

APPENDIX A

STATEMENT OF FACTS

This Statement of Facts is incorporated by reference as part of the non-prosecution agreement, dated December 18, 2012, between the United States Department of Justice, Criminal Division, Fraud Section, and UBS AG (“UBS”). The parties agree that the following information is true and accurate:

I.

BACKGROUND

A. LIBOR, Euroyen TIBOR, and Euribor

1. Since its inception in approximately 1986, the London Interbank Offered Rate (“LIBOR”) has been a benchmark interest rate used in financial markets around the world. Futures, options, swaps, and other derivative financial instruments traded in the over-the-counter market and on exchanges worldwide are settled based on LIBOR. The Bank of International Settlements has estimated that in the second half of 2009, for example, the notional amount of over-the-counter interest rate derivative contracts was valued at approximately \$450 trillion. In addition, mortgages, credit cards, student loans, and other consumer lending products often use LIBOR as a reference rate.

2. LIBOR is published under the auspices of the British Bankers’ Association (“BBA”), a trade association with over 200 member banks that addresses issues involving the United Kingdom banking and financial services industries. The BBA defines LIBOR as:

The rate at which an individual Contributor Panel bank could borrow funds, were it to do so by asking for and then accepting inter-bank offers in reasonable market size, just prior to 11:00 [a.m.] London time.

This definition has been in place since approximately 1998.

3. LIBOR rates were initially calculated for three currencies: the United States Dollar, the British Pound Sterling, and the Japanese Yen. Over time, the use of LIBOR expanded, and benchmark rates were calculated for ten currencies, including the original three.

4. The LIBOR for a given currency is the result of a calculation based upon submissions from a panel of banks for that currency (the “Contributor Panel”) selected by the BBA. Each member of the Contributor Panel submits its rates every London business day through electronic means to Thomson Reuters, as an agent for the BBA, by 11:10 a.m. London time. Once each Contributor Panel bank has submitted its rate, the contributed rates are ranked. The highest and lowest quartiles are excluded from the calculation, and the middle two quartiles (i.e., 50% of the submissions) are averaged to formulate the resulting LIBOR “fix” or “setting” for that particular currency and maturity.

5. The LIBOR contribution of each Contributor Panel bank is submitted to between two and five decimal places, and the LIBOR fix is rounded, if necessary, to five decimal places. In the context of measuring interest rates, one “basis point” (or “bp”) is one-hundredth of one percent (0.01%).

6. Thomson Reuters calculates and publishes the rates each business day by approximately 11:30 a.m. London time. Fifteen maturities (or “tenors”) are quoted for each currency, ranging from overnight to twelve months. The published rates are made available worldwide by Thomson Reuters and other data vendors through electronic means and through a variety of information sources. In addition to the LIBOR fix resulting from the calculation,

Thomson Reuters publishes each Contributor Panel bank's submitted rates along with the names of the banks.

7. According to the BBA, each Contributor Panel bank must submit its rate without reference to rates contributed by other Contributor Panel banks. The basis for a Contributor Panel bank's submission, according to a clarification the BBA issued in June 2008, must be the rate at which members of the bank's staff primarily responsible for management of the bank's cash, rather than the bank's derivative trading book, consider that the bank can borrow unsecured inter-bank funds in the London money market. Further, according to the BBA, a Contributor Panel bank may not contribute a rate based on the pricing of any derivative financial instrument. In other words, a Contributor Panel bank's LIBOR submissions should not be influenced by its motive to maximize profit or minimize losses in derivatives transactions tied to LIBOR.

8. The Contributor Panel for United States Dollar ("Dollar") LIBOR from at least 2005 through 2010 was comprised of 16 banks, including UBS. Presently, there are 18 banks on the Dollar Contributor Panel, including UBS. From at least 2005 to the present, UBS has also been a member of the Contributor Panels for, among other currencies, Yen LIBOR, Euro LIBOR, Swiss Franc LIBOR, and Pound Sterling LIBOR.

9. From at least 2005 to the present, UBS has also been a member of the Contributor Panel for the Euro Interbank Offered Rate ("Euribor"). Euribor is a reference rate overseen by the European Banking Federation ("EBF"), which is based in Brussels, Belgium. Since 2005, the Euribor Contributor Panel has been comprised of approximately 42 to 48 banks. Euribor is the rate at which Euro interbank term deposits within the Euro zone are expected to be offered by one prime bank to another, at 11:00 a.m. Brussels time.

10. Thomson Reuters, as an agent of the EBF, calculates and publishes the Euribor rates each business day. Each Euribor Contributor Panel bank submits its contributed rate to Thomson Reuters through electronic means, and then the contributed rates are ranked. The highest and lowest 15% of all the quotes are excluded from the calculation, and the remaining rates (i.e., the middle 70%) are averaged to formulate the resulting Euribor fix for each tenor. The published rates, and each Contributor Panel bank's submitted rates, are made available worldwide through electronic means and through a variety of information sources.

11. From at least 2005 until 2012, UBS was also a member of the Contributor Panel for the Euroyen Tokyo Interbank Offered Rate ("TIBOR"). TIBOR is a reference rate overseen by the Japanese Bankers Association ("JBA"), which is based in Tokyo, Japan. While UBS was a member of the panel, the Euroyen TIBOR Contributor Panel was comprised of 16 banks. The term "Euroyen" refers to Yen deposits maintained in accounts outside of Japan. Euroyen TIBOR is what Contributor Panel banks deem to be prevailing lending market rates between prime banks in the Japan Offshore Market as of 11:00 a.m. Tokyo time. Euroyen TIBOR is calculated by discarding the two highest and two lowest submissions, and averaging the remaining rates. The published rates, and each Contributor Panel bank's submitted rates, are made available worldwide through electronic means and through a variety of information sources.

12. Because of the widespread use of LIBOR and other benchmark interest rates in financial markets, these rates play a fundamentally important role in financial systems around the world.

B. *Eurodollar and Euroyen Futures Contracts, and Interest Rate Swaps*

13. Eurodollar futures contracts are traded on the Chicago Mercantile Exchange (“CME”), and are settled based on LIBOR. Eurodollar futures contracts are highly liquid, and each has a notional value of \$1 million. A “Eurodollar” is a Dollar deposit with a bank outside of the United States. A Eurodollar futures contract is essentially the interest that would be paid on a Eurodollar deposit of \$1 million for a term of three months. Prior to the settlement date, the price of a 3-month Eurodollar futures contract is an indication of the market’s prediction of the 3-month Dollar LIBOR on its settlement date. The actual settlement price of a 3-month contract is calculated as 100 minus the 3-month Dollar LIBOR on the settlement date. Most Eurodollar futures contracts settle on four quarterly International Monetary Market (“IMM”) dates, which are the third Wednesday of March, June, September, and December. The last trading days are the second London bank business day prior to the third Wednesday (i.e., usually Monday) in those months. In 2009, according to the Futures Industry Association, more than 437 million Eurodollar futures contracts were traded on the CME.

