part of that
11 effort and mission. Now that the SEF rules have
12 been in effect for well over a year, we want to
13 hear from the market participants about what
14 effect, if any, it has had on the markets and how
15 the Commission should be thinking about and
16 possibly addressing the issue of name give-up.

17 In order to engage in a hopefully
18 fruitful discussion today, for each panel we have
19 divided our 31 member committee into an inner
20 circle and an outer circle. Basically the inner
21 circle will be leading most of today's discussion,
22 and then after the break we will be switching to

1 our second panel within a circle. We also have
2 today members of the Commission staff on hand to
3 answer any questions that may arise in terms of
4 regulatory issues. And with that, I turn it over
5 to Tom.

6 MS. WALKER: The meeting is now
7 officially open.

8 MR. KLOET: Thank you for that important
9 announcement, though. First off, my name is Tom
10 Kloet and as Commissioner Bowen mentioned I am a
11 trustee at Elmhurst College. In the interest of
12 full disclosure, I'm also a nonexecutive director
13 at NASDAQ Oil Mex, so any of my comments today
14 aren't NASDAQ related, but they will be --

15 MR. CUTINHO: Tom, I don't think we can
16 hear you.

17 MR. KLOET: Is that better? So my
18 comments really are -- I'm a representative here
19 of Elmhurst College.

20 First I'd like to thank Commissioner
21 Bowen and the chairman and your colleagues for
22 putting the MRAC together. The CFTC has a history

1 of being an outstanding regulator, setting a
2 standard for excellence in my view and having a
3 committee like this continues to set a great
4 standard. You're to be applauded for having the
5 vision to put this together and frankly attracting
6 an outstanding group of colleagues of mine here in
7 the MRAC. So I really look forward to a great
8 discussion. And to the chairman's point, it
9 strikes me that it's great to be able to have
10 discussions like this and have an interactive
11 discussion as we go through these issues.

12 To that point let me briefly just talk
13 about the agenda. We'll start with some
14 presentations from three different clearing
15 organizations. Then we'll get into some macro
16 questions on default scenario, working our way
17 toward some more micro questions, and complete
18 this section of the panel by around 12:10 or 12:15
19 or so I think is the plan.

20 So with that, just a couple of
21 logistical announcements for how this is going to
22 work. When you want to speak, please press the

1 button in front of you on the microphone. Unlike
2 me, get your microphone close to you so that you
3 can be heard. The roundtable is being Webcast and
4 it's also being Audiocast. So the folks calling
5 in will be able to hear if you have your
6 microphone on and you speak into it. Although we
7 can hear each other in the room, it's important
8 that we allow the people on the Audiocast and the
9 Webcast to hear. On the other hand, please turn
10 your microphone off when you stop speaking as we
11 can only hear a limited number of microphones at
12 one time, so we don't want you to use bandwidth if
13 you're not speaking. If you'd like to be
14 recognized, what I recommend is -- and I'll try to
15 demonstrate that -- just move your name banner up
16 like that. If I don't see that, then show your
17 hand or something like that and I'll try to call
18 on you.

19 So with that what I would like to do is
20 turn it over to Sunil from CME to make a
21 presentation on behalf of CME.

22 MR. CUTINHO: I thought ICE --

1 MR. KLOET: Oh, I'm sorry. We'll start
2 with Ian Springle of ICE.

3 MR. SPRINGLE: Thank you, Mr. Chairman,
4 commissioners, for the opportunity to speak here
5 today. My name is Ian Springle and I work for ICE
6 Clear Credit, so I'm here to represent ICE Clear
7 Credit. I was part of the --

8 MR. KLOET: Ian, I think you're like I
9 did --

10 MR. SPRINGLE: Okay, sorry. So I was
11 just saying. My name's Ian Springle. I work for
12 ICE Clear Credit. I've been with ICE Clear Credit
13 since 2008 when we were launching the
14 clearinghouse, and I've had various roles,
15 including head of product development and chief
16 product officer. I've been responsible for the
17 design and the execution of the testing of the
18 default management drills, so I've done about five
19 ICE Clear Credit default drills and participated
20 also in a couple of ICE Clear Europe default
21 drills to date and counting.

22 I'm turning to slide #2 of the

1 presentation. We've chosen in answering the
2 question today of what are CCPs doing in
3 preparation for a default of a major clearing
4 participant in the broadest sense to start. I'm
5 sure we'll get down into some details, but it's
6 worth looking at the bigger picture initially I
7 think. There are four areas really that we are
8 preparing for a default in, going across the page
9 from left to right.

10 So the first one where we concentrate
11 typically a lot of the conversations is what are
12 our financial resources? So obviously we have to
13 maintain sufficient resources so that in case of a
14 default we can absorb the losses of the default
15 portfolio and also liquidate the default
16 portfolio. So that's where a lot of the focus of
17 our risk management framework lies.

18 Also more and more we're focused on
19 liquidity, so part of our preparations are making
20 sure that we have sufficient liquid resources to
21 meet our daily cash payouts required during a
22 default, and particularly we're focused on that

1 first day of default. So just to put that in
2 context, if a CP is to default to the
3 clearinghouse because of a failure to pay, they
4 would miss their payments at 9:00 in the morning
5 New York time. We as a clearinghouse then would
6 have 1 hour, until 10:00, to pay our euro
7 obligations on behalf of that defaulted portfolio;
8 and then a further couple of hours, until 12:00,
9 to pay our USD obligations. So we really have to
10 have enough liquid assets available so that we can
11 meet that first day of default obligation and
12 that's part of what we look to test in our drills.

13 So the second area in which we're
14 preparing is really around our processes and
15 tools. So the first one of these is what we're
16 focused on probably a lot of the time today, our
17 default management plan. This describes how we as
18 an organization will work together to address the
19 defaults and also how we'll work with our clearing
20 participants, with our regulators, with our
21 vendors. So there are a lot of moving parts
22 involved and there's a balance to this plan in my

1 mind. On one hand you want the plan to be as
2 prescriptive as possible so that it's fully
3 transparent. Everyone knows exactly what to
4 expect, how we'll use the funds, how decisions
5 will be made. On the other hand, you also want to
6 have flexibility so that the clearinghouse is able
7 to respond to the facts and circumstances of any
8 particular default that may be unique in nature.
9 So you don't want to be hampered by very specific
10 rules. You need some flexibility to make some
11 judgment calls. I think that's the art and
12 science of developing the plan.

13 The second part of the processes and
14 tools obviously is the tools. So there are two
15 major components of managing a default, as I'm
16 sure most of us are aware. The first one we
17 basically when there's a default we hedge a
18 portfolio or have the option of hedging. We need
19 to do this very quickly and then execute the
20 hedging trades. There likely won't be so many
21 hedging trades, but the piece here is to respond
22 very, very quickly.

1 The second element we need tools for is
2 for the auctions. So this is just really an
3 operational, logistical, issue to face. If you
4 think about what the scale of this task is, we can
5 have multiple auctions. Each auction can have
6 multiple subportfolios. For each subportfolio, we
7 have to collect separate bids from, in our case,
8 30 or so CPs. So you're talking about many
9 hundreds of pieces of communication, collecting
10 bids in, making sure that you receive and process
11 them correctly, and then communicating the results
12 out to all the CPs. So really, in terms of the
13 toolset, we try and develop -- you need automation
14 to do this and that's what we've been focused on
15 really, providing automated tools to reduce the
16 operational risk of this practical issue of
17 running the auctions.

18 Another element that we have to consider
19 internally is we have default waterfalls and
20 liquidity waterfalls, so we have a certain set of
21 rules around how we can use our different
22 resources and in what order. And we need internal

1 tools to track how we're consuming our default
2 resources and making sure that we're following
3 those rules. And when you consider things like
4 juniorization of guaranty funds, which are
5 dependent upon how people bid in the auction, it's
6 kind of a dynamic process that you have to follow
7 to make sure that you're using your resources
8 appropriately.

9 MR. KLOET: Ian, can you move your mic
10 closer to you. I'm not sure everybody can hear.
11 There's people in the back and the audio people
12 won't be able to hear.

13 MR. SPRINGLE: So as part of developing
14 these tools it's also important that we develop
15 standards for information exchange. So that's
16 another area that we've been focused on, and we're
17 focused on in our testing. We develop standard
18 file formats so that we can provide our CPs in a
19 standard way with the portfolios that they've got
20 to price. We agree on standard bid formats for
21 collecting bids on those portfolios, and we
22 establish standard formats for providing the

1 awards back to our CPs. So from a CP's
2 perspective, you can imagine they may be dealing
3 with several clearinghouses at once trying to
4 price portfolios not just from ICE Clear Credit,
5 but other clearinghouses of a multiple-asset type.
6 So it's an onerous task for them, and we try to
7 make that as easy as we can and as standard as we
8 can.

9 Finally, I just wanted to mention
10 another way that we're preparing for default
11 really is in exploring additional elements of the
12 actual default management plan itself. We try to
13 innovate and include the latest thinking. There
14 are a number of enhancements that we're currently
15 contemplating that will improve, especially around
16 resolution and recovery, and also providing the
17 buy-side opportunity to bid directly in our
18 auctions.

19 So the third component in our
20 preparations really is our management information
21 systems. Here it's important obviously that we
22 provide the information that everybody needs to

1 make the decisions around risk and the auction
2 splitting in a timely fashion. So we have systems
3 internally to provide the risk pricing, all the
4 basic information from the clearinghouse, in a
5 timely manner in real-time views through our
6 systems and also through our end-of-day reports.

7 But there are also some practical
8 matters to consider just in terms of the contact
9 information. There are literally hundreds of
10 people within various organizations that we have
11 to make sure receive the information around the
12 auction execution, and we have to maintain that
13 ongoing throughout the year, not just in the
14 default management tests.

15 And, finally, around the hedging, in
16 order that we can respond in the timeliest fashion
17 to put on these hedges or consider the hedging of
18 the portfolios, we actually compute our first
19 order hedges every day automatically, which
20 provides some transparency to how we're
21 calculating the hedges as well as a timely
22 execution.

1 The fourth component really then is
2 around the testing itself. The first point here
3 is we have an industry test that we hold every
4 year, which includes all of the stakeholders that
5 we've mentioned already. We really run through
6 the end-to-end process as much as possible. I'll
7 speak about that a bit more in a second. But we
8 also have internal ad hoc tests throughout the
9 year. For example, the Treasury Department has to
10 test its liquidity facilities that it might have
11 or test its credit facilities that it might have.
12 And also I would include in our preparations as
13 stress testing and back testing for our funding
14 and also for our liquidity. So we focus on that
15 throughout the year as well.

16 So that gives a broad view of how we're
17 preparing. I just wanted to touch on a couple of
18 points that I made here in a bit more detail.

19 The next slide -- I'm on slide #3 for
20 those who aren't in the room. So if you look on
21 the right-hand side of this slide, it's worth just
22 setting in context our default waterfall, which is

1 similar to a lot of the CCPs that we have around
2 the table. So we have a funded and unfunded
3 component.

4 In the funded component we have initial
5 margin that we collect from our CPs -- this is the
6 first element that we can use in a default -- and
7 then we have the guaranty fund of our defaulted
8 CP. So we use the defaulted funds first. We then
9 have two elements of ICE skin in the game. The
10 first one is the \$25 million ICE priority
11 contribution, which we use before the
12 nondefaulters' funding, guaranty fund. We also
13 have a pro rata \$25 million contribution, which we
14 use prorated during the consumption of the
15 nondefaulters' guaranty fund.

16 We also have an unfunded component where
17 we can call if we run out of funded funds for one
18 times the guaranty fund contribution prior to the
19 default for additional funds. Importantly also in
20 terms of liquidity, the idea for our liquidity
21 tier -- I won't go through the detail here -- is
22 really that we have enough funds on hand in a

1 liquid format or cash format to cover our expected
2 or maximum day 1 obligations of the default, and
3 then enough in assets that we can liquidate within
4 one day to cover the subsequent days' obligations.

5 We also have a concept of a liquidity
6 waterfall where we can use the cash component of
7 tiers of the default waterfall that are later on.
8 So, for example, we can use the cash of the
9 nondefaulters' guaranty fund so long as we pledge
10 the noncash collateral from the defaulter's
11 portfolio. So it's an opportunity for us to make
12 sure we have the most liquid resources that we
13 can. So that's how the two waterfalls work.

14 If you look now on page 4, ICE has
15 developed a unique model for CDS clearing, which
16 is really beyond the scope of this discussion, but
17 I just wanted to point out a couple of items to
18 put the resources in context. First of all, in
19 our initial margin model one of the main
20 components is the spread response requirement, and
21 this is based on a five-day, 99 percent, quantile
22 level. And secondarily, in terms of our guaranty

1 fund, it's designed to provide funds for a cover 2
2 protection looking at the largest uncollateralized
3 losses under extreme, but plausible conditions,
4 and also at three simultaneous defaulting
5 reference entities. So the net effect on the
6 right of the page is really that we have
7 substantial levels of funded resources based on
8 the cover 2 requirements.

9 So at the end of the year it was \$17
10 billion in initial margin, a guaranty fund of \$2
11 billion, and then the ICE contribution of \$50
12 million. In addition to this, we also have
13 significant unfunded resources, which cover beyond
14 the cover 2 scenario. So any depletion of our
15 funds is likely to involve several more than two
16 defaulting CPs at the same time, which is really
17 in history kind of an unprecedented event. So it
18 just sets the event that we're dealing with in
19 some context.

20 MR. WETJEN: Ian, on the bullet point
21 there, what exactly do you mean when you say "the
22 default of three or several of the world's largest

1 institutions in addition to the cover 2?" What
2 does that mean? Are you talking -- are you
3 suggesting that you're meeting a standard that's
4 like cover 5 or something? What exactly does that
5 mean?

6 MR. SPRINGLE: Yes, the funded
7 contribution is based on the cover 2 requirement,
8 so that's how we scale our funded funds. But then
9 in addition to that, you have the assessment
10 rights. So really we have more resources that you
11 could argue than the cover 2 requires and also
12 just looking at some of our stress testing
13 results. Typically we see that it would require
14 more than the two CPs defaulting to deplete our
15 funds even under some very extreme scenarios that
16 we use in our stress testing. So we're confident
17 in the level of the resources.

18 On the other hand, it's an efficient
19 model that we have, which provides for portfolio
20 benefits as well. So we try and draw the balance.
21 But, yes, we may have more than the cover 2.

22 MR. KLOET: Ian, why don't you go ahead

1 and continue and finish and then we'll take
2 questions after that.

3 MR. SPRINGLE: So given the time, I'll
4 just cover the plan that we have on page 5 for
5 default management, which is really if you think
6 about it, these are the elements we would test in
7 any default test. So we cover both at the same
8 time.

9 So really there are two phases. The
10 first one is a very quick phase. We have to
11 complete all these tasks in about 3 hours. The
12 declaration of default process really -- we
13 monitor and prepare for the default, so it's
14 unlikely that a default event will happen without
15 anybody being aware of the event. There's some
16 credit monitoring that we perform overtime leading
17 up to the event. Importantly, this will likely
18 give the clients of our CPs an opportunity to pull
19 any of their positions ahead of a default, and we
20 would work with them to facilitate that.

21 Secondly, we then have to demonstrate
22 that the default conditions are met. There are

1 several types of defaults, such as failure to pay,
2 bankruptcy and suspension, so we have specific
3 rules that we test in ICE Clear Credit to make
4 sure that we're accounting for all of those
5 different types of events. We then have to obtain
6 the appropriate approvals. There's kind of a
7 hierarchy of levels of authority that we have to
8 be able to achieve in a small timeframe, ranging
9 from an eligible officer of ICE Clear Credit, to
10 the Chairman of the Board, all the way through to
11 a majority vote from our Board. So we also test
12 those components in as near real time as we can
13 during our tests. We then have the ringfencing of
14 the defaulter's portfolio, so we make sure that
15 the defaulter cannot clear any further positions,
16 cannot contribute to our pricing process, and then
17 we have a communication out to the public and to
18 our CPs and to regulators.

19 The next two components, funding and
20 activating our Default Committee, happen at the
21 same time. The funding really as I spoke about is
22 making sure that we liquefy any assets that we

1 have so that we can meet our payment obligation
2 deadlines and then look forward to subsequent days
3 of the default to make sure we have liquid assets
4 at that time.

5 And then we have the Default Committee,
6 which consists of three traders from three firms
7 who come into the ICE offices to consult with the
8 risk department around the hedging and liquidation
9 of the portfolio. So during our tests, we
10 actually invite them in and check that they can
11 reach our offices within an hour to participate in
12 the testing.

13 So by 11:00 of the day of the default
14 basically we've seconded our traders. They're at
15 our offices. We've liquefied our collateral and
16 paid our obligations. And then the focus really
17 on the remaining days is on the hedging and
18 liquidation.

