

UNITED STATES OF AMERICA
COMMODITIES FUTURES TRADING COMMISSION

PUBLIC ROUNDTABLE TO DISCUSS RISK MANAGEMENT
PRACTICES BY COMMODITY POOL OPERATORS

Washington, D.C.

Tuesday, March 18, 2014

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

2 MR. BARNETT: Okay. Thank you very
3 much. So, we just got an interesting piece of
4 information, which is that they're testing the
5 fire alarm system in the other building and so
6 they've turned it off and we shouldn't hear
7 anything, but if in the testing they accidentally
8 turn it on, we're not supposed to freak out and
9 run, but our security folks will tell us when
10 there's a real thing and then we'll run for it.

11 All right, so, just in case.

12 MR. ROBBINS: That's risk management,
13 right there.

14 MR. BARNETT: We've got a couple empty
15 seats so maybe we'll wait one more minute, okay?

16 Okay, we're going to get started. So,
17 good morning, everybody. And after yesterday's
18 closure due to another snow day -- I think I'm
19 going to have kids going to school until July the
20 way it's going -- we're really glad you were able
21 to come today to lend your expertise to this
22 discussion about risk management practices by

1 commodity pool operators.

2 My name is Gary Barnett, I'm the
3 Director of the Division of Swap Dealer and
4 Intermediary Oversight, or DSIO. That's the
5 CFTC's operating division that has oversight
6 responsibility for CPOs and CTAs.

7 My colleague --

8 MS. OLEAR: I'm Amanda Olear. I'm the
9 person that most of you spoke to on the phone. I
10 am an Associate Director in DSIO and my team's
11 primary responsibility is the regulation of CPOs
12 and CTAs.

13 MR. BARNETT: And we know from our
14 discussions with industry participants that risk
15 management is becoming an increasingly important
16 topic for investors and managers and that risk
17 management practices are being implemented and are
18 developing. So, we look forward to hearing from
19 you and from these industry experts about the
20 current status of the market in terms of risk
21 management by funds or commodity pool operators.

22 Before we can get started with the core

1 principle topic today, let's cover a few
2 housekeeping items. First, the schedule and the
3 agenda, you know, the first part, let's make sure
4 our cell phones and Blackberries are on vibrate,
5 take calls outside the doors, sound travels pretty
6 well in this room.

7 The bathrooms are all the way in the
8 back. I ran into somebody headed there earlier.
9 It's not -- you go out, you go to the back, and
10 it's all the way in the back. If you stop before
11 in the kitchen area you'll think it's not there.
12 Anyway, you go all the way to the back and then
13 turn left.

14 Our schedule today contemplates three
15 sessions, the first one, we're going to start
16 right away, we'll be looking at risk management
17 practices in direct investment funds, and we'll go
18 from now until 11 and we'll take a 15 minute
19 break, and then we'll return for about 30 minutes
20 to finish up our first session.

21 And then we'll return for a shorter
22 45-minute period to focus on fund of funds and we

1 think they have the same sorts of issues plus
2 more, and so we thought we should do a little
3 breakout on that to hear about those issues as
4 well.

5 Then we'll take an hour lunch -- we'll
6 take an hour break for lunch, and then we'll turn
7 to a session where we compare the experiences
8 we've heard about and we'll try to see whether
9 there's similarities, differences, takeaways that
10 we could get from that, best practices, what view
11 of the future, that sort of thing.

12 MS. OLEAR: When you're speaking, to use
13 your microphone, you press the button. When your
14 microphone is live, the red light will come on.
15 When you're finished speaking, just press the
16 button again.

17 MR. BARNETT: Thanks. Okay, so let's go
18 around the table. Let's start here. And maybe
19 briefly introduce yourselves and your institution.

20 MR. LLOYD: Sure. I'm Tom Lloyd, I'm
21 the general counsel with Campbell & Company.

22 MS. KAISER: Heidi Kaiser. Deputy

1 general counsel, chief compliance officer at
2 Campbell.

3 MR. PRADEL: Phillipe Pradel. I am a
4 fellow at Campbell.

5 MR. FELSENTHAL: Steven Felsenthal,
6 general counsel and chief compliance officer at
7 Millburn Ridgefield Corporation and its
8 affiliates.

9 MR. PENNINGTON: Hi. Warren Pennington.
10 I'm a principle at Vanguard Group.

11 MR. MITAL: I am Manish Mital. I'm
12 general counsel at Halcyon Asset Management. We
13 are a alternative asset manager managing about \$13
14 billion in hedge fund and CLO assets.

15 MS. PLAVAN: Hi. I'm Katie Plavan. I
16 head our investor relations effort at MKP Capital
17 Management. MKP is a diversified alternative firm
18 founded in 1995 and manage over \$8 billion in AUM
19 across two core strategies, credit and global
20 macro.

21 MR. LANDO: I'm Dov Lando. I'm the
22 general counsel and chief compliance officer at

1 MKP Capital.

2 MR. SPILLANE: I'm Todd Spillane. I'm
3 chief compliance officer for Invesco Advisors and
4 for the Invesco funds.

5 MS. TORTAROLO: I'm Nicole Tortarolo.
6 I'm head of investment structuring at UBS
7 Alternative and Quantitative Investments and we're
8 a fund of hedge funds.

9 MR. NICHOLAS: I'm Jay Nicholas. I'm
10 global head of operational due diligence at UBS
11 Alternative and Quantitative Investments. We're a
12 \$29 billion fund of fund.

13 MR. ROBBINS: I'm Greg Robbins. I'm the
14 chief operating officer for Mesirow Advanced
15 Strategies. We're a \$13.5 billion fund of funds
16 with offices in Chicago, London, and Hong Kong.

17 MS. RODRIGUEZ-AYALA: I'm Emma
18 Rodriguez-Ayala. I'm the general counsel at
19 Mesirow Advanced Strategies.

20 MR. BARNETT: Thank you all. All right.
21 So, I guess to -- we've worked out of our
22 questions here. So, to start our conversation,

1 let's go around and each -- and ask each -- one
2 speaker from each group, I guess, or they can join
3 each other -- from each institution, let's talk
4 and get a picture of -- an overview of your
5 business structure and maybe the governance
6 structure for that business, composition of the
7 governing body, and then the types of risks that
8 that business structure creates and how those
9 various types of risks are addressed.

10 So, basically an overview of the kind of
11 business, governance, just high level, how do you
12 do it and what do you think about, and then the
13 types of risks that that business process
14 generates that you look at, and then how do you
15 address those risks. Okay? And we can take our
16 time, but let's go through each institution then.
17 I'll turn it over to you, Tom.

18 MR. LLOYD: Sure. Thanks. Campbell &
19 Company is a commodity pool operator and a
20 commodity trading advisor, obviously registered
21 with the CFTC, NFA member. We also have a
22 wholly-owned subsidiary that is an SEC-registered

1 investment advisor and a subsidiary that is a
2 FINRA- and SEC-registered limited purpose broker
3 dealer.

4 So, the -- we've generally categorized
5 the type of risks that we look at everyday as sort
6 of one category being regulatory, sort of
7 compliance, risks, operational, counterparty
8 investment risks, human capital, and then sort of
9 to sum it all up, strategic or reputational risk.

10 From a governance standpoint, you know,
11 we are a -- we're a closely-held corporation, so
12 we have a, you know, a board of directors
13 consisting of, you know, owners and officers of
14 the company, and we have an executive committee
15 that consists of ten people, including the
16 chairman of the board, CEO, president, and heads
17 of each of the sort of business groups. I'm on
18 it. The head of trading, two heads of business
19 development, different divisions, and research,
20 CFO, and CTO, chief technology officer.

21 MR. BARNETT: Great. Okay. Thank you.

22 MR. LLOYD: Thank you.

1 MR. BARNETT: Go around?

2 MR. FELSENTHAL: Okay. Milburn
3 Ridgefield Corporation has, not necessarily by
4 that name, but we have been around since 1971,
5 which makes us one of the oldest -- as far as I
6 can tell -- one of the oldest CTAs, CPOs around.

7 We are also closely-held, so we are
8 owned and operated by the same people. There are
9 seven shareholders who form our executive
10 committee and then on a day-to-day basis we're
11 also managed by a management committee, which
12 includes the various senior level people including
13 the executive committee members and people -- and
14 the other people who are head of core areas of our
15 business. And the reason we have that structure
16 is because we want to make sure that people who
17 are actually implementing things on a day-to-day
18 basis have an understanding, one, of the entire
19 firm and how it works and what the interplay is
20 between the various groups, and to facilitate
21 communication. You'd be surprised how much you
22 miss if you don't actually meet in person and

1 force everybody to talk every once in a while,
2 you'd be surprised how much you miss. And that --
3 and the reason I'm making that point is that leads
4 very well into the risk discussion because if you
5 have adequate communication and you understand
6 what every line of business you have is doing,
7 then you can properly identify risks and aside
8 from the general rule of "follow the money", which
9 is everybody's colloquial way of saying, you know,
10 that's how you find your real risks because the
11 real thing -- the real temptation is to steal
12 money, but there are lots of other kinds of risks.

13 So, I use that as a platform in which I
14 can -- I listen carefully -- in which I can
15 identify risks and ask people questions and try to
16 think about.

17 And then I sit down with the business
18 people and actually try to identify, you know,
19 aside from identifying the risks, okay, what do
20 you think is a good way to discuss -- you know, to
21 address these risks, to mitigate them, and to test
22 them? And I involve everybody in the firm in that

1 kind of identification process and the testing
2 process itself.

3 So, that's a general overview of that
4 area, but we're also a, you know, registered
5 investment advisor with the SEC so we also have
6 those issues that are unique to SEC-registered
7 firms, and a lot of them, you know, I find more
8 and more that the types of risks that you're
9 concerned about, even from a regulatory
10 perspective, even from a legislation -- even from
11 a statutory perspective, are very much the same a
12 lot of the time or if they're not statutory in one
13 area, they're something that you should be
14 considering anyway.

15 So, in terms of dual registrants, I
16 think there's -- tends to be more and more
17 convergence than overlap. We are also have an
18 affiliate that's registered with the FCA in the UK
19 and, you know, again, you know, I find that
20 there's very little that between the CFTC and the
21 SEC, there's very little additional -- there is
22 some -- that I have to do for FCA kind of risks or

1 UK or EU. You know, there are some, but you know,
2 those types of risks, other than the statutorily
3 prescribed things, which tend to be different, but
4 a lot of the same concerns are being talked about
5 over there as well.

6 So, you know, that's my overview.

7 MR. BARNETT: Great. Thank you.

8 MR. PENNINGTON: I'll go for a couple of
9 minutes just to give you a perspective on --
10 Vanguard is one of the largest mutual fund firms
11 with over \$2.6 trillion in assets under
12 management. The perspective we bring reflects the
13 nature of the firm as well as our shareholders.
14 We are shareholder-owned. The structure of our
15 firm is that the funds own Vanguard.

16 We've been a pioneer in index mutual
17 funds. We currently offer open-end funds, ETFs
18 and fund of fund structures. And they're both
19 active in index strategies, but almost all the
20 assets that we manage are in funds registered
21 under the '40 Act, the Investment Company Act of
22 1940.

1 The governance structure we have in
2 place reflects that shareholder perspective. We
3 have over 18 million shareholders. They range
4 from over 80 years old, a substantial number of
5 them, and an equally substantial number are under
6 the age of 21, so that gives us four generations
7 of shareholders from people who've lived through
8 the Great Depression to the newest generation that
9 has witnessed the global financial crisis and
10 watched that.

11 Our structure reflects the fact that
12 they've hired us to invest according to the
13 objectives that we've published in the funds, and
14 they also expect us to manage the risks associated
15 with the operation of the capital markets. So,
16 we've provided a fund schematic that gives kind of
17 the typical fund risks that are out there, that's
18 one of the things to the staff of the CFTC. I
19 would echo the comments of the earlier folks here,
20 Steve and others, you know, the regulatory
21 requirements that are in place from the Investment
22 Company Act cover quite a few risks that we

1 manage. There are requirements around daily
2 mark-to-market valuation, liquidity requirements,
3 the requirement for daily redemptions, and a
4 structure which has an independent board of
5 directors over our funds.

6 In addition to that, as an advisor -- as
7 the investment advisor -- we're also subject to
8 the Investment Advisers Act, which has other
9 requirements around it that give us some risk
10 management alternatives, things like reporting and
11 recordkeeping requirements, segregation of assets,
12 and anti-fraud provisions.

13 I would like to point out that
14 Vanguard's mutual funds, as well as our collective
15 trusts, are actually exempt from CFTC registration
16 under Rule 4.5 exclusions, so that forms part of
17 the discussion here. So, we appreciate the fact
18 that we can participate and your inclusive
19 arrangement to the discussion.

20 MR. BARNETT: Thank you.

21 MR. MITAL: Hi. I'm Manish Mital from
22 Halcyon and until Steve started speaking, I

1 thought we'd been around for a long time, but
2 we've been around since 1981. We manage, as I
3 mentioned, hedge funds, CLO assets, and recently
4 we started sub-advising on '40 Act funds as well.

5 When it comes to risk and risk
6 management, I'd say that by far our greatest
7 oversight comes from our investors. We've been
8 voluntarily registered since 1997. I'm formerly
9 from the SEC's enforcement division. My CCO was
10 an AUSA in the securities fraud unit in the U.S.
11 Attorney's Office, and while we both have a
12 government perspective, there is nothing that
13 compares to the type of oversight that we get from
14 our investors, some of whom are at this table, and
15 they come in routinely and they do their job, and
16 it's quite systemic and I understand why they do
17 it. They are fiduciaries to their own investors,
18 but it's evolved, certainly, since 2008. You
19 know, one of the things we get asked now and one
20 of the main things that we look for in our
21 agreements is to look at the counterparty risk of
22 our counterparties, of the broker-dealers that

1 we're transacting with.

2 So, we've instituted a monthly review
3 where we have consultant who used to be with one
4 of the prime brokers. We have one of the lawyers
5 who deals frequently with all of these folks, and
6 then we have an insolvency lawyer who specializes
7 in derivatives, a former colleague of yours, Gary,
8 Azam Aziz, who looks at our agreements on a
9 quarterly basis to make sure that we're getting
10 the best terms and that we're getting the right
11 triggers in case the counterparties themselves
12 default.

13 So, risk management has taken on a
14 significant aspect in our business over the past
15 few years, which is fortunate for us. You know,
16 we've always touted our risk adjusted returns, and
17 now people are asking about that.

18 MR. BARNETT: Interesting. Thank you.

19 MS. PLAVAN: Hi. I'll just speak to the
20 structure of MKP Capital and I'll turn to my
21 colleague, Dov, to speak about some of the risks
22 that we face on an ongoing basis.

1 MKP Capital is structured, as many hedge
2 funds are, with a management company overseeing a
3 number of onshore and offshore entities. Our
4 management company is led by our CEO and four
5 other principle owners, which collectively are our
6 management advisory committee. We've separated
7 the business really into two distinct groups, the
8 investment side of the business and then what we
9 would typically call the operational side of the
10 business, which comprises marketing, investor
11 relations, middle- and back-office, our technology
12 group, legal, HR, finance, et cetera.

13 We -- our investment side is comprised
14 of our portfolio management team, our risk team,
15 as well as our research and strategy group. You
16 know, there's a number of overlapping committees
17 and groupings to make sure that, you know,
18 everyone is aware of the firm collective risks.

19 We have, as I mentioned, the management
20 advisory committee, a formal brokerage committee,
21 compliance committee, valuation committee, and we
22 additionally have an independent board of

1 directors that weighs in on our individual fund
2 offerings.

3 MR. LANDO: Actually, you already
4 touched on a lot of the governance and control
5 functions. I mean, just to expand on that is,
6 obviously, there's a myriad number of day-to-day
7 risk oversight procedures. I mean, we really
8 focus on it on a continuous basis, but I think
9 Katie touched on the key, more formal control
10 functions, which, again, things like the
11 compliance committee, a brokerage committee, our
12 valuation committee. I do agree, I would second,
13 and probably Katie would even be better able to
14 speak to that, but what Manish had said about the
15 pressure we're constantly getting from our
16 investor base. Very legitimately, the investor
17 community wants to hear that we're focused on all
18 these risks and they don't want to hear, when they
19 come in, that they raise a concern and then we
20 say, "Oh, that's a good point. We should find a
21 way to address it."

22 So, we always have to be thinking ahead

1 and predicting what their concerns are going to be
2 and they're very, you know, focused on this.
3 They're thinking broadly as well. They're
4 creative about it.

5 I personally -- I actually, at a
6 previous point in my career, worked at a fund of
7 funds and I was on that side of the table and I
8 think fund of funds are interesting in the fact
9 that they are, themselves, funds and they have to
10 deal with all the risks that come with running a
11 fund, but then obviously they have to be
12 overseeing the underlying funds that they invest
13 in.

14 I think they'll be better able to speak
15 to it, but I think it's -- you know, different
16 funds are very different in terms of -- in the
17 types of risks that they're facing and the way
18 that they should address those risks, and so, you
19 know, fund of funds come in, I believe, in my
20 experience, with that kind of flexible approach.
21 They have things that they want addressed, but
22 they also are sympathetic to the fact that

1 different organizations will be organized
2 differently. And then, you know, in my personal
3 experience, transitioning over to a trading fund,
4 you know, any organization will focus on the risks
5 that they face on a day-to-day basis.

6 If you, for example, use soft hours,
7 then that's a particular risk you have to address.
8 If you don't use soft hours, then that's outside
9 of scope, just again, as an example.

10 But I do feel that it's important to
11 continuously challenge yourself on those risks,
12 continuously -- I mean, one thing I'd say is, in
13 my mind there's a three-level approach to it, you
14 have certain things that are in place all the
15 time, that you put in place that are supposed to
16 monitor and mitigate risks. As part of that,
17 there should be on some frequency, let's say a
18 quarterly basis, a summation of that or a -- like,
19 for example, a brokerage committee meeting if
20 you're talking about best execution, and the
21 brokerage committee will meet and overview what's
22 happened over the course of the quarter make

1 certain decisions.

2 But then there's a third level with some
3 -- a lesser frequency, let's say an annual basis,
4 to take a step back at a big picture and say, is
5 the system we have in place appropriate? Is the
6 -- are these quarterly meetings focusing on the
7 right things? Is there some new development
8 because of a change in the regulatory environment
9 or change in our business or change in an industry
10 that we have to take into account and we have to
11 adjust? Because you need to address those things
12 in advance. You cannot be reactive to those kinds
13 of pressures.

14 MR. SPILLANE: I just want to throw one
15 thing out on what you said, Dov, it's also a daily
16 thing too. Right? So, you know, I just think
17 about what's going on in Russia and Ukraine and
18 everything else and sort of a new risk that popped
19 up for us, we need to be aware of, so it's not
20 only the quarterly and the annual, which obviously
21 I agree with, but it's a daily process too.

22 So, Invesco is a very large public

1 company, I think many of you know it. We manage
2 north of about \$775 billion at this point in time,
3 primarily in the United States a mutual fund
4 company, although we do have a fairly large
5 institutional business. We also run private
6 equity. We've got a private equity distressed
7 debt firm, private equity fund of funds firm, a
8 bank loan firm. We do real estate, both
9 securities and direct real estate, high net
10 worths, pretty much everything you can think of in
11 between.

12 Also with a number -- a large number of
13 affiliates overseas that do something similar in
14 their jurisdictions including the UK, including
15 Frankfurt for Germany -- for continental Europe,
16 Canada, Japan, Hong Kong, Australia, Taipei,
17 Taiwan, you get the general idea.

18 The reason I bring those up is those are
19 all service providers for me in terms of the
20 funds, so it certainly brings those elements of
21 risk and we need to be paying attention what's
22 happening not only in the United States but it's

1 also happening on a global basis.

2 At Invesco we have a corporate structure
3 that the firm has managed essentially by about 14
4 SMDs, senior managing directors, over each one of
5 the different business lines, then the shared
6 services, which includes legal compliance,
7 operations, IT, accounting, those kinds of things.

8 The SMDs comprise a -- what we call a
9 CRMC, which is a corporate risk management
10 committee. They meet on a quarterly basis. They
11 get presentations by each one of the different
12 business units on an annual basis. So, it's sort
13 of a cascading effect. So, the risk gets sort of
14 bottom up, but they also get pushed from the top
15 down.

16 Each one of the business units is
17 responsible for having its own risk management
18 committee, so there's, again, about 14 of those
19 that happen periodically throughout the year. I
20 am fortunate enough to sit on a couple of those,
21 and again, we do reports from each one of the
22 different business lines identifying -- previously

1 before the meetings, obviously -- identifying any
2 new risks or any changes we see to the heat map.