14. Euroyen futures contracts are also traded on the CME and other exchanges around the world, and are settled based on Euroyen TIBOR. A Euroyen futures contract is essentially the interest that would be paid on a Euroyen deposit of ¥100,000,000 for a term of three months. The actual settlement price of a 3-month contract is calculated as 100 minus the 3-month Euroyen TIBOR on the settlement date. Most contracts settle on the four quarterly IMM dates. From 2007 through 2011, according to the CME, more than 758,000 Euroyen TIBOR futures contracts were traded on the CME.

15. An interest rate swap (“swap”) is a financial derivative instrument in which two parties agree to exchange interest rate cash flows. If, for example, a party has a transaction in which it pays a fixed rate of interest but wishes to pay a floating rate of interest tied to a reference rate, it can enter into an interest rate swap to exchange its fixed rate obligation for a floating rate one. Commonly, for example, Party A pays a fixed rate to Party B, while Party B pays a floating interest rate to Party A indexed to a reference rate like LIBOR. There is no exchange of principal amounts, which are commonly referred to as the “notional” amounts of the swap transactions. Interest rate swaps are traded over-the-counter; in other words, they are negotiated in transactions between counterparties and are not traded on exchanges.

C. UBS

16. UBS AG is a financial services corporation with headquarters located in Zurich, Switzerland. UBS AG has banking divisions and subsidiaries around the world, including in the United States, with its United States headquarters located in New York, New York and Stamford, Connecticut. One of its divisions is the Investment Bank, which operates through a number of legal entities including UBS Securities Japan Co., Ltd., – which is a wholly-owned subsidiary of UBS AG that engages in investment banking and wealth management. UBS employs derivatives traders throughout the world – including in Stamford, London, Zurich, and Tokyo – who trade financial instruments tied to LIBOR, Euribor and Euroyen TIBOR, including interest rate swaps and Eurodollar and Euroyen futures contracts (“derivatives traders”).¹

17. UBS AG’s Group Treasury section is the part of UBS AG that monitors and oversees the financial resources of the entire bank, including the bank’s liquidity and funding.

¹ The term “derivatives traders” includes traders on UBS’s Short-Term Interest Rates (“STIR”) and Rates desks. The STIR desks were responsible for the bank’s short-term funding and handled certain derivatives trades. The Rates desks traded longer-term interest rate products and generally had greater exposure to movements in LIBOR, Euribor and Euroyen TIBOR as compared to the STIR desks.

At all relevant times herein, Asset and Liability Management (“ALM”) is the part of the Investment Bank Division which managed the bank’s liquidity buffer and issuance of new commercial paper and certificates of deposit. Group Treasury provided guidance to ALM on funding issues. The head of ALM worked for the Investment Bank Division.

D. UBS’s LIBOR, Euroyen TIBOR, and Euribor Submissions

18. At various times from at least 2001 through June 2010, certain UBS derivatives traders – whose compensation from UBS was directly connected to their success in trading financial products tied to LIBOR, Euroyen TIBOR and Euribor – directly or indirectly exercised improper influence over UBS’s submissions for those benchmark interest rates.

19. Up until September 1, 2009, UBS’s LIBOR submissions were made by UBS derivatives traders. On September 1, 2009, ALM took over the LIBOR submission process from the derivatives trading desks.² This change was the result of a decision of UBS’s Compliance Department (“Compliance”), based on the conclusion that there was an inherent conflict of interest in having derivatives traders determine the daily benchmark submissions. Nevertheless, under this new policy, derivatives traders continued to provide input to ALM, which ALM submitters at times considered in determining UBS’s LIBOR and Euribor submissions. Each day, approximately 15 minutes before ALM made its LIBOR and Euribor submissions, derivatives traders in a given currency would input their assessment of LIBOR and Euribor changes into a shared spreadsheet. The ALM submitters then considered that input along with the previous day’s submission, but also factored in ALM’s knowledge of UBS’s cost of funds.

² In October, 2009 ALM took over the Euribor submission process from the derivatives traders, and in January 2011, ALM took over the Euroyen TIBOR submission process.

II.

UBS'S MANIPULATION OF LIBOR, EUROYEN TIBOR AND EURIBOR SUBMISSIONS

20. From as early as 2001 through at least June 2010, certain UBS derivatives traders requested and obtained benchmark interest-rate submissions which benefited their trading positions. These derivatives traders requested, and sometimes directed, that certain UBS LIBOR, Euroyen TIBOR, and Euribor submitters submit benchmark interest rate contributions that would benefit the traders' trading positions, rather than rates that complied with the definitions of LIBOR, Euroyen TIBOR and Euribor. Those derivatives traders either requested or directed a particular LIBOR, Euroyen TIBOR or Euribor contribution for a particular tenor and currency, or requested that the rate submitter contribute a rate higher, lower, or unchanged for a particular tenor and currency. The derivatives traders made these requests in electronic messages, telephone conversations, and in-person conversations. The LIBOR, Euroyen TIBOR, and Euribor submitters regularly agreed to accommodate the derivatives traders' requests and directions for favorable benchmark interest rate submissions.

A. Yen LIBOR and Euroyen TIBOR

21. The market for derivatives and other financial products linked to benchmark interest rates for the Yen is global and is one of the largest and most active markets for such products in the world. A number of these products are traded in the United States – such as the Euroyen TIBOR futures contract traded on the CME – in transactions involving U.S.-based counterparties. For example, a meaningful portion of the total value of the transactions entered into by UBS's most successful Yen derivatives trader from 2007 through 2009 (“Trader-1”) involved U.S.-based counterparties.

22. Beginning in 2006, in Zurich, Tokyo, and elsewhere, several UBS employees engaged in sustained, wide-ranging, and systematic efforts to manipulate Yen LIBOR and, to a lesser extent, Euroyen TIBOR, to benefit UBS's trading positions. This conduct encompassed hundreds of instances in which UBS employees sought to influence benchmark rates; during some periods, UBS employees engaged in this activity on nearly a daily basis. In furtherance of these efforts to manipulate Yen benchmarks, UBS employees used several principal and interrelated methods, including the following:

- a) internal manipulation within UBS of its Yen LIBOR and Euroyen TIBOR submissions;
- b) use of cash brokers to influence other Contributor Panel banks' Yen LIBOR submissions by disseminating misinformation; and
- c) efforts to collude directly with employees at other Contributor Panel banks, either directly or through brokers, in order to influence those banks' Yen LIBOR submissions.

Details and examples of this conduct are set forth below.