19 So on the bottom of this slide the first
20 part is the hedging, which we've already really
21 spoken about. But I just wanted to mention the
22 porting. So under our rules we have the

1 discretion to transfer the positions of a
2 defaulted FCMs' client portfolio of the
3 nondefaulting clients to a nondefaulting FCM or
4 one or more nondefaulting FCMs. This is another
5 component that we try and incorporate in our tests
6 and we have done in two prior tests. Part of this
7 porting is also to negotiate with the trustee. So
8 in practice we're going to have to talk to the
9 trustee to understand how much of the initial
10 margin and how much mark- to-market margin the
11 trustee is willing to pay on behalf of the
12 defaulting FCM and that will obviously take some
13 time. And we also in choosing the FCM that we can
14 port to have to consider the impact from a risk
15 perspective of moving those positions to the FCM
16 and also the impact on the remaining portfolio
17 that we'll have to auction. But that's something
18 that we would do on behalf of our clients. And
19 then the final component is obviously the auction.
20 I won't go into any more detail because I know I'm
21 running out of time here.

22 So really I think that covers most of

1 our broader introduction. I think my colleagues
2 probably will be dealing more with the mechanics
3 of the actual default test, so I'll leave it to
4 them to go through that.

5 MR. KLOET: Thank you, Ian. I know
6 there are questions on Ian's presentation. What
7 I'd like to do is have all three clearing CCPs
8 present first and then I'll open the floor up for
9 questions. So with that I'm going to go to Sunil
10 Cutinho from CME.

11 MR. CUTINHO: Thank you, Tom. This is
12 the first time I've heard somebody call a white
13 person with an Indian name -- Sunil -- that was
14 good. That's the joke for the day.

15 Before we go into the details of default
16 management, I just wanted to set context. I think
17 if we all start repeating what Ian has just
18 presented, it will make for a very boring day. So
19 let's start by just taking a step back. What are
20 we trying to do in a default management process or
21 when there is a default? There are two things.
22 One is restoring a matched book as far as the CCP

1 is concerned, and the second is we cannot forget
2 -- I think Ian covered that as well -- is porting
3 the nondefaulting clients to a solvent FCM,
4 another FCM. So those are the two big things to
5 take into account in addition to other
6 considerations.

7 Another important aspect of default
8 management, as Ian pointed out, is the preparation
9 before there is a default. These events are not
10 instantaneous. There is credit deterioration.
11 There are issues that happen before the onset of a
12 default. There are, of course, surprises, but
13 it's very unlikely from our experience that that
14 is the case. So active monitoring, monitoring of
15 risk, and actually a little bit of contingency
16 planning when it comes to the customers, are very
17 important aspects of default management before the
18 onset of a default. You can start working on
19 customers and porting of customers immediately and
20 as soon as practicable rather than waiting a few
21 days. So I don't want everybody to take away from
22 this conversation the fact that these are events

1 occurring in a sequence. We can actually port
2 customers while we're also performing the auction
3 on the house book.

4 With that I just wanted to give
5 everybody a sense of the experience that the
6 industry has had, and we particularly have had,
7 with multiple defaults that have occurred in the
8 past and there are four key things that we take
9 away from that.

10 I think the first one is one size
11 doesn't fit all. Market structures are different
12 when it comes to liquid central limit order books,
13 transparent markets versus an over-the-counter
14 market where pools of liquid -- there are multiple
15 pools of liquidity, but there's no centralized
16 pool. So there are differences in how you
17 construct or how you manage auctions in both those
18 situations. In both cases it's important that
19 there are no structural limitations to
20 participation because when it comes to a default
21 auction, our goal is, especially for the house
22 book, our goal is essentially we want bidders --

1 the more bidders, the better price. At the same
2 time you have to balance that with the number of
3 participants and how much information gets out in
4 the market. So those are the two things to take
5 into account, and we take that very seriously.

6 The second thing is customers, porting
7 of customers. There is a lot of experience on
8 this. There are different types of porting.
9 Sometimes if there is a shortfall in the seg
10 funds, which was the case in MF Global, it gets
11 complicated. It is not about -- LSOC doesn't
12 solve that problem. This is a shortfall. This
13 shortfall was not driven by a customer default,
14 but there was a shortfall. In such circumstances,
15 there are things to consider. There are
16 bankruptcy rules. You're dealing with a trustee,
17 and you're dealing with what can be done and what
18 cannot be done. We had to take the step --
19 because we take customer protections very, very
20 seriously, we put our own capital down to give the
21 trustee confidence that we want to move our
22 customers to alternate firms as quickly as

1 possible because markets are moving and we want
2 these customers to participate in those markets
3 and have as much of their collateral as possible
4 in these circumstances. So that is something to
5 keep in mind as well.

6 The third thing is the importance of
7 default drills. I think we're all going to speak
8 to it. The default drills is not one size fits
9 all, but there are a few common things that we'll
10 cover in the next few slides that are important to
11 reduce operational risk, to reduce
12 misunderstandings, and to actually broaden
13 participation. There are a set of things that we
14 test there, as Ian pointed out, incentive effects
15 on how to make sure that auction participants are
16 incented to actually make good markets and what
17 are the consequences if they participate, but they
18 make bad markets.

19 Coordination is an important point.
20 Coordination is not just between derivatives
21 clearinghouses, but we have to think of the
22 security side of the world as well because market

1 participants -- when we talk of a default, these
2 participants typically are also broker-dealers and
3 they participate in the equity markets,
4 securities, and also options. So it's important
5 to take that into account. Coordination is very
6 important, coordination from many perspectives.
7 We'll cover a few things as far as coordination is
8 concerned, but I think there is work to be done as
9 far as coordination is concerned.

10 So with that, let's go to some best
11 practices that we think will help us along the
12 way, will guide us when we think of default
13 management.

14 MR. KLOET: Sunil, if you could also
15 speak up into the microphone so that everybody can
16 hear.

17 MR. CUTINHO: Ah, this is the first time
18 somebody has shown me I'm not heard. Thank you.

19 So I think as far as best practices are
20 concerned, it's important to take into account
21 market structure. In our experience for
22 liquid-listed markets, buy-side participants have

1 participated successfully and they've been
2 aggressive and they've won the auction. There are
3 no restrictions. It's important for the clearing
4 firms of these buy-side entities to be aware of
5 the fact that they're participating and they
6 should know the risks that they are taking on, but
7 that in and of itself is not the only tool because
8 there are markets. So there is a broad array of
9 tools for these markets to actually resolve the
10 auction.

11 When it comes to over-the-counter
12 markets, the markets are still evolving. We talk
13 about market structure; that's your next panel.
14 They are still evolving, but CCPs when they
15 started clearing these have instituted a process
16 where generally participation in auctions is an
17 obligation for clearing member firms or clearing
18 participants, whatever you want to call them. The
19 reason is that these clearing member firms have to
20 have the wherewithal to actually liquidate these
21 portfolios when their clients default as well, so
22 they have to have this capability to get into this

1 business. So having them actually participate in
2 auctions and having that as an obligation is a
3 good thing, but there are also incentives
4 associated with it.

5 Despite that, I think structurally we
6 should not limit buy-side from participating
7 because when you talk about a default, you don't
8 want to place limitations on how many people can
9 bid. But these relationships cannot be struck at
10 the eleventh hour. We should invite them to
11 participate during the drill process so you
12 establish a relationship, and they also should
13 understand that there are certain obligations that
14 come along with participation and the auction.

15 I think a few weeks back or a week back,
16 I'm losing track of time, there was a discussion
17 about what are the appropriate incentives to make
18 sure that buy-side participants do not abuse this
19 process. The thing to keep in mind is that even
20 the incentives that we talk about as far as
21 clearing members are concerned, there are
22 incentives for participation, but essentially even

1 if you have an auction where there is one winner,
2 there are a few people, other people, who have
3 seen the activity, who have seen the portfolio.
4 So abuse is possible and it's not just limited to
5 buy-side. It's something that you have to address
6 across the spectrum.

7 So the way to address that is auction
8 participants should know that participating in the
9 auction comes with the possibility that their
10 activity, prior to the auction and after the
11 auction, is auditable, can be reviewed. So that
12 in and of itself is a good way to ensure that
13 there is no abuse post the auction.

14 So the other things we talk about, Ian
15 covered some of it. There is macro-hedging. You
16 think about hedging and a default -- when there is
17 a default and a firm fails to pay typically early
18 in the morning, let's say at 8:30 New York time --
19 they're supposed to confirm settlements and the
20 settlement bank says the firm is no good -- at
21 that point in time there two things. One is the
22 CCP has to have liquidity to make the payment, so

1 the liquidity facility should be sized to cover
2 that instance and that should be tested very
3 often, drawdowns and things like S- draws, that's
4 one.

5 The second thing is in that very, very
6 short period of time immediately following that
7 event, the most important thing is macro-hedging.
8 So it can be done by a CCP itself using very
9 liquid markets, liquid tenors, even for OTC
10 markets, to make sure that we reduce the risk as
11 much as possible from a mark-to-market
12 perspective. The Active Default Management
13 Committee and others who come in later on is to
14 further reduce the risk, the threshold. To give
15 you a sense of that is the margin, so margin pre-
16 hedging and margin post-hedging. So the goal is
17 to reduce margin as much as you can and its
18 mark-to-market as much as you can -- let's say 90
19 percent is a good threshold example -- but then
20 you have to balance that with a cost. How much
21 money are you going to spend hedging? So those
22 are some considerations CCPs make and it's being

1 tested. That's the whole point of testing, and
2 we'll come to testing a little bit in simulations.

3 I think Ian covered this. The
4 collateral that a firm has -- the purpose of a
5 liquidity facility is to actually get liquidity
6 without having to actually go to the market with a
7 lot of collateral and get a poorer price for it or
8 move the market by liquidating the collateral in a
9 very short amount of time. The liquidity facility
10 buys you time. The collateral should then be
11 liquidated. There are liquidation agents who
12 actually do this, and we should test this very
13 often. That's very important for CCPs to do that.

14 And the idea is once you've gradually
15 liquidated the collateral as needed in order to
16 make sure you pay the variation margin -- and even
17 in an auction sometimes, something to keep in
18 mind, is that, as Ian talked about, a liquidity
19 waterfall. Sometimes auction participants are
20 fine taking Treasuries rather than cash as value
21 because what people are actually bidding is how
22 much money would they want from a CCP to take on

1 the portfolio. Slightly different from valuation;
2 valuation is a component in it, but what they're
3 bidding for is how much money or margin would they
4 want to take on the portfolio.

5 And we spoke about porting. The
6 importance of porting is it has to start
7 simultaneously. Contingency planning is very
8 important. Here, too, and there is a little bit
9 of coordination with other CCPs that is important
10 because customers that are coming through that
11 failed firm and clearing at a CCP have activities
12 at other CCPs going through that very same firm.
13 So they could be trading the products in such a
14 way that they are settling with that firm on a net
15 basis. So when you port them, you port these
16 clients, and if the two CCPs were to port this
17 very same client of very different firms, then
18 automatically the client is settling on a gross
19 basis. So it will impact the client. So
20 coordination becomes important when thinking of
21 clients and porting.

22 We talked a little bit about

1 coordination. We have actually conducted a drill
2 with a major CCP in the U.S., and we intend on
3 continuing that with other CCPs. Our goal is
4 several-fold: Joint exercises, coordinating,
5 especially when getting traders who are seconded
6 from those firms, from the clearing firms,
7 empaneled firms. We have to make sure that when a
8 CCP empanels a clearing member that the same firm
9 is not empaneled to participate at another CCP for
10 the same product set. That will be a draw for the
11 same trader from two places. That is what we have
12 to avoid and that's a second important point.

13 The third one is the risk that a
14 clearing member has is diverse. It will not be
15 the same direction at all CCPs, so you have
16 opportunities, so, essentially, how you deal with
17 such situations because you can get a very
18 beneficial outcome if you coordinate your auction
19 actions with the other CCPs in such a scenario.

20 I'm not going to go through all of these
21 bullet points as far as preparation for the drill,
22 but I'll just talk about a few things. First is

1 it's important for the portfolio -- the
2 construction of portfolios is very important.
3 It's important to construct portfolios in a drill
4 that simulate risk, difficult risks to auction.
5 So you want to actually test the limits of your
6 auction process, so the construction of the
7 portfolio becomes important.

8 The second is the environment in which
9 this portfolio will be auctioned. So you cannot
10 choose the current environment. If you choose the
11 current environment, the market environment, then
12 you're only testing the operational aspect of a
13 default. You want to simulate a stressed
14 environment. So it will be good to take a period
15 in 2008, maybe post-Lehman default, a small period
16 of time and that is just basically for certain
17 markets. It's not the same at cross markets. So
18 you can look at crises in energy markets around
19 Enron and things like that. So those are
20 simulations. So that simulation is important.
21 It's not just at the day of the auction; it is a
22 week or two weeks post the default date. So you

1 get a sense from your traders and from market
2 participants who are participating in the auction
3 that this is the world you're in. What are the
4 prices you will contribute in this auction? How
5 would you participate in this auction? That's
6 very important. And for the CCP it will give a
7 sense of the size of the variation losses, the
8 hedging, the challenges. It will give a sense of
9 the challenges.

10 Because you choose a simulated
11 environment and you choose a simulated portfolio,
12 you have to actually prepare every participant to
13 be ready to participate, prepare the tools that
14 take into account the situation.

15 I'll just skip to the last two slides,
16 so I'm conscious of time. In the last two slides
17 I'd like to cover a few things. We think it's
18 important to cover a drill twice a year. Please
19 don't take this as a race between once a year,
20 twice a year, and all of that. The reason being
21 there are many diverse asset classes, so things
22 that we have to test is a participant that

1 defaults, a large participant that defaults, will
2 default across markets. So you want to
3 coordinate. If you have multiple risk pools,
4 multiple safeguards packages, then you want to
5 simulate a default across them so they will
6 default to all of them. You also want to -- and
7 we talked about the coordination standpoint -- you
8 want to also coordinate with other CCPs. The
9 important thing is testing of the systems, the
10 communication. I think Ian covered that. It's
11 important to know your participants. It's
12 important to know your clearing members in good
13 times, so that in bad times you're not searching
14 for these people. And it's not just one person,
15 it's the team. Who are the traders who are
16 participating, not just the head of the firm --
17 and the risk team, not the least to mention.

18 The other thing is bidding incentives.
19 Structuring bidding incentives is something that
20 you have to test. How will this bidding incentive
21 work? And you have to also share the results with
22 these firms.

1 The resources -- I don't want to go
2 through it. I think all of us have clean rooms.
3 They're audited, making sure that these things are
4 tested often so there are not surprises. We know
5 where the traders are going, and we know the
6 environment they're going to work within. We know
7 all the tools they're going to have and how
8 they're going to operate within that.

9 We were just talking about a timeline,
10 similar to what Ian covered. Day 1 of the default
11 is all about macro- hedging and hedging as much of
12 the risk as you can. The balance is how much
13 margin are you going to consume. The ADMC is the
14 Active Default Management Committee. There is a
15 committee that will give you guidance, but the
16 Active Default Management Committee are the
17 traders who are seconded and they are the ones who
18 are going to participate. The reason -- and I
19 know there's been a lot of criticism on this, but
20 it is a very important thing for over-the-counter
21 markets because the resources that you need, you
22 need to have expertise in these markets and these

1 resources cannot be just hired and kept in reserve
2 just to participate in a default if it happens.
3 None of these resources will stay. In order to
4 have them keep pace with the nature of the
5 markets, the state of the market at the time of
6 the default, you need to draw these resources from
7 the participants in the market rather than hiring
8 them, keeping them in reserve. So that's
9 important to keep in mind. Coordination is a way
10 to solve for avoiding a double draw on these
11 resources or having them not show up.

12 Day 2 to day 5, this is mostly for
13 over-the-counter markets. To give you a sense --
14 I keep pointing to the difference. In our
15 experience for listed liquid markets, we've
16 successfully completed auctions within a few hours
17 on the day of the default, so that's why, because
18 of the nature of this market structure. You know
19 over-the-counter markets are diverse pools of
20 liquidity and then they're also bespoke products.
21 They're nonstandardized. So pricing time and
22 auction time are slightly different than for

1 listed markets.

2 So for day 2 through to day 5 it's all
3 about auctioning a hedged portfolio. There are
4 different types of auctions. It could be
5 simultaneous auctions with multiple portfolios or
6 sequential auctions where portions of a portfolio
7 are taken down. There are different styles of
8 auctions -- Dutch, modified Dutch, things like
9 that -- and they all depend on the structure of
10 the portfolio and the nature of the market, so
11 that's to keep in mind.

12 So in the drill there are two things.
13 One is you want to have a process that notifies
14 the winners that they've won the portfolio and at
15 the same time you also want to show every
16 participant how the bidding incentive played out,
17 so the hypothetical impact of their bid on the
18 seniorization of their guaranty fund contribution.
19 This is in situations where clearing members are
20 obligated to participate.