3 In addition to all that, we have a lot
4 of the things that a number of people have already
5 mentioned, including the fund's board, we have a
6 compliance committee, there's a number of other
7 committees too that hear reports from the advisor
8 on what's happening. We actually do probably more
9 meetings than most fund complexes. We do eight
10 regularly scheduled meetings. I do a presentation
11 at every single meeting, including the opportunity
12 to have an executive session with the trustees at
13 each meeting.

14 Risks, again, investment risk is key.
15 We have a separate 100-person dedicated group that
16 is only looking at investment risks and doing very
17 deep, fundamental research on each one of the
18 portfolios. They will meet with the group CIOs on
19 a semi-annual basis to review each one of the
20 portfolios with the portfolio managers there and
21 asking sometimes very hard questions -- why do you
22 do this, why do you do that? -- in addition to the

1 compliance group, which is doing its daily work
2 and quarterly work and annual work -- in addition
3 to the internal audit group, which is also looking
4 at all these kinds of things.

5 So, I sort of would describe it as a
6 compilation of all the different components.
7 There is no one set risk program, shall we say,
8 but it's a compilation of all those things that
9 give, I think, our CEO, and I would say the
10 chairman of our board, the comfort level that we
11 can deliver on the things that we promise to our
12 shareholders.

13 And the worst risk of all, I think many
14 of us all know, is the headline risk. It's really
15 not terribly important that the headlines are
16 true, they're there, it is a reality, perception
17 is reality.

18 MS. TORTAROLO: A&Q sits within the
19 broader UBS. We sit within global asset
20 management. Our management company is
21 wholly-owned by UBS AG, which is itself a public
22 company.

1 A&Q is registered both with the SEC and
2 the CFTC. Then we also have an affiliate that's
3 registered by the FCA.

4 We have offices -- well, our main office
5 is in Stamford, Connecticut and then we have
6 offices in New York, London, Zurich, Hong Kong,
7 and Tokyo.

8 From a, you know, a governance
9 perspective, we have a number of, you know, we
10 have a number of committees that manage our firm,
11 one of them includes a management review committee
12 that meets on a monthly basis. All the
13 participants are the heads of the various
14 different groups and we cover the transactions
15 that have occurred for the month and discuss
16 various other issues.

17 Also being within a bank we're
18 structured probably a little bit differently. We
19 do have our legal and compliance group that is in
20 the corporate center and is not in our business
21 line, and they report up through different
22 channels, I think and that is the same also with

1 our risk control group. They also report outside
2 of our business lines.

3 Separately, I think, is being part of a
4 bank we're also subject to an internal audit and
5 so we're subject to those risk controls as well,
6 and then Jay can talk about some of the things we
7 look at from a fund of funds perspective when
8 we're looking at risk on the hedge fund side.

9 MR. NICHOLAS: Sure. I'm sure some of
10 the things I will say will be similar to what
11 Mesirow says as well. But, you know, some key
12 things we have to take a look at is, one, the
13 investment risk, what return we're looking for,
14 and what's the risk we're willing to accept with
15 that. We break our teams down into a couple
16 different categories, one is an investment team,
17 which is broken down by different strategies, so
18 while we're focused, you know, specifically on
19 commodity operators, we invest across a wide
20 variety of strategies, equity long/short, CMBS,
21 macro, currency.

22 We also have the operational due

1 diligence team, which I head up globally. Our job
2 is to understand the risks of these hedge funds
3 from a business risk standpoint, understand what
4 controls they have in place, what we can do to
5 mitigate certain areas to get more comfortable
6 with things. We invest in a wide variety of hedge
7 funds. They could be super large to some of the
8 size people that we have here, or they could be
9 very small, they could be three- to four- to
10 five-people shops where we need to figure out how
11 we can best create a control environment that we
12 can get comfortable with the money that we invest
13 so that we know when we ultimately redeem, that
14 money will be there.

15 I think some people have pointed out as
16 well, like Todd at Invesco, it's not just a
17 monthly process, it's a daily process that we need
18 to understand.

19 We look at funds also with a risk group.
20 We will take a look at the returns that have been
21 produced by the various funds where we question
22 and run our own analytics to make sure that things

1 make sense. So, it's a combination of both
2 qualitative and quantitative, both top-up and --
3 top-down and bottom-up when we look at funds.

4 Some key things we look at would include
5 liquidity, because we have our own products that
6 we manage. We have certain liquidity profile for
7 our investors, so we need to make sure that our
8 funds can meet the liquidity of our investors, so
9 we have to look at what we invest into that we can
10 do that, and that could be a combination of funds
11 that provide monthly, quarterly, or annual time
12 horizons.

13 The other thing we'll spend a lot of
14 time on is understanding how those funds are set
15 up from a governance perspective. Nicole actually
16 heads up a lot of that group, which we like to
17 call client advocacy, but it's making sure that we
18 have an independent board of directors who is
19 there in case we feel that the manager isn't
20 representing the fund and investors in the best
21 interest we have a conduit that we can go to. And
22 I would say we and also Mesirov have been pretty

1 influential in trying to push that standard
2 forward.

3 Just running through real quickly, I
4 won't go into too many details, key things that
5 we'll look at, you know, not only from the
6 investment standpoint but from the back offices:
7 How is the firm structured? Where is it
8 structured? How is the fund structured? How many
9 staff do they have? Do they seem competent?

10 Valuations, do they make sense the way
11 they do it? Is there some way to independently
12 verify it? Is it done consistently? We'll take a
13 look at the trade processes, the reconciliation
14 flows, cash controls, who can set up an account,
15 who can move money, what kind of service providers
16 are involved in that.

17 We'll talk to them about counterparties
18 and financing. Leverage gets a lot of highlights
19 in terms of what took place, you know, from 2008,
20 so understanding how do funds manage their
21 financing to match the asset duration of the
22 investments that they're making? We spend a lot

1 of time on that as well as how do they calculate
2 and do that.

3 We want to understand, how do they
4 handle compliance? It goes without saying
5 compliance has been an enormous growth, not just
6 in the U.S., but also worldwide, so how do funds
7 manage that? In some cases it's being done with
8 in-house teams that have grown. In some cases the
9 consulting environment has grown dramatically with
10 people who are ex-SEC/CFTC members who help them
11 out. And business disaster/IT recovery, what
12 controls are in place there, right?

13 The key thing is really making sure in
14 that case that they have the ability to operate.
15 We've had hurricanes hit the East Coast. We've
16 had earthquakes. How do funds manage that?

17 What I can tell you is in general, hedge
18 funds manage that very well. The other thing we
19 look at is the service providers, verifying who
20 they use, both through emails and phone calls, and
21 it's amazing that the service providers, as they
22 get to know you better, are very up front about,

1 you know, which clients -- obviously, they have
2 clients, they want to protect them -- but they'll
3 tell you who's easier to work with, who's not
4 easier to work with, right, and our approach has
5 always been pushing the boundaries higher. So,
6 what might have been acceptable back in 2000 might
7 not be an appropriate standard now. So, while MKP
8 and Halcyon say that, you know, investors are
9 pushing them, I would say we're probably in that
10 category of always raising the bar to make things
11 stronger and tighter.

12 You know, when we talk about
13 reputational risk, no one likes a hedge fund that
14 blows up. You certainly don't want to be in it,
15 but the reality is it's bad for the entire
16 industry, right, and so that's how we manage our
17 business.

18 MR. ROBBINS: Yeah, thanks, James. I
19 think just to put a little more meat on the bone
20 of what James has said, well, first I'll start
21 with Mesirov since you asked about our specific
22 business structure.

1 So, we sit within a holding company that
2 is private and employee-owned. The principles in
3 our business own more than 5 percent of the shares
4 of the holding company, and so from an incentive
5 alignment perspective, that's something that's
6 extremely important to us. In fact, at the level
7 of our executive committees and our investment
8 committees, which are two of the main governing
9 bodies of our firm, we have an agreement that
10 we're required to invest 25 percent of our
11 after-tax net income in either shares of our
12 holding company or in our funds.

13 So, it's a big deal to us to have
14 incentive alignment with our investors and that I
15 personally, and people in those roles, have a lot
16 to lose if our business doesn't go well, just as
17 our investors do.

18 Similarly, as MKP and Halcyon know, we
19 demand that the managers we invest with have a
20 significant portion of their net worth tied up in
21 their funds and their businesses for the exact
22 same reason. We think it's a great way of

1 creating incentive alignment.

2 Back to the formal governance
3 structures. We have an executive committee that
4 is the overall governing body of our group within
5 Mesirow Financial. We also have an investment
6 committee that's responsible for the investment
7 decisions that are made at the firm and we have an
8 operating committee on which my colleague Emma
9 sits, as well as I, that is in charge of helping
10 to identify and manage the operational risks and
11 operations of the firm.

12 Like Steve at Millburn, we've taken both
13 a top-down and bottom-up view towards identifying
14 and managing those operational risks, and I think
15 as you think about this, those risks are really
16 less tied to our structure than they are to the
17 types of businesses we do. So, you know, we've
18 identified in the spreadsheet that we've put
19 together for the firm -- or the PowerPoint we've
20 put together for this presentation today, some of
21 the risks that we generally identify in our
22 structure in the investments we make -- I think

1 they've been already identified by others at the
2 table -- investment risk, counterparty risk,
3 liquidity risk, operational risk, and compliance
4 risk, and we actually have a formal dashboard -- a
5 risk reporting dashboard that we use with our
6 board of directors where we have those risks
7 enumerated, identified, and then tracked, and then
8 when the holding company's board of directors
9 meets, they're looking at that risk dashboard and
10 checking us and assessing where we're at on those
11 identified risks. So, we do have another layer of
12 governance with regard to the specific -- what
13 we've identified as the major risks of our
14 business.

15 A separate point of oversight for us is
16 our funds have an independent board of directors
17 who we report to at least quarterly and once a
18 year we have in-person meetings with them and to
19 the extent there were significant incidents at our
20 funds, we would have to report to that board of
21 directors and get them comfortable with what we
22 were doing and how we were addressing those risks.

1 Going back to something James said and
2 bringing this way up a macro level, you know, we
3 are not only managing investor's capital -- or
4 operating funds ourselves, but we're overseeing
5 the investment of capital of the funds we invest
6 with, and just to hit on something he said, and
7 Dov had mentioned this as well, I can't emphasize
8 enough how each individual investment fund has its
9 own unique risk profile, and I think one of the
10 challenges for any regulator, and it's certainly a
11 challenge for us as an investor, is trying to
12 think of the industry in any way as kind of a
13 monolithic or uniform beast that has one group --
14 one set of common risk factors.

15 So, just to give you a little bit of an
16 example, at any time we're invested across 60 to
17 80 different hedge fund managers in maybe 80 to
18 120 different products that they offer. Those
19 fall into the -- we generally bucket the
20 strategies we invest with as hedged equity,
21 credit, relative value, event, macro and
22 commodity, short dedicated managers, and then just

1 generally an opportunistic bucket. And within
2 each of those we have numerous sub-strategies and
3 we are expecting each manager within those
4 strategy buckets and within those separate
5 sub-strategy buckets, to implement their
6 investment program and to manage their risks in
7 their own unique way that's appropriate for the
8 expectations they have set for us.

9 So, like James and UBS, we create
10 essentially tracking profiles, tracking indexes
11 based on, say, what we expect the manager to be
12 investing in from a sector exposure perspective,
13 from a country exposure perspective, from a market
14 cap perspective in both their long and short and
15 gross exposures. We have that tracking index
16 running next to their performance at all times and
17 if at any time their performance deviates from
18 that basic tracking index, we are on the phone
19 with that manager trying to understand why that
20 happens.

21 We also roll that up to our portfolio
22 level, so we're tracking those exposures across

1 our entire portfolio and we're doing a risk
2 look-through so as Halcyon and MKP are monitoring
3 their counterparties, I'm sure UBS does the same
4 thing, we're surveying our counterparties across
5 all of the underlying funds we invest with and
6 rolling up our global exposure to prime brokered
7 counterparties to understand where those are at.

8 So, I guess the overarching perspective
9 I want to leave you with is there isn't a
10 one-size-fits-all approach, the reason you need
11 sophisticated people like James and Nicole and
12 Emma at the top of this being a pain in the rear
13 for our friends at the direct trading funds is
14 because we view each of these very individually
15 and we're constantly evaluating and progressing
16 how we think about risk and as they said and as
17 James suggested, demanding more and more from our
18 underlying managers so that we're all comfortable
19 where we sit in the industry.

20 MS. RODRIGUEZ-AYALA: And what I would
21 add also is that we have our own end busters that
22 perform the same due diligence on risks on us, so

1 even for our portfolios, because we do so many
2 custom portfolios for particularly large
3 institutional investors, those portfolios
4 sometimes have risk parameters that differ among
5 them. So, for us, it's monitoring the risk of the
6 underlying portfolio but also making sure that we
7 comply with the risk expectations for our own
8 investors, which often vary.

9 MR. BARNETT: Wow. Okay, very helpful.
10 I've got questions from -- you know, questions
11 from what do we do at the bottom, the technique to
12 manage risk, but the discussion that sort of
13 started evolving over here and came around, which
14 was fascinating, was -- and I think it was -- in
15 Dov's defense, nobody said "ignore daily", it was
16 -- yes, I wanted to jump in for your -- because I
17 know you didn't skip that, but it was very
18 interesting because, you know, you think about --
19 you're hearing things about, you know, the
20 committees with the heads of the lines of the
21 business and you start thinking, like, but could
22 that get sort of ingrown, right, because you --

1 but then all of the sudden then you're talking
2 about -- but then somebody was talking about the
3 annual meetings, you know, and following trends
4 trying to get ahead proactively on things and then
5 the annual meeting to see how well is it working
6 and are we picking up all risks.

7 But I guess, so, on the one hand I want
8 to get more detail about what people are doing on
9 the daily stuff to manage these risks, but also
10 maybe this -- sort of this governance or reporting
11 up thing where the equity-like folks are -- you
12 know, how do you make sure they understand what's
13 going on and how is it being communicated, not
14 just reactive, like, what happened here and what
15 kind of on-the-ground decisions get made, but also
16 then, as it filters up, seeing what's happening
17 and making it understandable for people who are
18 sort of like not the guys in the trenches.

19 And if you have thoughts on that and how
20 does it work in the fund space, but I heard that
21 discussion -- it was kind of fascinating. If you
22 kept it just in the trenches there'd be like

1 potentially conflicts and then there's also this
2 education thing that's got to go on and then it's
3 got to be communicated up and it's got to align
4 itself with where people want this business to be
5 going.

6 So, can we get thoughts about that sort
7 of flow of information up and the decision-making
8 at the top? And then we can go back down later to
9 talk about what are you doing really to -- you
10 know, the more mechanical stuff to manage risk,
11 those kind of risks that you all identified?

12 MR. LLOYD: Sure, you want to start with
13 us again?

14 MR. BARNETT: Sure thing.

15 MR. LLOYD: Sure. We have -- several
16 people talked about investment risk, you know,
17 that is a daily risk and we're, you know, a
18 model-based -- we have a model based portfolio but
19 we also have an investment committee that meets
20 every day at 8:30 in the morning and that consists
21 of our CEO, our president, our head of trading,
22 our head of research, and several input -- input

1 every day from several of the research groups.

2 So, you've got that on a daily basis.

3 You also have our traders daily are, you know,
4 monitoring news, monitoring-- you know, they know
5 who our executing brokers are and our prime
6 brokers and, you know, they will have the ability
7 if news comes up about or even rumors come up
8 about a specific fund that's maybe an executing
9 broker, you'd want to just pull them out, you
10 know, until something like that settles down.

11 So, I mean, that's a good thing because
12 it's like somebody else said, you know, when you
13 get that call, you know, what's your exposure to
14 Lehman, you want to be able to say none, right? I
15 mean, that's the -- that's sort of the goal.

16 And our executive committee meets once a
17 week and literally, you know, there are -- as far
18 as how information filters up, you know, we have,
19 again, you know, people on that committee who are
20 right -- who basically run the groups that, you
21 know, do the different aspects of risk monitoring,
22 you know, like my group oversee the legal

1 compliance team, the investment ops team, and the
2 trading operations. You know, things like having
3 the traders report up through a different chain
4 than trading operations, which does settlement,
5 you know, to try to keep, you know, control of the
6 potential of a rogue trader type of person.

7 So, it is important, you know, that it
8 is a daily process for us and I think for a lot of
9 the -- you know, obviously for the trading
10 companies as well. Heidi?

11 MS. KAISER: Yeah, I would say sort of
12 at the top level or the highest level, the
13 executive committee is thinking about what are the
14 risk tolerances for the different types of risks
15 that we face, but then when it comes to actually
16 identifying the risks and monitoring the risks,
17 that's really the job of the people in the
18 trenches, and then you have to have a system in
19 place where those individuals are identifying the
20 risks, how are we going to monitor them, what are
21 the key risk indicators that we need to be looking
22 at on a periodic basis, if that's daily, weekly,

1 monthly, quarterly? And then what's the
2 probability of those risks materializing? You
3 know, is it really remote? Is it near certain
4 that it's going to happen? And then is -- what's
5 the impact of that?

6 And you might have a risk that is
7 probably going to happen but the impact of that is
8 very minimal to your business, minimal to
9 investors, but you might have something that's
10 remote, you know, counterparty risk. It might be
11 remote, it used to be remote, but the impact of
12 that is extremely great, so that's something that
13 you're going to be looking at on a daily basis.

14 But really the highest level is looking
15 at, then, accountability. Who's accountable for
16 the risks? And then letting sort of the trenches
17 deal with, you know, sort of managing them,
18 mitigating them where necessary, and then
19 reporting up, okay, what are maybe the top ten
20 that we're dealing with or what has changed over
21 the past year? What's a risk that we're facing
22 now that we hadn't been facing before?

1 Because I think at the highest levels
2 you can't be dealing with the weeds, but you need
3 to impress what are our tolerances and what do you
4 need to be bringing to us on a periodic basis so
5 that we can be making decisions?

6 MS. RODRIGUEZ-AYALA: And at the risk of
7 jumping in outside of order, when we're going
8 around here, just because you address or ask
9 specifically how do the executives at the top of
10 the governing committees get educated about what
11 they need to be thinking about.

12 For us that is an ongoing process, the
13 start of the matter is they all kind of started at
14 the bottom level and moved up, so they do have a
15 general understanding of kind of what's happening
16 at the bottom level.

17 When we do reporting to them, it's done
18 on an ongoing basis for any large issues that need
19 to be addressed and we make sure that they
20 understand both the intricacies of what we're
21 talking about and the repercussions of the risk,
22 right, the consequences of if it's not addressed.

1 But also we systematically, on a quarterly basis,
2 have a compliance meeting with the executive
3 committee that we go through consistent risks that
4 come up and because of the risk dashboard that
5 they all have to review as well and be aware of,
6 we are comfortable that they understand kind of
7 the big picture risk.

8 When you're talking about the little
9 picture risk, that's Greg's job, so he can address
10 that, but as head of the operating committee, he
11 needs to understand kind of all the technicalities
12 of our business to be able to address risks.

13 MR. ROBBINS: Yeah, and I think I just
14 can't emphasize enough that -- and I think it was
15 Todd who had said this before -- the daily -- you
16 know, it's funny, we all come into our office in
17 the morning with a daily list of tasks we want to
18 handle and then, you know, we get picked apart by
19 the issues of the day and, you know, even though
20 we're investing globally, we're a 127-person firm.
21 So, it's not like there are layers of decision
22 makers between what's happening on the ground and

1 the actual decisions that need to get made to
2 address this risk. So, I just -- I'd like to
3 emphasize that it is a daily, ongoing process of
4 managing risk and you're not only kind of
5 reporting to other people internally, but as I
6 think others around the table have mentioned, the
7 outside pressure from our investors who are
8 investing very large sums of money with us and
9 have their own reputational risk concerns. You
10 know, like UBS, ours is largely an institutional
11 business and the consequences to those investors
12 of being invested with us when something bad
13 happens is extreme as well, and we take that very
14 seriously and they do.

15 So, to the extent there is a prime
16 broker in the news with some kind of pressure, I
17 guarantee you it's not just me walking over to the
18 side of our research floor asking how we're
19 monitoring that risk and staying on top of it, our
20 client team has beat me over there to say, I can't
21 have this in the news with this exposure to this
22 prime with our investors being upset about this.

1 So, they're constantly -- we're constantly
2 reporting to those people in a way that we take
3 very seriously, and I assure you, they do as well,
4 so --

5 MR. BARNETT: Quick, quick, sorry, don't
6 lose your thought, I just wanted to ask a quick
7 question. So, Heidi, going back to your point
8 about essentially materiality, talking about the
9 likelihood of occurrence and magnitude of if it
10 occurs, so how do you get into alignment, or if
11 you're making that determination, materiality
12 determination, well, I guess, how do you
13 communicate it and how is it decided?