1) Manipulation Within UBS of its Yen LIBOR and Euroyen TIBOR Submissions

a. Yen LIBOR

23. Instances of accommodating Yen derivatives traders' requests dated back at least to 2002, when UBS's Yen LIBOR submitter – later promoted to manage UBS's Yen and Swiss Franc derivatives trading desks – occasionally accommodated his/her supervisor's instruction for submissions to benefit the supervisor's Yen derivatives trading positions.

24. The manipulation of Yen LIBOR submissions to benefit UBS derivatives traders' positions began to occur far more frequently after July 2006, when UBS hired Trader-1, a Tokyo-based Yen derivatives trader. Beginning in September 2006, and continuing until soon before he left UBS in September 2009, Trader-1, and occasionally other UBS Yen derivatives

traders, regularly requested that UBS Yen LIBOR submitters contribute LIBOR submissions to benefit their trading books. Trader-1 and his/her colleagues engaged in this conduct on the majority of total trading days during this more-than-three-year period.

25. For example, on Monday, November 20, 2006, Trader-1 asked the UBS Yen LIBOR submitter (“Submitter-3”), who was substituting for the regular submitter (“Submitter-1”) that day, “hi . . . [Submitter-1] and I generally coordinate ie sometimes trade if ity [sic] suits, otherwise skew the libors a bit.” Trader-1 went on to request, “really need high 6m [6-month] fixes till Thursday.” Submitter-3 responded, “yep we on the case there . . . will def[initely] be on the high side.” The day before this request, UBS’s 6-month Yen LIBOR submission had been tied with the lowest submissions included in the calculation of the LIBOR fix. Immediately after this request for high submissions, however, UBS’s 6-month Yen LIBOR submissions rose to the highest submission of any bank in the Contributor Panel and remained tied for the highest until Thursday – as Trader-1 had requested.

26. In early 2007, a new UBS Yen LIBOR submitter (“Submitter-2”) received training from Submitter-1, who was also a UBS manager and Yen derivatives trader. During that training, Submitter-2 was instructed that the primary factor in determining UBS’s Yen LIBOR submissions each day was the UBS Yen derivatives traders’ requests, which were to be accommodated. Submitter-2 followed that directive, and accommodated Trader-1 and other UBS Yen derivatives traders’ requests for LIBOR submissions through July 2009, when Submitter-2’s responsibilities at UBS changed.

27. From at least August 2007 and at various times through at least September 2009, the manager of one of the Yen derivatives trading desks in Tokyo exerted pressure on Yen LIBOR submitters to take derivatives traders’ positions into account when setting Yen LIBOR.

Yen derivatives traders routinely requested that the submitters contribute Yen LIBOR submissions to benefit their trading books, and the submitters, in accordance with the instructions from their superiors at UBS, accommodated derivatives traders' requests.

28. An example of such an accommodation occurred on March 29, 2007, when Trader-1 asked Submitter-1, "can we go low 3[month] and 6[month] pls? . . . 3[month] esp." Submitter-1 responded "ok", and then the two had the following exchange by electronic chat:

Trader-1: what are we going to set?

Submitter-1: too early to say yet . . . prob[ably] .69 would be our unbiased contribution

Trader-1: ok wd really help if we cld keep 3m low pls

Submitter-1: as i said before - i [don't] mind helping on your fixings, but i'm not setting libor 7bp away from the truth. . . i'll get ubs banned if i do that, no interest in that.

Trader-1: ok obvious;y [sic] no int[erest] in that happening either . . . not asking for it to be 7bp from reality anyway any help appreciated[.]

Trader-1 received the help he requested. Although Submitter-1's "unbiased contribution" of the 3-month Yen LIBOR submission would have been .69 that day, he lowered his/her submission to .67, as Trader-1 requested.

29. As another example, a series of electronic chats between March 12 and 17, 2008, demonstrates that Trader-1 caused UBS's Yen LIBOR submission to move 3 basis points over a 5 day period. On Wednesday, March 12, 2008, Trader-1 asked Submitter-2 to raise the 3-month Yen LIBOR submission from the previous day's .99 contribution, because "we have [\$2 million] usd fix in 3[month] on Monday [March 17] per bp."³ Submitter-2 responded: "with yesterdays

³ Although, as stated above, the term "fix" is often used to refer to the calculated and published benchmark rate, in the context of this chat, the trader's "fix" refers to the settlement or "fixing"

.99 i was already on the very high side. i need to go down a touch lower on the back to what happened yesterday. . . thought about .97.” Trader-1 responded: “cool no chance of .98? anyway the actual fix is Monady [sic] [March 17] so that’s the key day.”⁴ Although Submitter-2 had intended to drop his/her LIBOR contribution down to .97 on March 12, he instead raised his/her LIBOR submission to .98. The following day, he raised it again to .99, and on Monday, March 17, the following exchange occurred:

Trader-1: been chatting with [your supervisor] . . . can we go . . . high 3[month] . . . obviously with the size of the fix today and confusion over levels if we could push it a bit more than usual it would be great

Submitter-2: Friday fixed 3mt at 0.99

Trader-1: thx [Submitter-2]

Submitter-2: shall I go fro [sic] 1%?

Trader-1: pls

Submitter-2: ok will do

As promised, Submitter-2 contributed a Yen LIBOR submission of 1% that day, 3 basis points higher than where he had intended to submit a few days earlier.

30. In a March 28, 2008 electronic chat between Trader-1 and Submitter-2, Trader-1 was again successful in manipulating UBS’s LIBOR submission to benefit his trading positions:

Trader-1: just for my guide [Submitter-2] roughly wher are we going to set 3m and 6m?

Submitter-2: 3m0.92 6m 0.96

Trader-1: can we go lower?

of derivatives trading positions. The reference to “usd” is to the monetary value of such settled positions, designated in U.S. Dollars.

⁴ Monday, March 17, 2008 was a quarterly IMM date, on which trillions of dollars of swaps and futures contracts, in multiple currencies, were settled worldwide for a three-month period.

Submitter-2: sure . . . dont think it will be that low though . . . but can do 090

Trader-1: so can we set 6m at .94 too? . . . 6m is much more urgent . . . most urgent of the lot

Submitter-2: i just put in 0.95 for 6mt

Trader-1: ok . . . Thx

True to his/her agreement to accommodate Trader-1, Submitter-2 lowered UBS's 3-month Yen LIBOR submission from .92 to .90, and lowered UBS's 6-month submission from .96 to .95.

31. On some occasions, UBS Yen LIBOR submitters would also amend, if possible, previously submitted Yen LIBOR contributions to accommodate UBS's trading positions. For example, in an April 4, 2008 electronic chat between Trader-1 and Submitter-2, the following exchange occurred:

Trader-1: have you put the libors in?

Submitter-2: y[es] . . . any changes?