21 We talked in general about cost of
22 default management. Things to review post-drill

1 are monitor throughout the drill and review
2 post-drill. What is the cost of hedging? What
3 does a variation margin cost? What's the auction
4 cost? And what are the assumptions? The thing to
5 take into account is all these three costs are an
6 important input into the margin model, so there
7 are aspects of the margin model. Most people
8 think in very simple terms about how much margin
9 is it for a single trade or for a small portfolio,
10 but margin models have concepts such as
11 concentration margin and liquidation triggers
12 where margins start to scale up significantly. So
13 these triggers are tested to make sure they're
14 adequate. Think about what the test is. The test
15 is testing the performance of the auction in a
16 stressed market.

17 That brings to an end most of my
18 presentation. The one last word I would have is
19 that I think automation to an extent is very good.
20 Standardization is good, but it is product
21 specific. And there are two aspects to this --
22 I've talked about it -- valuation and bidding

1 price. Valuation is essentially making sure
2 everybody knows or has a similar value, so
3 valuation is tested periodically. Mark-to-market
4 is all about valuation. But it's important to
5 also test valuation in a stressed market, so
6 testing valuation is an important part of a
7 default drill to see how people value portfolios
8 and to see how far different firms are.

9 The second thing is the bid price. The
10 bid price essentially is how much margin people
11 want, and the bid price will tell you what is
12 important for the incentive effects, how they're
13 testing the incentive effects that are structured
14 for the default.

15 And then as far as technology is
16 concerned and infrastructure is concerned, it's
17 very, very valuable. And having similar tools
18 across CCPs may be valuable as well because when
19 these auction participants are interacting with a
20 CCP, it's good for them to interact with similar
21 tools. So we worked with another major U.S. CCP
22 to double up our tools.

1 So, thank you, and I'm sorry for going
2 too long on this.

3 MR. KLOET: Thank you, Sunil. And
4 Dennis McLaughlin from LCH.Clearnet -- we'll have
5 your presentation next.

6 MR. McLAUGHLIN: Thank you for the
7 opportunity to be here. There is a presentation,
8 which I understand is going online at some point
9 soon. But rather than delve into it because of
10 the two excellent presentations we've just had,
11 I'll just start off with a few --

12 MR. KLOET: Dennis, if you'd just move
13 your mic closer and speak a little louder.

14 MR. McLAUGHLIN: So I'd just like to
15 make a few comments because we do a very similar
16 process to the other two CCPs that have just
17 spoken. But I think that we also focus very
18 importantly on the coordination aspect of what's
19 going on because when a default is imminent or
20 happening, a lot of people who normally don't talk
21 to each other suddenly have to be contacted and
22 communicated with and the structure of how that's

1 done is quite important.

2 So you have regulators. You have the
3 press. You have members who have to be notified.
4 You have the defaulting member who has to be
5 notified of what's going on. Lots of things have
6 to happen in a very coordinated way according to a
7 very strict timeline. So the people have to get
8 reports that they don't normally get. There need
9 to be processes that are not normally part of the
10 business as usual away from a default. So to the
11 extent to which we can automate most of that and
12 get rid of the potential for manual errors is very
13 important.

14 So our focus is really twofold. On the
15 risk management aspect, of course, we're doing
16 everything that we can to ensure that we have
17 enough margins collected, et cetera, and doing
18 everything that we can to make sure that we
19 understand the credit quality of the member as
20 it's approaching default and the alarms are set
21 off, et cetera, but we're also doing everything we
22 can to understand who needs to talk to who when

1 there is a default.

2 So let me just highlight a couple of
3 things that are different or potentially slightly
4 different from the other CCPs that have spoken.
5 The first one is on client porting. So we
6 recognize the fact that if the defaulted member
7 has a lot of clients, that's a big operational
8 issue to make sure that they're all ported
9 correctly because a lot of people have to be
10 communicated with. So for that very reason, we
11 actually hold an additional two days' margin to
12 cover that period because if there are no clients,
13 that's fine, you can deal with the closeout. But
14 if there are clients, you certainly can't deal
15 with it -- there has to be a nonzero time added to
16 the margining period to cover that, so we allow
17 two days for that. And we hold additional margin
18 just to cover for the headache and the time wasted
19 to try and figure out how on earth we can deal
20 with a large number of clients to be ported.
21 That's quite a large undertaking and it can be
22 very, very onerous.

1 The second thing is that we also started
2 to look at for the first time losses that could
3 arise not from the clearing side of the house, but
4 from shall we call the investment activities. You
5 may have a counterparty to our Treasury portfolio
6 activities who defaults. Now, if they're a
7 clearing member also, that creates a big problem.
8 But if they're a nonclearing member, we don't have
9 as much information on them as if they were a
10 clearing member. We can't see their trading
11 patterns, et cetera.

12 The other thing that we have to realize
13 is that any problem with the trading activity on
14 the margin investment goes straight to capital.
15 There are no default funds in the way so to speak
16 to protect or there's no margin in the way. It's
17 just a straight loss, a straight hit, to capital.
18 So we're very focused on running nondefault loss
19 fire drills, which means outside the clearing
20 service on the actual investment of the margin
21 themselves. If we have a problem, how are we
22 going to deal with that? What's the strategy for

1 dealing with those kinds of issues?

2 The third one I want to bring up that's
3 probably different is the fact that we also look
4 at our interactions with the settlement platform
5 because if we're having a cover event, the
6 settlement platform also is having some kind of
7 major trauma happening to it. So we want to know
8 how the interaction back and forth, the flow goes
9 back and forth, with the settlement platform. Are
10 trades still settling? We don't know. We want to
11 make sure that that's happening. That's what I
12 mean by the coordination emphasis that we put on
13 the activity.

14 As far as other CCPs are concerned, we
15 haven't gone down that road as yet. We do think
16 there's potential to do that, but I think there
17 needs to be some kind of framework to interact
18 with the other CCPs because you can very quickly
19 get into competitive concerns here. Because in a
20 default situation, if we have a member in default,
21 the chances are that the same member in the other
22 CCP is also in default. The issue is that we

1 might both have portfolios that are long, so i.e.,
2 similar portfolios. We can't offset them. We
3 can't net them. We're actually competitors then
4 because we both own at that stage. We own the
5 defaulted member's position, so we're in
6 competition in the market. The reason I'm
7 bringing this up is if that were to happen, unless
8 there's a very tight structure in place, the
9 chances of dealing with legal action later on in
10 the process from the trustee of the defaulted
11 estate, can be quite high.

12 So I think there's a role for the
13 regulatory community here to try and come up with
14 some sort of way for CCPs to interact. Now, I do
15 think that they can interact in a straightforward
16 way in terms of things like do we have overlap in
17 the default management group. So if there was a
18 default, are we sure that we can get the right
19 people in the right room at the right time and
20 that we're not competing for very scarce resources
21 in terms of just the operational aspect of the
22 default.

1 So that's just the few words to start
2 with. I'm not going to go through all this
3 presentation because, as I said, it's very similar
4 activities to what has been discussed earlier. I
5 would say that we do look at the design very
6 carefully of the default management fire drill.
7 We're looking at all end-to-end processes. The
8 timeline goes pre-default all the way through
9 default to the final calculation if you like of
10 the losses and the communication of that back out
11 to the members. We look at the types of exposures
12 that should be involved in the design of this.
13 We're looking at obviously LSOC concerns. We look
14 at different kinds of people who are involved in
15 the exposure process in terms of calculating the
16 exposure process. So, for example, we can have
17 interdependent relationships between clients and
18 members that need to be analyzed very carefully as
19 we design the process of what happens in the fire
20 drill.

21 Just to give you some sense of what
22 we're talking about, we have approaching something

1 like \$100 billion in terms of financial resources
2 spread over ten default funds. So that is a lot
3 of assets and a lot of people that we're talking
4 about. So obviously the extent to which we can
5 control and structure that process is quite
6 important. That's what I mean by the operational
7 processes that we need to focus on. A lot of the
8 issues can arise from not so much the financial
9 resources, but from the fact that you don't have
10 somebody's phone number. You don't quite know
11 where they are. You don't know who to contact to
12 get them in the room. That has to be all
13 preplanned and sorted out beforehand.

14 The other thing we look at is the stages
15 of the default waterfall that we need to test. So
16 in some fire drills we've tested different stages,
17 particularly as of late we've started to test when
18 you have the unfunded calls that you make and when
19 you're digging deep into the default fund, you
20 start to test that procedure, which is shall we
21 say not as established as the normal funded
22 default funds procedure.

1 So we're looking at a lot of moving
2 parts here, so coordination is actually key. Just
3 to give you a sense of the coordination problem
4 again, we have to look at all these lines across
5 the page in terms of people who are involved aside
6 from the individual services that LCH.Clearnet
7 has. So, obviously, there's a default management
8 group that has to be convened. Risk is involved.
9 Legal is very key in this whole thing because you
10 have to know the exact grounds on how you're
11 moving in terms of taking action. Do you have the
12 right to take this action, et cetera, et cetera?
13 What are the rulebooks saying? Compliance is key
14 as well. You have to know that you're within the
15 regulatory rules when you do something.

16 I would just mention collateral and
17 liquidity management is very important here
18 because we need get instant reports from all the
19 products as to how the jigsaw is coming together
20 in terms of what are liquidity needs shaping up to
21 be. This is what I meant about people who don't
22 normally worry about these kinds of reports.

1 Suddenly you have to have an automated process to
2 get these reports to you rather than working with
3 manual spreadsheets on the day of the default and
4 dealing with the misinterpretation that may happen
5 if that's the case.

6 Collateral operations is very key
7 because we need to know what collateral we
8 actually have, what's actually come in. Have we
9 turned off the collateral or what has settled so
10 that we know exactly where we stand? We can't be
11 working off yesterday's file. We have to have the
12 most up- to-date information as of the time of the
13 default.

14 Communications is very, very key because
15 we have lots of stakeholders here. A lot of
16 people, and a lot of preplanned, shall we say
17 communications, have already been drafted that are
18 ready to be sent out should the default happen.
19 We all have now lists of people to call, the
20 numbers, what to say when we call them, and the
21 communication that we then give to them to inform
22 them what's going on.

1 Regulators are invited as well to attend
2 our default fire drills to see what's happening.
3 Certainly our primary regulators are involved in
4 many of them, but we have many examples of
5 regulators who are secondary regulators who come
6 in as well to see what's going on.

7 By our policy we must have one
8 group-wide default fire drill every year, but as I
9 said we have ten default funds. So each default
10 fund will have ad hoc fire drills throughout the
11 course of the year, but we need to be able to
12 ensure that we can stitch everything together.
13 And when you stitch it together, the fact that
14 normally people who aren't talking to each other
15 are now suddenly talking to each other, what
16 happens is we need up-to-date, real-time reports
17 on where we are relative to the defaulted member's
18 resources. So have we used it up yet, or how are
19 we using it up, and how much have we used up. And
20 to the extent that we're starting to invade skin
21 in the game gives us a sense of how successful we
22 are in dealing with the default. So that's the

1 planning.

2 The execution I think is pretty similar
3 to what has been said, so I'm not going to go in
4 there.

5 I would say, finally though, the
6 evaluation phase. So you do this default fire
7 drill and so what? Well, of course, when group
8 risk plans out the things to test so to speak to
9 make sure that we hit the sore points, that will
10 give us a scorecard if you like of the things that
11 didn't quite work. This scorecard is taken by
12 audit to the Board and that ensures that there's
13 absolute focus on remedying these issues because
14 there's no point in running a fire drill if you
15 don't learn anything from it. So I would say that
16 it's a very disciplined exercise.

17 After all, we've been around as a
18 company for I think 170 years or so, but it's
19 really only in the last 10 years, in the last 5
20 years particularly, that the science of how you
21 run a default fire drill has changed pretty
22 dramatically. And I would say that we're finding

1 that the operational part of this is absolutely
2 key because the traditional CCP was always focused
3 on financial resources. This is something else.
4 So we're just dealing with a very complex world
5 that we probably haven't been used to dealing with
6 and this is the evolution, the next step, so I
7 think things are moving on.

8 I think that's probably enough because
9 the other people have probably said everything I
10 need to say. Thank you very much.

11 MR. KLOET: Thank you very much, Dennis.
12 We have run well past what I thought we would run
13 in terms of the time on this, although to be very
14 frank, this sets the stage for some of the
15 important discussions we have to have. So I did
16 intentionally let it go a little longer because I
17 think as we think of this committee as an
18 iterative process, this really very well sets the
19 stage for a number of discussions I think we have
20 to have.

21 What I'd like to do is I know --
22 Kristen, you had your card up and I want to give

1 you a chance to ask a question. I think it was
2 you who had your card up first. I'm going to take
3 two questions and if I can limit it to questions
4 directly related to the CCP's plan. I'm going to
5 ask you to hold comments on it because while I do
6 want to engender comments, I'm going to come back
7 and ask for comments later. I have a series of
8 questions I'd like to go to about what a real-life
9 default scenario would look like because I think
10 the plans themselves are very well laid out. The
11 three CCPs have done an excellent job showing us
12 those. But what I'd like to do is provide to the
13 Commission some of the industry's thoughts on what
14 a real-life scenario would be.

15 So I want to get into that discussion a
16 little bit in a second, and I have a few speakers
17 lined up on a few questions along that line. But
18 with that said, I'll have two questions; if we can
19 have the responses and the questions relatively
20 quick so that we can get on to that further
21 discussion.

22 Dennis, I'm going also plant a seed here

1 that within the next 45 minutes I'm going to try
2 to come back to as well. Dennis referenced in the
3 middle of his presentation a suggestion to the
4 Commission with respect to coordination. The last
5 question I'm going to ask today for this panel is
6 -- and it's a really important one -- is what
7 should the Commission be doing? What can we ask
8 -- the regulator is asking us as an industry to
9 give them feedback. So I want everybody to be
10 thinking about what thoughts we have that the
11 Commission should be thinking about? I have a
12 couple. I'm sure a whole bunch of us do. But
13 where we add value is giving them thoughts as to
14 what they should do, and I want to clearly do that
15 before we get to the end.

16 So with that, Kristen, I'm going to hand
17 the mic to you. Then we'll come over to you and
18 then we'll go to some of the other questions that
19 I articulated before.

20 MS. WALTERS: Thank you very much. My
21 question actually refers to page 4, Ian, of your
22 initial deck. So as an asset manager, clearly

1 we're charged with managing on behalf of clients
2 in a fiduciary capacity. We're not counterparties
3 to these transactions, but it's our responsibility
4 to understand at a highly granular level two
5 things: One, the actual estimate of potential
6 loss to our clients in the instance of default.
7 In this case Ian has presented a case with
8 simultaneous default of two clearing participants.

9 And second, to make sure that we
10 understand the totality of the loss-absorbing
11 resources of the CCP so that we can ascertain
12 whether there is sufficient resources to cover
13 potential client losses and to provide
14 transparency to our clients to understand if they
15 actually want to embed that risk in their
16 portfolios or choose other options potentially
17 off-exchange in bond form.

18 So, Ian, my questions are -- I'm looking
19 at page 4 of your deck -- based on your
20 risk-modeling results, what is the actual total
21 expected dollars that you view would be required
22 to absorb simultaneous default of two clearing

1 participants? And how does that relate to the
2 financial resources that you've listed on your
3 page?

4 So you've listed initial margin of \$17
5 billion, a guaranty fund of \$2 billion, and ICE's
6 capital contribution of \$50 million, and I'm
7 assuming unfunded assessment rights. In
8 particular, what is the role of the \$17 billion in
9 initial margin with regard to absorbing losses in
10 the instance of default? Clearly we view this as
11 sacrosanct and something that would not be
12 considered at all in the context of financial
13 resources in the event of default beyond the IM of
14 the defaulting clearing member.

15 MR. KLOET: So if I can just make sure I
16 understand the question. I think you're asking a
17 really great question. What's the risk of me as
18 customer A within a clearing firm if it is
19 customer B that creates the default -- or, I'm
20 sorry -- clearing member A and clearing member B
21 creates the default as clearing member A's margin
22 at risk.

1 MS. WALTERS: It's actually a little
2 simpler. So what is the total expected loss
3 that's being modeled by ICE if two clearing
4 members default simultaneously? What's that
5 dollar amount and how is it derived? And two,
6 what financial resources are available to absorb
7 that loss and how would they be allocated? And
8 specifically, I am concerned about seeing \$17
9 billion in initial margin as a financial resource
10 that ICE would use in the event of a default.

11 MR. SPRINGLE: So maybe I'll speak to
12 that a little bit. So the initial margin
13 component is the collateralization of the losses
14 of each CP's portfolio under distressed
15 conditions. The guaranty fund is then the
16 uncollateralized. We look at the loss of two of
17 the biggest CPs, biggest loss-generating CPs, and
18 we look at what we haven't collateralized through
19 our initial margin and then we hold additional
20 funds for that. So the combination of the two of
21 them is designed to address the cover 2 scenario
22 that we have. So the \$17 billion is a large

1 number, but don't forget that that \$17 billion is
2 the sum of everybody's initial margin. So if
3 there's a CP default, if it's one CP's default, it
4 won't be \$17 billion that we have. It will be one
5 CP's initial margin. It's much less than the \$17
6 billion that we have on the page.