14 So, I mean, if the folks on the ground
15 are implementing or are they making the
16 determination about whether it goes up, or is that
17 being communicated down to get a feel for what is
18 contemplated to hit that band?

19 MS. KAISER: It depends on what type of
20 category you're dealing with and who's addressing
21 the risk. There are a lot of different risk
22 assessments that might be made. On the compliance

1 side we do a risk assessment and it's really
2 myself and my team that are assessing, okay, what
3 is the impact -- potential impact, and what's the
4 probability of this actually happening, and we do
5 a chart and then the ones that are either very
6 significant in terms of impact or are very likely
7 to happen are the ones that we'll raise to, say,
8 Tom or executive committee.

9 And then with that, we're also looking
10 at what are the internal controls or ways that
11 we're mitigating these items, and it may be that
12 there's an item that there's a high impact or high
13 probability of happening, but we're very
14 comfortable with the controls that we have in
15 place, the procedures that we have in place, and
16 maybe the training that we've done with our
17 employees or the way that it's being monitored
18 that we feel comfortable that either EC is already
19 aware of it, he's getting information on it, and
20 there's nothing we need to take action on.

21 If it's something that maybe is new,
22 then we need to talk to the players and figure

1 out, okay, well, how are we going to manage this,
2 how are we going to monitor this?

3 MR. LLOYD: (inaudible) just to add to
4 that slightly, one of the things that more and
5 more -- you know, we have, obviously, fund of
6 funds, institutions, our own sponsored funds that
7 are sold through selling partners, but more and
8 more of the due diligence teams, you know,
9 obviously are digging deeper and deeper and deeper
10 on this, and a lot of funds like us are doing what
11 used to be called a SAS 70, it's now called a
12 Statement of Control. We had an investor who
13 required that years ago, so we've been doing that
14 and it's, you know, where your entire control
15 process is set out, you know, sort of from
16 beginning to end -- like, you know, if a dollar
17 comes into a fund or a dollar comes into a managed
18 account, here's where it goes.

19 And then we have our corporate outside
20 auditors who, you know, test that, you know, and
21 so it's helpful to be able to deliver that to --
22 and it used to be a real market, you know, plus

1 with institutional investors. I think it's kind
2 of becoming baseline and maybe you guys can talk
3 about that. I know it's baseline for -- you know,
4 for outside administrators and obviously that's
5 some of the -- you know, if we're going to have
6 something administered externally, obviously that
7 type of due diligence with them, it's -- you know,
8 it's pretty baseline now.

9 MR. MITAL: Yeah. Our client base is
10 largely institutional pension funds, institutional
11 investors, and the fewer times that you can say no
12 to something, the better.

13 MR. NICHOLAS: You know what, I'm sorry,
14 if I can jump in. On the SAS 70 or the SSAE 16
15 that you were talking about, it's not -- it hasn't
16 actually become that commonplace. We see some of
17 the larger firms deciding to do it and pay for it.
18 What we have seen is almost the requirement of
19 these independent administrators to perform that
20 task. So before 2008, it was not uncommon to have
21 funds do their own accounting to have an
22 administrator who basically just took the NAV that

1 they produced and just send it out to investors.
2 That has dramatically changed so that you have
3 essentially parallel books and records being done
4 both by the hedge funds and by the administrator
5 who reconciled between the two.

6 So, I just wanted to make sure we're
7 clear on that, that the SAS 70 or what's now the
8 SSAE 16, definitely not commonplace.

9 MR. BARNETT: Okay.

10 MR. MITAL: But I think that's one of
11 the interesting things about the industry, right,
12 the people here, we do one, we'll do anything. If
13 there's -- if I ask for a resource, if I need to
14 hire a person, I'll get a person and, you know,
15 you have funds here that specialize in distressed
16 investing so our PMs are very focused on this. We
17 have independent boards. We have -- you know,
18 I've got a 10-person team.

19 The problem is, is that you're looking
20 at, you know, an industry that's very diverse, and
21 so these guys can speak much better to the people
22 who aren't like us. You know, we -- I'd say we

1 run fairly similarly to a broker-dealer in a sense
2 in the way we do risk, and that's voluntary.
3 Right? It's voluntary but it's coerced and it's
4 because the investors are going to demand it and
5 I'm not going to get pension fund investors coming
6 to me otherwise. They'll go to the smaller guys
7 seeking alpha, and, you know, they might be
8 willing to go to a 5-person team who's not doing a
9 SAS 70 who doesn't have my, you know, 10-person
10 compliance staff, my back office, my operations,
11 and so it's very hard to look at the fund industry
12 as a homogenous group, you know, because you've
13 got the folks like us who have the resources, have
14 the experience, the PMs, you know, especially when
15 you look at shops that specialize in distress,
16 every single day they're looking at counterparty
17 risk because that's their training. They would be
18 -- it's in their DNA, they wouldn't do anything
19 differently.

20 MR. FELSENTHAL: And it's not just
21 because -- I don't want to give the impression
22 that these guys show up at our office and say,

1 we'd like you to jump up and down and stay in the
2 air for 30 seconds at a time, that we're going to
3 go do that -- although we would.

4 MR. MITAL: Yeah, I will.

5 MR. FELSENTHAL: But no, in seriousness,
6 it's not that every question they ask -- if they
7 come in and ask for a SAS 70 or SSAE, whatever it
8 is -- they change names, I lose track -- but, you
9 know, a lot of these -- not everything is driven
10 by the due diligence -- the consultants and the
11 due diligence people who come to your door.
12 Everything's driven by, you know, wanting to be a
13 clean shop without having any reputational issues
14 and wanting to do things the right way. And, you
15 know, yes, when they come in and ask us questions
16 and we say, oh, yeah, we do that -- yeah, that's a
17 perk. That's great and that's the only way you're
18 going to get any kind of institutional investment.

19 But you're not always relying on the --
20 such sophisticated due diligence providers. There
21 are people in between who aren't capable of doing
22 that kind of due diligence and I don't want to

1 give the impression that that's the only thing
2 driving this kind of risk management exercise or
3 anything like that. There are lots of drivers,
4 the most important one is wanting to stay in
5 business and not wanting to end up in jail. And a
6 lot of those things are -- you know, on a basic
7 level, there are lots of drivers, not just these
8 questions -- I actually brought with me a due
9 diligence questionnaire, not to share, but you
10 know, these things are lengthy and they get you
11 thinking a lot, and they're getting lengthier and
12 more specific, like I was looking at it trying to
13 think, okay, what are the kinds of questions we
14 were asked -- you know, I first got to Millburn in
15 2004 and, you know, back then the due diligence
16 questionnaires were a lot shorter and they were
17 more willing to accept due diligence
18 questionnaires that were the -- there's this AIMA
19 form due diligence questionnaire.

20 Now everybody has -- seems to have their
21 own questionnaire and they want you to answer
22 their specific questions and they're getting more

1 and more specific, which actually, as much of a
2 pain as they are to fill out, you know, and to
3 have to review every one of them, but they are
4 helpful in terms of -- you know, I divide risks
5 into trying to identify risks into subjective and
6 objective sources and, you know, one of the things
7 for objective sources are these questionnaires,
8 are enforcement actions, are new rule releases,
9 reading actually these 100-whatever page rule
10 releases and looking for the nuances and the
11 things that the concerns raised, not just the rule
12 itself.

13 You know, we all want to abide by the
14 rule, you can read the rule, it's -- you know,
15 whatever it says it says and you do it. But what
16 are the concerns and the reasons that went into
17 one particular rule and things like that, and then
18 you look at, you know, aside from the enforcement
19 actions there are lots of these periodicals out
20 there. There are law firm alerts. There are all
21 these things that are all helping us identify the
22 things that we should be concerned about.

1 And then on the flip side there's the
2 subjective things where you meet with your people
3 whether -- and before, you know, I focused more on
4 the top-down, but on the bottom-up kind of thing,
5 there's nobody in my firm that I'm not meeting
6 with, everybody from the person who's sitting at
7 the front desk, the receptionist, okay, trying to
8 figure out what the risks are that are associated
9 with her responsibilities, you know, is the door
10 locked when you leave? If you go to the bathroom,
11 can somebody just walk in? If you -- whatever it
12 is. You know, not everything is a technical risk,
13 and those are very daily risks too. Where are the
14 files kept? Are they -- is it locked? Is it
15 secure? Can anybody get in there? How?

16 You know, and mitigating those, such as
17 putting cameras in place or having the door locked
18 and things like that.

19 And then there are things that are so
20 important in terms of daily kind of risks that --
21 and, again, we're mostly a quantitative shop, so a
22 lot is relying on algorithms and models and things

1 like that, and so one of the challenges is to hard
2 code as many of the risks away in order to
3 mitigate them.

4 Now, you can't get rid of everything,
5 but you say -- such as speculative position limits
6 and other types -- or even position accountability
7 reporting, which is different than speculative
8 position limits -- and other types of trading kind
9 of just daily risks that could come up at any
10 point. The more you can create systems where
11 something can't occur because the system won't let
12 it go through -- now, clearly everything doesn't
13 work that way and you can't just rely on that, but
14 for daily risks I try to automate as much of the
15 prevention as possible, but not rely on it. You
16 know, I guess sort of, you know, trust, but
17 verify, and so I think that's an interesting
18 aspect that -- you know, and these days there's so
19 many ways to automate things and so many things --
20 and such reliance on these things, which
21 facilitates our ability to then test and focus on
22 other things that can't be automated. So, it's a

1 changed world in that respect.

2 But, you know, I do find also, you know,
3 people have been in this industry for a while,
4 especially, you know, your operations folks or
5 accounting folks, your traders, and people like
6 that, you know, I'll wake up in the middle of the
7 night thinking of a risk, you know, three o'clock
8 in the morning, you know, it's -- you know, I
9 mentioned earlier when we were talking a little
10 bit, it reminds me of the Seinfeld where Jerry
11 wakes up in the middle of the night, writes down a
12 joke on a little piece of paper and then goes back
13 to sleep and he can't find the paper in the
14 morning.

15 So, I usually find the paper, but I
16 think of these things and then you go into work
17 and typically you go -- then go to the trader or a
18 trader and say, oh, well, what if this happens?
19 And they have an answer. They've thought about
20 this already. It's a very -- you know,
21 surrounding yourselves with quality people who are
22 not necessarily compliance or legal people, who

1 really understand the business and can relate to
2 it and incorporating them as an integral component
3 of your program in identifying and dealing with
4 risks, is integral and I don't know how you can
5 operate without that. You could have 20
6 compliance people walking around and never really
7 -- and all 20 of them would never really, really
8 understand what a trader did until they sat in the
9 trading room for a month and actually, you know,
10 traded.

11 And, you know, they're not doing that.
12 Nobody wants me trading. So, I think, you know,
13 that's an interesting way to think -- that's how I
14 think about it, in that sense.

15 MR. MITAL: Yeah, and I think one of the
16 -- you hit the nail on the head. I mean, I have
17 the luxury of being glib about these things and
18 saying, yeah, I'll do it because it's all --
19 you're asking the question a different way. It's
20 internally driven, right? You know, when we did
21 the SAS 70 it's because my CFO thought, hey, I
22 think the partners would appreciate this.

1 You know, these -- when I was in the
2 government, you know, I remember in '04 thinking
3 about hedge funds as these lightly regulated
4 shadow funds, and they're not. For the most part,
5 they're franchises, and people are, you know,
6 treating them that way and people are running them
7 as responsible businesses. You know, you have
8 problems, just like you have in every industry.
9 There are going to be a percentage of policemen, a
10 percentage of doctors, a percentage of lawyers who
11 are going to be corrupt, but for the most part,
12 the industry is fairly institutionalized, run by
13 people who, you know, one of the differences
14 between hedge funds and other industries is, you
15 know, people who are very aligned in the interest
16 of the fund.

17 You know, it's not like you hold a few
18 shares of the stock and are getting a salary and a
19 bonus. You know, these are people who are
20 completely invested in how the fund is doing and
21 usually thinking long-term, not one-two year
22 returns.

1 So, you know, risk management is -- it's
2 just core to the DNA of what a firm does.

3 MR. FELSENTHAL: And a lot of -- you
4 know, the whole idea of a SAS 70, you know, while
5 I was happy to hear that it's not, you know, has
6 not become a requirement, I would have said the
7 same thing. You know, we have a fund of fund
8 strategy as well as we're a direct manager and so
9 we see things from both perspectives and a lot of
10 what we think about is, you know, sometimes I'll
11 meet with our fund of funds team and say, okay,
12 what are the most important things to you when
13 you're going to see a manager, and then I'll take
14 that information and say, okay, well, let me
15 think, do we have these things in place, what is
16 our -- how do we deal with that? How do we deal
17 with the things that are important to you?

18 And then when a scandal comes up, you
19 know, wherever it was, I go look at our file on
20 that manager because our fund of funds has
21 probably looked at that manager. So, I go and
22 look at the file on a manager and see what their

1 conclusion was and why they reached those
2 conclusions, what questions they have that tipped
3 them off that this, fortunately so far, was not
4 somebody we wanted to go into, not somebody we
5 wanted to invest with.

6 You know, it all started with the
7 scandal of he who shall not be named and so, you
8 know, that was the first thing I did. And I found
9 that to be a good process to think like a fund of
10 funds person in terms of looking at what you're
11 doing.

12 And so I thought about the SAS 70, for
13 example. You know, we have some '34 Act filings,
14 you know, '34 Act filing pools, and so with that,
15 you're required to make Sarbanes-Oxley
16 representations as to your internal controls.
17 Well, who wants to do that if you haven't actually
18 tested your internal controls? That'd be a pretty
19 stupid thing to do.

20 So, what did we do? We brought in an
21 outside consultant to come in and examine our
22 internal controls independently and I found many

1 people have viewed that as a very good substitute
2 for a type of SAS 70 for a fund organization,
3 especially if you have an independent
4 administrator that -- and that administrator, as
5 was noted, probably has a SAS 70 also or SSAE,
6 whatever.

7 MR. SPILLANE: When I think about risk,
8 particularly the thing about what you were saying,
9 Steve, one of the things that when I first got
10 there I thought about, what are the tools that, I
11 should say, my people have, to be able to use to
12 identify potential issues and making sure that we
13 certainly have the right technology in place so
14 that they're not looking for the needle in the
15 haystack.

16 But one of the things I've talked a lot
17 about at our firm is that I can hire a whole room
18 full of people, an entire room full. Quite
19 frankly, it doesn't dial my risk profile down one
20 bit. I have to have the right tools in place, the
21 right technology tools, and we've spent a lot of
22 money on technology.

1 But then there's the second component,
2 this goes to your point about escalation, right,
3 so one of the things that is critical to the
4 success for our compliance program is the fact
5 that we really look to hire very experienced
6 people into the compliance department. It would
7 be unusual, more unusual than not, for us to hire
8 someone 22, 23 years old right out of college.

9 I think about the person who runs my
10 fixed income monitoring desk right now, spent 15
11 years as a money market trader and then I co-opted
12 her to come over to the compliance side. And I
13 have a whole slew of people like that who came to
14 us from the business so that they understand the
15 risks that are inherent into the business.
16 Because, quite frankly, I can teach you the rules,
17 I can actually -- I can teach you the
18 communication skills that you need to work with
19 our internal clients, I can't teach you 15 years
20 of money market trading. I can't.

21 Okay, so, that's some of the things that
22 when I'm looking for people in order to dial down

1 my risk profile, that's important. But the
2 corollary to all of that, in my mind, is making
3 sure that you have created the right culture
4 internally, both within the compliance and within
5 the business, that it is safe to raise an issue.
6 And they happen all the time. It's not unusual
7 and if you don't have that, everything gets pushed
8 down and your risk profile, in my mind, goes up
9 dramatically.

10 So, I'm very -- first of all, I'm very
11 visible in our firm and people can come and talk
12 to me. What I'm trying to get my people to do,
13 and I'm very fortunate, I have quite a few, is
14 that each one of the individuals has their own
15 network. I have my network of friends, shall we
16 say, and each one -- and so we create a spider's
17 web.

18 So, we're creating a layer of compliance
19 and one of the consultants I know described it as
20 distributed compliance, I actually thought it was
21 a pretty neat term, so that I have touch points
22 within -- and I do have a real fancy chart here --

1 within each one of the different business areas
2 within my firm, each one of my staff members has a
3 touch point and it's more than one, so that at the
4 end of the day if there's an issue, if there's a
5 risk that's now bubbling up and becoming more
6 critical than not, we're going to get a phone
7 call, and I will assert that it would be more
8 unusual than not for someone to call the office of
9 the chief compliance officer. It's not going to
10 happen, folks, it's not.

11 At the end of the day, this is still a
12 people business. They're going to call people
13 that they know, so part of my overall
14 responsibilities, and I think this is the
15 expectation from the board, is that they
16 understand there is someone who that they can talk
17 to. And, again, it's not just my job, this is all
18 the way across the entire firm. That helps, in my
19 mind, give us a lower risk profile at the end of
20 the day that we're not going to have a huge event,
21 have a rogue trader go completely off the tracks.
22 Because if somebody tries to do that, I'm going to

1 get a call either from trading -- one of my
2 compliance officers who's actually monitoring
3 what's going on in the trading, but to even get
4 that far, I'm going to get a call from operations
5 and settlements saying, huh, what's going on here,
6 why are we doing this.

7 That's the mitigation that I'm looking
8 for so that we don't get those headline risks.

9 MR. FELSENTHAL: I think along those
10 lines, you know, it depends on the size and nature
11 of your firm also. You know, it is -- in a shop
12 like yours, I can't imagine -- it's not possible
13 for you to know every person there and for you to
14 just walk around and chat with everybody there,
15 you'd still be chatting. You wouldn't have been
16 able to make it here today.

17 But in certain smaller firms, and I'm
18 not necessarily talking two-man shops, I'm talking
19 places that have, say, 50 people, it is possible
20 for one -- for you to make -- for everybody to
21 feel comfortable talking to you, and it partially
22 goes into education and how you approach

1 everything. You never want to create a "gotcha"
2 atmosphere because then you never get meaningful
3 feedback. You want people to understand that if
4 they see something and they tell you about it,
5 nobody's getting in trouble for it, unless of
6 course it's evil. But nobody's getting in trouble
7 for it.

8 People make mistakes, everybody makes
9 mistakes, and the important thing is to, you know,
10 make us aware -- you know, if you see something or
11 somebody else sees something, make us aware of it.
12 It's not going to get the person in trouble, but
13 we're going to be able to handle it and fix it and
14 move on, and once you create a track record of
15 people understanding that you're not out to get
16 them and that you're all part of a team and
17 pointing out that if you're in a shop, if you're
18 working in a shop that has one of these blow ups,
19 well, everybody then has trouble getting their
20 next job.

21 You could have had nothing to do with
22 the blow up, but it's on your resume, nobody wants

1 to hire you. So, everybody -- once they
2 understand that and they see that and you're
3 trying to make it fun, you're trying to make sure
4 people aren't thinking of, you know, evil
5 compliance, stay away from them, and put yourself
6 on a different floor and everything like that and,
7 you know, as soon as you get there there's a phone
8 call going out warning everybody you're coming.

9 So, you know, a lot of it -- and this is
10 exactly what you said, on a different level, in a
11 smaller shop, it's just a matter of creating an
12 atmosphere and getting everybody to feel like they
13 have a role in compliance, risk management, and
14 that they have a personal interest in making sure
15 that they're working somewhere clean.

16 And once you get over that hump, which I
17 think it took me about a year, you know, where
18 people -- you know, when I first came in, you
19 know, people were thinking, oh, yeah, he's
20 compliance. Then we got to know each other, we
21 went to lunch, we hung out, you know, we created
22 an atmosphere where they thought of me as a team

1 member, not as -- you know, just another person.
2 And I got a lot of open communication and I
3 learned a lot and really understood how our
4 business works and now we're at the point where,
5 yeah, if somebody has a problem, whether it's a
6 personal -- even if it's a personal problem, you
7 know, they're coming to talk to me about it.

8 And it could have nothing to do with
9 compliance, which takes time, but it's a great
10 atmosphere to have and it's well worth developing
11 because you can really feel like you have a team
12 in place, even if you can't hire a room full of
13 people, you have a firm full of compliance
14 officers and people who are testing risk
15 management are interested in mitigating your
16 risks.

17 MR. PENNINGTON: I think we're hearing
18 one size doesn't fit all. I think one of your
19 questions was initially how do you decide what
20 needs to get up to the boards or in that
21 governance structure, how do you decide what is
22 material. Because I feel like, you know, within

1 Vanguard, the board of trustees meet regularly and
2 each time they have a meeting, risk management is
3 on the agenda, there's a topic discussion.