Trader-1: oh was going to ask high 6m if not too late

Submitter-2: i input 95 . . . which is on the lower side

Trader-1: ok is it too late to change? . . . if not no drama

Submitter-2: i try to change it now but cannot gaurantee if it gets accepted

Submitter-2: just cahnged [sic] it to 0.98

The UBS 6-month Yen LIBOR submission that day was indeed .98, 3 basis points higher than Submitter-2's originally intended submission.

32. As another example, on June 29, 2009, Trader-1 contacted Submitter-2 by electronic chat, explaining that he had huge positions that day and asking, "can we [submit] 6 m

libor high pls.” Submitter-2 stated that based on the information he had, he would submit a 6-month Yen LIBOR of .7150. Trader-1 responded by asking, “can we go 74 or 75 [meaning .74 or .75] . . . we have [\$2 million per basis point exposure] for the next week.” Submitter-2 agreed to accommodate this request, responding, “yes sure will. I go with .75 for you[.]” Thus, the submitter agreed to move his/her 6-month Yen LIBOR submission by 3.5 basis points that day to benefit the derivatives trader’s position.

b. Euroyen TIBOR

33. From in or around 2007 through 2009, on some occasions, UBS Yen derivatives traders also requested that UBS Euroyen TIBOR submitters contribute TIBOR submissions to benefit their trading positions. The TIBOR submitters’ manager, Submitter-1, routinely provided suggested TIBOR submissions based on the derivatives traders’ positions, and the TIBOR submitters relied upon this input.

34. For example, in a November 8, 2007 electronic chat, Submitter-1, who was also a UBS Yen derivatives trader, instructed the TIBOR submitter: “pls remind me tomorrow . . . we need to move the 1mos tibor up . . . maybe +2 tomorrow . . . then 1 bp on each for a few days . . . swap guys having some fixings.” The TIBOR submitter responded “ok, noted”.

35. As another example, on July 23, 2009, Submitter-1 caused UBS’s Euroyen TIBOR submissions to decrease for a different improper purpose. On that day, Submitter-1 had the Euroyen TIBOR submitter drop UBS’s 3-month TIBOR submission by 4 basis points simply to damage Trader-1’s positions, and not because that is where he perceived Yen cash was trading.⁵ In an electronic chat with Trader-B at another Contributor Panel bank,⁶ Trader-1

⁵ During this period, Trader-1 and Submitter-1 were rivals at UBS and had feelings of animosity towards one another.

⁶ Trader-1’s dealings with Trader-B are discussed further below.

explained how he would rectify the situation by manipulating TIBOR settings higher the following week:

[Submitter-1, who caused TIBOR to drop] hates me and is going to zurich . . . [his/her] last day is Friday . . . so [s/he] tried to screw my pos[ition] . . . next week we have control . . . so will try to get it back up . . . or rather will do it . . . monday goes back up

Later that same day, in a separate electronic chat with a cash broker who handled transactions for Trader-1 (“Broker-A1”),⁷ Trader-1 described how he successfully reached out to the UBS TIBOR submitters to raise UBS’s 3-month submission back up:

Trader-1: main thing is 3m tiber . . . i went to meet the guys who set it today
Broker-A1: you can assist there
Trader-1: they just set where we ask
Broker-A1: ;-) perfect

c. The Role of UBS Managers

36. Certain UBS managers, and senior managers,⁸ were aware of the internal manipulation of Yen LIBOR and Euroyen TIBOR submissions by derivatives traders as described above. For example, Trader-1’s manager knew, at least as early as 2007, that internal pressure was placed on UBS Yen LIBOR submitters, and occasionally the Euroyen TIBOR submitters, to contribute submissions to benefit the Yen trading book. Further, certain Zurich-

⁷ The role of cash brokers in the derivatives markets and money markets, along with Trader-1’s dealings with Broker-A1, are discussed further below.

⁸ The terms “senior manager” or “manager,” as used herein, do not include members of the board of directors, executive board, or executive management.

based managers and more senior managers heading the derivatives desks in all currencies were informed of the pressure the Yen trading desk placed on the LIBOR submitters to contribute Yen LIBOR to benefit the traders' positions.⁹

37. The majority of UBS Yen LIBOR and Euroyen TIBOR submitters, Yen derivatives traders, and their supervisors – as well as the more senior managers at UBS who were aware of this conduct – knew that the manipulation of Yen LIBOR and TIBOR submissions was inappropriate, yet continued to encourage, allow, or participate in this conduct. For example, Trader-1's manager, a senior manager in the Investment Bank, the primary Yen LIBOR and TIBOR submitters, and other derivatives traders knew it is inappropriate, and contrary to the definition of LIBOR or TIBOR, to consider derivative trading positions when contributing LIBOR or TIBOR submissions. Indeed, in an October 9, 2008 email, Submitter-1 complained to several other managers that: "one of the things we signed up for when UBS agreed to join the fixing panel was the condition that fixing contributions shall be made regardless of trading positions."

38. Because UBS's Yen LIBOR submitters, derivatives traders, and their managers knew this conduct was improper, they tried to conceal the manipulation. For example, after an August 10, 2009 Trader-1 email request to lower 6-month Yen LIBOR, a LIBOR submitter ("Submitter-4") complained to Trader-1's manager that these requests should not be in writing. Moreover, Trader-1 would sometimes request that LIBOR submissions be moved in small increments over time to avoid detection.

39. Finally, and for the same reason, a UBS derivatives desk manager sought to obstruct the investigation into LIBOR manipulation. In December 2010, Submitter-4, the UBS

⁹ Internal communications during 2007 and 2008 also reflect managers' continuing awareness of this conduct. Examples of such communications are discussed below in paragraphs 132 and 133.

derivatives desk manager who had supervised Submitter-2 in 2009, instructed Submitter-2 to lie when interviewed by UBS attorneys during the investigation into LIBOR manipulation. Among other things, the UBS manager instructed Submitter-2 to:

- falsely claim that the UBS Yen trading desks did not have any derivative positions with exposure to Yen LIBOR;
- avoid mentioning Trader-1;
- falsely indicate that the Yen LIBOR submission process did not take into account trading positions;
- falsely claim that they never moved the Yen LIBOR submissions to benefit the Yen trading desks;
- falsely claim that when contributing Yen LIBOR submissions, UBS tried to be “as close to the market as possible.”

2) Use of Brokers to Manipulate Yen LIBOR

40. From at least 2007 and at various times through January 2010, two UBS Yen derivatives traders also used cash brokers to manipulate Yen LIBOR submissions by enlisting these brokers to disseminate misinformation to other Contributor Panel banks regarding Yen LIBOR.