7 So the funds that we compute that we
8 require to address that cover 2 is the sum of the
9 defaulting CP's initial margin plus the guaranty
10 fund. And then we have an additional \$50 million
11 from ICE's contribution designed really to align
12 the incentives of the clearinghouse in making
13 decisions with those of the CP's. And then the
14 assessment rights can be thought of kind of
15 additional funds on top of the amount that we
16 computed that we needed that we have in reserve.

17 So at the moment, for every defaulting
18 CP, the expectation is that we can call an
19 additional amount of the guaranty fund. We have
20 plans in place in other clearinghouses. We limit
21 that to three times the guaranty fund for three
22 defaults. So we're allowed to call another amount

1 of the guaranty fund from everybody up to three
2 times if there are three defaults.

3 MS. WALTERS: So, thank you.
4 Unfortunately, you didn't actually answer my
5 question. I think we can take this offline, but I
6 think it is very important, in fact essential, for
7 the CFTC working with all of us at the table to
8 actually understand this math. If two clearing
9 members default simultaneously, what is the loss?
10 If a loss happens, how is it absorbed? Who
11 absorbs it, in what order, and what is the role of
12 initial margin in that context, bearing in mind
13 that any use of initial margin is going to have a
14 direct impact on investor behavior?

15 I think as an asset manager we have kind
16 of unique insight into this. So the extent to
17 which there are issues with a CCP before a
18 liquidity crisis occurs, as it is actually
19 percolating our clients will close out their
20 positions. Again, I don't want to take more time,
21 but talking about this math is something that we
22 have to do, all of us, whether we're a central

1 clearinghouse, clearing members, and investors,
2 buy-side firms.

3 MR. KLOET: I think I'd like to ask Bob
4 to -- first off, thank you for the question
5 because it's a great question. I agree with your
6 call for some transparency and an understanding
7 about this. Bob, I think you can add some
8 important elements about how the rules work around
9 this, how the regulation works around this. So I
10 want to ask you to step in and comment on this.

11 MR. WASSERMAN: I should note that that
12 \$17 billion figure, that is simply not available.
13 What is available is the initial margin of the
14 defaulter. And I should note CPMI and IOSCO
15 recently issued back at the end of February a
16 quantitative disclosure framework that is going to
17 require for those entities that are going to be
18 compliant, or consistent rather, with the
19 principles for financial market infrastructures --
20 and basically that is required in our rules for
21 systemically important DCOs and those who have
22 opted in -- to provide that kind of information

1 and so you'll be getting those numbers. And so
2 the cover 2 number really would need to be covered
3 at least by the default fund plus the initial
4 margin of the defaulter's assessments would be on
5 top of that because you have to have prefunded
6 amounts already there, again, limited to the
7 initial margin only of the defaulter.

8 I will say a lot of times I've seen CCPs
9 provide the total amount of initial margin they
10 hold. It's a very impressive number, but,
11 frankly, it's not really relevant.

12 MR. KLOET: Thank you for the clarity
13 there, Bob. I think that's an important point.
14 It gets at one of the hearts of the question
15 because let's remember among the key things here
16 is that the integrity of the markets is something
17 that we have to make sure the system protects at
18 all times. That's the most important thing.
19 That's why we're here. Understanding that is
20 important because I think Kristen is raising a
21 good end user view on the exposure and what it
22 would really mean if it weren't the case. Anat?

1 MS. ADMATI: Thank you. I do want to
2 note that \$50 million -- that's an "m" in front of
3 it -- that's a very small amount in these markets.

4 So my question is quite related to the
5 issues that already came up because we say a
6 member and there are members and there are
7 members. So there is MF Global, but there's JP
8 Morgan Chase, and those are very different
9 members.

10 So the scenario that we're talking about
11 is one where -- you know, another duty I have,
12 which is Advisory Committee to the FDIC on
13 systemic resolution comes in. What exactly is the
14 scenario for the systemic ones, which are kind of
15 the ones we should worry about the most? Because
16 in a scenario of their default, should we ever get
17 there, which I'm not sure we'd allow, then it's
18 far from unique in that particular scenario and so
19 assessment abilities and other things should be
20 questioned.

21 But I am concerned and I want comment on
22 closeouts specifically and also on stay because I

1 know the safe harbor provisions, and we were
2 taking hours here to do this, but I think under
3 FDIC Title II resolution, there is 24 hours of
4 stay potentially and there was some action with
5 ISDA about buying into that, which some did and
6 some didn't, so they dispensed with the two
7 counterparty czar. So there are a lot of details
8 here that I feel must be ironed out when the
9 particular defaulting member might be or is
10 considered potentially to be before a default a
11 systemic institution.

12 MR. KLOET: Thank you. I think that was
13 more of a comment than a question, but if you have
14 a response --

15 MR. WASSERMAN: Just a very quick
16 observation -- well, two quick observations. I
17 think when you look at who's going to be driving a
18 cover 2 scenario and who's systemically important,
19 in most CCPs certainly the larger ones. I think
20 there's going to be heavy overlap there.

21 The second thing I would note very
22 importantly is that the stay does not apply to

1 payments to clearinghouses except insofar -- to
2 the extent that if there's a failure of payment
3 when due to a clearinghouse, the clearinghouse is
4 permitted to liquidate without regard to that stay
5 or rather as part of the provisions under Title II
6 because, of course, it would be inconsistent with
7 the nature of a clearinghouse.

8 MR. KLOET: Thank you, Bob. With that I
9 want to move on to take a step in front of the
10 presentations we just had and have a conversation
11 about a couple of questions.

12 First, what's the most likely real-life
13 default scenario of a significant clearing member?
14 I mean in other words what would be the cause of
15 that, and what would it look like? How likely is
16 it that that default scenario of a significant
17 clearing member would be escalated to that -- or
18 isolated I should say -- to that clearing member;
19 or alternatively, how likely is it that multiple
20 clearing members and clearing members with
21 multiple CCP memberships would be affected as
22 well?

1 And, finally, another question I'd ask
2 is what would be happening on the road to default?
3 What would it look like on a path before a
4 default?

5 So I think we have three people that I'm
6 going to ask for some short comments from. First
7 I'll ask Susan McLaughlin from the Federal Reserve
8 Bank of New York to comment first.

9 MS. McLAUGHLIN: Thank you. Can you
10 hear me okay? I'd like to thank the Commission
11 for the opportunity to participate in this
12 important discussion.

13 I probably will leave aside the question
14 of what the real-life scenario will look like and
15 let those closer to the day-to-day in these
16 markets answer that. But I think it's likely a
17 default of a clearing member would occur in a
18 stressed market environment featuring elevated
19 price volatility and reduced market liquidity.
20 And the default could either be a product of
21 stressed market conditions or could itself
22 precipitate stress.

1 For this reason, CCPs and the regulatory
2 community should do everything possible to ensure
3 that CCPs are a source of strength and not
4 instability in stress. If the CCP were able and
5 willing to perform on the defaulting member's
6 payment obligations to other CCP members, we'd
7 expect the default to remain isolated to that
8 clearing member. However, if a CCP were for some
9 reason unable to perform on the defaulting
10 member's payment obligations in a timely manner
11 and in the expected currency, its surviving
12 members would face liquidity shortfalls that would
13 quickly trigger a cascade of failures on their
14 obligations to their counterparties beyond the
15 CCP, transmitting liquidity risk more broadly to a
16 wider set of market participants.

17 A key public policy benefit of central
18 clearing is the role that CCPs can play in
19 mitigating systemic risk and contributing to
20 financial system stability during a stress event
21 by stepping in for a defaulted member to avoid the
22 sort of contagion that I've just referred to. A

1 well- managed CCP can serve as a source of
2 strength and stability by mitigating the risk of
3 contagion.

4 As part of this, it's really critically
5 important that there's ex-ante clarity regarding
6 the rigor and credibility of the CCP's stress
7 testing and the quality and reliability of its
8 liquidity resources. This is essential to build
9 market confidence in the CCP's ability to manage
10 through a stress event. If members lack
11 confidence that they will receive amounts owed in
12 a timely manner, they may not continue to make
13 payments into the CCP. In extremis, this dynamic
14 could depress new trading activity, undermining
15 broader financial market functioning.

16 Similarly, if members and end users lack
17 confidence in the robustness of the CCP's
18 back-testing and stress-testing processes, they
19 may doubt that the clearing fund is adequate to
20 cover all credit obligations of the defaulting
21 member during the transaction back to a matchbook.
22 And they may pull back further activity from the

1 CCP in an effort to limit their potential losses,
2 thus undermining market liquidity.

3 At the Fed, we scrutinize FMUs' default
4 management procedures in our supervisory and
5 oversight processes carefully, particularly with
6 respect to liquidity risk management, to determine
7 whether FMUs are adequately preparing to meet
8 their obligations in a stressed context in which a
9 large default or multiple defaults could occur.
10 We want to see things like the underlying
11 assumptions being appropriately conservative, not
12 simply assuming the default is occurring in benign
13 market conditions. We would like to see expected
14 liquidity needs sized based on the robust stress
15 testing. It's important that resources to meet
16 intraday payment obligations to members are
17 available whenever needed. The CCP should have a
18 credible strategy for returning to a balanced book
19 of positions through liquidation or auction of the
20 failed clearing member's portfolio, and that
21 there's a clear and transparent process ex-ante
22 for allocating credit losses resulting from the

1 liquidation of the member's portfolio among CCP
2 members and end users. And these criteria become
3 even more important when we contemplate the
4 defaults simultaneously of multiple members.

5 Maybe I can hand it off at that point to
6 my fellow speakers.

7 MR. KLOET: Thank you, Susan, for those
8 important insights. Scott Flood represents Citi,
9 and Scott, I'd like you to make a few comments as
10 well, please.

11 MR. FLOOD: Sure, thank you. In looking
12 at this, you had asked what would happen on the
13 road to default. One of the things that we
14 thought about is that we think it's going to be a
15 very bumpy and uneven road. In going down that
16 road, we think that a significant clearing member,
17 if they default, that lots of other things are
18 likely to happen in other markets and it will be a
19 default across multiple asset classes, that all of
20 the significant clearing members are also members
21 of multiple CCPs.

22 We also should recognize at least at

1 this time that this clearing member is going to
2 have activities outside of this market, so we're
3 going to see a lot of activity in the repo market,
4 for example, where there are also defaults
5 happening. There is some market in uncleared
6 swaps that continues to exist so there'll be
7 bilateral defaults that are happening also at this
8 time and defaults in other markets that are
9 happening to this member that will cause stress
10 and liquidity needs and liquidity dislocations in
11 the marketplace at the same time.

12 We don't think that it's likely that
13 this will be isolated, but it will depend a great
14 deal on what kind of default and what the event is
15 that has driven the default. We've seen all kinds
16 of defaults over the last 20 years and that they
17 have been in pockets and fairly unique. In some
18 cases they're event driven, so they might be
19 driven by a market dislocation like in 1998 with
20 long-term capital where the Russian ruble affected
21 multiple entities all at the same time that were
22 directional in that view. And so it wouldn't be

1 isolated in that type of situation. It could also
2 be operational that could affect multiple CMs at
3 that time. And also, as pointed out, there could
4 be a lack of confidence that starts to bring to
5 the marketplace where a significant clearing
6 member that is defaulting could cause a lack of
7 confidence in the marketplace, generally with
8 clearing members of that type, that starts to
9 promote a liquidity scare and a liquidity need
10 that happens in the marketplace at that time.

11 We think that there will be challenges
12 in valuations that are occurring at this time that
13 will make potentially the investment management of
14 the collateral a challenge. So there could be
15 additional collateral calls on other CMs and that
16 might accelerate other defaults that occur because
17 of the liquidity and the drying up of liquidity at
18 that time. So changes in variable margin caused
19 by a stressed market, changes in initial margin
20 caused by a stressed market, changes in the
21 default fund as the default fund is being
22 liquidated that calls for additional assessments

1 in short periods of time could drive and actually
2 cause additional defaults by other clearing
3 members through their own liquidity needs and
4 their liquidity drains that are happening in the
5 markets that are emanating from the CCPs.

6 A couple of just quick things to
7 consider: I think we heard very interesting
8 presentations, and I think that there are
9 additional considerations that we should think
10 about. One of the things is there's a requirement
11 that there are adequate traders that are available
12 to do and to absorb all the valuations that are
13 happening in the market needs at a very stressed
14 time. And what happens if those traders aren't
15 available or they're actually trying to resolve
16 their own portfolios at that time and aren't
17 available for secondment? So there could be a
18 human resource drain that is also happening at
19 this time.

20 The other thing is that there may be and
21 there probably will be -- if a significant
22 clearing member defaults, there probably also will

1 be customer defaults that are happening also at
2 this time that adds stress to the marketplace.

3 Just a few observations that I think:
4 What could be helpful is uniform default
5 management and coordinated default management here
6 in the United States and with the European
7 clearing organizations, and transparency on the
8 stress as well as the default frameworks that
9 we're using.

10 And I will pass it to Emily.

11 MR. KLOET: I'd like to ask Emily
12 Portney from JP Morgan to come up.

13 MS. PORTNEY: Can you hear me? First of
14 all, thank you very much for the opportunity to be
15 present at this committee. I'm going to try to
16 keep it very brief, too, and cover things that we
17 think about as a clearing member. And we actually
18 think that this committee, as well as all market
19 participants, should be thinking about on the road
20 to default as well as during a default or
21 post-default.

22 So certainly in terms of the road to

1 default, I think my colleagues covered it well,
2 that it can be an idiosyncratic stress event that
3 ultimately erodes market confidence and puts a lot
4 pressure economically on lots of market
5 participants. It can be a stress on a single
6 player, but ultimately that has some market
7 contagion. So there can be lots of different
8 reasons for it.

9 The one thing that we would like to call
10 attention to is that on the road to default
11 generally speaking something that CCPs would do,
12 understandably so, is to impose trading
13 restrictions on a member that they'd be worried
14 about defaulting, increase margin requirements
15 across all members, increase the frequency of
16 margin calls, and probably also increase haircuts,
17 all of which when you think about it are
18 procyclical. So just something to consider, or we
19 all as a market should possibly be considering, is
20 just the procyclicality of these measures and,
21 whether it's popular or not, definitely there
22 should be more transparency in and around how

1 these measures are set should there be some floors
2 or minimum requirements on margin; likewise,
3 minimum haircuts, similar to what's being applied
4 to banks for the LCR; and some restrictions on
5 actual collateral and what types of securities can
6 be used as collateral. So that's on the road to
7 -- I'm trying to cover things that haven't been
8 covered -- but on the road to default, I would
9 think about some of those things.

10 In terms of an event of default, so a
11 clearing member is defaulting. The one thing we'd
12 like to call attention to is the fact that CCPs do
13 have very broad-based powers in terms of when it's
14 within their interpretation or how they can
15 declare a default. So, for example, it can
16 certainly be insolvency and bankruptcy of a
17 clearing member, which I think all of us would
18 agree would make sense. It can be an appointment
19 of an administrator or receiver, which I think all
20 of us would agree would make sense, a breach of
21 rules. Also, though, it can just be within their
22 sole determination that a clearing member just

1 does not have adequate operational or financial
2 resources, or they feel that they are approaching
3 a point where they won't have adequate financial
4 or operational resources. It can also be because
5 an affiliate of a clearing member actually
6 defaulted when actually the member itself is
7 fulfilling all of its obligations and performance.
8 So the other thing we would just draw attention to
9 is that at the point of default, CCPs have a lot
10 of discretion. And each CCP is very different
11 when you look at the rulebooks around what exactly
12 is an event of default. You can easily get a lot
13 of certainly confusion, especially if those
14 clearing members are members across lots of other
15 clearinghouses.

16 In terms of post-default -- and I'll
17 just add a few comments because I think a lot of
18 things have been covered -- certainly what happens
19 we've all talked about. The secondment of traders
20 to actually participate in default management and
21 the auctions. I think everyone has called
22 attention to this fact, but there is a potential

1 human resource drain and, frankly, one of the
2 things I would really highlight here is especially
3 as less liquid products are being pushed into
4 clearinghouses, whether it is swaptions or
5 inflation swaps, the likelihood of not having
6 enough traders to actually participate in the
7 default management process could be a real issue
8 that we have to think about.

9 When we get to liquidation or auction,
10 something I would highlight is that every
11 clearinghouse has a different bidding process; a
12 different auction process; the consequences of
13 participating, not participating are very, very
14 different. So the consequences of a failed
15 auction, very different. Is it invoicing back,
16 allocating the positions? All of the things that
17 we're talking. So, again, it's a lack of clarity
18 and the fact that across every clearinghouse it
19 can be very, very different. So if you're a large
20 clearing member of many clearinghouses, you're
21 trying to prepare for every possible alternative
22 and option and that's hard.