4 Part of that is educational, so
5 sometimes we'll be presenting topics to the board
6 of trustees to make sure they understand the risks
7 inherent in the business, and part of it is an
8 ongoing reporting, sort of the state of the state
9 of risk management so that the highest level
10 dashboards that would go -- but the way those end
11 up getting compiled is kind of the discussion
12 we've had earlier -- there's a breakdown of the
13 various areas of risk so the funds themselves have
14 the investment risk within them, so you have to go
15 way down into the weeds on a daily basis, as has
16 been said over and over, so we will have -- every
17 single fund will have an investment risk view of
18 that fund on a daily basis with thresholds and
19 tolerances and heat maps and dashboards that end
20 up getting into sort of a weekly or monthly
21 report-out to CIOs of the regions and depending on
22 the strategies, and that will get up into the

1 business heads and ultimately roll into an overall
2 statement.

3 Similarly, on the operational risk side,
4 which is where you get into the advisor and the
5 service providers, the distribution areas of our
6 firms, we have what we call a global operational
7 risk council. Heads of the businesses from the
8 investment side, IT, a huge source of risk for all
9 of our firms, fund administration, legal,
10 compliance, audit -- this is a forum where we get
11 together globally and discuss the nature of our
12 products, the nature of the operations, things
13 happening in the markets and our firms, and we
14 have to form sort of the dashboard report to that
15 group as well. You get into what are the policies
16 that drive all that.

17 So, a small shop, which is great, you
18 can actually go talk to each individual, get to
19 them personally. We don't have the luxury in a
20 larger shop so you tend to be more policy driven,
21 right? So, those policies get set based upon a
22 variety of factors in the internal governance

1 structure that we have in place.

2 And finally there's a general sort of a
3 business view of risk and that's the nature of the
4 firm, again, so we've got publicly-traded firms
5 here, privately-held, mutual-owned,
6 bank-affiliated or owned firm. So, those overall
7 business risks, which I think is slightly
8 different topics.

9 MR. LLOYD: One of the -- I just wanted
10 to echo just briefly, you know, what Steve said
11 about sort of what we would call human capital.
12 You know, you have to have -- and it's funny
13 because in the CTA/CPO world, you know, we have
14 140 employees and about \$3.7 billion in assets,
15 and we are -- we're not a small firm. You know,
16 we're not the biggest, but we -- at this table,
17 you know, Millburn and Campbell are the small
18 firms, but there are significant -- there are
19 three to five-people CTAs out there who are
20 getting allocations because they're providing
21 alpha.

22 So, obviously, what they do is very

1 different from what we do, which is very different
2 than what Vanguard does. But when I -- I also
3 have a background in the SEC and enforcement and
4 back when it was NESD regulation and enforcement,
5 so and then was with a large global bank broker
6 dealer before I joined Campbell in '05. And one
7 of the things, you know, to go join what was then
8 to make the jump from a big bank to a small hedge
9 fund -- in my view, small at the time -- one of
10 the concerns I had was sort of the integrity of
11 the people.

12 And what you -- you know, they were very
13 proud at the time -- again, we go back to '72 --
14 of having, you know, knock on wood, a very clean
15 regulatory record and it's got to be -- and that
16 was sort of before we were just becoming
17 registered with the SEC so we had to put in a lot
18 of different things into place.

19 But it was so ingrained and it has to be
20 so ingrained in the culture of a company that you
21 do things right, that you don't hide mistakes,
22 that you report things up the channel no matter

1 where, you know, the traders, you know, the people
2 in accounting, the people in, again, trading
3 operations, which does the checkouts, you know, I
4 mean, it's just like obviously on a much smaller
5 scale but, you know, we would hear if something
6 was irregular in a trade checkout.

7 So, really human capital, hiring the
8 right people, and getting them -- you know, having
9 them ingrained into the culture of your firm is
10 very important and, you know, when Heidi's team
11 does the annual compliance training, we get every
12 -- every time you get people coming out of that
13 with questions. Oh, I have an account here, is
14 that okay? Do I have to move it? Do I have to
15 register it? Do I have to -- whatever. You know,
16 you do get positive feedback, you get feedback,
17 so, again, you know, it's -- the roles of
18 compliance and the roles of, you know, legal and
19 audit are viewed -- definitely viewed somewhat
20 differently, you know, in a larger organization,
21 but you can still build relationships, but I think
22 it all does start with people and it's, you know,

1 hard hiring the right people and then weeding out
2 people who are, you know, not consistent with the
3 culture of the firm, so.

4 MR. LANDO: I know we're coming up on
5 the break. I don't know if --

6 MS. OLEAR: We'll cut the break short.
7 It'll be fine.

8 MR. LANDO: No, I was just going to -- I
9 mean, a lot of it is echoing what's been said and
10 maybe to reiterate a point I had said earlier
11 about the three approaches -- three levels of
12 approach to risk, and what I really think of them
13 as is a circle, because you have the daily
14 procedures, you have the periodic, let's say it's
15 monthly/quarterly, and then you have the
16 occasional, let's say it's once a year. But they
17 feed each other so it's, for example, that annual
18 review, which is what decides, well, what
19 procedures should we have in place that is on a
20 daily or, frankly, real time -- in a lot of cases
21 -- basis?

22 So, the point I was going to say is,

1 especially if you think about on the operational
2 side, in terms of the daily, I would very much
3 echo the significance of the individuals involved
4 in the organization. In my experience in this
5 industry, one of the things that I've always been
6 impressed with, we have a very high caliber of
7 people. They take a great deal of pride in what
8 they do, they take pride in their function, they
9 take pride in their firm, they understand the
10 larger picture, they're not just, you know, with a
11 very narrow focus, like, this number has to come
12 in and I plug it in here -- they understand where
13 that fits in the organization and therefore they
14 understand when something's not being done right.

15 And you have to have the right culture,
16 I absolutely agree, in terms of empowering people
17 to speak up and to know where they should go and
18 to feel that they're going to be encouraged and,
19 frankly, you know, appreciated for speaking up.
20 So, again, the way I think about it with this
21 three legs to that stool, on the daily basis it's
22 about having strong procedures in place so that

1 they're thought out in the first place, so that if
2 something goes wrong, it's going to be caught by
3 one of those procedures and that the people who
4 are involved in running it are going to know what
5 to do about it and know that they have to do
6 something about it.

7 And then when you think up at a higher
8 level, whether it's on a monthly, quarterly, or
9 more on the annual basis, what I try to do is to
10 try to make sure that the different functions are
11 subject to some kind of annual gut check. And
12 just to give some examples that, you know, some of
13 these are specific to our firm, some of these are
14 just generally industry practice, one is, it's
15 already been mentioned, but the formerly known as
16 SAS 70, the SSAE. That's a very good control
17 review of operational controls and you're really
18 put through the ringer when you go through that
19 and it does force you to question yourself, and
20 you're doing that voluntarily. That's something
21 that firms are doing, yes, obviously to some
22 extent it's marketing, but a lot of that is

1 internally driven just to make sure that you're
2 doing things the right way.

3 Other controls on that less frequent
4 basis, there's obviously the NFA self-exam.
5 That's a great opportunity to review your
6 procedures, not just check it off and compare, to
7 black line to last year, but to revisit
8 everything, has the business changed, has the
9 industry changed, are we giving the right answers
10 to these questions. In parallel to that,
11 obviously, under the SEC, which, you know, most --
12 many of the industry are subject to, they also
13 have an annual compliance review requirement and
14 that is also something that you have to tailor to
15 your own organization, but I think it's a very
16 healthy opportunity to take a broader view of all
17 your risks and make sure that you're addressing
18 them in a reasonable way.

19 Other things that I think are common in
20 the industry are, just on an annual basis,
21 reviewing your policies and procedures, again,
22 fresh look, think about what's changed, it's

1 already been mentioned also the -- it's common in
2 the firm to have annual employee education, and
3 that in itself, even preparing for it, is a gut
4 check, and then you actually perform it and you're
5 talking to every single employee at the firm. At
6 our firm it's at least once a year. We have a
7 mandatory firm-wide employee education. Every
8 single person from every single group is going to
9 go through that and they're really encouraged to
10 speak up, to give feedback, and I do learn things
11 at the end of it. People will come to me and say,
12 oh, here's a thought about something, and I'm glad
13 to say it's not -- I don't get surprised, but it
14 does give me, you know, pause, maybe, oh, here's
15 something we can refine. That's a good idea,
16 let's follow up on that.

17 There are other, again, infrequent
18 reviews. We review our offering documents to make
19 sure that they're still current, we obviously have
20 the financial audits of the firm, which is another
21 gut check on the evaluation process, which is,
22 obviously, a very critical process, and to, I

1 think, the point that you had started the question
2 with, is those also lend themselves to feeding
3 information to a senior level, so a lot of these
4 things are reported -- at our firm, in particular,
5 we have a compliance committee, which has
6 representation from senior members of every aspect
7 of the firm, so that's a good forum where we can
8 report changes to our policies and procedures,
9 where we can report the NFA annual exam, where we
10 can report the SEC annual exam. And it's a method
11 of making sure that the people at the top are well
12 informed about what's being done, and also since
13 they're the people with the biggest picture, they
14 can push back down again and say, well, how are
15 you addressing this concern, and it's a constant,
16 ongoing cycle.

17 MR. ROBBINS: I just want to make sure
18 -- there's one group that I don't think we've -- I
19 mean, you're getting the picture, I think, that
20 there's this huge mosaic of people in charge of
21 risk or that contribute to the risk process. I
22 want to make sure we didn't omit third-party

1 service providers, because one of the things that
2 I think is really critical for you to understand
3 is that you not only have the internal people that
4 folks have been talking about who are constantly
5 on top of this, you not only have gatekeeper
6 operational and investment due diligence teams
7 that are looking at this externally and also
8 sharing best practices or pushing towards best
9 practices that we see across all of these really
10 smart people who are internally developing their
11 own best practices, but -- and Dov touched on the
12 audit process, it's not just the audit process,
13 the law firms that are involved in this practice
14 area tend to be very sophisticated and very
15 in-depth in terms of the regulatory compliance
16 issues.

17 We also have credit facilities, I think
18 most people here either probably use credit
19 through a PB or through a third-party lender,
20 those people are in our business because they need
21 to be and we're constantly reporting to them on
22 risk metrics and measures.

1 We do FX trading on behalf of some of
2 our investors and so you've got those
3 counterparties who are, you know, we're monitoring
4 them but they're equally monitoring us, and, you
5 know, we've talked a lot about SAS 70s here. And
6 I just want to hit on something James said, after
7 2008 it became industry norm for there to be
8 third-party admin. Obviously, the SEC's custody
9 rule has something to do with that as well. Those
10 third-party admins are the biggest AAA-rated great
11 credits in the world and have their own SAS 70 and
12 compliance and audit departments. They don't move
13 cash -- our funds don't move cash without
14 instructing them to move cash, and they don't move
15 cash without knowing where it's going, right, and
16 so I just want to point out, from a risk-control
17 perspective, and importantly, from a fraud-control
18 perspective, cash doesn't move within our firm, it
19 only -- it stays external, and then the same
20 process goes for valuation, right, like even if
21 we're doing shadow accounting or watching our own
22 books and records and our managers are doing the

1 same thing, valuations are being done ultimately
2 by third-party service providers who aren't, by
3 the way, valuing these positions in isolation.

4 If three different credit managers share
5 the same admin and try to put a different mark on
6 the same position, all three of them try to put a
7 different mark on the same position, that admin is
8 going to have a conversation with those hedge fund
9 managers.

10 So, I just want to make clear that, you
11 know, you've got gatekeepers, you've got the
12 people internally who are developing these
13 processes, you've got the gatekeepers who are
14 demanding it and sharing information in terms of
15 best practices across firms, and then you do have
16 third parties who, you know, frankly are often the
17 deepest pockets in this game and can get sued if
18 things go wrong, and so they're extraordinarily
19 interested in making sure that risks are tamped
20 down and managed at all of our firms.

21 So, I just wanted to make clear that
22 that's part of the mosaic here.

1 MR. MITAL: Yeah, I mean, to piggyback
2 on what these guys are saying and what Dov was
3 saying, we do all the same processes that you're
4 talking about and, you know, the people who lead
5 it, I hired a guy from our audit team at PWC as
6 our deputy CCO and a guy from the NFA exam staff
7 to be our analyst, to do the forensic testing, but
8 that's -- you know, when you go across this table
9 and look at what investors demand and
10 third-parties demand, there is so much that we are
11 forced to do to run a good business and it starts
12 with the human capital point that you were making.
13 You know, and you can't legislate or regulate
14 against that, really, because you can't regulate
15 fraud, right? I mean, if somebody wants to do an
16 annual exam that doesn't mean anything or wants to
17 do these things that don't mean anything, they
18 will. You know, we've all seen that.

19 So, it really is dependent on an
20 industry that's somewhat mature, you know, we're
21 much more mature than we were in 2008 and that's
22 really policing itself to ensure that it sustains.

1 MR. LLOYD: I would just add one thing
2 to follow up on the third-party administration.
3 Obviously, post-Madoff, you know, it is required,
4 right, to post independent NAV calculations. So,
5 you have firms like our size who had always done
6 internal NAV calculation within a fund accounting
7 team that you knew and trusted and had the
8 processes tested and all of that.

9 So, a lot of folks -- I mean, I think
10 James mentioned this -- are doing full shadow
11 accounting on their third-party administrator
12 because you want to make sure they're doing it
13 right.

14 Now, they have, as Greg said,
15 tremendous, you know, incentives to do it right,
16 but you have, you know, your internal people doing
17 it, comparing NAVs, comparing prices, and they're
18 getting, you know -- they're all getting, you
19 know, feeds from the prime brokers to test it out.

20 So, you know, the controls -- you know,
21 the additional controls of third-party -- that
22 third-party administration has brought to bigger

1 funds has, obviously, you know, improved, you
2 know, the risk of that level, which is bad pricing
3 and obviously some problem with the NAV's pricing.

4 MS. OLEAR: Okay, so, it is 11:11.
5 Let's break for, shall we say, ten minutes and
6 then come back around 11:20. Thank you.

7 (Recess)

8 MR. BARNETT: Okay, we are going to get
9 restarted. That was great. That was greatly
10 appreciated.

11 So, we've got about 15 more minutes
12 until we go to the next section and we wanted to
13 -- we thought we'd covered almost everything that
14 we'd been wanting to cover in this session.

15 We did want to ask you, this is a sort
16 of an on the ground kind of question -- how do you
17 address situations where there are things that are
18 inconsistent with your risk management program,
19 when you do find breaches or violations? And how
20 do you typically deal with that? And the other
21 one was, somebody talked about Sarbanes and
22 talking about what outside administrators require

1 -- how do you test the efficacy of your policies
2 and procedures or whatever mechanisms you have in
3 place that you control, and so on? How do you
4 test efficacy and then what do you do when
5 something goes awry?

6 MR. MITAL: I'll start on efficacy just
7 because, as I mentioned, we just hired a guy from
8 the NFA exam staff to help us with this. Our view
9 is that your policies are only as good as they are
10 implemented, so you can draft the best policies in
11 the world, but if you don't know that they're
12 actually being followed, what's the point? And
13 it's a key concern when the SEC exam staff comes
14 around to folks like us too. So, we have actually
15 a four-person staff that spends a large amount of
16 their time on forensic testing and every single
17 policy we have, and I actually have our risk
18 matrix here that has the test for it, but every
19 policy that we have, we test. So, I don't care if
20 it's, you know, whether or not you have outside
21 business interests. Then we have a test for it
22 that we'll randomly select a partner and Google

1 search them or, you know, however you can come up
2 with a test, we task the examiners or our analysts
3 with that.

4 And that's, I think, extremely
5 important. It's not required, per se, but the SEC
6 will demand that of anyone that they come into.

7 As to what do we do when we find
8 problems, it's important to remember that we are
9 lawyers with a client, and the client is the firm,
10 the firm and the fund. So, we will report up and
11 then if we need to, we'll hire outside counsel,
12 you know, we'll conduct independent reviews
13 because, again, the client could be the fund in
14 that instance as opposed to the firm, so you want
15 independence, but the situations vary and, you
16 know, I think that it would be -- it wouldn't be
17 smart for me to say, well, of course we would, you
18 know, report or do anything because we're lawyers
19 and we have a client, so we have to do what is
20 prudent and responsible.

21 MR. SPILLANE: I think it goes a little
22 bit to order of magnitude, right, so, I mean,

1 every day you're seeing little nitty stuff that
2 happens and, you know, the question is, you know,
3 at what point does it become more systemic? Is
4 there a pattern? Et cetera, et cetera. And what
5 I'm looking for is to be able to sort of nip it in
6 the bud, hopefully, so that it doesn't happen ten,
7 twenty times, and there I want to make sure that
8 we provide some level of education, but it's also
9 letting the respective management teams aware of
10 what's going on.

11 So, for example, if there was a breach
12 on the code of ethics and someone had a personal
13 trading violation, and they forget one, maybe not
14 that big a deal in the grand scheme of things. If
15 they do it three, four, five times, you've got my
16 attention, perhaps, and now we're going to get
17 your manager involved. It is a management issue,
18 it's not just a compliance issue. It's a
19 management -- it is their issue.

20 One of the big things I want to make
21 sure, and I'm sure everybody else in this room
22 here wants to make sure is that, I don't want to

1 be their supervisor. I do not have the ability to
2 hire or fire or change compensation. I will make
3 some recommendations, but I do not have that
4 ability. I do not want to be a supervisor. It's
5 a management issue. And we're going to make sure
6 it's dealt with in an appropriate way there.

7 But in the aggregate, remember, I still
8 have obligations to report up to the board. I
9 probably think I'm the only one here -- I have a
10 dual reporting relationship, right, so I'm
11 different than probably everybody else in this
12 room in the fact that I actually report to the
13 board, okay. They pay my compensation, part of
14 it. I also have a line into the management
15 company. So, I actually have a dual reporting
16 obligation, okay.

17 So, I take that -- obviously, that role
18 as a direct report to the chairman of the board
19 very seriously. So, we give them a full
20 transparency as to what do we see, particularly as
21 it relates (inaudible) to the code of ethics. I'm
22 not talking about every little nitty potential

1 break on the investment monitoring side, because
2 most of that is a little bit of noise, but if
3 there -- again, if there's something systemic,
4 they're going to hear about it. That's the order
5 of magnitude, I think, that you need to make sure
6 that you're dealing with when you're talking with
7 your fund boards and those kind of things.

8 MR. LANDO: I was just going to speak
9 specifically and talk about how to deal with the
10 breach. So, obviously, it will depend upon what
11 particular process you're talking about, but to
12 use an example is trade errors. So, you know,
13 obviously, everybody has to have a method of
14 overseeing, identifying, and dealing with trade
15 errors. So, again, just using that as an example,
16 the way I would look at that is there's two ways
17 to keep an eye on it, one is going to be basically
18 the self-reporting, the person who was involved in
19 the error knowing that they have to report and
20 feeling that obligation to report, and then
21 there's the need for there to be a top-down
22 oversight. And I think it's important -- and I

1 think it is the practice to kind of have both
2 elements of that. And I think this was already
3 mentioned earlier about, you know, empowering
4 people, having the right culture, educating people
5 and making sure that they understand their
6 responsibility and understanding that it's in
7 their own best interests as well as in the firm's
8 to self-report. They want to get ahead of these
9 things and we do -- you know, when we deal with
10 things like that now, when people self-report, we
11 -- you know, we don't punish people for
12 self-reporting and, in fact, we appreciate it and
13 we express that appreciation and we use those as
14 examples to communicate throughout the firm, this
15 is the way it's supposed to be handled, because if
16 we're the ones who identify it rather than you
17 self-reporting it, it's going to be treated very
18 differently.

19 But then at the same time, we do have to
20 oversee it ourselves, and there are various
21 different ways and there is no, you know, one size
22 fits all way to deal with monitoring for things

1 like that. Again, just to use some examples
2 there, you know, we can monitor investment
3 performance, we can monitor allocation of trades,
4 we do independent email review. There are a lot
5 of different things that we can do from the
6 top-down to monitor for errors.

7 So, it's the confluence of those two, I
8 believe, you know, I feel fairly confident that
9 our process is reasonably designed to address that
10 risk.

11 And then, of course, there's making sure
12 that you have the right procedure in place to deal
13 with it when those issues arise. So, again, using
14 trade errors we have it as a written policy, but
15 then it's implemented in practice, you identify --
16 first of all, you identify an issue and you have
17 to look at it and say, okay, is this really a
18 trade error, and you have to understand the facts
19 to make that assessment, and then you have to deal
20 with it. Let's say it's a trade error, you have
21 to make an assessment of who's responsible for
22 that, for the cost of it -- well, you have to

1 actually quantify the cost first, then you have to
2 assess who's responsible, which is going to be
3 dictated by policies and disclosure documents, you
4 have to track it because you have to be ready to
5 speak to someone who asks you, especially if it's
6 a regulator who wants to see your log, and at the
7 end of it you want to be more proactive and think
8 in terms of, well, what can we do to mitigate the
9 risk of this in the future.