41. Cash brokers track bids and offers of cash in the market and assist derivatives and money market traders in arranging transactions between financial institutions and other market participants. As a result of their positions as intermediaries, some of these brokers developed relationships with traders and LIBOR submitters at various Contributor Panel banks and often possessed knowledge of interbank money market activity. Accordingly, it is not unusual for LIBOR submitters to collect information from cash brokers regarding the availability and price of cash in the money markets and elsewhere. This information can influence the LIBOR submissions of Contributor Panel banks.

a. Use of Brokers to Disseminate Misinformation

42. Certain UBS Yen derivatives traders sought and received assistance from cash brokers by asking them to disseminate false market information to Yen LIBOR submitters at other Contributor Panel banks. In this way, recipients of such misinformation could be influenced, often unwittingly, to contribute Yen LIBOR submissions that benefited UBS Yen derivatives traders' positions.

43. Trader-1 did a large volume of business in the Yen derivatives market, and he used brokers at several firms to help arrange his trades. Trader-1 also used some of those brokers, in different ways, as part of his scheme to manipulate Yen LIBOR. Trader-1 engaged in this conduct beginning in 2007, after discussing the strategy with his manager.

44. Trader-1 carried out one significant part of this scheme through his dealings with Brokerage-A. Trader-1 used Brokerage-A to broker derivative trades, and Broker-A1 serviced Trader-1's account. Another broker at that firm, Broker-A2, distributed a daily email to the Contributor Panel banks, which included "SUGGESTED LIBORS" purporting to represent where that broker thought Yen LIBOR should be set that day based on his/her market knowledge and experience. Trader-1 used Broker-A1 to pass along requests to Broker-A2 to adjust these suggested LIBORs to benefit Trader-1's trading positions. Broker-A2, at least on some occasions, accommodated these requests. Trader-1's manager, who was well-aware of this manipulative tactic, later estimated that during one six-month period in 2007, this scheme was used on a daily basis and had a 50% to 60% success rate.

45. As an example, in a Wednesday, August 15, 2007 electronic chat, Trader-1 and Broker-A1 discuss Trader-1's desire to raise the published 6-month Yen LIBOR fix:

Trader-1: need to keep 6m up till tues then let it collapse

Broker-A1: doing a good job so far . . . as long as the liquidity remains poor we have a better chance of bullying the fix[.]

46. The next day, Thursday, August 16, 2007, Trader-1 reiterated his need for a high 6-month Yen LIBOR fix:

Trader-1: really really really need high 6m

Broker-A1: yep think i realise that

Broker-A1: yes mate, will make myself useful

That day, consistent with Trader-1's request, Broker-A2 again raised his/her suggested LIBOR, this time by an additional 6.5 basis points, where it remained for several days.

47. Moreover, in a May 29, 2008 electronic chat, Trader-1 instructed Broker-A1 to "bring 3[-month LIBOR] down." Broker-A1, acting as an intermediary for Broker A2, responded "[Broker-A2] had knocked 3m down small (already v low and says if it goes any further he will lose credibility)."

48. Further, in a May 12, 2009 electronic chat, Broker-A1 notified Trader-1 that "[Broker-A2] has moved 6m libor up another 1/2bp and [unchanged] for 3m and 1m down small." Indeed, Broker-A2 modified his/her suggested LIBORs in precisely this fashion from the previous trading day.

49. These suggested LIBORs distributed from Brokerage A were influential; indeed, Broker-A2's suggestions appear to have been wholly adopted by Yen LIBOR submitters at three other Contributor Panel banks during certain time periods. For example, of the 523 total trading days between January 1, 2008 and December 31, 2009, there were 308 days in which suggested Yen LIBOR in all 8 tenors listed in Broker-A2's email were identical to those submitted by one Contributor Panel Bank ("Bank-E"). Further, there were many instances when Bank-E's Yen

LIBOR submissions for all 8 tenors changed identically each day with the changes in Broker-A2's suggested LIBORs, often matching the suggestions to 5 decimal points.

50. Trader-1 was aware that Broker-A2's suggested LIBORs, when adjusted to benefit UBS's derivatives desk's positions, disseminated false information into the market. The following exchange occurred in an August 12, 2007 electronic chat between Broker-A1 and Trader-1:

Broker-A1: like [Broker-A2] said to me last night, he can try and tweak [Suggested LIBORs] by a point or 2 when its flyiing [sic] but if he marks too far from the truth the banks tend to ignore him.

Trader-1: ok no probs . . . any help is better than none!

51. Trader-1 also enlisted cash brokers to improperly influence other Contributor Panel banks' Yen LIBOR submissions through telephone conversations between brokers and Yen LIBOR submitters at the other panel banks. For example, in a February 9, 2009 electronic chat, Trader-1 asked Broker-C to cause a colleague to suggest to other Contributor Panel banks to lower their LIBOR submissions by stating that the broker's Yen accounts "look[ed] a little softer." While requesting that Brokerage-C disseminate this misinformation, Trader-1 identified at least two other brokerage houses that also assisted him in manipulating Yen LIBOR, and indicated that he would reward brokers for this type of assistance:

Trader-1: do you know your cash desk? . . . ie the guy who covers yen on your cash desk

Broker-C: yes mate i do

Trader-1: right from now on i need you to ask him a favour on the fixes . . . i will make sure it comes back to you . . . i alrteady do it with [Brokerage-A] . . . basically can you ask him to broke 3m cash ie libor lower for me today . . . i will look after you off the back of it. . . i do that for [Brokerage-

B] too . . . so emphasise the importance to you . . . just suggest it looks a little softer to his accounts

Broker C: ok mate i understand i will go and speak to him

Trader-1: stuff like that . . . thanks mate . . . is very important to me today

After a five minute break, the two resumed their electronic chat:

Broker-C: just spoke to them and they are on the case

Trader-1: ok mate much appreciated

52. As another example, in a February 25, 2009 electronic chat, Trader-1 instructed Broker-B: “low 1m and 3m . . . we must keep 3m down . . . try for low on all of em.” Broker-B responded “ok ill do my best for those tday.” Trader-1 then asked Broker-B to arrange for a “massive” trade and Broker-B acknowledged that the trade would generate profits for him/her:

Trader-1: we can do 150 [billion] 2 yrs bro both sides . . . ask [Trader-A2¹⁰] . . . will that help?

Broker-B: ok mate that will make us make budget for the month so massive yes

Later that morning, Broker-B had a recorded telephone conversation with the Yen LIBOR submitter at Bank-F (“Submitter-F”), requesting that the submitter lower Bank-F’s 3-month Yen LIBOR submission, as follows:

Broker-B Could I ask you a small favor?

Submitter-F: Yeah.

Broker-B: Where are you going to set your Libor threes today?

Submitter-F: Uh, same, .65.

Broker-B: Is there any way you might be able to take it down [one basis point] cause I’m getting a big trade out of it? . . . I’m getting someone to do me a big trade if they said I can help ‘em sort of get

¹⁰ Trader-A2 was a Yen derivatives trader at Bank A.