1 Something we haven't talked about yet,
2 but -- well, we've mentioned -- and, again, I
3 think the clearinghouses have a good job of
4 outlining their plans, but the things you have to
5 think about are porting of positions. There's an
6 obligation for all market participants to
7 certainly help out and try to port positions. I
8 will tell you that, especially in this environment
9 when we think about just pure capacity nowadays --
10 and I'm not talking about operational capacity,
11 but we're also talking about capacity in terms of
12 balance sheet and capital -- we really do have to
13 think about whether if a large clearing member or
14 more than one went down, would there be another
15 clearing member that actually could take on that
16 book of business in light of the capital
17 considerations that we all now have?

18 Liquidity we talked about. Certainly if
19 the initial margin of a defaulting member should
20 not be sufficient, you hit the default fund. And,
21 of course, you have to think about what if the
22 default fund itself, which is the funded portion

1 as everyone talked about, is not sufficient?
2 Well, then you move into things like assessments,
3 which I think we've been very public about our
4 view, especially given the size of assessments can
5 be anywhere from 2 times, 3 times, or 5.5 times
6 and this is tens of billions of dollars, whether
7 they will really be there. You also move into
8 things like payment in kind, variation margin
9 haircutting, all of these things that just put
10 additional liquidity pressures and funding
11 pressures on all market participants, and we have
12 to be thinking about that sort of thing.

13 And so for us, we would say think about
14 the unfunded portion of this stuff. Do we have to
15 move whether it's popular or not to some form of
16 funded resolution plan at some point for a CCP if
17 funded resources are not sufficient? So I would
18 just highlight some of those concerns.

19 And the only other thing I would just
20 say is I think we all talk about and we get a lot
21 of comfort perhaps in like oh, we handled Lehman,
22 but a lot has changed since 2008. Volume at

1 clearinghouses obviously has increased
2 tremendously. The number of market participants
3 now participating in clearing has increased
4 tremendously. Concentration of CCPs and clearing
5 members has increased, so you have less
6 participants and certainly reliance on a few. The
7 interconnectedness of the markets is more.
8 Obviously the same clearing members are members of
9 all the same clearinghouses. We're talking about
10 cross-margining. We're talking about open access.
11 When we talk about -- we did mention that
12 certainly some clearing members' affiliates are
13 settlement banks and custodians. So if one of
14 those clearing members is having an issue, they're
15 likely having an issue all over the board.
16 Likewise, most clearing members have affiliates
17 who are responsible for providing all of the
18 liquidity because of the new liquidity
19 requirements for CCPs. So it's all circular and
20 we should all be thinking about the
21 interconnectedness, which is much more than it
22 used to be.

1 I already talked about the capacity in
2 terms of capital and everything else that we
3 certainly have to talk about and that could impact
4 actual, realistic -- whether or not portability is
5 realistic. Likewise, there's a bigger move to
6 less liquid clearing, less liquid products
7 potentially expanding collateral. Fully
8 understand why end users want that, but we have to
9 think about what that actually means.

10 So from our perspective, and people have
11 kind of already highlighted it, it's very much
12 around further transparency, a bit more
13 consistency perhaps, certainly more
14 predictability. We do need coordination. We have
15 to think about multiple defaults of clearing
16 members and potentially more than one CCP and
17 certainly minimum standards on haircuts,
18 collateral, margin, and finally, CCP resolution.
19 As terrible as that sounds, what happens if that
20 should happen?

21 MR. KLOET: Thank you, Emily. Those are
22 important comments. I'm going to take the

1 prerogative of the moderator and make one comment.
2 Referenced in the middle there somewhere were some
3 important comments you made about customer
4 portability. As I was listening to the CCP
5 presentations, I have a personal view that I'll
6 express that is that in the kind of scenario we're
7 potentially envisioning, for the kind that we'd be
8 concerned about impacting market integrity, it'd
9 be my suggestion that customer portability will be
10 anything but routine especially given the kind of
11 capacity constraints you referenced, Emily.

12 Then add to that things like the various
13 products that people may be carrying where they
14 are hedging one asset by using the risk management
15 products within the futures markets for them. And
16 then continue to expand that scenario to be
17 international in scope. So I would suggest that
18 as the MRAC continues to evolve, Commissioner, I'd
19 suggest that we spend a little more time on
20 customer portability because one could frankly
21 take comfort in the fact that yeah, it's all going
22 to be okay and we'll take care of moving

1 customers. But even healthy customers with good
2 positions may be hard to place in the kind of
3 volatility that we may expect to see in a
4 significant default scenario. So I think customer
5 portability would be something easy to
6 underestimate the importance of.

7 Commissioner Wetjen, you had your card
8 up. Are -- okay, Chairman?

9 MR. MASSAD: Well, let me just ask a
10 question. But, Tom, I'll defer to your plans in
11 terms of how you want to run this because frankly
12 my question is something that I would like this
13 group maybe to spend about an hour discussing at
14 some later date, and that's to follow up on the
15 issue of coordination between CCPs and in
16 particular Dennis's comment about how that may be
17 difficult given legal concerns, about possible
18 legal actions by the trustee of the defaulted
19 member.

20 I guess what I'd like to ask of the CCPs
21 as well as others on the committee is to think
22 about what are the objectives of that

1 coordination, and what should we as the CFTC think
2 about in terms of facilitating that coordination
3 or cooperation?

4 MR. KLOET: I think that's a subject
5 that we could spend a whole lot of time on.

6 MR. MASSAD: If you want to reserve that
7 -- Sharon, if you want to reserve that for a
8 separate discussion, I'm fine with that because we
9 could --

10 MR. KLOET: Let the commissioners and me
11 confer on that, but my initial reaction subject to
12 -- she is the sponsor and I fully respect that --
13 but my initial thought is that we should have a
14 panel on that or a section of the next panel on
15 that because I think, Chairman, what we've done is
16 create the framework for that discussion today. I
17 don't want to take away from Professor's Lo's
18 discussion on SEFs.

19 MR. MASSAD: That's fine.

20 MR. KLOET: But I actually think that's
21 a really important question and would suggest that
22 we spend a lot of time on it. And I think we're

1 proving the value that getting this group together
2 to have that discussion would provide. I'm happy
3 to go to either one of you.

4 MR. GIANCARLO: Thank you and it's a
5 question, not a suggestion for an hour-long
6 discussion, so I'll make it quick. I found it
7 very interesting Ms. McLaughlin's and Mr. Flood's
8 concern about liquidity crunch as perhaps a
9 trigger for widespread default, and Ms. Portney's
10 concern about the human elements certainly to run
11 any type of auction process. So my question to
12 the CCPs is when you do your fire drills and your
13 emergency risk scenarios, to what extent do you
14 use scenarios that really stress the liquidity,
15 market liquidity, scenario to come up with your
16 fire drill analysis? How dire do you look at
17 market liquidity issues when you do your fire
18 drills?

19 MR. KLOET: If you could keep the
20 responses -- sorry, I don't want to short circuit
21 it -- but if you could keep the responses
22 relatively short because I have one other

1 important question to go through first that we
2 have a brief presentation on.

3 MR. CUTINHO: As I spoke before, these
4 drills are hypothetical situations. So we use
5 information that exists to structure the
6 environment that I spoke about. These are
7 stressed environments and it's important for all
8 participants to know that it is a stressed
9 environment. I think Scott referred to something
10 good, which is the stressed environment impacts
11 markets that are outside of CCP's view. I think
12 the important thing that the Default Management
13 Committees or Active Default Management Committees
14 do, this is the importance of why we draw from
15 these resources is they give us a sense of what
16 does environment really mean outside the CCP's
17 view. So it gives us a sense of what is
18 available.

19 The resource constraint that was raised
20 is true, but it is the best of all the
21 alternatives available and coordination between
22 the CCPs is one way to resolve that. I'll also

1 give you another circumstance. When we plan our
2 drills, it's important to also pick in our case
3 the election, Greek election, was a period of
4 stress now. So conducting a drill at that time
5 was very informative, so we knew who would
6 participate and who couldn't and why some
7 institutions could not participate. So it gives
8 us under good circumstances a venue for
9 conversation to find out what are the real
10 stresses, especially when it comes to resources.
11 So that is my short answer to your question.

12 MR. KLOET: So we have about 15 minutes
13 left till our break -- oh, I'm sorry.
14 Commissioner, you have one more question?

15 MR. WETJEN: Thank you, just real
16 quickly. Emily, you mentioned a number of actions
17 that the CCPs can take on the road to default, so
18 before an actual default. You mentioned that
19 maybe one of the CCPs represented could answer.
20 It wasn't clear to me based on your comments, but
21 one of the things you said is that what can happen
22 is more frequent margin calls, and then you had a

1 variety of suggestions about other things that
2 CCPs might do that could be appropriate.

3 So my question is are those spelled out
4 in the rulebooks? Does it get into detail about
5 how frequent margin calls might be? It seems like
6 that might be kind of hard to do, but it wasn't
7 clear from your remarks, Emily, whether there's a
8 lack of transparency around that as well. So this
9 again would be actions taken by the clearinghouse
10 before a default.

11 MR. CUTINHO: I think I'll answer it
12 this way. It's important to make sure that CCPs
13 have flexibility in terms of tools. At the same
14 time, there is a lot of responsibility on CCPs,
15 especially to make sure that from a systemic risk
16 perspective, you don't make the matters worse. I
17 know Dennis pointed out this issue, but at the end
18 of the day what are the objectives of a CCP.
19 Think about it. If a CCP were to do or act in a
20 reckless manner in terms of frequent margin calls
21 are imposing a liquidity strain, then it will only
22 make matters worse for itself in terms of

1 resolving the default as well as creating an
2 unstable environment. To give you an historical
3 experience, and this is one of the things that we
4 should keep in mind, we have a regulatory
5 organization as a part of CME, our SRO. So we
6 interact on the event -- before we get to a
7 default, we interact very, very closely with other
8 organizations such as FINRA and the SEC as well as
9 the CFTC. So there is a lot of coordination
10 taking place at the onset.

11 There are new players such as FDIC and
12 the Fed. It is important to get that transparency
13 going ahead of time. Other CCPs who have the same
14 clearing member join these coordinated calls. The
15 objective of these calls is to make sure that we
16 act in a very coordinated manner and we don't make
17 the environment worse because sometimes default
18 management is not a cookie cutter approach. You
19 could get clients of a client book. You could
20 protect the clients; get the client book of a
21 clearing member in distress to a safe place well
22 before the default of the firm. So that's

1 something that has happened in our experience. We
2 have engineered these things without an impact to
3 the clients. And the clearing member in distress
4 also appreciates that because in some sense they
5 are selling some assets and getting the most value
6 they can get for these assets. But if CCPs
7 increase the distress or impact the market, they
8 will get less value and make matters worse for
9 themselves. So I think CCPs are cognizant of
10 that. We have a rich experience doing this. So
11 it's important to keep that into account.

12 Risk management cannot be restricted.
13 So trading restrictions is not -- I wouldn't say
14 it's trading restrictions. Risk management is a
15 responsible action, but it's important to do it in
16 a balanced manner. You want to make sure that an
17 institution that is progressing in distress at the
18 onset is not increasing its risks; it's reducing
19 risk. It is a continuum and there are different
20 stages of this continuum. So you want to get to a
21 place where they're controlling their risk and
22 overtime reducing the risk to a place where it is

1 manageable. Doing that in an orderly manner is
2 much better for the broader market. I don't
3 believe in restricting a CCP's capability to do
4 that, and these processes are not arbitrary.
5 They're done in a very organized manner and tying
6 a CCP's hands or asking for an enumeration of all
7 these actions, I don't think is the right
8 approach.

9 MR. WETJEN: I can agree to that. But
10 maybe back to you, Emily, were you suggesting that
11 there is a bit of lack of transparency around some
12 of the tools that could be deployed before the
13 default as well as is there not enough clarity in
14 the rulebook?

15 MS. PORTNEY: Well, certainly, I think
16 there could be more clarity and more transparency,
17 but I was probably also more trying to emphasize
18 the fact that a lot of the measures that a CCP
19 would take on the way to default are procyclical
20 -- so raising IM ultimately, increasing haircuts,
21 increasing the frequency in the number of times
22 that you're calling for margin. We should be

1 thinking about now in what isn't a stressed
2 environment whether, frankly, there are floors.
3 For example, we're all talking about in separate
4 markets like SEC lending, et cetera, whether there
5 are minimum haircuts. There's other measures you
6 can take now in a normal market that, again, might
7 not be the most popular, but can at least ensure
8 that it's not necessarily the actions that you
9 take on the road to default are procyclical. But
10 they'll be more conservative in peacetime.

11 MR. KLOET: Commissioner Giancarlo, did
12 you have a follow-up question to your earlier
13 question? Okay. Sunil, did you want to respond
14 to that?

15 MR. CUTINHO: Yes, I want to quickly
16 respond to a few things.

17 MR. KLOET: Okay, because I think Susan
18 had --

19 MR. CUTINHO: I can't speak for every
20 CCP, but CCPs should not change haircuts when
21 there is -- haircuts are associated with
22 collateral, liquidation of collateral, and they're

1 not associated with a specific institution. They
2 are broad based, so they don't end up changing
3 just because one specific institution or two
4 specific institutions have a problem. Let's take
5 the other view, like if institutions are having a
6 problem and the collateral that's being used and
7 its prices are volatile. Two things to keep in
8 mind are CCP's mark-to-market collateral on a
9 daily basis. As far as haircuts are concerned,
10 they are designed with stresses in mind, so you
11 take a stressed situation for this collateral.
12 Haircuts are designed to cover those stressed
13 circumstances. In fact, they are far more dynamic
14 than static haircuts that are set. So in our case
15 -- I mean Emily is right, there is liquidity
16 facility. When you work with banks on a liquidity
17 facility, you get a view into haircuts as well.
18 So if you use a liquidation agent in the market,
19 you get market color, and that gives you another
20 source of information to set your haircuts. So
21 haircuts are not institution specific.

22 In terms of margins, I know there's a

1 lot of discussion about procyclicality of margins.
2 The thing to keep in mind is -- and I have talked
3 about this coordination -- the objective of a CCP
4 when entering into is not to ratchet up the
5 margins. That is counterproductive. Margins
6 should be a function of the risk, not the credit
7 profile of the institution. That's the role of
8 margin. The margin should cover at the 99 percent
9 level in the liquidation period for the risks that
10 an institution has. If they change, they're a
11 function of the market, again, not institution
12 specific.

13 So the thing to remember about
14 procyclicality, the red herring argument here, is
15 margin versus -- actually I think it was pointed
16 out -- mark-to-market. I can see it's a function
17 of the moving market, so that can be procyclical,
18 but that is the nature of the market. Prices are
19 moving. There is volatility and as a result you
20 have mark-to-market. This is why we've got to be
21 very careful about this word "procyclical." There
22 are things that are procyclical and things that

1 are not.

2 MR. KLOET: Thank you. Susan, you've
3 had your card up for quite some time and I'd like
4 to let you ask your question or make your comment,
5 and then I'm going to move on to the next subject.

6 MS. O'FLYNN: It's more a quick comment
7 and it's just kind of I echo a lot of what Scott
8 and Emily have said here in relation to kind of
9 the dealer perspective, but I --

10 MR. KLOET: Susan, can you get the mic a
11 little closer? I want to make sure that people
12 who are listening elsewhere can hear.

13 MS. O'FLYNN: Better? Good. So I echo
14 a lot of what Emily and Scott said in relation to
15 earlier. I think it's the concept of identifying
16 what's fundamentally important here. We want to
17 reduce contagion, understand the
18 interconnectivity, and then understand the CCP's
19 response to that and how we create protections
20 within the market.

21 It's also -- and one thing that I didn't
22 think was identified -- is a lot of the large

1 clearing members are other types of institutions
2 than existed in 2007. They're better capitalized.
3 They have more liquidity. So there has to be
4 recognition of the fact that from a counterparty
5 risk perspective, some of the large systemic
6 institutions are in far better shape than they
7 were in '07.

8 It then comes back to ultimately
9 resources, and it's margin versus default fund
10 versus assessments. What's available? It's back
11 to Chris' point at the beginning, knowing the
12 numbers. And to me it just comes back to one
13 fundamental kind of theme that runs through all of
14 this, and it's transparency and kind of
15 comprehensive understanding around how each CCP
16 actually works. I think the industry is seeing
17 that there has been -- and what's happening that
18 the FIA is doing this year is the CCP rulebook
19 review. For me, being a user of that, it's been
20 very interesting for me to understand. It comes
21 back to -- on the path to default, what are the
22 powers that each different CCP has and how

1 proscriptive some of those are, or how implicit
2 they potentially could be. So it comes back to
3 kind of to me transparency, understanding kind of
4 the stress testing that each different CCP uses,
5 and potentially the role of this committee to be
6 able to design those stress tests with clearing
7 member input and regulatory input. So there is
8 kind of real understanding that we have created a
9 robust model.