10 In some cases you're going to look at it
11 and say, look, this is just a risk, this is just
12 reality, fat fingers is a possibility, but it can
13 -- you know, it can still be mitigated with
14 technologies, with redundancy systems, and things
15 like that. Or, you know, there are other ways
16 that you can, at a higher level, mitigate and
17 reduce the likelihood of that particular risk
18 occurring in the future.

19 And, again, but that's just an
20 illustration. I think different risks are really
21 dealt with different ways.

22 MR. MITAL: Yeah, and to be fair to my

1 firm, I was speaking broadly more for your
2 perspective that, you know, I think on the big
3 errors we're going to, you know, do whatever is
4 best in the interest of fund finance, but we have,
5 you know, our CCO actually does report to our
6 boards. She has the ability to fire. She has
7 fired people for issues. You know, we have the
8 oversight. It goes back to the human capital
9 issue that if you train people and tell them you
10 can come to us, you know, if we get ahead of an
11 issue it's better than being behind it. That's
12 great. But if there were -- I haven't come across
13 the issue, but if we had a massive problem, you
14 know, you're going to do -- we're fiduciaries,
15 right, so we are not in the role of being, I
16 guess, self-regulated in the sense that, you know,
17 to do what's best for the system, we are -- we
18 have to do what's best for our fiduciary clients.

19 So, we're always going to take that
20 stance.

21 MR. BARNETT: Great. Warren, you're a
22 very patient man.

1 MR. PENNINGTON: I think I'll maybe turn
2 to the schematic we provided. I think some of the
3 discussion around testing of policies and
4 procedures is built into the '40 Act. Down in the
5 center middle we have listed just a sample of the
6 primary SEC-regulated fund protections.

7 As Todd mentioned, the CCO role is a
8 formal role, a regulatory role. There is a
9 requirement in 38a-1 from the fund's perspective
10 and in 206(4)-7 from the advisor's perspective to
11 have these policies and procedures in place to
12 ensure they're adequate to maintain compliance
13 with the regulations, to test them on a periodic
14 basis, and to report out on an annual basis to the
15 funds' boards. So, maybe I can leave it to you
16 there.

17 MR. SPILLANE: Yeah, and that's, as you
18 might imagine, a very, very elaborate process and
19 something that, quite frankly, I think the board
20 looks forward to every year, and generally it's
21 about a 60 to 90-minute presentation similar to
22 this that I do to the fund's board to review the

1 results and go over -- answer any questions that
2 they have. And certainly a good component of that
3 is done in executive session, which means that
4 it's literally just the independent trustees, not
5 the interested trustees, and myself, and it's a
6 very frank and honest conversation.

7 MR. FELSENTHAL: I think, you know,
8 getting, you know, back on a basic level, I think
9 Dov essentially said much of this, is that you'll
10 see a problem -- well, first of all, as far as the
11 testing, you know, you're in a constant state of
12 testing and, you know, I created back in 2004 when
13 I didn't know anybody else who had this, but now I
14 think everybody has it and they didn't copy me --
15 but, you know, an automated compliance calendar
16 that spreads things out throughout a yearly
17 period. Because, you know, the rules, technically
18 -- the SEC rules, Advisers Act rule and Investment
19 Company Act rule requires an annual review of your
20 compliance program. The NFA self-exam
21 questionnaire theirs is also an annual thing and I
22 view that sort of as the same thing, really, if

1 you use it right.

2 And so, this idea of an annual review,
3 well, if you save it all for, you know, now, well
4 then you're never going to get it done in a
5 meaningful way.

6 So, you spread it out over a period and
7 you figure out a way and you look at every -- the
8 challenge is identifying every issue that you
9 think needs to be addressed in your policies and
10 procedures and even if it's not there, I can find
11 other issues that you didn't necessarily write up,
12 but it's an issue or it's something worth testing
13 for.

14 And then you use -- and both subjective
15 and objective ways of identifying those issues,
16 and then you think of, spread throughout the year,
17 a way of testing each one of those issues. It can
18 be a technical way of testing an issue, you know,
19 and you can call it forensic testing or you can
20 call it just, you know, testing. It doesn't
21 matter what you call it. You know, we tend to get
22 very term-specific, but, you know, I think, you

1 know, I was just discussing, you know, I plant
2 names in order to check our AML testing. So, I
3 plant names in our client list and see if they
4 catch them. If they don't catch them, okay, if
5 they don't catch them that was a good test, if
6 they do catch them, that was a good test. Why?
7 Because now I know there's an issue. So, my
8 testing leads -- is really an analysis of trying
9 to discover problems, problems that aren't
10 necessarily discovered otherwise.

11 And so, you take both types of problems,
12 you analyze the problem, you say, okay, what is
13 the problem? What's the nature of the problem?
14 And first of all, first in my mind is, okay, is
15 there a resulting harm to anybody? Now, a lot of
16 the time it's a rule or technical violation of a
17 rule, or whatever, not to minimize that, but
18 hopefully there's no harm to an investor. If
19 there's harm to an investor, you immediately, you
20 know, raise it to a different level and you try to
21 figure out how to deal with it in the best way.

22 And then -- and so, you want to correct

1 any damage, first and foremost, and at the same
2 time, or immediately thereafter, you want to fix
3 the problem. And what I mean by fix the problem
4 is not say, okay, put this Band-Aid here, what I
5 mean by fix the problem is, I view it as a
6 personal failure, to a certain extent, not
7 monetarily, but otherwise, if my policies and
8 procedures, which I own, it's my baby -- if
9 there's a failure of those policies and procedures
10 in some way, so I want to think about, okay, why
11 did it fail? And usually my conclusion is, well,
12 nobody here wanted to do anything wrong, it
13 doesn't seem like -- they didn't benefit
14 personally in any way, they just messed this up.

15 So, how can I, either fix my policies
16 and procedures, or if they don't need fixing and
17 they were right, how can I educate people better?
18 So, part of my testing is I'm constantly checking
19 people's reading comprehension. It reminds me of
20 the SATs, you know, you can write it and people
21 can read it, but it doesn't mean they understood
22 it and it doesn't mean they comprehended it and it

1 doesn't mean they're doing it.

2 So, part of your testing is geared
3 towards that and then the challenge is to make
4 sure everybody knows about it and think of
5 creative ways to educate people in order to make
6 sure they understand. So, I use --
7 notwithstanding my earlier reference, I use
8 Seinfeld characters, I use all sorts of things, I
9 just randomly ask questions every once in a while
10 that they have to answer, I offer a prize for the
11 first few people who get back to me and get it
12 right or anything like that. I want to see if
13 people understand what it is that they have to do,
14 and I find that that solves a lot of the problems
15 because most of the problems we face are not
16 problems of people stealing money, and those
17 problems we know how to deal with. Those
18 problems, you call the regulators, you call the
19 people, you make sure they're in trouble, they're
20 gone, that's it.

21 The other problems are a challenge to
22 identify and really you don't want to get anybody

1 in trouble for them, you just want to fix them and
2 get the right people in place and the right people
3 on board.

4 So, you know, again, like I said before,
5 it's not a gotcha kind of testing necessarily, and
6 you enlist other people to help you do this
7 testing and to help you discover things for the
8 sole purpose of you being able to fix it, and I
9 think that's really a focus -- I definitely have
10 an opinion on how people are supposed to view
11 compliance and how it's supposed to work and I
12 really do think of it in the way that I described
13 and I think that -- in that sense, it helps you
14 find the risks, address them, mitigate them for
15 the future and then, you know, as the SEC is so
16 fond of saying in their compliance rule, identify,
17 detect, and then correct, and that's really the
18 process that we're going through. I applaud that
19 -- that SEC rule, I don't often say this, I think
20 it's a good thing.

21 You know, I think that they got a
22 principles-based approach in which they had said,

1 okay -- you hear it here, we all have different
2 approaches to everything and my policies and
3 procedures would be entirely -- entirely
4 inappropriate for the Vanguard Group. They would
5 be completely, you know, off the board, you know,
6 horrible for the Vanguard Group, but they're right
7 for us and they're tailored for us and to have a
8 specific rule, to have a specific idea as to what
9 every place has to have is just foolish, I think,
10 to have this kind of principles-based approach
11 where everybody is mandated to tailor something
12 for their firm and expected to do something, which
13 I think is currently the case, that I think that's
14 the right approach.

15 MS. RODRIGUEZ-AYALA: Thank you. One
16 thing that I was going to add, because I feel like
17 there's a little gap here, that there are no
18 smaller shops represented and so I'm speaking for
19 them only because we're investors in some of them.
20 The issue of policies and procedures, we have tons
21 of them because we're a big firm, but for some of
22 the smaller shops where it's four or five people,

1 there's no sense in having that many documentation
2 because they all work together and they're all
3 monitoring each other and what they often do is
4 rely on outside help to monitor what they're doing
5 and I want to make that clear because there is an
6 industry, a consulting industry for compliance and
7 legal services, many of those shops, they're
8 small, but they actually are managing significant
9 assets and often of big institutional investors so
10 they can't afford to hire some of the big top
11 named law firms to help them with compliance and
12 their monitoring.

13 So, I want to make clear that when we're
14 talking about these extensive, you know, policies
15 and procedures books and, you know, risk matrixes
16 like dashboards that we do, we're taking into
17 account those smaller shops that have no practical
18 need for that because it's five guys who speak to
19 each other, and so they work together, they
20 understand and communicate about the risks, and
21 they help -- they have outside help that comes
22 monitor their efficacy or if they have a breach,

1 help them understand where's the harm, how do you
2 respond to that.

3 I just want to make sure that that
4 perspective is not lost.

5 MR. PENNINGTON: I think probably just
6 since the discussion is with the Commission, we
7 were focusing a little bit about that structure of
8 the '40 Act and all of the good things that we
9 would talk about within each others' forums and as
10 manager of managers or fund of funds, but when it
11 comes to the overall industry, I think, we wish
12 that everybody were a good actor. I think we've
13 got fantastic people on this panel, but I think
14 the '40 Act protections and the fact that there
15 are requirements as opposed to just good practice,
16 is one of the distinctions and I suppose that the
17 sort of coming up with a set of them, whether it's
18 the idea that we have to have the portfolio
19 transparency on a regular basis and we've got
20 daily mark-to-market valuation, so you have
21 control of that fluctuation, that NAV that's
22 published, the liquidity requirements that are

1 built into the fund structure so that the
2 investors know generally what kind of liquidity
3 they should expect with their funds.

4 Limitations on leverage is another
5 thing. I think leverage was a significant
6 concern, especially when we talk about
7 commissioning the products that you regulate.
8 There are limitations on leverage for our funds.
9 There are also requirements for when we do use
10 derivatives, what we have to do to segregate
11 assets to cover those derivatives positions. The
12 independent custody or the third-party custody of
13 fund assets, and I suppose that check and balance
14 between the trustee records, the bank custody
15 records, and the firm records is an important
16 distinction. Prohibitions around affiliated
17 transactions, so, again, that goes to some times
18 the conflict of interest or the incentive
19 structure that's in place. And that oversight by
20 an independent board of directors with the CCO
21 requirement is -- I don't think we need to
22 underestimate that one. It is, again, required,

1 but not a "nice to have".

2 MR. SPILLANE: And the one that we
3 haven't talked about here, at least in particular
4 to the '40 Act is the role of the independent
5 auditors. Certainly the PCAOB has raised the
6 stakes for them over the last few years and so
7 that is an additional control that we have that is
8 certainly required to review each one of the
9 portfolios and actually do a lot of forensic
10 testing on the valuations.

11 And one of the things we are having to
12 do right now is to actually go back and do
13 fundamental analysis, particularly on the credit
14 side, to come up with a derived price to make sure
15 that it agrees with the pricing vendors, and
16 certainly we are not in the position as a fund
17 shop just to be able to rely, unfortunately, on
18 the pricing vendors to give us a feed as to what
19 the actual price of a security is. We actually
20 have to do that ourselves. That is, under the '40
21 Act, solely the responsibility of the board. It
22 is delegated to the advisor. We hire pricing

1 vendors, but we have to make sure that it is
2 correct.

3 And then, so what I was alluding to, the
4 independent auditors come back and actually do an
5 independent calculation on a number of securities,
6 not just one or three, it's a very large number.
7 They will pick a fund to go through on an annual
8 and semi-annual basis. It's very strenuous. Very
9 strenuous.

10 MR. FELSENTHAL: I just want to point
11 out that, you know, I think it's important to draw
12 a distinction here a little bit between if you
13 have -- you know, we were talking a little bit, a
14 lot of these things that were mentioned just now
15 -- some of them are -- just to make sure that we
16 see the distinction, you know, some of the
17 protections that were mentioned just now are
18 Investment Company Act of 1940 things and some of
19 them are also incorporated in the Investment
20 Advisers Act of 1940, and some of them,
21 interestingly enough, are only in the Company Act
22 and not in the Advisers Act, and there's a reason

1 for that.

2 It's not -- you know, to the extent the
3 SEC, in making -- Congress, and then in making the
4 -- in various Acts, and what they incorporated in
5 what and what they continue to incorporate in
6 which, and the SEC in terms of their rulemaking,
7 and you know, certain rules apply to certain types
8 of entities depending on the level of risk there
9 is in those types of entities. And I don't want
10 -- I don't think we should go so far as saying
11 that just because there are all these protections
12 in the 1940 Act, well, the CFTC should look at
13 these protections and incorporate the same exact
14 protections, and the CFTC has the same exact
15 approach in terms of, well, if you have pools that
16 are exempt or pools that are 4.7, which is not
17 exempt but not subject to everything, and you have
18 things that are just no exemption, there are
19 different rules and regulations and things that
20 apply as appropriate.

21 And I don't -- you know, while I do
22 think a certain -- you know, there is a certain

1 (inaudible) -- so, I think, my point is that the
2 CFTC rules and the NFA rules also do address most
3 of these concerns to the extent they need to be
4 addressed in that context, and I don't think it's
5 -- you know, I don't think a wholesale
6 incorporation of the Investment Company Act of
7 1940 applying it to commodity pools would make any
8 sense. I think the NFA and CFTC have thought
9 about the protections that are necessary and
10 incorporated them.

11 MR. BARNETT: Okay. So, we're sort of
12 out of time but really quickly -- and Warren,
13 you've been -- did you have another word --
14 because I know you've deferred out -- real quick,
15 just quick final statements and then we'll move to
16 the fund of funds topic.

17 MR. PENNINGTON: Yeah, I think my
18 comments in pointing out the protections in the
19 '40 Act were not as a suggestion to the CFTC of
20 what you should do --

21 MR. BARNETT: We didn't take it that
22 way.

1 MR. PENNINGTON: More of --

2 MR. FELSENTHAL: I just want to be sure.

3 MR. BARNETT: A risk guy -- a compliance
4 guy. Got it. Got it. Anything else before we
5 switch topics? Okay.

6 So, now we're going to move to our
7 second session and talk about fund of funds and I
8 guess we'll just start it -- you know, given the
9 fund of funds unique situation, as both an asset
10 manager and as an investor, how does your risk
11 management differ from the rest of the -- from the
12 direct investment funds.

13 MR. NICHOLAS: All right, so speaking
14 from the A&Q hedge fund solution standpoint, like
15 you said, you have to, I guess, break it down
16 between two different separate topics. Looking at
17 it overall, we have a internal risk group and then
18 we also have a risk committee that is external,
19 and so the risk committee is responsible for
20 reviewing the overall performance, how funds are
21 performing well within expectations, if our
22 products, which is what we call them not to

1 confuse them with the hedge funds we invest into,
2 have any of their own violations of guidelines
3 that may be in the offering docs, those would be
4 raised, you know, and they would look to, you
5 know, identify were those passive or active
6 breaches -- and what kind of timeframe that we
7 need to correct that.

8 Nicole had touched on the fact that
9 there's an internal audit group within UBS that
10 will come through periodically to do reviews and
11 then we also have people who sit on the various
12 different committees, for example, I sit on the
13 investment committee, the manager approval
14 committee, the management review committee. We
15 also have the risk committee. I sit on that as
16 well. We're a bank. We have a lot of committees.

17 So, that's a part of the mosaic that he
18 talks about understanding people talking to one
19 another. The way we're actually set up as well
20 is trading desk style, which means, like this,
21 everybody's sitting around each other, all the
22 different groups, investments, (inaudible),

1 investor relations, so it's a very open forum.
2 So, if issues come up, we can discuss those and
3 address those.

4 Similar to what other people said as
5 well, we have a compliance culture that is, if a
6 issue does come up, raise it and let's figure out
7 how to deal with it.

8 The other side of the equation, I guess,
9 is when we're reviewing the funds that we're in,
10 you know, the investment team, you know, we talk
11 about expertise in the culture, a lot of people on
12 our investment team actually have trading
13 backgrounds or they've been chief risk officers at
14 hedge funds. We feel that's an important thing to
15 be able to understand of people we actually invest
16 into.

17 On the operational due diligence side,
18 some of us were former CFOs, chief risk officers,
19 controllers, people who came up through the
20 industry, so hopefully we understand some of the
21 issues that the hedge funds face, we understand
22 that things don't run perfectly every single day,

1 there's problems and errors that come up. That's
2 the reason you do reconciliations and train
3 people, and what we want to understand is their
4 culture, you know, how does that impact them.
5 It's something we would follow up on.

6 In addition to that, transparency has
7 become a more heightened thing in terms of
8 understanding the risks they're running. As a
9 part of the investment process, we try to
10 understand what kind of performance do we expect
11 out of them, what kind of volatility do we expect
12 to come with that performance, and a whole lot of
13 other statistical data that's probably not worth
14 going in here into this that's a little bit more
15 complex, but at the end of the day, it comes down
16 to, is performance in line with what we would
17 expect relative to indexes and peers, is
18 volatility aligned with that as well, and is there
19 a return relative to that risk in line with what
20 we're investing in? Okay, so that's the high
21 level.

22 The other thing we do is we want to

1 understand from an operational standpoint, are
2 they doing everything we've talked about, so our
3 approach, like some of our peers, is before we
4 make an investment we go on sight and we want to
5 sit down and we want to meet them, look them in
6 the eyes, look at the offices, and it depends, if
7 we're going to talk to a large firm, we'll talk to
8 the COO and the CFO, but we also want to talk to
9 people who are in the back office who are actually
10 doing the day-to-day.

11 If it's a smaller firm, and it's got the
12 five people, we'll probably meet with all of them,
13 and that's fine. And that's where we will try and
14 impress upon them that we understand they may not
15 have all the control infrastructure a large firm
16 might have, but what they can do is get as many
17 pieces in place to mitigate problems, and as we've
18 touched on before, that's where the third-party
19 service providers come into play, that's where the
20 independent administrators are much more
21 important, because we're going to place more
22 reliance on their controls and have them involved,

1 which may mean they have to sign off on the
2 movement of cash in addition to what might be
3 going on within the fund.

4 We're going to be looking at them to
5 look at the valuations much more closely. Here
6 where we're talking about, you know, funds that
7 fall under the CFTC, many of these happen to go
8 through exchanges, so the valuations are a bit
9 easier to deal with. You know, but you could also
10 have things that might be forwards that they have
11 to do some kind of correlation analysis.

12 We spend time looking -- and, you know,
13 the other thing we do is we do an onsite review
14 about once a year as well and we cover all the
15 same topics that we covered in the first time
16 through and we want to understand how things have
17 changed.

18 What we don't do is ask, has anything
19 changed in the past year, and have them say, no.
20 What we do is we actually walk through everything
21 again, right? And then our approach has always
22 been, if there's something they're doing, which we

1 don't think is as strong as we need it to be,
2 that's where we'll have suggestions and we'll work
3 with them and we'll say, example, maybe only one
4 person signs off on cash. You know what, guys, we
5 really want to see two signatures. We want to
6 make sure that at least one of those signatures is
7 somebody in the back office, if possible. There
8 could be a situation where the portfolio manager
9 is valuing the securities and we'll say, no. What
10 we want to do is have the administrator valuing,
11 we want to have the back office to value, but we
12 do want the portfolio managers to look at it to
13 make sure it makes sense. So, those are a couple
14 examples.

15 We have cases where we meet with the
16 compliance people and we don't feel like they have
17 taken the responsibility as seriously as they need
18 to, and that will be discussions we'll have with,
19 you know, one, we'll convey that to the compliance
20 team, but we'll also go directly to the CIO and
21 the COO and say, we think we need some
22 enhancements here.