Libors down a little bit today.

Submitter-F had already entered the .65 3-month LIBOR submission on a form, which he had passed on to the Swiss Franc submitter sitting next to him. However, Submitter-F can be heard on the recorded conversation requesting the submitter next to him to lower Submitter-F's 3-month Yen LIBOR submission from .65 to .64, pursuant to Broker-B's request: "Yeah, okay. Could you make the threes .64 []?" Bank-F's 3-month LIBOR submission dropped from .65 to .64 that day, lowering the resulting LIBOR fix in favor of Trader-1's positions.

53. As another example, in a March 31, 2009 electronic chat, Trader-1 asked Broker-C to help influence 9 of the 16 Contributor Panel banks by convincing them to lower their LIBOR submissions from the previous day, thus lower the resulting 1-month and 3-month Yen LIBOR fix:

Trader-1: mate we have to get 1m and 3m down . . . 1m barely fell
yesterday . . . real important

Broker-C: yeah ok

Trader-1: banks to have a go w in 1m are

Trader-1: [Bank-F]

Trader-1: [Bank-G]

Trader-1: [Bank-H]

Trader-1: [Bank-E]

Trader-1: [Bank-I]

Trader-1: [Bank-C]

Trader-1: [Bank-A]

Trader-1: [Bank-J]

Trader-1: and [Bank-K]

Trader-1: pls

Broker-C: got it mate

That day, consistent with Trader-1's request, 6 of the 9 Contributor Panel banks listed above lowered their 1-month Yen LIBOR submissions relative to the previous day, and the resulting published 1-month Yen LIBOR fix dropped by a full basis point from the day before.

54. As another example, in a March 19, 2009 electronic chat, Broker-B confirmed that he accommodated Trader-1's request to influence Yen LIBOR submitters at other Contributor Panel banks:

Trader-1: need low everything pls try really hard to get [Bank-D] down

Broker-B: ok will try mate
Trader-1: ok try for [Bank-D] and the japanese and [Bank-G] as priority . . .
pls
Broker-B: kkk
Trader-1: thx . . . pls push really hard

48 minutes later, Broker-B resumed the chat, confirming that he had spoken to the banks:

Broker-B: yes already had a word with a couple of them [Bank-D] and
[Bank-A] said they should be lower . . . workin on [Bank-G] and
[Bank-J]

55. Trader-1 also used brokers to disseminate misinformation through a technique known as "spoof bids," whereby brokers, at Trader-1's request, would describe a potential opportunity to engage in certain money market transactions to Contributor Panel banks in an attempt to influence those banks' Yen LIBOR submissions. In truth, there was no intention of going through with the purported money market transactions, and the fictional bids were designed solely to influence Yen LIBOR. During a June 10, 2009 electronic chat, Trader-1 and Broker-B referred to this tactic when discussing efforts they would make that day to manipulate Yen LIBOR:

Trader-1: LOW 1m . . . LOW 3m . . . HIGH 6m . . . 6m is important
today mate . . . pls spoof bids
Broker-B: rite ok mate ill make a special effort

Later in the same chat, Broker-B remarked to Trader-1:

mate yur getting bloody good at this libor game . . . think of me when yur on yur yacht in monaco wont yu

b. UBS's Use of Brokers as Conduits to Other Banks

56. On at least a few occasions, Trader-1 also used cash brokers as conduits to his counterpart traders at other Contributor Panel banks, enlisting the brokers to pass along Trader-1's requests to move Yen LIBOR submissions to benefit UBS's trading book. For example, in a May 21, 2009 electronic chat between Trader-1 and Broker-C, they stated:

Trader-1: can you ask [Trader-A2] for a favour they moved 6m down 2bp yday . . . if they put it back up it would be great

Broker-C: mate not sure if he does libors but i will investigate

Trader-1: yeah i think he can ask a favour . . . it would really help me out . . . ask for me . . . tell him its for [Trader-1]

c. Compensation of Brokers

57. Trader-1 was considered the most successful Yen derivatives trader at UBS,¹¹ and he compensated these brokers for their assistance in several ways: (1) by providing them with substantial amounts of business, thus generating fees or commissions; (2) by engaging in circular transactions (two equal and opposite transactions that canceled each other out) solely for the purpose of generating commissions for the brokers; and/or (3) by engineering a special compensation deal between UBS and a brokerage house.

¹¹ Trader-1 generated approximately \$40 million in profits for UBS in 2007, \$80 million in 2008, and \$116 million during the first 9 months of 2009 until he left UBS in September, 2009.

58. For example, Broker-A2 was compensated for assisting Trader-1 in manipulating Yen LIBOR by a special bonus, and other perks, as evidenced in an August 22, 2008 electronic chat:

Broker-A1: think [Broker-A2] is your best broker in terms of value added :-)

Trader-1: yeah . . . i reckon i owe him a lot more

Broker-A1: he's ok with an annual champagne shipment, a few [drinking sessions] with [his supervisor] and a small bonus every now and then.

d. Knowledge of Yen LIBOR Manipulation Through Cash Brokers

59. Trader-1's use of brokers to manipulate Yen LIBOR was widely known among the traders on the UBS Yen trading desk from 2007 through 2009. In fact, the desk held daily morning meetings before LIBOR was set, in which Trader-1 commonly announced the direction in which he intended to manipulate Yen LIBOR that day.

60. After Trader-1 left UBS in September 2009, the more junior trader who replaced him had discussions with the manager of the Yen trading desk. Based on those discussions, the junior trader felt pressured to continue using brokers to manipulate Yen LIBOR through January 2010.

61. The LIBOR submitters, derivatives traders, and their managers knew this conduct was wrong and therefore attempted to avoid creating evidence of the manipulation. For example, after media reports regarding banks' suspected manipulation of LIBOR, the manager of the Yen derivatives desk cautioned that they should avoid creating written records and should instead use cell phones when contacting brokers. Moreover, to avoid detection of their manipulation, UBS derivatives traders and brokers used coded language in communications to discuss the

dissemination of misinformation to other Contributor Panel banks to influence the ultimate Yen LIBOR fix.

3) Efforts to Collude with Other Banks to Manipulate Yen LIBOR

62. From at least as early as January 2007 and at various times until at least approximately September 2009, Trader-1 communicated with derivatives traders at other Yen LIBOR Contributor Panel banks in an effort to manipulate Yen LIBOR to benefit his trading positions. Trader-1 requested that his counterpart traders at other Contributor Panel banks make requests to their respective Yen LIBOR submitters to contribute a particular LIBOR submission, or to move their submission in a particular direction (i.e., up or down). Trader-1 made these requests to his counterpart traders at other Contributor Panel banks on many occasions.