10 And that's where I'm going to draw the
11 line because, as you say, we could on for hours.

12 MR. KLOET: Thank you, Susan. I'd like
13 to call on Mike Modlock from TriOptima because one
14 of the comments earlier on was about what we can
15 do -- what DCOs can do to either coordinate or
16 standardize their practices in order to better
17 address what would happen in a real-life default
18 scenario. I think you had some thoughts on that
19 and I'd like to ask you to share those.

20 MR. MODLOCK: Yes, good morning, and
21 thank you to the Commission for the chance to
22 serve on the committee. I've been asked to say a

1 few words specifically on the concept of risk
2 rebalancing for OTC derivatives between CCPs. And
3 as we've heard today, there are more CCPs and
4 multiple clearing venues.

5 The way that we see this is as an
6 opportunity to reduce systemic risk through the
7 rebalancing of counterparty risk exposures. So
8 what does that mean? Well, if we look at the
9 clearing venues today, given trade is often
10 determined to clear other CCP by the client,
11 potentially you could have a clearing member with
12 a relatively market risk neutral portfolio, but
13 it's spread across multiple CCPs so that's not
14 necessarily risk neutral at a netting set level.

15 This leaves the clearing members with
16 the task of managing that risk across multiple
17 venues. Additionally to that, we could consider
18 the fact that there are a number of products that
19 are not clearable and all the bilateral netting
20 sets that exist with nonclearing members, which
21 are numerous again.

22 The ability for a clearing member to

1 manage that risk, they can't offset the risk from
2 one CCP to another and there's no mechanism in
3 place at present for the CCPs to be able to
4 provide that to the members. So what we think is
5 the opportunity -- and highly benefits the default
6 management process specifically -- is we believe
7 that there's an opportunity to proactively
8 rebalance these exposures. In terms of how that
9 would help the default management process, we
10 think it could make it simpler, potentially make
11 it shorter. It's complementary to clearing. And
12 ultimately we believe that if you can help the
13 clearing members to be stronger by rebalancing
14 those risk exposures, then that leads to a
15 stronger set of clearing members at each CCP --
16 whereas it's been pointed out are not members at
17 all CCPs -- which, in turn, leads to a better
18 default management process, reduced contagion
19 risk, and improved financial stability.

20 MR. KLOET: Thank you. I know there are
21 some name cards in the air, but, unfortunately, we
22 are very close to out of time. So what I'm going

1 to do is go back to the question I referenced
2 before. In this case I also want to invite the
3 outer circle members to participate as well. I
4 may not be able to see all your cards, so you may
5 have to like raise your hand or something. I
6 don't think you have to stand up, but if you raise
7 your hand or something, I'll probably see you.

8 But the question -- and the Chairman
9 kind of teed this up in a sense as well. What I'm
10 thinking about here is we're laying a foundation
11 for future discussions, but what role, if any, do
12 you think the Commission should play in addressing
13 these issues? I think with this question what
14 we're particularly aiming at is, you know, is
15 there something that the Commission may be missing
16 in what they're doing today around these subjects
17 that they should be looking at? And I think this
18 is a question we will come back to later on as
19 well, but maybe it'd be good to take a little bit,
20 a couple of minutes, here before we break to get
21 people's views. I already see panelists going up.
22 So, Cliff, why don't I go to you first?

1 MR. LEWIS: Thank you. This is specific
2 to your query as to advice, maybe welcome or
3 uncongenial advice, to you people with a very
4 difficult job. I think, in fact, one of the
5 things that is a real challenge is not only are we
6 sort of fighting the last war, recognizing that
7 market structure is going to be very different,
8 not only are we setting up utterly unrealistic
9 scenarios that essentially could be characterized
10 as sort of canned goods and ammo kind of risk
11 management techniques where essentially the whole
12 system is collapsed -- and that's a scenario that
13 really you can't plan for inherently; it's why we
14 have a lender of last resort, in fact, in
15 situations like that. But the bigger issue I
16 think is the coordination and consistency of
17 government policy on the overall utility of these
18 markets, which the decision has been made to say
19 are going to be more important, in particular the
20 mandating of clearing. And I think there is a
21 pretty fundamental inconsistency between many of
22 the capital rules -- and the Chairman I think is

1 doing standup work on this -- but can the system
2 work with the regime that's being proposed in
3 terms of leverage ratios SIFI premiums?

4 And I think an honest answer would be
5 no, but at least that's a question that has to be
6 openly addressed by this committee, by others.
7 And if the answer is no, then I think the
8 Commission's responsibility is to help the
9 industry figure out what an alternative clearing
10 structure would look like. And to that extent all
11 of the comments that the clearing firms are making
12 are quite reasonable. You're saying hey, we bear
13 the cost, we bear the risk, we get a small
14 fraction of the upside for this. That will be
15 reflected in their willingness, as they said, to
16 accept portability. I mean is it feasible with
17 the liquidity rule to really expect a major
18 institutional user like BlackRock if JP Morgan
19 goes under, the answer is no. That won't be able
20 to happen. There's nothing that clearinghouses
21 can do to fix that problem.

22 So the question really is if you can't

1 get relief on some of these capital rules -- which
2 in my view would not sustain, could not sustain,
3 careful analysis as to their net consequences --
4 but if you can't change them, then I think we need
5 to have a long look at other regulatory changes
6 because essentially that will mean that market
7 participants will increasingly have to clear their
8 own business, which is not unprecedented in the
9 history of the markets. It's just not what's been
10 going on really since the crisis, really since
11 financial futures came in honestly is where the
12 distinction was.

13 So, again, a lot of things that the
14 Commission could do, if only to hedge -- pardon me
15 for invoking an industry term -- against alternate
16 futures. One of the things I would really
17 encourage -- and it's great to have Kristen and
18 others from the owner asset management community
19 here -- is to sort of query hey, what would make
20 you more able to use these instruments as you do
21 today, but with a model that would reduce the
22 dependency on bank intermediaries, particularly

1 given that systemically important bank
2 intermediaries may not be able to do this at an
3 economic price.

4 MR. KLOET: Thank you. Ed, I think you
5 had your card up. Does it relate to this
6 question?

7 MR. PLA: Yes.

8 MR. KLOET: Okay, please.

9 MR. PLA: Thank you. I think maybe in
10 response -- maybe the pithy answer to the
11 Chairman's question about what could the objective
12 be, I think maybe there are three principles that
13 we should consider in terms of greater
14 international coordination and fire drill
15 management: Standardization, I think this has
16 been raised multiple times; simplicity, I think
17 any of us who are in the industry as practitioners
18 who would reflect back on the last 6 to 8 years of
19 developments would probably agree that we're
20 living through a bull marketing complexity. And
21 complexity to me engenders fragility and fragility
22 is sort of the enemy of systemic stability by

1 definition. So I think anything we can do to
2 increase simplicity and predictability of what
3 we're doing internationally would be tremendously
4 beneficial.

5 So some examples might include things
6 like standardizing certain elements of CCP
7 rulebooks. We shouldn't be flipping through these
8 things in a crisis to remind ourselves what they
9 say. There should be a degree of consistency
10 around auction management, whether that's
11 communication or bid submission. The CME online
12 tool for doing this could be a template and there
13 could be others like that. So we should use
14 existing tools and see if we can build on those.

15 Standardization of elements of risk
16 management: So to the degree that defining risk
17 management principles is ultimately what protects
18 the system, some consistency around transparency
19 and the content of risk management principles I
20 think is beneficial.

21 And I think I'll probably leave it at
22 that -- maybe Treasury management practices at

1 CCPs, but I think, again, stability,
2 predictability, simplicity, I think all these
3 things would be great.

4 The second thing I'd say is that this
5 notion of dress rehearsals is absolutely
6 imperative and it's great that CCPs do them. But
7 what's changed also since 2008 is the fact that
8 CCPs are now tending to clear like products.
9 Previously you had systems of vertical integration
10 where you had certain contracts that were
11 copyrighted and executed and cleared in exchanges.
12 Now we have things like dollar interest rate swaps
13 that can be cleared in multiple jurisdictions and
14 multiple CCPs. That virtually guarantees
15 contagion given the small number of clearing
16 members.

17 So I think, again, we need to -- I know
18 it's a challenge because we have international
19 regulators and many different stakeholders -- but
20 I think we have to recognize that thankfully,
21 these things happen very infrequently. Crisis
22 management understanding and knowledge has a half-

1 life. It decays. Many of the people who lived
2 through Lehman or MF Global or Revco have moved on
3 in their positions or are not in the industry
4 anymore. So dress rehearsals in this kind of
5 international coordination provides a very
6 countercyclical booster shot of understanding and
7 predictability. So I think to Emily's point when
8 we talked about procyclical things, these sorts of
9 things or the principle might be, what are the
10 things we can do that are countercyclical that
11 protect us in advance?

12 And then the third I would say is
13 minimum thresholds for skin in the game not just
14 relating to CCPs, but it strikes me that given the
15 amount of conversation we're having about default
16 management and so forth, maybe there needs to be a
17 refreshed conversation about the adequacy of
18 initial margin. The beneficial owners who are
19 putting risk into the system incrementally
20 ultimately should be putting sufficient capital
21 behind that initiation of risk so that, hopefully,
22 we never get to the point where we're implementing

1 assessment rights and haircutting variation
2 margins and so forth. So, again, sufficient skin
3 in the game not just for CCPs, but beneficial
4 owners of the risk through a reexamination of
5 initial margin principles.

6 MR. KLOET: Thank you. Marcus Stanley,
7 I think you had your panel up.

8 MR. STANLEY: Thank you. This actually
9 relates to a lot of things Edward was saying, so
10 maybe it's a good point. I think that when we
11 think about this from the public interest
12 perspective, we have two real kinds of priorities.
13 One is that the price of derivatives in normal
14 times really reflects some of these tail risks
15 that can materialize. And the CFTC has only
16 limited control over that because some of the
17 margin and capital rules are also dependent on
18 other regulators. But the dependence on internal
19 models at CCPs I think can create a situation or
20 nonstandardized internal models can create a
21 situation where those tail risks are not genuinely
22 priced in. I was looking at an IMF simulation

1 that claimed to find that just changing the
2 portfolio netting assumptions from extremely high
3 portfolio netting just down to moderate portfolio
4 netting increased default potential, default fund
5 contributions, by tens to hundreds of billions in
6 a stressed market scenario. So these are things
7 in terms of detailed oversight of those internal
8 models that the CFTC can do.

9 And I think the second thing, which
10 follows on what Edward was saying, is that we
11 obviously can't price the entire tail in because
12 there are potentially unlimited liabilities here
13 practically. And we really have to standardize
14 the process of default. And I think clearinghouse
15 wind down in a way that is ex-ante very, very
16 clear to people, whether it's by trying to
17 standardize this process of default management
18 across clearinghouses, but also introducing some
19 kind of wind down and tear up process if an
20 auction has failed. If the portfolio cannot be
21 rebalanced, introducing that process in a clear,
22 quick, swift manner so people reach a point of

1 clarity, of what their actual situation is instead
2 of keeping these potentially unlimited liabilities
3 out there changing day to day. That certainty
4 could really be beneficial. Even if it means that
5 there are losses taken by market participants, at
6 least they know what those losses are. And I
7 think there's a real role for regulators in that
8 clearinghouse wind down, and I think that's much
9 preferable to a public backstop for
10 clearinghouses.

11 MR. KLOET: Thank you. Anat Admati.

12 MS. ADMATI: I want to echo some of the
13 comments about sort of reducing the procyclicality
14 by being better prepared. One thought, something
15 that didn't come up, but I urge the Commission to
16 look at, is the margin rules with respect to are
17 they uniform for participants because it seems
18 important that there are no presumptions made for
19 any participant, including the CCP and the others,
20 of bailouts. So to the extent that an end user
21 has a margin requirement, a systemic participant
22 should have the same margin. In the hypothetical

1 -- in service, a conceptualization of it, they are
2 not too big to fail in which case they would be
3 needing to really be in that game.

4 MR. KLOET: Bob, do you have a comment
5 on that particular point?

6 MR. WASSERMAN: Yes, just very quickly.
7 I should note there's concern about bailouts and
8 the like. Under our rules, under the PFMIs, all
9 credit exposures must be fully addressed within
10 the rules of the CCP. And so at the end of the
11 day the last stage is going to be something along
12 the lines of complete tear up and gains
13 haircutting to meet the resources.

14 MS. ADMATI: The problem of bailout is
15 only about the bailout alternatives. That's what
16 we're talking about. We have lenders who have
17 left because the alternative is worse and so
18 that's what I'm concerned with. It's not that we
19 have a rule that says no bailout, but that we
20 might not want to follow that kind of rule.

21 MR. KLOET: Okay. Sunil --

22 MR. MASSAD: Actually, can I just follow

1 up, though Bob, because I thought Anat's question
2 was going to the collection of margin from
3 participants and I don't think -- I mean our rules
4 require that a clearing member collect 100 percent
5 of the margin from participants, but I don't
6 believe the PFMI's say that, do they? And I don't
7 believe other jurisdictions' rules necessarily say
8 that.

9 MR. WASSERMAN: That's a fair point.
10 Essentially --

11 MS. ADMATI: These are mutualization of
12 losses? How is this conceived?

13 MR. WASSERMAN: So from a margin
14 perspective and was quite rightly pointed out, the
15 clearinghouse sets the margin requirements for the
16 members. Our rules require that more than 100
17 percent of that amount be collected from each
18 customer. Every customer, no matter how
19 creditworthy that customer may be, the member must
20 collect from that customer at least that amount
21 and in some cases it will be more. And likewise
22 the clearinghouse will be collecting from all of

1 their members, again, the same required amount.

2 Mutualization only comes after you run
3 through that margin of the particular participant.
4 And, indeed, certainly in the U.S. then as well
5 the skin of the game of the clearinghouse and as
6 well the default contribution of the defaulting
7 member such that at least in the U.S. -- and folks
8 have pointed out well, look, things have gotten a
9 bit more complicated since Lehman and that's quite
10 right. That said, historically the question has
11 not been gosh, how much of those mutualized
12 resources have we eaten into. Indeed, in the U.S.
13 historically we've never even gotten there. In
14 the Valukas Report on Lehman the question was
15 well, gosh, why haven't you given us more back?

16 So I think there's certainly room for
17 coordination around that, but I think so far
18 things have proven reasonably resilient. There is
19 certainly room as well to consider and
20 continuously improve this. I should note at an
21 international level there is going to be in the
22 coming months consideration about issues with

1 respect to margin and margin models, issues with
2 respect to stress testing. So there is going to
3 be a lot of work on there at an international
4 level by CPMI and IOSCO in the coming months.

5 MR. KLOET: Okay, well, unfortunately, I
6 know there's some more panels in the air.
7 Unfortunately, I have to cut off the discussion at
8 some point. We're well past time and, in fact,
9 we're encroaching into Andrew's time on SEFs. So
10 with that, let me thank everybody for a great
11 panel. I think, Commissioner, what we've tried to
12 do here today is really lay a foundation for
13 further discussions. I think we all knew we
14 wouldn't resolve all the possible default issues,
15 but I think what you've heard from the industry is
16 concerns, comments, and really a willingness to
17 help work with the Commission on how we can set a
18 framework to protect market integrity in a really
19 important way. I think the MRAC has continued
20 work to do as we work through this.

21 MS. BOWEN: We do.

22 MR. KLOET: I'll work with Petal on

1 thinking about some further discussions as we go
2 through this. Thank you for this afternoon.

3 MS. BOWEN: Thank you, Tom. You did a
4 great job moderating and the robust discussion,
5 that's the whole point of these advisory
6 committees. So thank you for speaking up.

7 MR. KLOET: I have a couple of just
8 logistical things. First, we're going to take a 5
9 minute break, so let's all be timely. Now, I will
10 say while everybody's rushing to the bathroom that
11 your nameplates, will be moved. So when you come
12 in don't be surprised if you're sitting somewhere
13 else because I will assure you, everybody,
14 including myself, is going to move. So we'll all
15 move and you might want to make sure you kind of
16 have your stuff gathered so you can grab it quick
17 because we are -- a lot of us have flights to
18 catch, but we want to get to the next panel as
19 soon as we can. So thank you everybody, 5
20 minutes, be back in the room and ready to
21 participate in the next panel.

22 (Recess)

1 press your button to activate your microphone when
2 you speak. This roundtable is being Webcast and
3 Audiocast and we can't hear you unless you speak
4 into the microphone. And then also when you're
5 done, please turn it off. And afterwards when we
6 open it up for general Q&A, please turn your tent
7 cards to the side if you would like to be called
8 on. With that let me start with Michael O'Brien.