1 It may involve having to bring in a new
2 compliance officer. It may mean bringing in
3 additional people. And it's not the same answer
4 for each firm, you know, so if we were to talk
5 about some of the really large firms, it wouldn't
6 be uncommon to see ten compliance people running
7 around. Frankly, we would expect it. They have
8 to. They're trading in all the different
9 geographies.

10 We have a small firm we're looking at
11 now with four people. The COO is acting as the
12 compliance officer, he has some background in it.
13 I can't claim that that's his strongest forte, so
14 what do they do? They work with some of the
15 outside vendors, a few come to mind, and they
16 could do it both in the U.S, there's groups like
17 this over in Europe, and in Asia, and we spend
18 time getting to know those service providers to
19 make sure they really understand what they're
20 doing.

21 And what I will say is it's not uncommon
22 for those service providers not to only help the

1 small firms, but to also help the very large firms
2 as well, and one thing they'll do is do mock
3 audits where they'll go through and test the
4 controls. And one of the things that the smaller
5 guys might get hit on first is they might say,
6 well, these are our policies, but they haven't
7 drafted anything. So, we want to make sure that
8 they've drafted something so that that's what they
9 follow, and then have somebody test that, which is
10 usually going to be one of the compliance groups.

11 As a part of our process, we also will
12 look at reconciliation, so we want to make sure
13 that the trust would verify the information they
14 had told us is accurate. So, show us that the
15 values you have is consistent with what your
16 pricing sources say and with the administrator and
17 the prime broker or FCMs. Let's make sure that
18 the positions you claim you hold actually tie back
19 to the custody records. Let's take a look at cash
20 controls and look at reconciliations.

21 So, I can't claim that we do a full
22 audit. We don't. That's not what we're hired to

1 do. We're much more from a consulting
2 perspective, but we think that we're able to do a
3 process-driven but risk-focused approach on the
4 funds, and its continual monitoring and like Greg
5 had said, understanding who are the
6 counterparties, who are the FCMS.

7 If we hear of a potential issue in the
8 industry, we want to understand, what are our
9 risks, what are our exposures, and you know, we
10 may talk to different firms and say, how are you
11 assessing the risk with your different
12 counterparties as part of that process.

13 So, that's kind of a high level of how
14 we look at it, you know, from the top down, and
15 then at the funds that we actually invest into,
16 but it's a continual process and, you know, we do
17 some risk assessment of who we consider to be
18 riskier and who we don't. I can tell you this,
19 we're invested in over 200 hedge funds right now.
20 I've probably looked at 1,500 hedge funds since
21 I've been doing this, everywhere. If I was to
22 say, what is best practice across the different

1 categories to (inaudible) begin with, I've
2 probably got five hedge funds that can actually
3 accomplish that. Okay?

4 So, the best practices versus the bar to
5 actually meet our standards are different, and
6 that's fine, but we think it's really important to
7 be able to invest in both large hedge funds and
8 the new guys who are spinning out because we think
9 they offer different opportunity sets and so we
10 consider that when we, I guess, create our
11 portfolios.

12 MR. ROBBINS: I think our process is
13 very similar to what UBS does, so I don't have a
14 ton to add on the granularity of what James was
15 saying, but I do want to point out one thing that
16 I think is implicit in what he was saying but is
17 just critical to keep focused on as you think
18 about the difference between our business and the
19 direct trading business, which is, we are one step
20 removed from the asset, right, and so as you're
21 thinking about the processes we do in building
22 these, you know, tracking indexes to judge whether

1 the managers are doing what we expect them to do
2 -- and, again, I want to make really clear on
3 this, risk isn't a bad thing, right, you have to
4 take risk in order to have return. It's whether
5 the risk you are taking is within the expectations
6 that you've set with your investor base. And so,
7 what we're constantly trying to do is, on a month
8 delay, because that's when we're getting final
9 returns reported and whatever position
10 transparency we would get reported, and I think
11 this is one part of risk that may not have been
12 talked about a lot, for a significant percentage
13 of our portfolio, for 80 percent -- more than 80
14 percent of our assets under management, we either
15 get position transparency reported to us directly
16 or through a commercial risk aggregator.

17 So, there are third-party risk
18 aggregators out there who, if a hedge fund manager
19 isn't comfortable reporting positions to us
20 because they're concerned about our acting on that
21 or doing something that they wouldn't like, they
22 report it to a third-party risk aggregator who is

1 not in the markets and that aggregator, in turn,
2 reports to us with less transparency than at the
3 position-level or on an aggregate basis with other
4 hedge fund managers so that we can't slice and
5 dice down to the position level.

6 My point being, that comes to us on a
7 delayed basis, right, and so in some respects it's
8 a little bit like the reporting the regulators
9 get. It has to come through on a delayed basis,
10 and so you're looking in the rearview mirror a
11 little bit on all of that stuff in terms of
12 understanding if your expectations were being met,
13 and then we are having monthly calls with the
14 managers who we invest with going over how their
15 returns may have differed from what our
16 expectations were or what the primary drivers of
17 return were and what areas of concern are arising
18 for them and their portfolio.

19 So, the challenges in our business of
20 being one step removed and being delayed and
21 evaluating risk in terms of what happened and then
22 rolling that up to our portfolio-level and saying,

1 okay, what do we think is going to happen in the
2 future and how are we running our portfolio
3 analytics, and at the same time recognizing that
4 the direct trading managers need to be constantly
5 changing positions and need to be constantly
6 changing their risk profile and adapting to that
7 adds a level of challenge to this that I don't
8 think we can kind of understate and makes it
9 really difficult for us to be as real time as
10 possible when we think about things like
11 regulatory reporting and I think we've written
12 some comment letters to the CFTC about the
13 challenges of responding to reporting within a
14 certain time cycle just because these guys have to
15 do their job, they have to get their NAVs
16 published and their information together, and then
17 they have to send it to us and we have to roll
18 that up from 200 different sources and get a
19 conglomerate from that, and then we have to
20 produce a report that goes to our investors and to
21 our risk management committees and things like
22 that.

1 So, I think the process is very similar.
2 I just want to make clear that that delayed aspect
3 of it introduces an additional level of challenge
4 that you don't have when you're interacting
5 directly with the asset, so.

6 MS. RODRIGUEZ-AYALA: And that's what I
7 actually would view as the difference in a fund of
8 fund versus a direct trading fund. So, if you
9 look at the schematic we put together, we said,
10 oh, the five general risks, which everybody has
11 talked about, all of those risks apply to
12 everybody, but the issue for us is that that
13 investment risk is on a delayed basis. We don't
14 have position-level information and so we need to
15 do everything that James talked about to try to
16 get in front of it as much as possible and try to
17 get as much information as possible as we can
18 about all of these risks without having that
19 position-level information.

20 And I think that's where the big
21 difference is, because something like liquidity
22 risk, sure, we're intermediaries of liquidity,

1 meaning our investors get certain liquidity, our
2 portfolio doesn't 100 percent match that
3 liquidity. That's the point. There's different
4 strategies in the portfolio. We have to worry
5 about making sure that the portfolio can match the
6 investor's liquidity. Direct trading funds have
7 to do that as well, right, they could give
8 investors monthly liquidity and then put private
9 equity investments in there and they just blew the
10 portfolio, right, so they have the same concerns
11 about everything else. For investments for us,
12 it's just the delayed aspect of it and the lack of
13 transparency in a portfolio-level basis.

14 Having said that, as fund of funds and
15 as allocators, our job isn't to build a portfolio
16 of positions. Our job is to build a portfolio of
17 hedge fund investments and a portfolio that works
18 together. And so from our perspective, it's an
19 issue about minimizing the risk of position-level
20 issues while making sure their portfolio meets the
21 expectations of our clients at the strategy level
22 and at the allocation level.

1 MR. NICHOLAS: I might just add one
2 thing. I mean, we've talked about the rearview
3 mirror a little bit. What I would point out
4 though is many hedge funds provide weekly NAV
5 reports or performance returns, so, you know, it's
6 a little delayed but you usually get it within a
7 -- you know, if they calculate on Friday, you get
8 it on Monday. If there's big events taking place
9 in the market, Crimea, right, you have a general
10 idea of which hedge funds that you're invested in
11 might be most impacted by that, you're not sitting
12 waiting until the end of the month to get on the
13 telephone with those guys. You get the portfolio
14 manager on the phone that day and talk about, what
15 does the portfolio look like, what kind of changes
16 might you be making so that we could expect that.

17 And then, based on those conversations
18 when the returns do come in, if those diverge,
19 that's when you would have a follow up
20 conversation. So, you know, you're not blind.
21 Your better transparency might be when you get all
22 the aggregate data in at the end of the month,

1 but, you know, the way the teams tend to be broken
2 out is people specialize, they're assigned by the
3 different hedge funds, their job is to understand
4 what's taking place in those hedge funds so that
5 the expectations of what we expect to see are
6 either consistent or not, and based on that, you
7 then decide whether to stay in the fund or not.

8 MR. LANDO: I was just going to make an
9 observation. I understand the distinction you've
10 kind of drawn in this panel between the trading
11 funds and the fund of funds, but I think a theme
12 that is even broader, and picking up on something
13 Emma said earlier, is that one of the good things
14 -- or what I find particularly helpful about this
15 industry is that it's an industry that encourages
16 innovation, it encourages creativity, and allows
17 for a lot of differentiation.

18 So, I think that the spectrum is
19 actually a lot more nuanced than just saying
20 trading fund and fund of funds. You know, there's
21 funds that invest in equity, in credit, in
22 commodities, in all kinds of different things, and

1 I think that it is appropriate for each one of
2 those organizations to develop their own
3 procedures, their own method of overseeing risk.
4 To some extent, they're all going to be subject to
5 certain factors. I think Greg touched on it
6 earlier about the other participants in the
7 industry, the administrators who are going to do
8 their own function, the prime brokers, the
9 custodians, the fund auditors, the fund boards.
10 There are a lot of other external, you know,
11 players that we don't get to control and they're
12 going to impose their own rigors on what anybody
13 does, no matter the size of the organization, but
14 I would expect, you know, a three-man shop to look
15 very different from a 200-person shop and, you
16 know, I'll speak in terms of our firm. The way we
17 are today is not the way we were five years ago,
18 nor should it have been. Our firm has evolved and
19 I think it's appropriate to expect that kind of
20 differentiation.

21 MR. PENNINGTON: At the risk of
22 restating the obvious, I would say that, you know,

1 in terms of our platform and other RICs, you can't
2 have fund of fund structures not related to
3 commodity pool operators and the kinds of things.
4 We also have multi-manager platforms. We'll have
5 a fund with multiple managers on it, but the risks
6 more related to lack of transparency and valuation
7 aren't necessarily captured as much because of the
8 daily mark-to-market evaluations.

9 MR. LLOYD: Just to follow up a little
10 bit on the points of -- on liquidity and daily
11 pricing, some -- there is a big difference between
12 if you're trading futures and forwards contracts
13 that are priced -- you know, exchange-traded, at
14 least in futures and then priced daily. A lot of
15 CTAs will do daily estimated NAVs, you know, that
16 you can get by calling in to help with -- to help,
17 you know, the funds and the other investors who
18 are not, you know, seeing the positions on a daily
19 basis, so that helps as far as that type of
20 disclosure, but also from a liquidity standpoint,
21 you know, there's a huge difference between what a
22 lot of CTAs do and things like private equity,

1 right.

2 So, as a matter of fact, in the 2008
3 credit crunch, a lot of CTAs, you know, viewed
4 themselves as being treated as sort of, you know,
5 cash machines because so much of the portfolio is
6 segregated and kept in cash and can be used to
7 meet redemptions.

8 So, it does really make -- you know, to
9 second Dov's statement, it really does make a
10 difference who you are and what you're trading.

11 MR. BARNETT: Going back to the
12 interesting discussion about the -- you know,
13 managing the diversions between expectations and
14 actual results. So, as you're dealing with the --
15 you know, the -- okay, speak up. Okay.

16 MS. OLEAR: I'm having a hard time
17 hearing you.

18 MR. BARNETT: All right. Dealing with
19 the delay and some opaqueness, and then you're
20 going through a commercial aggregator to get some
21 information, getting what you can, and you're
22 deriving some expectations and then you're finding

1 the actual results may be in -- so, then you're on
2 the phone with the fund manager. To what extent
3 does that opaqueness -- how much opaqueness is
4 there when you've got -- you're sort of -- your
5 expectations aren't being met, you're back to the
6 fund manager saying, what's going on, you're not
7 telling me the exact positions, and -- but they
8 have to kind of explain what's happening? Can you
9 --

10 MR. ROBBINS: Yeah, well, I want to be
11 clear. I mean, when we invest with a fund manager
12 who doesn't provide us position-level
13 transparency, that's intentional, right, we go
14 into it knowing that we're not getting that and
15 feeling very comfortable that we can still manage
16 the risk of that investment. And when we do talk
17 to the manager and say that performance was
18 outside of expectations, I can't think of an
19 instance where we haven't understood why that was
20 the case.

21 Now, it has occurred that when we've
22 understood that, we have been very upset. I don't

1 want to -- you know, sometimes you find out that a
2 manager has engaged in style drift or done
3 something unexpected. Sometimes it's a, hey,
4 look, I had one position that just hit and it was
5 unexpected or there was something expressed
6 through an options position and there was more
7 implied volatility than realized volatility or,
8 you know, there can be different ways exposure is
9 taken that lead to different results even though
10 the positions moved exactly the way everybody
11 thought, so.

12 But there can be failed expectations and
13 when that happens, it is very typically a
14 conversation with the manager of, okay, should we
15 be thinking about your fund differently, are we
16 okay that you've now taken this big concentrated
17 bet, if that's what's happened. If it did happen,
18 are you planning on scaling out of it? What's
19 your timeframe? You know, it isn't necessarily a
20 fireable offense that someone has violated our
21 expectations, but we absolutely need to know
22 immediately what the plan is for either adjusting

1 our own expectations, because we have faith that
2 the manager can do what they've now taken on,
3 which was outside of our expectations, or that the
4 manager is going to get back within expectations.

5 Or, the third choice is, they say, you
6 know what, Mesirov, we appreciate that you have
7 your expectations. We think the rest of our
8 investors would be totally comfortable with this.
9 It sounds like this relationship may be over. And
10 that's when we, you know, submit a redemption
11 notice.

12 So, it's not -- you know, it is an
13 ongoing conversation and as firms evolve and
14 markets evolve and positions evolve, I don't want
15 to -- it's not crazy unusual that these things
16 happen and that hard conversations take place on
17 the back end of them, and typically they're
18 resolved to everybody's satisfaction, but
19 sometimes, you know, we part ways with managers
20 because of it, so.

21 MR. MITAL: Greg, I'd imagine that those
22 gaps between expectations and results are probably

1 not that -- are fairly atypical because from the
2 fund perspective who has these investors, it's not
3 a good business model to not be transparent, to
4 not be ahead of the curve, to not let people know,
5 hey, here's what we're doing. You know, so I'd
6 say, you know, for the most part forgetting, you
7 know, risk management or what we should do from a
8 just pure business perspective, people are going
9 to communicate with their investors.

10 MS. PLAVAN: As someone who's spoken
11 with a lot of your colleagues at both of your
12 firms, I'm well aware of how the frequency, the
13 level of understanding of our client base, and the
14 expectation that, you know, what we've set out and
15 said we were going to do is something that we're
16 going to follow through on and if there's
17 deviation in any, you know, material or immaterial
18 way, our clients are really the first that are
19 going to want to know about it and want to
20 understand, you know, and maybe to interpret that
21 maybe to their end investors, to their boards, or
22 constituencies.

1 So, I would say we're very aware of what
2 any deviation from sort of what we've set forth in
3 our business model and business practices might do
4 to our client base.

5 MS. RODRIGUEZ-AYALA: And to clarify
6 something that might not be apparent to somebody
7 that doesn't look at our systems, the reason why
8 we can set expectations, even without
9 position-level information, is because before we
10 even make the investment, we have a quantitative
11 process of benchmarking what we expect from each
12 managers given the information that they've given
13 us, whether it is position-level information or
14 risk reporting from the aggregator or specialized
15 reporting that the manager provides to us that's
16 not position-level but it's robust enough, and
17 other market benchmarks.

18 And so, before the investment is even
19 made, we have a benchmark that we say, this is
20 what we expect from the manager and this is how
21 they have to perform, and so that's what we're
22 constantly comparing them to. So, we're not

1 comparing to position-level information,
2 necessarily, but we are comparing to a benchmark
3 that the manager himself set for us and has agreed
4 to and that's where we have those sort of
5 discrepancies that we can go to the manager.

6 MR. BARNETT: How does it translate to
7 your investor base then? So, there's kind of a --
8 you know, there's in some way what I'm hearing is
9 sort of there's a time lag and some opaqueness,
10 but it's not that serious because you've got --
11 you kind of get there anyway because you kind of
12 have -- they kind of have to get you there. So, I
13 don't know really how much there is, but
14 ultimately you have to translate that. You can be
15 comfortable because you live with it. How about
16 does it change the nature of your investor base?
17 Does it take more of an education process for
18 investors? How do you deal with that end of
19 things?

20 MR. NICHOLAS: I'll go. I can talk
21 about it. Yeah, so one of the things we do when
22 we are speaking to potential clients is, one,

1 understanding, you know, what their level of risk
2 is, we offer a variety of products making sure
3 that they get into a product that makes sense for
4 them. In many cases now we're actually creating a
5 new product that's just for them with their own
6 guidelines, okay. And in that, it covers a
7 variety of things from expected risk of
8 performance to volatility to number of positions
9 that might be in the portfolio, to the different
10 types of strategies. Depending upon the client,
11 some want to get updates monthly, some quarterly.

12 I think one thing, you know, that's
13 worth highlighting where we are different from the
14 mutual funds is nobody's coming into a fund of
15 fund or a hedge fund with daily liquidity
16 expectations. Usually it's monthly, quarterly, we
17 have some that could be annual, right, and you try
18 and build a portfolio based upon that. And I
19 think one of the things we look at, you know,
20 while we're looking at the returns is, does it
21 make sense with what's going on in the
22 marketplace? At the end of January nat gas was

1 going crazy, right, so you'd be speaking to the
2 natural gas investors that we have and
3 understanding, did they make money, did they lose
4 money, and then really understanding as best we
5 can what positions they had on and were they
6 playing within that part of the curve, because,
7 you know, not only is it understanding, you know,
8 why did they make money, but does it make sense,
9 is it consistent with our understanding of what
10 they have.

11 I can tell you we have different types
12 of investors that want more drill down than
13 others. Some want a lot of detail in terms of how
14 do they make money, where do we see things going a
15 couple months out, and how that might impact their
16 portfolio. We have some who are perfectly happy
17 to -- they'll get the updates but it's really once
18 a year that they want to know what went on in the
19 portfolio and how did that fit into their overall
20 portfolio.

21 Many of our investors are big
22 institutions or endowments or pension plans. The

1 reality is their allocation to us and to hedge
2 funds, the alternative piece, is 2, 3, 4 percent.
3 It's very small, right. So, you know, it helps in
4 terms of their overall portfolio performance and
5 based on that is, you know, what they're looking
6 for.

7 What we do provide -- I think it's
8 accurate to say we provide all of our investors
9 with some kind of monthly report in terms of how
10 they performed and how those strategies performed,
11 and then, you know, depending upon how the
12 relationship was established, some will get, you
13 know, more frequent feedback from us, so both
14 onsite where they come to meet us and then in many
15 cases we'll go onsite to meet them.

16 MR. ROBBINS: That's right. I mean, the
17 answer is it depends on what the investor wants.
18 There are investors who are content with a monthly
19 report of performance and there are investors for
20 whom, before we would put a manager in their
21 portfolio, they want basically what I'll call a
22 mini due diligence report that outlines who the

1 principles are, how we expect the strategy to
2 perform, what we think the principle risks are,
3 and they want to know a lot about that, what we
4 think the performance profile will be, and then
5 we're having monthly calls with that investor
6 walking line item by line item through the
7 portfolio.

8 So, again, as we think about this risk
9 management mosaic, if we don't get a great
10 translation from the MKP team, as a for instance
11 to us, as to what's going on in their portfolio
12 and translate that in a way that we provide our
13 investors with confidence that we know what
14 they're doing, you know, we've all got a big
15 problem in terms of whether that investment will
16 be ongoing.

17 So, you know, there are investors who
18 just want the snapshot and investors who want to
19 know exactly what they own all the way down, so.

20 MR. LLOYD: Just on the issue of
21 transparency, from the trading company's position,
22 obviously there's a balance because it's the

1 intellectual -- it's our intellectual property,
2 right, it is what, you know, makes -- what does
3 everything for us. So, you have to balance the
4 need for investor transparency with protecting the
5 intellectual property. What you have to do, quite
6 frankly, as the fiduciary for your clients.