63. On February 2, 2007, Trader-1 described this method of manipulating LIBOR in an electronic chat with his counterpart Yen derivatives trader (“Trader-A1”) at another Contributor Panel bank (“Bank-A”):

Trader-1: 3[month] libor is too high cause I have kept it artificially high

Trader-A1: how[?]

Trader-1: being mates with the cash desks, [another Contributor Panel bank, (“Bank-C”)] and I always help each other out too.

Trader-A1: that’s useful to know.

64. By April 2007, Trader-1 had requested Trader-A1 to solicit Bank-A LIBOR submitters to contribute submissions which benefited UBS’s Yen trading positions. For example, in an April 20, 2007 electronic chat, Trader-1 stated to Trader-A1:

I know I only talk to you when I need something but if you could ask your guys to keep 3m low wd be massive help as long as it doesn’t interfere with your stuff . . . tx in advance.

Approximately 30 minutes later Trader-1 and Trader-A1 had the following chat:

Trader-1: mate did you manage to spk to your cash boys?

Trader-A1: yes u owe me they are going 65 and 71

Trader-1: thx mate yes I do . . . in fact I owe you big time

Approximately 45 minutes later, after checking to see if Bank-A lowered its 3-month Yen

LIBOR submission to 65, Trader-1 sent the following message to Trader-A1:

Mate[y] they set 64! . . . that's beyond the call of duty!

65. Trader-1 also occasionally requested his counterpart derivatives trader (“Trader-B”) at another Contributor Panel bank (“Bank-B”) to have Bank-B contribute Yen LIBOR submissions to benefit UBS’s Yen trading positions. For example, on May 21, 2009 Trader-1 asked Trader-B: “cld you do me a favour would you mind moving you 6m libor up a bit today, I have a gigantic fix.” Trader-B – who also sometimes acted as the Yen LIBOR submitter for Bank-B – responded “I can do that.” As promised, Trader-B raised Bank-B’s 6-month Yen LIBOR submission by 6 basis points that day.

66. Trader-1 also asked his counterpart derivatives trader (“Trader-C”) at a third Contributor Panel bank (“Bank-C”) to have Bank-C contribute Yen LIBOR submissions to benefit UBS’s Yen derivatives trading positions. For example, in a January 29, 2007 electronic chat with Trader-1, Trader-C asked: “[A]nything you need on libors today? High 6m would help me.” Trader-1 responded, “high 3m I’ll sort our 6m rate for you thanks.” As promised, Trader-1 made a request to the UBS Yen LIBOR submitter for a high 6-month contribution.

67. As a final example, Trader-1 also contacted his counterpart derivatives trader (“Trader-D”) at a fourth Contributor Panel bank, (“Bank-D”), in an effort to influence Bank-D’s Yen LIBOR submissions in order to benefit UBS’s trading positions. For example, in a June 28, 2007 electronic chat with Trader-D, Trader-1 asked: “pls ask ur mate for high 6m mate . . . wd

be really really grateful.” Trader-D responded: “will do, for the record he’s def not my ’mate’!
... but I’ll [send him an electronic chat].” As requested, approximately 15 minutes later, Trader-D sent an electronic chat to the Bank-D Yen LIBOR submitter stating, “high 6m yen libor would be gd according to my brother!” The Yen LIBOR submitter responded, “WILL DO MY BEST.”

68. Trader-1 knew that coordinating with other Contributor Panel banks to manipulate Yen LIBOR was wrong. In a July 22, 2009 electronic chat with Broker-A1, Trader-1 described his plan to coordinate Yen LIBOR submissions with other Contributor Panel banks over the next few weeks while staggering drops in submissions so as to avoid detection:

Trader-1: 11th aug is the big date . . . i still have lots of 6m fixings till the 10th

Broker-A1: if you drop your 6m dramatically on the 11th mate, it will look v fishy, especially if [Bank D] and [Bank B] go with you. I'd be v careful how you play it, there might be cause for a drop as you cross into a new month but a couple of weeks in might get people questioning you.

Trader-1: don't worry will stagger the drops . . . ie 5bp then 5bp

Broker-A1: ok mate, don't want you getting into sh it

Trader-1: us then [Bank B] then [Bank D] then us then [Bank B] then [Bank D]

Broker-A1: great the plan is hatched and sounds sensible

69. As early as February 2007, certain other UBS derivatives traders and submitters were aware of Trader-1’s use of other Contributor Panel banks to manipulate the resulting published Yen LIBOR fix. For example, in a February 15, 2007 electronic chat between Trader-1 and Submitter-1, the following exchange occurred:

Trader-1: can we keep the fix down and let it jump tomorrow?

Submitter-1: i've asked [submitter who is filling in] to keep it low today . . .
tomorrow u tell me what u prefer

Trader-1: ok if we can try to keep our move really really low wd be big
help

Submitter-1: we do our very best ... but will probably fall out [of the middle-two quartiles of submissions averaged to determine the LIBOR fix] anyway

Trader-1: ok you don't have anyone you know anywhere else you can have a word with? as a favour?

Submitter-1: got to pass i'm afraid...never having worked in london doesn't give me that edge; if i was [in the] same poz i'd ask you to have a word with [Bank-C] ;-)

Trader-1: already done that . . . and [Bank-A]

Submitter-1: good man

70. The following week, in a February 22, 2007 electronic chat, Trader-1 attempted to enlist Submitter-3 to contact other Contributor Panel banks to manipulate Yen LIBOR submissions to benefit UBS's Yen derivatives book:

Trader-1: ok hopefully we'll get the fixings down

Submitter-3: I try

Trader-1: thanks do you have any contacts in ldn you can ask also? ie other cash traders?

Submitter-3: other forward traders yes

Trader-1: thx [Submitter-3] any help appreciated . . . if they set libors!

71. Certain UBS managers were also on notice of Trader-1's communications with his counterpart traders and Yen LIBOR submitters at other Contributor Panel banks about obtaining favorable Yen LIBOR submissions. In a July 3, 2009 email, Trader-1's manager, in an attempt to keep Trader-1 from leaving for another bank, lobbied other UBS managers to award a sizable bonus to Trader-1. In the email, Trader-1's manager listed some of his attributes, such as "strong connections with Libor setters in London. This information is invaluable for the

derivatives books.” This email was sent to a senior manager of the Investment Bank in Zurich, who forwarded it to derivatives desk managers, asking for their input. One manager replied:

[Trader-1] does also know some of the traders at other banks (from his London days) but personally I find it embarrassing when he calls up his mates to ask for favours on high/low fixings . . . it makes UBS appear to manipulate others to suit our position; what’s the legal risk of UBS asking others to move their fixing?

72. Despite these communications to UBS managers and senior managers, no one at UBS disciplined or even reprimanded Trader-1, and no one referred this matter to Compliance. Trader-1 continued working as a derivatives trader at UBS until he left on his own accord in September 2009.