9 MR. O'BRIEN: Thank you, and thank you
10 to the Commission for inviting me to participate
11 in this event today.

12 The question that I really wanted to
13 address was whether market structure has changed
14 from a trading perspective with SEFs. My response
15 to that question would be from my seat on a
16 trading desk on the buy side, nothing has really
17 changed. The way we execute trades and the market
18 structure and how we interact with the market has
19 not changed except it's become more expensive.
20 Both the explicit and implicit costs of trading
21 have certainly increased since SEFs were brought
22 into existence.

1 And the reason I say that is prior to,
2 or if I look back to September of 2013 before SEFs
3 formally came into existence, most of the trading
4 we were doing in the products that now have a MAT
5 designation was electronic. It was electronic on
6 a handful of platforms and the liquidity providers
7 were the banks. We would do it using an RFQ; it
8 would be RFQ to 2 or 3. We would execute the
9 trade and it would remain bilateral or clear, but
10 that's the way we were interacting with the
11 market.

12 If I fast forward to today, the primary
13 way that we interact with the market is the same
14 thing. It's for the most part the same platforms.
15 It's the same liquidity providers. And it's the
16 same trading mechanism, which is RFQ. So from
17 that standpoint, I would say nothing that we're
18 doing has really changed that much.

19 We still remain very optimistic that
20 some of what we viewed as the goals that SEFs were
21 intended to achieve, including additional
22 transparency, alternative trading mechanisms such

1 as order books or other things that may come up.
2 We certainly believe that the potential is still
3 there for those to happen in the right environment
4 and with some patience. It is true that the buy
5 side doesn't adopt anything new very quickly for a
6 variety of reasons. It's a very diverse group
7 with diverse investment and trading strategies, so
8 nothing comes quickly. But I certainly believe
9 that there are things that can be done to
10 encourage the buy side to adopt or to move in a
11 direction of what we hope SEFs will be able to
12 achieve. Some of those things we'll discuss
13 today. But to end just to come back to answering
14 the question, I don't believe that anything has
15 really changed with market structure with regard
16 to trade execution.

17 MR. LO: Thank you. Rana?

18 MS. CHAMMAA: I also would like to thank
19 the Commission and you, Professor Lo, and Petal
20 Walker for the opportunity to speak today. I just
21 want to make sure you can hear me correctly?
22 Okay, perfect.

1 Certainly I think we can completely
2 understand the position from the trading side. I
3 think it's important to note, however, that there
4 have been a number of positive impacts that have
5 resulted from the implementation of the CFTC's SEF
6 rules.

7 MR. LO: Rana -- sorry -- can you bring
8 the microphone a little bit closer to you?

9 MS. CHAMMAA: Yes, absolutely. Is that
10 better? Okay, thank you.

11 So as I was saying, there are a number
12 of positive impacts I think we should note that
13 have arisen from the implementation of the CFTC's
14 SEF rules. For one, the rules have created a
15 cleaner and more robust execution workflow. So we
16 now certainly have pre-trade credit checks and
17 straight-through processing, both of which are
18 critical in ensuring trades executed on SEF are
19 done so quickly and successfully and cleared
20 successfully.

21 The CFTC created a mandate for impartial
22 access on SEFs where all market participants

1 should be able to access every SEF and in
2 constructs. This mandate has allowed clients to
3 access markets that were previously only available
4 to the dealer community. Additionally, the SEF
5 rules provided clients with a variety of
6 alternatives on how they can access these new
7 liquidity pools, be it through direct
8 participation or through an intermediary agency
9 execution offering like the one we provided UBS,
10 UBS Neo, or even just looking at other asset
11 classes like futures in alternative ways and
12 connecting.

13 However, to echo what Mike O'Brien was
14 saying, more needs to be done to further solidify
15 the full implementation of the SEF rules. Our
16 clients find two particular items most critical,
17 post-trade name give-up and impartial access. I
18 can go on about those, but maybe I'll give Darcy a
19 chance.

20 MR. LO: Darcy?

21 MS. BRADBURY: Thanks. So trying not to
22 repeat what my colleagues have already said here

1 on the panel, I want to start by kind of going
2 back to first principles. We were very supportive
3 of the swaps reforms, in particular the focus on
4 central clearing. That was very important to my
5 firm and I think to most firms in reducing central
6 credit risk that we had from counterparties.
7 We're also pretty optimistic about the better
8 availability of data, some of which is going
9 directly to the regulators. And I realize there
10 are a lot of issues around the swap data
11 repositories, but nonetheless, I think as a work
12 in progress that's an important goal.

13 I think getting better information for
14 us to trade with is very important and that is
15 something that we see improving because of the
16 SEFs. You have the price screens. You can see
17 data now, which you didn't used to be able to see,
18 but I think the trading is probably the most
19 disappointing part of the reforms. I think that
20 the goal as envisioned by the Commission several
21 years ago when they embarked on this was a little
22 more revolutionary. And I think as Mike has

1 pointed out, we haven't really changed very much.
2 And in particular, we've ended with a bifurcated
3 market where you have a couple of
4 customer-to-dealer SEFs where basically that's the
5 only place the customers can trade. And then you
6 have the deeper pools of liquidity, the central
7 limit order books, at the interdealer broker SEF
8 platforms. And so we think overtime we would like
9 to have access to those interdealer SEFs. We'd
10 like to actually not have them be just
11 dealer-to-dealer, but in fact, have them all be
12 open to any customers and dealers. By doing so
13 we'll both get better information about what
14 pricing is, and we'll also get more competition
15 and be able to access deeper pools of liquidity.
16 And, hopefully, at times even be able to use
17 central limit order books instead of just the RFQ
18 process that's available on the customer-to-dealer
19 SEFs.

20 MR. LO: Great, thank you. So given
21 that you raised the issue of this two-tiered
22 system and the issues about liquidity, are there

1 any particular factors affecting liquidity that
2 you think can be changed in order to enhance
3 liquidity? Michael, you want to start with that?

4 MR. O'BRIEN: Well, for me the most
5 important thing is the development of order books.
6 Order books provide -- if it's an order book that
7 everyone has access to, so it's an all-to-all and
8 we move away from the dual structure model where
9 we have a dealer-to-dealer and a dealer-to-client
10 market where everyone can see the same information
11 similar to the way it works in the futures market.
12 That transparency could certainly help alleviate
13 some of these issues. Right now as I mentioned,
14 we're still in an RFQ world, which is the way it's
15 been for a long time.

16 The most important thing for us, though,
17 is we have executed trades in an order book, but
18 there's not sufficient liquidity for all of our
19 trades in the order book. We need more buy-side
20 participants in the order book. We need new
21 providers to alternative liquidity providers
22 besides the banks in the order book. And we need

1 more participation from the banks in the order
2 book to increase the liquidity there.

3 The biggest issue when I talk to my
4 colleagues on the buy-side is the issue of name
5 give-up. As an execution desk on the buy-side, if
6 we want to interact anonymously in the market,
7 which is one of the great benefits of an order
8 book, that's the way we want to interact. If we
9 wanted name give-up and we believe we'd get better
10 execution that way, we'd use the RFQ model, which
11 is something that is well established even in SEFs
12 at this point.

13 The challenge with name give-up for us
14 is in today's market you can execute a large trade
15 in swaps or CDX. I anticipate that as order books
16 become more liquid, you'll see a similar size be
17 able to be executed, but it will be in smaller
18 ticket sizes and more numbers of trades as we've
19 seen in other markets as it becomes more
20 transparent. That's the type of environment where
21 name give-up becomes a very significant issue to
22 me because as soon as I do my first small trade,

1 now I have information leakage into the market
2 about potentially what my intentions are. I can
3 speak for myself, but I suspect many other buy-
4 side firms feel this way, that's really a deal
5 breaker for executing on order books. And
6 speaking to other colleagues at other firms, I
7 think is a big reason why they're not interacting
8 with order books today.

9 MR. LO: So let's turn directly to the
10 name give-up issue then since that seems to be at
11 the heart of some of these concerns. Rana, you
12 have some thoughts on that?

13 MS. CHAMMAA: Yes, I would absolutely
14 agree with that. Post-trade name give-up is often
15 the number one hindrance to order book trading
16 amongst our clients. We certainly think that it's
17 an archaic and unnecessary practice. And with
18 regard to Mike saying how to attract a greater
19 number of market participants, that would probably
20 be the biggest proponent to that.

21 So I would also say there remains a
22 trading mechanism that is the traditional way to

1 trade in the swaps market, which is RFQ, whether
2 it's name disclosure. So in terms of thinking
3 about impartial access, attracting more
4 participants to SEFs, they should have a choice on
5 whether or not they want to remain anonymous and
6 in some cases potentially prevent information
7 leakage. So I would absolutely agree. That's the
8 number one cited reason for no greater adoption to
9 SEF order book trading.

10 MR. LO: Darcy -- Commissioner Wetjen?

11 MR. WETJEN: I didn't mean to interrupt
12 the flow there, my apologies. The panelists, all
13 of you, are suggesting that -- well, you're
14 suggesting one impact from eliminating this name
15 give-up practice is that you'd presumably get more
16 buy-side participation, but what would happen if
17 the Commission were to clarify that name give-up
18 were not permitted? What would happen with
19 respect liquidity forming in a CLOB or forming
20 perhaps even more in an RFQ? And maybe -- I guess
21 a follow-up question on that would be would that
22 be a temporary phenomenon or would you expect that

1 if temporary would reverse or would it be
2 permanent? In other words, people might want to
3 take their liquidity elsewhere, depending on the
4 immediate impacts of doing away with name give-up.
5 Help us understand those effects a little bit
6 better.

7 MS. BRADBURY: Well, I guess I would
8 make one comment about that in addition to the
9 effects you've described. There's a reason that
10 the Commission has to act here because this is a
11 very -- the interdealer broker market, it's very
12 competitive. There are four or five firms and
13 it's in some kind of death duel I think. I mean
14 it's obviously a very competitive industry. And I
15 think that it's very difficult for any one
16 platform to step up and say gee, if I got rid of
17 this rule, I'd get the buy-side on my platform.
18 That would create more liquidity. That would be
19 great because if some of their current clients
20 don't like it, then they'll all pretty easily --
21 they'll have the buttons on their desks. They'll
22 just pretty easily move their -- so it's a classic

1 thing. The first mover really can't act, and so
2 it's a case where the government, the regulator,
3 really needs to step in and say to all of them
4 look, you don't need to do this practice. It's a
5 legacy of when these markets were uncleared, when
6 you needed to know who your counterparty was.
7 That's not true anymore. So for the cleared
8 swaps, it's just not necessary. Let's get rid of
9 it and then see what competition does.

10 MS. CHAMMAA: I'd also actually address
11 that question specifically on kind of liquidity
12 and what may or may not happen. I think that
13 often there's a potential concern on whether the
14 traditional liquidity providers in this space
15 would pull back or whatnot. But I think that what
16 we need to note is that regardless, if nothing was
17 to take place and no changes were to be made, the
18 expectation is that liquidity would dry up anyway
19 considering the regulatory capital constraints
20 that will be impacting, and continue today
21 impacting, the liquidity provision amongst the
22 traditional dealer community. So it just

1 reinforces why, to Mike's point earlier, we need
2 alternative market participants who will also be
3 providing liquidity as and when that happens.

4 MR. LO: Rana Yared and then Marcus
5 Stanley.

6 MS. YEARED: Thank you, Professor. I
7 just want to comment on the concept of order books
8 and name give-up. So I'll start by saying that
9 for as long as I can remember, since maybe 2009,
10 Goldman has been an adamant supporter of order
11 books, what we call benchmark interest rate swaps,
12 to 5, 10, and in the cases of the U.S., 7, as
13 well. We've been agnostic as to whether or not
14 that developed in what I'll call a traditional OTC
15 form or whether indeed a future-like form, be it
16 deliverable or nondeliverable, came to pass. So I
17 start with this by saying that like the firm is,
18 in fact, very supportive of order book trading
19 around those points because we think it will have
20 the same positive effect that has been created in
21 the FY and TY on the future side.

22 That said, we have significant concerns

1 about the removal of name give-up. And the reason
2 for our concern is that we feel that the U.S.
3 market still continues to trade in a spreadover
4 manner and that there's substantial risk on those
5 package trades if we don't know with whom to
6 execute the Treasury like. So far the mitigants
7 for that risk that have been presented to us have
8 not been any less scary, so one of them is asking
9 the interdealer brokers to use their own broker
10 dealers to intermediate that risk to FICC, the
11 subsidiary of the DTCC. Another version of that
12 has been to simply hope that what we call the FICC
13 prime broker of nondirect members has done an
14 appropriate credit check in the same way that
15 their swaps clearing member has. There are not
16 equivalent standards on the FICC side for that and
17 so we're kind of living on hope in both cases.

18 So as long as we're in that world,
19 particularly for package trades, we get very
20 nervous about name give-up. It might be a bit of
21 a nuance in the market, which is there might be
22 market participants that are very supportive of

1 name give-up as a concept, but that the mechanics
2 of the market have not yet evolved to that. And I
3 would just note, I remember in February 2013, ICAP
4 Tradition and Dealerweb all turned on their order
5 books and like nothing was there. A year later,
6 there was quite a lot there and today on Infomat
7 there's even more there. And so I would hope that
8 we don't lose sight of the fact that the market is
9 learning how to deal with some of these challenges
10 and order book trading is growing as we hope that
11 it will.

12 MR. LO: Marcus Stanley.

13 MR. STANLEY: Thank you. I guess I'd be
14 -- it would feel like letting the tail wag the dog
15 to let the package trade issue drive the overall
16 name give-up issue. I mean we've had these
17 technical issues around package trades just with
18 making them available to trade. The truth is that
19 the swap itself is cleared. I don't understand
20 any reason why you're not directly exposed to the
21 credit of your counterparty on a cleared swap. I
22 would say we are somewhat mystified as to why the

1 Commission has not yet acted on this name give-up
2 issue.

3 As some of you know, we felt that the
4 Commission's original rules should have advantaged
5 order books more compared to what are almost
6 bilateral RFQs that don't really change the state
7 of play or the business as usual from before
8 Dodd-Frank that much. And to permit name give-up,
9 which frankly we see as something that would
10 enable discrimination by dealers against buy-side
11 participants who do use the order book, is really
12 problematic given the very clear mandate in
13 Dodd-Frank for impartial access.

14 Just to close on a general statement
15 about Dodd- Frank, I mean we have all this
16 verbiage in Title VII because the Commission is
17 mandated to change the market structure in what
18 were formerly bilateral over-the-counter swaps.
19 That's the whole reason that we have this mandate
20 to create SEFs in the first place. So let's make
21 sure that the rules there really do enable that
22 kind of liquidity and the kind of impartial

1 participation by both buy-side and sell-side and
2 the future-like exchanges that were envisioned in
3 Dodd- Frank.

4 MR. LO: Jerry Jeske.

5 MR. JESKE: I'm Jerry Jeske on behalf of
6 the Commodity Markets Council, a group of end
7 users from an energy and agricultural standpoint.
8 Just to follow up on what Marcus was saying, I
9 really don't believe rules can dictate how
10 liquidity works. So rule implementation has to be
11 done in a way that makes sense to the markets.
12 We're going down a bit of a rabbit hole in
13 connection with one asset class so far today --
14 interest rates -- that's it.

15 The rule set is applicable across the
16 commodity sector. So I think several commenters
17 have said one size doesn't fit all. I think Rana
18 pointed out the mechanics associated with the
19 marketplace are very critical, and I would echo
20 that. The mechanics associated with oil swaps
21 versus grain swaps versus natural gas swaps or
22 electricity swaps and interest rate swaps are not

1 the same thing. So when we look at how does a SEF
2 interact in this place, it's not an easy concept
3 to get across. Central order book isn't
4 appropriate across the board. If you don't have
5 liquidity that already exists in a certain locale,
6 voice brokers don't just flip a switch overnight
7 and become electric marketplaces. That's the
8 difference I think between the various types of
9 markets that have to be appreciated. So certainly
10 some thought is appropriate from the Commission as
11 to how does this apply across the gamut of the
12 commodity sector?

13 MR. LO: Nathan Jenner and then Steve
14 Berger.

15 MR. JENNER: Hi, can you hear me? I'd
16 just like to respond to a couple of points. I
17 think Jerry raised a good point in terms of some
18 of the asset classes do have different
19 characteristics that require different
20 consideration. So at Bloomberg for our SEF, our
21 order book is fully anonymous pre- and post-trade.
22 We don't use middleware in our order book for the

1 explicit reason to preserve post-trade anonymity.
2 That is how our order book works, and it was a
3 pretty simple decision for us because that is what
4 nearly all of our buy-side expressed as a desire.

5 But having said that, it's just been an
6 interesting observation to note that while
7 activity has grown dramatically, nearly all of the
8 activity has been concentrated in the index CDS
9 portion. Of course, our order book exists across
10 asset classes and it has the same characteristics,
11 but nearly all of the flow that we see -- and we
12 are predominantly sort of buy-side flow -- nearly
13 all of the activity is concentrated in the index
14 credit market.