7 So, you can -- if there's a big -- if
8 the fund of fund or the institutional investor is
9 a big enough investor they can allocate to a
10 managed account, which can get them transparency,
11 and obviously, you know, all the CTAs who are the
12 end doing, you know, the trading just need to, you
13 know, try to balance the need for making the
14 investors, you know, confident in what they're
15 doing with, you know, protecting their
16 intellectual property. So, it is -- and there is
17 some give and take on, you know, like Greg said,
18 can we give it to you a week delayed, can we give
19 it to -- you know, so they're, you know -- so, the
20 groups do work -- you know, the CTAs and the fund
21 of funds or the institutional investors work
22 together to try to find the right balance for them

1 and for their ultimate clients.

2 MR. NICHOLAS: I was just going to echo
3 what Tom said. We don't require full transparency
4 from the funds and I would say in the vast
5 majority of the cases, we don't have full
6 transparency. But what we do have are various
7 risk measures that we look at that we receive from
8 them and in many cases that's actually easier to
9 understand because of the way they pair group
10 trades together, that we would not be able to
11 figure out based on full transparency.

12 Unlike Mesirow who does work with a
13 third-party provider, we don't. We have our own
14 internal system that we've developed. They do
15 many of the same things. You know, so just to
16 make it clear, we don't require the full
17 transparency and in some cases we think that might
18 actually make it more difficult for us to
19 aggregate and understand the information across
20 our portfolio.

21 MR. BARNETT: To do it internally do you
22 have to have information walls up or how do you do

1 that?

2 MR. NICHOLAS: So, our group sits
3 separately within its own part of the bank, walls
4 all around us. So, total information barrier.
5 We're on a completely different floor from the
6 investment bank, the prime brokers, anyone like
7 that, and all the information is kept in-house on
8 our own -- to my understanding, our own servers
9 that nobody else has access to.

10 We have a data team that actually has to
11 sit within our walls. We had looked at the
12 possibility, you know, of trying to outsource that
13 or in-source that somewhere else in the U.S. and
14 the bank was like, absolutely not, so that's why
15 we have a data team that actually sits within our
16 walls as well to pull that information together.

17 MR. FELSENTHAL: On the transparency
18 issue, you know, one thing to -- you know, I agree
19 with everything they all said and to echo a little
20 bit what Tom said is, it is a balance, so one way
21 -- you know, first of all, when we provide greater
22 transparency, we tend to do it pursuant to a

1 nondisclosure agreement and also what we try to do
2 is we try to take, you know, a least common
3 denominator approach to what we disclosed to --
4 you know, we were getting all sorts of requests
5 for all sorts of risk metrics, so we -- what we
6 tried to do was take all the risk metrics we were
7 being asked for, create a report that would
8 provide that to all of the -- that would provide
9 those risk metrics, that, you know, combine them
10 all into one report and provide that to everybody
11 who's requesting the risk metrics. So that way
12 it's a sort of a uniform kind of disclosure to
13 everybody rather than just to one individual or
14 one individual place asking for it.

15 MR. BARNETT: Okay. I think we're at
16 the end of our session. Are there any other
17 comments you want to make before we close it for
18 lunch? Okay. Well, great. Thank you. You're
19 terrific panelists. Thank you. Really helpful.

20 MS. OLEAR: We'll reconvene at 1:30.

21 MR. BARNETT: Thank you so much.

22 (Recess)

1 MR. BARNETT: Okay, we're going to get
2 started again. And we're now going into our third
3 session, and as it says in the agenda it's about
4 comparing experiences and best practices.

5 I had an interesting conversation right
6 after -- right before lunch and so let me see if I
7 can frame the issue and then throw it over to
8 Katie and Dov, we were talking afterwards, so to
9 start the conversation I was thinking, okay, let
10 me posit, this group is great, good guys, but is
11 there a concern about others who aren't doing all
12 that should be done? Are you hearing the concern
13 about the effect on reputation or negative impact
14 on investors who maybe didn't know to ask and
15 there weren't good risk management practices in
16 place? Should we hope for adoption of risk
17 management programs? Should we hope for best
18 practices, agreement on best practices worked out
19 through NFA and ICI and others? I mean, is that a
20 good thing?

21 But then how do you take into account,
22 is there an issue about cost of entry and freedom

1 to innovate? And I was hoping that -- just
2 interesting conversations and comments that I had
3 gotten from Dov and Katie as we were going, so can
4 I kick it over to you two to talk about your two
5 sides of the conversation? Is that not fair?

6 MS. PLAVAN: I think -- I guess the
7 first item really relates to, you know, what a
8 particular, you know, hedge fund manager or hedge
9 fund owner-managers want their business to look
10 like. Do they want to be, you know, a small
11 two-person, two- to five-person shop with a very
12 small, closely-held group of clients? And, you
13 know, they're comfortable with that type of
14 business model and they want to just kind of, you
15 know, trade, perform, you know, go about their
16 day-to-day.

17 But I think for firms that do want to
18 see, you know, continued growth and gain stature
19 in the industry, gain credibility with dealers,
20 continue to hire ever and ever, you know,
21 difficult to find performing portfolio managers,
22 you really need to grow your business, grow your

1 assets under management, and that growth really
2 comes with the investor demands across the board.

3 So, you know, firms that want to evolve,
4 want to, you know, become larger and have bigger
5 breadth, are going to really only be able to do
6 that if they're willing to, you know, meet the
7 demands of their investor base and so I think it's
8 -- I don't think that there's a need to sort of
9 impose something on these firms because it's
10 really part and parcel of their growth and the way
11 that they ultimately will only be successful is if
12 they are, you know, kind of adhering to various,
13 you know, imposed standards that really are part
14 of their, you know, business model.

15 MR. LANDO: Yeah, I would just add on
16 that, first of all, just to set some context, I
17 mean, to ask about whether there should be best
18 practices is almost to suggest that there are no
19 standards now and then the question, should there
20 be standards. And I think as already was
21 mentioned earlier on in the panel, that there are
22 a lot of things that already exist in the industry

1 that establish certain practices such as, again,
2 I'll repeat some things that were said before, the
3 fact if you're regulated by the CFTC you go
4 through the NFA self-exam, if SEC, you have the
5 SEC's annual audit, you have -- your funds will
6 have external financial audits, you'll have boards
7 of directors that bring their own rigor, you have
8 your administrator, your custodian, all these
9 participants in the industry that frankly it is
10 already the case that anybody who's in this
11 industry and is operating and pretty much what the
12 standard process or structure that any hedge fund,
13 no matter how big or small, is already subject to
14 a lot of these things that have been established
15 in the industry for very good reason in that they
16 largely accomplish a lot of the things that you
17 would think you would want to be accomplished with
18 best practices.

19 Beyond that, I do think that there needs
20 to be room for creativity, for innovation. The
21 industry is what it is today because, you know,
22 10, 20 years ago a lot of smaller organizations

1 were able to start, were able to succeed and to
2 evolve to where they are today and there needs to
3 be that constant, you know, new blood being
4 brought into the industry. Frankly, there's a
5 higher barrier to entry in the industry now than
6 there ever has been and it already sets a very
7 high standard. If you want to launch with the
8 kind of assets under management that you need to
9 be successful, even from day one, you're going to
10 have to meet the market demands that are much more
11 rigorous than they were, say, ten years ago.

12 So, those are kind of self-imposed,
13 whether it's from, you know, the businesses who
14 know what they need to do in order to succeed,
15 from the client base, the fund of funds or, you
16 know -- and obviously, not just the fund of funds,
17 institutional clients using consultants are also
18 very demanding these days, even if you go to the
19 high net worth, if you're on a platform, a private
20 bank platform, those platforms are similarly very
21 demanding.

22 So, I think that there is already this

1 -- all this is imposed already on the funds of all
2 sizes.

3 MR. BARNETT: Let me just add one other
4 element for your consideration, just to throw it
5 out as it occurs to me. So, we know we're in an
6 environment where, whether it's due to Volcker or
7 Basel or whatever, that there will be, to the
8 extent there's a move of risk, for instance, from
9 banks to the less regulated space, to the
10 unregulated space, there will be an increase in
11 risk there. Just a hypothetical or theoretical
12 question, but do you -- so, you'll be new players
13 and different strategies and things that will
14 absorb some of those things that get shedded. So,
15 is it another consideration to think about, okay,
16 here comes more risk, we can either wait until
17 after there's a problem and then you see a
18 reactive response to it or is it -- is there also
19 a benefit for industry to, you know, have a focus
20 on risk management and to incentivize some of that
21 for -- obviously, it doesn't affect you, but for
22 others, is there also another reason to do it?

1 So, and how does that play in, I guess?
2 So, you've got on the one hand, if you want to be
3 a large player, the investor side, I guess, and
4 the other considerations are going to force you
5 there versus the desire to have room for
6 creativity, and then I just would like to throw
7 into that mix, and what about the idea that
8 there's going to be changes in the fund space as
9 things -- as there's sort of a structural change
10 of some things, I don't know what, but out of
11 banks and into -- seeking a less regulated space,
12 is that any kind of concern and should that be any
13 kind of a consideration on whether industry wants
14 to get ahead of the space, and is this any way to
15 manage that risk, is that something that should be
16 considered?

17 MR. LLOYD: I would say, to echo what
18 Dov said, first about there really is a high, you
19 know, barrier to entry now, right, you know, and
20 that is, you know, making it more difficult for
21 people to get in, but it's also making it more
22 difficult for people who aren't risk-focused to

1 get in. And I would say that the -- I mean, some
2 of the things you heard, particularly from, you
3 know, the fund of funds folks, the industry, the
4 market, has, on its own, adopted -- adapted to
5 what's going on. I mean, very quickly after the
6 Madoff situation we had been -- you know, we'd
7 been in business 40 years, we've been
8 self-administering, doing our own NAVs, we were an
9 SEC-registered transfer agent. We immediately
10 started to get pressure from, you know, selling
11 partners, in particular, especially selling
12 partners who sell to accredited investors that,
13 you know, they simply were not going to be able to
14 accept firms, you know, that are purely
15 self-clearing anymore.

16 So, the marketplace is driving this
17 focus on risk and it has been happening.

18 So, I do think -- you know, everybody
19 says we're all always fighting the battle of the
20 last, you know, crisis, and I think that the
21 market does react to it more quickly and I think
22 the market has reacted to it relatively quickly.

1 MS. RODRIGUEZ-AYALA: Just to clarify
2 your question about Volcker and Basel. Are you
3 trying to get at if hedge funds fill the gap of
4 the more illiquid or sometimes they're called
5 riskier, but let's just say illiquid assets that
6 banks are pulling out of, if hedge funds get into
7 that gap, does that increase their risk to
8 portfolios? What sort of risk are you trying to
9 get at? I just want to make sure I understand.

10 MR. BARNETT: Okay, I mean, I'm not even
11 sure it'd be hedge funds, per se, but you know,
12 you read about funds set up to invest in
13 portfolios of loans because banks -- when the
14 banks weren't lending enough. Is that a hedge
15 fund? I don't think so --

16 MS. RODRIGUEZ-AYALA: So, your concern
17 is that the risk in the portfolios is increasing
18 because they're filling back up now --

19 MR. BARNETT: But the risk to the
20 investor, then, is if there's not, you know,
21 appropriate diligence, is that a risk? I mean, if
22 your concern is that there's a blow up in a space

1 and then there's a regulatory response or there's
2 an investor reaction, is it something that, you
3 know, people want to get -- is that a reason to
4 try to get ahead of it, again, through industry?
5 I'm not proposing any of that, I'm just -- you
6 know, or not? Just putting that into the
7 considerations about barriers to entry versus loss
8 of creativity. I'm just saying, we're also in a
9 period of shifting markets and, you know, to some
10 extent there will be new risk, new types of risk
11 that come in and they're not you folks and maybe
12 they don't have the same -- but you might be
13 impacted by the same kinds of considerations to
14 damage to the market, damage to the investor base,
15 and so on.

16 MR. ROBBINS: Yeah, and I think, you
17 know, if you look at the impetus behind the
18 Volcker rule, right, it's to move risk off of
19 banks' balance sheets to decrease the risk of
20 failure at a bank and one thing that I think -- I
21 just want to point out in terms of the risk
22 implicit in -- some of that trading activity is

1 going to hedge funds and hedge funds are finding
2 it very profitable space to get into because, as
3 the banks shrink, and this is a real danger to the
4 markets from my perspective and we see it in what
5 goes on at our underlying managers, the number of
6 sources of liquidity are decreasing, right, so as
7 banks merge, as banks get out of businesses, you
8 used to have ten market makers or ten possible
9 sources of liquidity, those are shrinking and so
10 different parts of the market have to start
11 supplying those and if there are fewer suppliers,
12 spreads are wider, there's more profit to be made
13 there, but then that comes out of somebody's
14 pocket in terms of the wider spread, right, but
15 one point I would make out in terms of -- hedge
16 funds don't have leverage implicit in their
17 balance sheet or a balance sheet where they can
18 write that leverage from like some banks did,
19 right.

20 So, they are often -- if a hedge fund is
21 going to get leverage, it has to get it from
22 somewhere, right, there's not -- they don't

1 magically have this balance sheet that creates
2 that. So, there is an inherent break through the
3 counterparties they're interfacing with to get
4 that inherent leverage, right. If you're trading
5 futures contracts it's through an exchange where
6 exchange rate margin is being required. You know,
7 swaps contracts are now headed the same direction.
8 And if they're getting leverage from a PB desk,
9 the PB is assigning risk weights to that and
10 putting the brakes on the amount of leverage that
11 can be inherent in those trading structures.

12 So, it is different in terms of kind of
13 the unmonitored risk that goes on, again, for some
14 of the reasons we talked about in kind of the
15 third-party check space, those are inherent in the
16 relationships hedge funds have set up as they go
17 into this business because they need sources of
18 capital to do that.

19 So, I hope that makes sense, but I think
20 it's -- from a market risk perspective, it's
21 different in kind because you just can't see the
22 levels of leverage due to the places that leverage

1 has to come from.

2 From an investor risk, Dov pointed out
3 that there are -- you know, because these aren't
4 regulated investments, a large brokerage firm
5 doesn't just throw open the doors and say, hey,
6 everybody who wants MKP, come get MKP, right?
7 There are only certain brokers who are allowed to
8 sell it to only certain types of clients and only
9 after the brokers due diligence team has
10 completely gone through that hedge fund manager
11 and done a similar due diligence process to what
12 we described.

13 So, there is the gatekeeper function
14 that's still in play and the minimum levels of
15 investment that are required to access a hedge
16 fund serve as the deterrent for anybody to do
17 anything but go through a gatekeeper or apply
18 extreme due diligence measures themselves to the
19 extent they're capable of it.

20 You're not going to prevent -- and I
21 forget who was talking about it before -- you
22 can't legislate away fraud, right? There will

1 always be some guy ginning up brokerage statements
2 on an inkjet in his basement and handing them out
3 to gullible people. Those aren't million dollar
4 tickets though, right, those aren't even for the
5 entrepreneurial hedge fund out there. So, I think
6 we need to distinguish those circumstances, which
7 none of us in this room can prevent,
8 unfortunately, from what we can monitor and can
9 prevent. So, I hope that makes sense.

10 MR. MITAL: I'll give you four different
11 perspectives, the first relating just to what Greg
12 said. When I was at the SEC, you know, I had two
13 different types of cases typically, and all of my
14 cases were hedge fund cases. You had the Ponzi
15 schemes, right, where you had people claiming to
16 be a hedge fund doing -- I mean, they're going to
17 figure out whatever the flavor of the month is and
18 they're going to be fraudsters. Or then you had
19 the more systemic risk type of issues, be it
20 insider trading, trading in swaps without, you
21 know, having real ownership, things like that, and
22 there, in '04, '05, it was the Wild West.

1 We couldn't figure out who was who,
2 there was no information, but that's changed,
3 which leads me to my second perspective that at
4 Halcyon, we've been lobbying since 1997, when we
5 registered, for mandatory registration, and now
6 there is that and a lot of it is just to identify
7 the people because it is reputational. You know,
8 we're probably in the second or third inning of
9 the institutionalization of our industry. You
10 know, these guys are our investors and for the
11 main growth, it's these guys' pension funds. You
12 know, the high net worth is really shifting
13 towards '40 Act funds and you see hedge funds,
14 including us, that have '40 Act funds. Or, you
15 know, there are still a lot of protections, so
16 it's -- where as in the late '70s, early '80s, the
17 hedge fund industry was high net worth, that's not
18 the case anymore.

19 The third perspective I have is looking
20 at what's happening to the CLO market. And, you
21 know, in the UK and in Europe, it's completely
22 dried up and corporate lending has dried up

1 because of artificial rules and barriers created
2 by the government.

3 Here, you know, there's a risk retention
4 proposal that the LSTA and the MFA and others are
5 fighting, and you know, for good reason given the
6 fact that, you know, these aren't high fee models,
7 they're -- you know, people are already involved,
8 but it's creating friction to new issuance, it's
9 leading to concentration, and it's having an
10 effect on corporate lending, and that's bad for
11 the economy.

12 And so that's now the final, going back
13 to Europe, you look at AIFMD and the types of
14 legislation that are being imposed by the European
15 markets, and it is killing the industry and it's a
16 really bad thing. I'm a pro-regulation, pro --
17 you know -- government guy, but you shouldn't tell
18 smart people that they can't negotiate contracts
19 or agreements the way they want to. You shouldn't
20 tell hedge funds how much leverage you can impose.
21 We didn't create any of the problems in '07, '08,
22 right, we're not eight, ten times levered, and,

1 you know, if people want to come to me for a
2 five-year lock up vehicle doing purely illiquid
3 litigation financing things, they should be able
4 to do it. They want me to do long credit, short
5 CDX fund and create it, they should be able to do
6 it. And that's where we come in and that's what
7 we provide, and now that there is mandatory
8 registration, you can find us, but on top of that,
9 to impose more layers would only stymie
10 innovation. I mean, it's already -- you cannot
11 start up a hedge fund right now without a seven
12 figure spend on compliance. It's impossible.

13 You know, you used to have people
14 starting with \$50, \$100 million, now you need --
15 to have a successful launch you have to have at
16 least \$400 million, and parochially, that's great,
17 right, it's barriers to entry, that's good for us,
18 but stepping back, it's not really a good thing
19 for me as a person because I want to be able to
20 invest in and see innovation.

21 MR. BARNETT: So, let me not exactly
22 push back, but distinguish a little bit. So,

1 let's pretend that we lived in a world where
2 instead of Volcker, we had imposed risk-based
3 deposit insurance premiums. And let's assume that
4 instead of risk retention by owning some of the
5 originated assets, we had had the originators
6 retain underwriter risk through reps and
7 warranties that were required to be backed by
8 capital or something like that.

9 So, instead of talking about those
10 risks, per se, we're still talking about then the
11 people who invest in those risks who aren't you,
12 but new people going into the markets. So, we're
13 not creating liquidity risk by -- because you guys
14 are arguing with the legislation, I'm not talking
15 about legislation. I'm talking about people who
16 are coming into the market to set up funds and
17 taking on risk and we're just talking about risk
18 management, we're not arguing -- I'm not trying --
19 it's not just Volcker, it's 200 percent risk
20 weighting of assets under -- you know, whatever,
21 where it becomes less economic to hold it there
22 and you move it. I'm trying to focus on people

1 who are going to take on risk because there
2 becomes a little bit more of an arbitrage to take
3 it on in the space.

4 MR. MITAL: Right, so I can't speak
5 about Volcker because I just don't know it, but I
6 can tell you about risk retention. There's the
7 underwriter proposal which, you know, doesn't work
8 because the banks don't -- you know, that's not
9 what they're doing. They're not underwriting,
10 they're just putting together the portfolio, and
11 the problem to me in all of this is that we are
12 saying, this is the right risk management tool,
13 instead of, you know, saying there are many
14 different risk management tools, let the investor
15 and the manager figure it out so long as people
16 have the right incentives and the incentives are
17 aligned, and we can monitor them and we can
18 enforce, you know, what laws are there.

19 To me, that's the better way to go about
20 it because otherwise we are mandating that we know
21 what the right risk management tool is, and it
22 doesn't account for innovation, it doesn't account

1 for, you know, the financial engineering and
2 adapting to markets, which is really why people
3 come to us. You know, I mean, that's one of the
4 best things that we can offer.

5 MR. NICHOLAS: I have a thought as well.
6 So, when I look at it, one of my concerns about
7 when you try and come up with, you know, is there
8 an absolute best risk management tool, usually
9 what happens is there's been a black swan event,
10 as they call it, and you don't -- you have another
11 black swan event because you haven't thought about
12 what that next risk is. So, my concern is if
13 people say, you know, if you do A, B, C, and D,
14 you should be able to manage the risk and the
15 reality is something always seems to come along.
16 So, that's one of my concerns.

17 The second is, if things do move out of
18 the banks into the hedge funds or private equity
19 or whatever vehicle, you know, one thing I think
20 the managers and the investors look at, first off
21 is, well, what's the liquidity profile that we're
22 getting into, okay. So, let's talk about loans.

1 Going into a monthly vehicle on loans would
2 probably not be what happens. Funds that we look
3 at currently, that are doing loans and actually
4 trying to fill in some of this gap tend to have
5 annual to every two-year to every three-year
6 liquidity or it's a five-year lock up with a run
7 off.

8 You know, so we then have to figure out
9 how does that fit into our portfolio.

10 The other thing I've noticed is
11 generally leverage is much -- is down quite a bit
12 from where it was back in '08. When you talk
13 about loans, those used to be done a lot on what
14 we call total recurrent swaps. That market is not
15 in existence the way it was before. Generally
16 managers are doing everything with cash, they're
17 not levered.

18 So, it doesn't mean they don't have
19 risk. If anything -- you know, they certainly are
20 taking on loans that maybe banks wouldn't have
21 stepped into that have some higher risks. They
22 have to consider that with loan loss reserves on

1 their books, but as an investor, that's something
2 we're willing to consider as long as the liquidity
3 makes sense for us and we can get comfortable with
4 how they diversify those loans across the
5 portfolio.

6 MR. MITAL: I think loans are a great
7 example because if you look at UCITS versus the
8 '40 Act, in a UCITS fund you can't transact in
9 loans. Now, I can transact in small cap bonds
10 that might trade once a month, but I can't
11 transact in IBM syndicated bank loan. So, to me,
12 imposing these false rubrics of risk management
13 because we view that being -- you know, that might
14 be -- bank loan is risky, is it's not really
15 addressing the right question.

16 MS. RODRIGUEZ-AYALA: What I would add
17 is, I think the message is, everything is
18 different, right, but I think we have to agree
19 that there is some baseline similarities, right,
20 and I think we've talked all about them and we can
21 say as a baseline, some of the regulations -- many
22 of the regulations already require detecting and

1 monitoring risks however that applies to your
2 business.

3 And I think how we view, when we invest,
4 and how I hope the industry views it is, we expect
5 each of our managers to have done that and we ask
6 about their risk management process in whatever
7 form that is. So, if you're thinking back on a
8 best practices, think it is difficult for us to
9 come up with an answer for that, but I think we
10 can all agree that it is best practice for
11 generally a manager to comply with regulations
12 that already require them to detect and monitor
13 risks.

14 So, I am not sure, because I think we're
15 all saying, it's different, it's different, but
16 there is sort of like a very basic baseline that
17 -- and particularly the risk we've already
18 identified, investment, counterparty, liquidity,
19 that people are already doing. So, if it's a best
20 practices as far as you should be doing this on an
21 ongoing basis, I think we can all agree that there
22 is a baseline, but the specificity, I think, is

1 what makes everybody uncomfortable.

2 MR. LANDO: I was going to circle back
3 to what I think you were starting your point is to
4 say, if banks are exiting certain investment areas
5 and then potentially hedge funds might enter or
6 grow in those same spaces, whether that's a risk
7 to be concerned about, and, you know, one thing I
8 would -- just to state the obvious, you know,
9 hedge funds are not in a vacuum. The hedge funds
10 are not, themselves, putting up the capital; it's
11 their client base. So, really all it means is if
12 banks, for whatever reason, whether regulatory or
13 other, are exiting a certain asset area or
14 investment space, so the question is, if the
15 client base of the hedge funds wished to get
16 exposure to that space, is that a cause for
17 concern?

18 I would tend to say no, conditional on
19 the fact that the hedge funds operate
20 appropriately, that they make clear the risks that
21 they're going to take, they communicate that to
22 their client base, and then they stay true to that

1 and then the client base is going to monitor, just
2 like everything we've been talking about all day,
3 about how the hedge fund client space is actually
4 fairly good at monitoring for style drift and so
5 on.

6 So, for that new client base to replace
7 the banks in terms of the taking on that risk, I
8 don't see that as any inherent cause for concern
9 that would warrant some, you know, special action.

10 MR. SPILLANE: So, I'm sitting here back
11 and thinking about the different businesses that
12 are here and, you know, Vanguard, obviously one of
13 the largest in the entire country and we've got me
14 -- I'll put myself as more of the large-medium
15 size, but lots of other different sizes, and I
16 think back also to some of the other shops that
17 I've been at, and I think about the one thing
18 that's common, and I think you're hearing it. We
19 all do these things, but the most important thing
20 that I think that you need to take away from all
21 of this is that when we do it, it's tailored so
22 much specifically to our business.

1 here now is, you know, you want to see it, but the
2 most important thing is you don't want to see
3 somebody go into a consultant firm, getting an
4 off-the-shelf policy manual and say, this is our
5 risk management program, this is our compliance
6 program, we got it, we're done.

7 That's fool's gold, right? What you're
8 hearing from the folks here is that if you want to
9 be competitive, you want to stay in business, you
10 want to keep your assets, you need to have it.
11 You don't need a regulation, per se. The market
12 will force it. And even if there's a vacuum in
13 terms of banks getting out of it, the money's
14 going to go somewhere else, the same rules apply.
15 The same rules of the market apply.

16 MR. MITAL: Transparency and fraud are
17 the two main issues that, at least when I was at
18 the SEC, that we were tasked with monitoring, and
19 I think the fund industry, be it '40 Act, fund of
20 funds or hedge funds, transparency exists in the
21 fact -- differently than a bank, if you're a
22 shareholder, if you own one share of Morgan

1 Stanley, you don't know what the business is
2 doing. If you own a limited partnership stake in
3 a fund, you know what the fund is doing. You're
4 going into it with eyes wide open.

5 You know, so that part of it is very
6 different in our business, you know, and as it
7 comes to fraud, you know, people always ask me,
8 you know, investors say, how can I make sure that
9 the people I'm investing in aren't doing insider
10 trading? You can't. You know, somebody wants to
11 do it, you can do it. You have to trust and
12 that's, you know, you really can't legislate
13 around the really bad stuff that we want -- that
14 we would all love to be able to.

15 So, you know --

16 MR. SPILLANE: (off mic)

17 MR. MITAL: That's what I'm saying.

18 There's laws -- so, you can't impose more to say,
19 well, all this bad stuff happened over the past
20 few years. We've got to get to it. Well, people
21 want to do bad things, they're going to do bad
22 things. You know, but our industry is a little

1 bit different in that it is very transparent.

2 MR. PENNINGTON: I think swaps are an
3 excellent mechanism for managing risk, right, but
4 when you start to build up a significant,
5 non-transparent, unrealized loss position that can
6 end up being sort of forcibly liquidated and
7 becoming transparent and affecting the entire
8 market, I think that's where you get back to,
9 maybe swaps should have been regulated earlier,
10 right? That's something Vanguard would have
11 probably had a different opinion.

12 So, I think that trying to mandate risk
13 management versus trying to figure out where the
14 risks are that we need to manage and regulating
15 according to those risks is probably another way
16 of looking at it.

17 The idea that the market will shift from
18 time-to-time, you know, that's going to happen.
19 We've had -- I worked at a prior firm that had a
20 syndicated bank loan portfolio in a '40 Act fund.
21 The disclosures on the fund were appropriate, the
22 investments had to have a certain amount of

1 liquidity, the structure was relatively complex,
2 but the investors had expectations. Expectations
3 of your investors on the hedge fund side wouldn't
4 be for that amount of liquidity, for example,
5 right? The sophistication of your investors might
6 be at a certain level, there's a requirement
7 there.

8 So, the protections and the safeguards
9 so that the entire market continues to function
10 are really where we would like that continuing
11 focus on regulation and probably a little less on
12 the firm-specific one-size-fits-all, which is not
13 what you're advocating, but that firm-specific
14 risk management approach is really difficult to
15 kind of come to.

16 MR. BARNETT: Other thoughts? I think
17 you're fairly unified on this --

18 MR. PENNINGTON: I think one last thing
19 -- maybe on the complexity side, I think I agree
20 with the transparency. Fraud is always a risk.
21 But I do think that sometimes the complexity of
22 the things that happen in the financial markets

1 get a little bit ahead of the operation and the
2 oversight and the governance structures that
3 exist, and that's probably, you know, the one area
4 that we would have to keep an eye on as the risk
5 doesn't disappear, it just transforms and moves
6 around and I think that's what you're trying to do
7 is to try and anticipate that, as we all are.

8 I mean, some people will do it to make a
9 profit. Vanguard wants to have that anticipation
10 just to know what the market might end up doing
11 for our investors and shareholders.

12 MR. BARNETT: Okay. All right, so you
13 know, I think that what we had intended to pursue
14 was to see whether there were commonalities and I
15 think we've seen the commonalities, which is
16 there's some very, very high-leveled -- the
17 principles are kind of the same, but it's got to
18 fit to the business.

19 So, in terms of trying, for us, to kind
20 of hear about whether there are shared, you know,
21 practices or something like that, I don't think
22 we're going to go into that, and that being the

1 case, I'm going to open it to other, you know,
2 final comments or thoughts that people want to put
3 on the record, but otherwise, I think we'll just
4 call it short.

5 I think this has been -- I hope you
6 don't take it wrong, because it's been amazingly
7 helpful to get -- these last few minutes have been
8 very helpful to us to understand, to digest it
9 that way, it's just that it's so productive and so
10 helpful and I don't think we need to explore the
11 places where we were going. So, thank you for
12 that.

13 Is any -- go ahead. Yeah.

14 MR. ROBBINS: If I could just say one
15 thing. I feel like, in listening to everybody's
16 comments, I think we've presented you with a
17 common theme. I feel a little bit bad because I
18 don't think we've been totally helpful in terms of
19 delivering you an answer, right, and what I want
20 to impress upon you is that these are things that
21 allocators to hedge funds struggle with every day,
22 right. If we could develop -- if Jay and I could

1 develop a uniform code of risk management for the
2 1,600, probably, hedge funds between our two firms
3 we look at every year, I wouldn't need a team of
4 50 analysts, right. I don't -- I would manage my
5 operating expenses very differently, right. So, I
6 guess what I want to impress upon you is, we look
7 for these easy -- not easy answers -- we look for
8 these uniform answers too and commonalities and
9 themes, and if we could find them and manages our
10 businesses more efficiently by utilizing them, we
11 would.

12 Instead, what we've found is industry
13 complexity proliferates and the level of
14 sophistication your firm has to develop to
15 anticipate that industry complexity, as it
16 proliferates, it just compounds. And one of the
17 neat things, frankly, about banks opening up some
18 space for hedge funds is, everybody around this
19 table is looking at new investment opportunities
20 and we're saying, okay, the banks used to do it
21 this way. Maybe that's too risky for my investor
22 base, so I'm going to change it and do it this way

1 instead in a way that Halcyon can sell to Mesirow
2 with a specific volatility and return profile that
3 we find interesting and appropriate for our
4 investors.

5 But at the end of the day, you know, our
6 investor base is 95 percent institutional, that
7 means pension plans. The ultimate end beneficiary
8 of what we do is someone who has retirement needs
9 and who has, right now, way too much long only
10 equity or long only bond exposure in their
11 portfolios, and these opportunities that are
12 rolling off bank balance sheets are actually, from
13 our perspective, an extremely important way for us
14 to deliver diversification and lower volatility at
15 the end of the day, to that end investor group so
16 that they can realize their goals.

17 So, we've talked about innovation and
18 kind of not wanting to dampen down innovation. It
19 has a real impact, not only on new and underlying
20 start-up hedge fund managers that we all want to
21 see grow so that the industry grows and we can do
22 interesting things, but it also -- and this is a

1 real concern for us -- it also has an impact on
2 our ability to deliver that diversified return
3 stream to that end investor group that desperately
4 needs it and frankly cannot source it on their own
5 through their 401(k)'s and things like that.

6 So, we feel very passionately about this
7 and we're very concerned about it and we
8 appreciate your calling this roundtable and the
9 attention of everyone here to this issue because
10 we think it's extremely important and we
11 appreciate being invited to participate, so.

12 MR. MITAL: Greg, would you say that
13 your biggest risk among your portfolios is
14 valuation?

15 MR. ROBBINS: No, I don't think of it
16 that way. No.

17 MR. MITAL: I get that a lot from
18 investors that, you know, that the thing that
19 they're concerned about, not with us, but across
20 their investments, is, you know, is valuation, and
21 I think that's something that the industry has
22 really moved on over the past few years. And in

1 swaps, it's not really a concern given that you
2 have two parties that are negotiating and valuing,
3 you know, together.

4 So, you know, I'd say that I've found
5 that that's the biggest risk factor that investors
6 are concerned about and that there's been a
7 tremendous amount of progress on that front. Now,
8 you know, people mentioned third-party
9 administrators and all the other tools.

10 MR. LANDO: I was just going to chime in
11 to kind of echo what Greg was saying but from a
12 trading funds perspective, which is that, you
13 know, the same idea that there is no simple preset
14 solution from a fund of fund perspective from
15 sitting in a trading fund, whether it's the GCCCO
16 whatever -- any of the risk control functions,
17 this is, you know, a large part of what we live
18 and breathe every day. We spend a lot of time
19 focused on it and to some extent I actually think
20 that there are, like we were saying before, best
21 practices, either imposed by counterparties or
22 industry participants or just what's been fairly

1 established, but there's also a very lively and
2 continuous flow of information, especially on the
3 operational side. You know, people in our
4 positions are going to conferences all the time,
5 they're getting alerts from their law firms,
6 they're using compliance consultants, they're
7 using a lot of resources -- frankly, there are a
8 lot of peer groups just to always -- we challenge
9 each other, we challenge ourselves, we find out
10 what are other people doing, should we be doing
11 the same thing, and we share, all with a view to
12 enabling all of us to do our jobs better,
13 especially on the operational side.

14 I feel that we all improve collectively.
15 That's actually uniquely -- and much more
16 available to us on the operational side than it is
17 on the investment side, appropriately so. So, I
18 similarly don't want you to have this impression
19 that there is any objection to best practices,
20 it's more that the way we're living right now, we
21 -- or, I should stick to myself -- I believe that
22 the industry is acting in a way to try to keep

1 what they think to be best practices on such a
2 fluid level that an attempt to formalize that,
3 whether it's from a regulator or trade group or
4 otherwise, would actually be counterproductive.

5 MR. NICHOLAS: I just have one more
6 thought, not to belabor it, is, you know, you
7 mentioned valuation. I think that's been a hot
8 topic for a while. I think the industry's gotten
9 better at doing it. Honestly, my biggest concern,
10 if I had to identify one, is hedge funds keeping
11 up with the continual compliance changes going on,
12 not just in the U.S., but in Europe and Asia.
13 It's very hard. They don't all coincide with one
14 another. You need different people with different
15 expertise, and, you know, usually if there's a
16 valuation issue, it's -- they can be big, but
17 usually it's something small and it's a small
18 adjustment to NAV they've got to go back and
19 restate.

20 If you mess up from a compliance
21 standpoint, that could be the end of your
22 business, right, because investors like myself,

1 depending upon how significant it is, may say, you
2 know what, not worth the risk, don't want to play
3 with those guys anymore.

4 So, that's what has us most concerned,
5 you know, among the (inaudible).

6 MR. LLOYD: And I would just add to
7 risk, sort of paraphrasing what Todd had said, you
8 know, there's an old saying that the best risk
9 management program is to simply do no business,
10 right, I mean, what we've -- we've all lived with
11 a lot of unintended consequences of some
12 well-intended rules from Dodd-Frank and otherwise,
13 and whatever the rule is, there's always
14 something, some thing that it hits that no one
15 thought about or -- and to try to, you know, as
16 Dov said, find a formula for the appropriate risk
17 management formula or tools or policies or
18 whatever, it's just -- it's going to have those
19 same consequences.

20 And, you know, it's sort of echoing what
21 James said. We, in the trading side, look every
22 day for what is going on in Europe and what is

1 going on here and what is going on there and what
2 are we missing.

3 So, to put a new set of, you know, rules
4 around risk management that would, by definition,
5 not really fit any business, would, I think,
6 probably just -- has the potential to do more harm
7 than good.

8 MS. KAISER: It does and it has the
9 potential, over time, to focus you on the wrong
10 things. If you're focused on these prescriptive
11 items that a regulator has given us, then maybe
12 we're not as forward looking as we are now
13 thinking about what are the risks that are
14 immediately facing us, what's coming down the pike
15 a year from now, so giving us that flexibility is
16 certainly important and with resources drained as
17 they are on the compliance and legal side, which
18 is a lot of the groups that harness some of the
19 operational risk, at least, in firms, that could
20 be detrimental.

21 MR. FELSENTHAL: I'm not sure that
22 adding -- I'm listening to all the comments and I

1 sort of was a little quiet on this issue because
2 -- and I was thinking about what everybody said.
3 I'm not sure that there aren't some -- you know, I
4 think we sort of understand there's some sort of
5 sound -- I wouldn't call them "best" but I would
6 call them "sound" practice kind of, you know,
7 mosaic out there, which -- and I'm not sure that
8 if, you know, there were a rule or some
9 restatement of some sort, I'm not sure it's going
10 to catch -- I'm not sure it's going to be caught
11 by anybody who isn't already observing this mosaic
12 kind of way of doing it. I'm just not sure what
13 would be accomplished.

14 I'm throwing it out there. I'm not
15 saying yes or no, but -- and I'm trying to think
16 about it, as you are, apparently, clearly -- I'm
17 just not sure it accomplishes anything.

18 MR. PENNINGTON: I think maybe another
19 comment would be, where do we see, in our view of
20 risk management, where do we see regulations
21 helping our firm, and I think, you know, a smart
22 regulation with a smart regulator is generally

1 something they would appreciate, things like
2 oversight of intermediaries. When we're trading,
3 you know, futures, one of the things we do like is
4 that there is some oversight there. Oversight of
5 market infrastructure is another key area.

6 So, sort of the hubs of the
7 infrastructure that we all work in this ecosystem
8 that we're all living together in, to the degree
9 that we can get good sort of risk-based regulation
10 of those entities and based on what function they
11 perform in the market, we're all better off. But
12 sometimes pushing those out to the endpoints,
13 which maybe a mutual fund is kind of an endpoint
14 even though the shareholders are there, makes it a
15 little bit more complicated.

16 So, I think, you know, new instruments
17 in complexity, reviewing them, ultimately I agree,
18 measuring risk appropriately and making sure you
19 get compensated for that risk is the goal of our
20 financial markets. So, I think we're all on the
21 same page that it's not to eliminate the risk
22 (inaudible).

1 MR. MITAL: To piggyback on Steve's
2 Seinfeld references, since we're airing
3 grievances, the biggest, I think, factual issue
4 that regulators sometimes don't understand is, you
5 know, we're asked about all the risk reporting we
6 have to do, FATCA and all of this, and they say,
7 don't worry about it, it's just coming to us.
8 I'll be damned if these guys aren't going to ask
9 me for it. Whatever I produce to you, my
10 investors are going to ask for.

11 So, you know, to say that if we add new
12 reporting or new disclosure and it's just going to
13 the government, that's not the case. We have to
14 hire people to make sure that it makes sense and
15 to explain it to the investors who are going to
16 ask for the documentation that we give to you.

17 MR. LLOYD: And I would just add, from a
18 disclosure standpoint, you know, the disclosure
19 documents, both the CTA disclosure document and
20 the fund disclosure documents, you know, are very
21 good tools for disclosure of the risks that we all
22 face and the risks in our business. We talk about

1 extensively about market risk, counterparty risk,
2 conflicts of interest, and so, you know, from a
3 disclosure standpoint, there is already a
4 tremendous amount on it.

5 MS. OLEAR: If utilized appropriately.
6 I was going to say, you guys do good disclosure
7 documents. I have reviewed many that are not
8 quite as robust.

9 MR. BARNETT: All right. Well, we thank
10 you very, very much. Super helpful. Really
11 appreciate it and appreciate your expert advice.
12 Thank you so much.

13 (Whereupon, at 2:22 p.m., the
14 HEARING was adjourned.)

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I, Irene Gray, notary public in and for the District of Columbia, do hereby certify that the forgoing PROCEEDING was duly recorded and thereafter reduced to print under my direction; that the witnesses were sworn to tell the truth under penalty of perjury; that said transcript is a true record of the testimony given by witnesses; that I am neither counsel for, related to, nor employed by any of the parties to the action in which this proceeding was called; and, furthermore, that I am not a relative or employee of any attorney or counsel employed by the parties hereto, nor financially or otherwise interested in the outcome of this action.

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