15 MR. LO: Stephen?

16 MR. BERGER: From our perspective we
17 believe that the net impact on pricing and
18 liquidity from eliminating post-trade name give-up
19 would be overwhelmingly positive. By contrast I
20 agree with some of the points made, that the
21 consequence of inaction will be progressive
22 liquidity impairment in the marketplace. I think

1 it's well documented that there are constraints on
2 traditional liquidity providers in the market and
3 they're only going to grow sharper going forward.
4 And so the solution to that to us seems to be to
5 open up the modes of interaction that can occur in
6 the marketplace.

7 I think there's always going to be names
8 disclosed RFQ, but that can exist alongside truly
9 anonymous central limit order books. I think the
10 structure we have today confines any buy-side
11 market participant to a permanent price taker
12 role. And I think the overall liquidity profile
13 of the swaps market will be enhanced if any
14 participant can make as well as take a price.
15 That's a structure that's worked well in a number
16 of other -- it's how the equities markets work,
17 it's how the futures markets work. And so when
18 you have anybody being able to make as well as
19 take a price, you increase the diversity of
20 liquidity provision in the marketplace and we
21 think that will overall have a positive impact on
22 the breadth and depth of liquidity that's

1 available. That's going to be the solution to a
2 challenge that we're otherwise fearful of, which
3 is a constraint among the appetite of the
4 traditional liquidity providers to continue to
5 service the market.

6 I think it's true. It's not one size
7 fits all. I mean I think a lot of this discussion
8 is focused on the MAT product set within the
9 interest rate swap and credit default swap space
10 right now. I think there are certain challenges
11 with respect to package transactions, certainly
12 package transactions that are all cleared swaps,
13 so outrights as well as curves and butterflies. I
14 don't think there's any particular challenge to
15 eliminating post-trade name give-up. I think
16 there are solutions that are being developed,
17 which could solve the anonymity problem for
18 spreadovers. Two of them were alluded to. I
19 don't think they're fundamentally flawed, so you
20 can have the broker-dealer affiliate of a SEF
21 intermediate the Treasury leg and preserve
22 anonymity for that trade flow. You can also have

1 clearing relationships just as you do for swaps to
2 access FICC.

3 So those are both solutions that can
4 work. I'm not saying they'll work tomorrow, but
5 there's no long-term barrier to those being
6 solutions for the spreadover market. And I think
7 if you solve spreadover Treasuries as well as
8 curves and butterflies, you've solved most of the
9 package transaction issues or at least the biggest
10 chunk of that volume.

11 And then finally, just to Commissioner
12 Wetjen's point, I guess I'm not fearful that
13 people will just pick up and take their liquidity
14 elsewhere because I don't think the interdealer
15 market will suddenly go to RFQ and start RFQing
16 each other. So I think interdealer liquidity
17 would stay on the order books and it would just be
18 enhanced by additional participation.

19 MR. LO: Luke Zubrod?

20 MR. ZUBROD: So Chatham Financial is an
21 adviser to end users. We work with both financial
22 and nonfinancial end users. Of course, the

1 nonfinancial end users are not presently using
2 SEFs. With respect to our financial end user
3 clients, they range in size from those who use
4 smaller volumes to those who use larger volumes.
5 And certainly amongst all of them, they're using
6 derivatives to hedge idiosyncratic risks. And so
7 our use of SEFs has focused on interest rates.

8 What we've found because we've evaluated
9 all of the interest rate SEFs and are working with
10 a couple of them. We're primarily executing swaps
11 on a single one of them. And because we're
12 intermediating swaps on behalf of end user
13 clients, what the dealer counterparties that we
14 show our trades to through the RFQ platform see is
15 our name, Chatham Financial. They don't see the
16 name of the client on whose behalf we're trading.
17 And so in effect they're sort of transacting on an
18 anonymous basis. The only piece of information
19 that dealers have to make their decisions about
20 how to price our trades is based on our name, not
21 based on our client's name.

22 And what we've found is that that's been

1 a very positive thing for particularly our smaller
2 volume users because dealers have to price those
3 trades just the same as they would for larger
4 clients on whose behalf we trade. And so I think
5 you can kind of line up the analysis based on is
6 it a smaller volume or a larger volume hedger. I
7 think because it's a hedger, RFQ is kind of the
8 natural platform to transact those kinds of
9 trades. And I don't think even if the order books
10 became very liquid that those would be a natural
11 venue for managing the risks of hedgers.

12 But then I think for the larger volume
13 clients, we haven't seen any negative impact on
14 their pricing as a result of SEFs. If anything,
15 it's been positive. It's been more efficient.
16 For smaller volume hedgers, it's been oftentimes
17 much more efficient in particular because dealers
18 don't have the ability to differentiate their
19 pricing based on their size.

20 MR. LO: John Nixon, Rana, and then
21 Sebastiaan.

22 MR. NIXON: As an operator of one of the

1 SEFs, I actually find some of the comments quite
2 interesting. Rana did say and I agree that the
3 evolution of the central limit order book and the
4 interest rate swap market has taken a period of
5 time, but it is definitely growing and going in
6 the right way. On any given day at least 20
7 percent and sometimes 30 or 40 percent of our
8 trades are being done on the central limit order
9 book. Clearly, we do feel and have seen in our
10 Treasury platforms or our FX platforms the more
11 entities that you get onto a platform trading
12 electronically, the more liquidity that you build
13 and I think the better execution people will get.

14 I'm encouraged to hear that there are a
15 lot of buy-side who feel that coming onto the
16 central limit order book and trading in interest
17 rate swap markets is what they believe is the
18 right direction for them to go. I would say that
19 to this day that has not necessarily been the case
20 in practice. There has not been as much demand I
21 would say from the buy-side for them to come onto
22 our platforms. Michael, as you said, the buy-side

1 often moves relatively slowly in making its
2 changes. If its time has come, if the time is
3 now, it will be interesting. I think that if you
4 need the CFTC to opine on the anonymity and make
5 that decision and that's going to help grow our
6 markets from a participant perspective, I think
7 that that's probably the right direction for us to
8 go. But I will say that so far, we have not
9 necessarily seen as much of a push as we would
10 have thought we would have had two years ago from
11 the buy- side to participate in our platforms.

12 MR. LO: Rana?

13 MS. CHAMMAA: I'd actually like to say a
14 few words with regards to the last two comments.
15 So I think that we're in a fairly unique vantage
16 position considering that we offer intermediary
17 agency execution services to our clients to the
18 SEFs. And I would comment and say that
19 potentially the demand that you have seen as of
20 late or historically hasn't been as large as we'd
21 all want because of this post-trade name give-up
22 impediment. So really we know from several of our

1 clients are currently sitting on the sidelines
2 wanting to execute on SEF central limit order
3 books, but are holding off because there's not
4 pre- and post-trade anonymity.

5 And further on, just with regards to the
6 actual size of the clients and how much they're
7 hedging or whatnot, I would suggest that that is
8 all the more reason to actually allow even smaller
9 buy-side participants to participate on central
10 limit order books because of the fact that they
11 may not be getting better pricing by RFQ and
12 certainly in the future wouldn't be because of
13 their size.

14 MR. LO: Sebastiaan Koeling and then
15 Marcus Stanley.

16 MR. KOELING: Thank you. So I'm
17 representing the Proprietary Traders Group here
18 and that's a group of 20 or so market makers in
19 the futures and equity spaces. And we are a group
20 that is actually part of this buy-side interest to
21 join this. Back in 2013 when this swap execution
22 facilities model came out, we were very

1 enthusiastic about it because we believe strongly
2 in transparent markets, possibilities to compete
3 with traditional players in these markets, and we
4 would think that that would lead to better pricing
5 for end users. Unfortunately, there were a couple
6 of things that made it harder for us to
7 participate in these markets. First of all, we
8 had some larger problems with having to register
9 as a swap dealer and those things led to
10 relatively large capital inefficiencies.

11 And then I'd like to echo some of the
12 statements that were made with regards to the
13 central limit order book possibilities for market
14 makers like us. Unfortunately, this bifurcated
15 market that still seems to exist does not help for
16 us to actually participate in these markets
17 because we'll also end up more on the
18 dealer-to-customer side where the only possibility
19 for us is to be a price taker rather than a price
20 maker, what would be our traditional role if we
21 were to do what we normally do.

22 So with regard to that, we are still

1 hopeful that it would move towards a central limit
2 order book. And I would like to make the
3 statement that there are definitely more market
4 makers out there that are interested to provide
5 liquidity, especially as that was also pointed out
6 as a problem potentially with the new capital
7 rules that are coming out that banks might
8 actually drop out as being liquidity providers.
9 So we think that the need for us to come onboard
10 would be there as well, both for competition
11 pricing as well as the general need for liquidity
12 in the SEFs.

13 MR. LO: And can I ask what your sense
14 of name give-up would be in terms of enhancing
15 liquidity?

16 MR. KOELING: Sure. I think name
17 give-up is also one of the things that I think is
18 a problem, but I wanted to mention a couple of the
19 other ones as well because I think a large part of
20 the things that name give-up have been mentioned
21 actually.

22 One thing I'll add is with regards to a

1 lot of strategies that trading firms use as
2 regards to market making. People have their own
3 specific way of how they want to trade and
4 post-trade name give-up obviously gives away some
5 of the strategies used to price your products and
6 to actually -- it also gives away some of the
7 positions that you may hold in regards to the
8 swaps that you've traded, which does not help you.
9 It actually came up in the previous discussion as
10 well with regards to the auctions of specific
11 positions. If other parties know what your
12 position is, there is a risk there. I think that
13 also exists in post-trade name give-up, which
14 doesn't seem to be necessary because the trade is
15 always done with the central counterparty in terms
16 of cleared swaps.

17 MR. LO: Marcus and then Jerry.

18 MR. STANLEY: Well, I've said our piece
19 on name give-up and we favor the Commission
20 banning it, but I wanted to just add a few more
21 things. First of all, we're concerned that the
22 Commission's cross-border position has permitted

1 the routing of significant business by U.S.
2 Entities to Europe where there does not exist an
3 exchange trading requirement as yet. The exchange
4 trading requirement has not been implemented and
5 will not be implemented until 2017. We don't
6 believe that compliance should permit basically
7 the substitution of a nonregime for a regime.
8 It's intended to permit comparable regimes to be
9 substituted for each other. We believe that if
10 the Commission took a stronger position on some of
11 these cross- border issues, then it would channel
12 more liquidity into U.S. exchanges when traded by
13 entities that are affiliated with U.S. banks or
14 have a U.S. nexus.

15 And just second of all, I think this is
16 probably known to you guys, but just to remind
17 people. We really feel there are very substantial
18 systemic risk externalities to encouraging clear,
19 transparent exchange trading where there's
20 significant liquidity and where a wide variety of
21 participants can act as both price takers and
22 makers. We heard one from Sunil Cutinho in the

1 previous panel where he said that when you have
2 deep exchange traded instruments, these are much,
3 much easier to manage those risks in the event of
4 a clearinghouse failure. So you would be taking
5 OTC derivatives and making them easier to manage
6 in a systemic risk event. And you're also
7 increasing the possibility of potential
8 counterparties in the event of a major dealer
9 failure, which was one of the problems that we saw
10 during the financial crisis. So I kind of feel
11 like exchange trading has become a bit of the
12 orphan of Dodd- Frank, but it's actually a very,
13 very important piece of the puzzle for wider
14 systemic risk reasons as well.

15 MR. LO: So we're running out of time,
16 so Jerry and Mike will be next. But in getting
17 ready to wrap up, let me ask the panelists to
18 consider one final point, which is what the role
19 of the CFTC is in mandating some of the issues
20 that we've been discussing. Clearly, if the CFTC
21 were to ask all of the trading to occur on one
22 exchange, we would obviously have lots of

1 liquidity or more liquidity, but that would create
2 huge problems in terms of the bespoke nature of
3 this market. In Commissioner Giancarlo's White
4 Paper, he pointed out a number of important
5 features about swaps markets that make them
6 heterogeneous and difficult to fit into one
7 particular format and I've heard that from a
8 number of you.

9 So if you can comment a bit on what you
10 think the SEC should be doing in terms of dealing
11 with these markets, that would be helpful.
12 Already some of you have, but for those of you who
13 haven't. Jerry?

14 MR. JESKE: Andrew, I'll try to address
15 my comments to that point. I think you meant the
16 CFTC.

17 MR. LO: Sorry.

18 MR. JESKE: But in terms of what can be
19 done, I was going to pick up on Sebastiaan's
20 comment. Some of the collateral damage that has
21 already been done by some of the rulemakings is
22 something that the Commission can consider, such

1 as how or what incentives does one have to become
2 a market maker, to create liquidity on a SEF? Are
3 there incentives or are there disincentives such
4 as rule 1.35, such as the prospect of becoming a
5 swap dealer. These cost lots and lots and lots of
6 money. So if I'm a market maker, do I really want
7 to have all these high entry costs to become a
8 participant in a SEF marketplace?

9 Another thing that's out there still and
10 to my knowledge hasn't been settled is the rule
11 sets for the SEFs. As a legal compliance person
12 reviewing voluminous documents from various SEFs
13 knowing that those documents are going to change
14 as far as the rule sets for the SEFs based on what
15 the Commission opines upon one way or another,
16 that is time consuming and is something that
17 should probably be considered as well in terms of
18 the horizon of time and when implementation should
19 or shouldn't occur across asset classes.

20 MR. LO: Michael?

21 MR. O'BRIEN: I just wanted to spend a
22 moment commenting on the idea of the buy-side

1 demand for central limit order books. I believe
2 that the buy-side does have interests in central
3 limit order books even if they're not calling SEFs
4 and they may not be talking to their dealers. As
5 an asset manager, the primary business is managing
6 money. So you look towards how can I execute this
7 in the most efficient way currently available?
8 Well, yes, that today is an RFQ because there are
9 many constraints on the order book that are just
10 not acceptable for a buy-side trader looking to
11 execute a trade.

12 And so I'm happy for there to be a
13 market-led decision on whether the buy-side's
14 going to continue with RFQs or order books if the
15 order books are free of constraints and are
16 competing without an arm tied behind their back.
17 If the buy-side still doesn't come, then okay, the
18 market has spoken. But right now the competition
19 isn't fair. The RFQs are well established. The
20 order books don't function even like order books
21 in other markets. So what I would ask the CFTC to
22 do is to make that a fair competition and see

1 where the market leads.

2 MR. LO: Stephen?

3 MR. BERGER: One additional point I
4 wanted to note, and I think Rana alluded to it at
5 the start. The foundation's already been set for
6 this next stage of the evolution of the swaps
7 market structure. The CFTC's rules on
8 straight-through processing really established the
9 right execution to clearing workflow for order
10 book trading to evolve. So trades are routinely
11 now when executed on SEFs accepted for clearing
12 within seconds, and every order that goes onto a
13 SEF has received a pre-execution credit check. So
14 the standing of any order in the marketplace on a
15 SEF, irrespective of who's placing that order, is
16 the same. There's already a clearing guarantee
17 behind it to ensure that it's going to be accepted
18 by a DCO for clearing.

19 So we've accomplished a lot and this is
20 now just the next step to take what we've
21 accomplished in building the right execution
22 clearing workflow and allow that to start to

1 improve the market structure that exists for
2 trading swaps.

3 MR. LO: Darcy?

4 MS. BRADBURY: I'll just mention that
5 when the CFTC allowed the SEFs to really get
6 going, there was no comprehensive review of the
7 SEF rulebooks. And I think what we kept hearing
8 repeatedly from staff when we would go meet with
9 them and discuss issues is tell us what the
10 problems are. If there are specific rules, we
11 don't necessarily have the resources to do a
12 comprehensive review of all the SEFs, all their
13 rulebooks, but if there are specific problems,
14 bring them to us and we'll try to address them.

15 So I hope that's really what we're doing
16 with this forum. And I very much appreciate,
17 Commissioner, for creating the opportunity. This
18 is a very specific rule that we think is really
19 impeding competition and impairing open access,
20 and I think it'd be great to see what happens.

21 MR. LO: Great. Well, we're out of
22 time, so I want to thank all of the panelists for

1 participating and thank Commissioner Bowen for
2 giving us the opportunity to talk about these
3 issues and the CFTC for giving the opportunity to
4 deal with these issues as they arise. Thank you.

5 MS. BOWEN: Thanks, everyone, and
6 particularly to the MRAC members for your time and
7 your travel and your focus on today's issues. We
8 have a lot of work to do, and I look forward to
9 it, to work with all of you. Obviously, for the
10 public that's out there, we want your ideas and
11 suggestions as well, but great job. Thank you so
12 much, Andrew. Thank you so much, Tom. Have a
13 good day.

14 MS. WALKER: The meeting is now closed.

15 (Whereupon, at 1:30 p.m., the
16 PROCEEDINGS were adjourned.)

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