B. Swiss Franc

1) Rounding

73. Starting at least as early as 2001, and continuing at least until September 1, 2009, on each trading day on which UBS had Swiss Franc trading positions, UBS’s Swiss Franc LIBOR submitters rounded UBS’s Swiss Franc LIBOR submissions to benefit UBS’s global Swiss Franc trading positions. UBS’s Swiss Franc LIBOR submissions were made by Swiss Franc derivatives traders in Zurich. Each day, the derivatives traders determined the Swiss Franc LIBOR submissions by primarily considering the general movement of Swiss National Bank (“SNB”) interest rates, UBS cash-flow transactions, and Swiss Franc futures contracts. The Swiss Franc LIBOR submitters then would round that proposed submission up or down by $\frac{1}{4}$ to $\frac{1}{2}$ a basis point to benefit the entire global Swiss Franc desk’s daily net position in the Swiss Franc LIBOR-related derivatives markets.

74. In a February 2005 email, a UBS client complained to the UBS Swiss Franc LIBOR submitter that it was apparent that UBS was submitting LIBOR contributions to benefit

the bank's own trading positions. In a responsive email to the complaining client, the UBS Swiss Franc LIBOR submitter did not deny this practice; rather, the submitter justified such conduct as follows:

[I]ts our natural right to reflect our interest in the libor fixing process based on our maturity schedule. Any other bank will do the same. In the case we overdo, we will fall off the fixing process anyway.

This email was also copied to a UBS senior manager.

2) Swiss Franc Derivatives Traders' Requests

75. On a handful of occasions in between July 2006 and May 2007, a Zurich-based UBS Group Treasury employee asked the Swiss Franc LIBOR submitters to contribute LIBOR submissions to benefit his/her trading book of derivatives tied to Swiss Franc LIBOR. The UBS Swiss Franc LIBOR submitters responded favorably to these requests, except in two instances.

76. For example, on July 5, 2006, the Group Treasury employee asked the Swiss Franc LIBOR submitter, in Swiss German, "looking for high 1 month fix." The LIBOR submitter responded, also in Swiss German, "no problem, will fix 1 month high."

C. Pound Sterling

77. From at least as early as November 2007 and at various times through approximately July 2009, certain UBS Pound Sterling derivatives traders in London frequently submitted requests for favorable Pound Sterling LIBOR submissions to UBS's LIBOR submitters. Indeed, LIBOR submitters often solicited these requests by asking the traders for their preferred Pound Sterling LIBOR settings. UBS Pound Sterling LIBOR submitters accommodated these requests on numerous occasions.

78. For example, in a May 27, 2009 electronic chat, a UBS Pound Sterling derivatives trader contacted the UBS LIBOR submitter, stating "need these libors to move

higher. . . .” The LIBOR submitter indicated he would submit a higher LIBOR contribution that day to benefit the trader’s book, responding: “market is calling 6m fix today at 1.485 I will fix it at 1.505”. That day, the UBS 6-month Pound Sterling LIBOR submission was indeed 1.505, just as the LIBOR submitter had assured the derivatives trader.

79. The next day, May 28, 2009, the UBS Pound Sterling LIBOR submitter asked the same derivatives trader whether he wanted “any special libor fixings today?” The derivatives trader, apparently pleased with the prior day’s result, responded: “I would like to see fixings drift higher again . . . yesterday’s came in good.” The submitter responded that he would again accommodate the derivatives trader’s request, stating “ok fix 6m at 1.51” (i.e., .5 basis points higher than the previous day). That day, the UBS 6-month Pound Sterling LIBOR submission was indeed 1.51.

80. As another example, in a September 27, 2007 email, a UBS manager asked ALM why UBS’s Pound Sterling LIBOR submissions were particularly high that day. ALM responded that they had issued a “big forward” (i.e., a financial derivative, similar to a swap, that settles based on where LIBOR fixes on a particular day), and that “we’re trying to keep the fixing high to increase the first interest payment on that first fixing”.

81. This conduct – through which UBS Pound Sterling LIBOR submitters actively solicited derivatives traders for their LIBOR preferences and then accommodated such requests – was a routine feature of UBS’s LIBOR setting process. In keeping with such standard practice, on June 3, 2009, a submitter initiated an electronic chat with a Pound Sterling trader by apologizing and inquiring, “sorry forgot to ask [] any libor fixings today?”

82. These adjustments to UBS’s Pound Sterling LIBOR submissions were intended to benefit derivatives traders’ positions, and were unrelated to any legitimate money market

transactions. For example, a June 17, 2009 electronic chat in which, as was typically the case, the LIBOR submitter solicited LIBOR preferences from the trader, contains the following exchange:

Submitter: Hi libor fixings today?
Trader: hmm . . . I'm hoping to see a high 3m fix
Submitter: ok will fix at 26.5 but market expects 25

As the Sterling submitter indicated, UBS's Pound Sterling LIBOR submission was 26.5, 1.5 basis points away from the submitter's assessment of the market.

D. The Euro

83. From at least as early as September 2005 through approximately June 2010, certain UBS Euro derivatives traders occasionally requested that Euribor submitters contribute submissions to benefit the derivatives traders' positions. UBS submitters often accommodated such requests.

84. For example, in an October 2, 2006 electronic chat between a UBS Euro derivatives trader and the UBS Euribor submitter, the submitter solicited the trader's preference for that day's submission, asking, "any special wishes for the fixing?" The trader responded, "I lose 120k of a received fix today . . . so low would be good." The trader then indicated that his/her request for low Euribor applied to both the 3-month and 6-month tenors, to which the submitter responded, "ok we go 42 and 57."

85. As a further example, in a June 25, 2009 internal UBS chat with 58 viewers, including UBS's representative on the BBA FX Money Market Committee ("UBS's BBA Representative"),¹² the Euribor submitter solicited UBS derivatives traders for their submission

¹² The BBA FX Money Market Committee consisted of representatives from the Contributor Panel banks, who met approximately once a month. According to the BBA, as to all currencies,

preferences, asking, “boys, we send the fixings in about 1hr, so let us know pls.” A derivatives trader immediately responded with, “low 6s high 12s . . . please.” The submitter responded, “noted”.

86. The UBS Euribor submitter and UBS’s BBA Representative knew this practice of submitting a Euribor contribution for the benefit of derivatives traders’ positions was inappropriate. Indeed, as noted above, UBS’s BBA Representative was tasked with monitoring such conduct to preserve the integrity of the submission process. Moreover, five minutes after the June 25, 2009 chat described in the previous paragraph, in a separate electronic chat between the Euribor submitter and UBS’s BBA Representative, UBS’s BBA Representative admonished: “JUST BE CAREFUL DUDE.” The submitter responded, “I agree we shouldn’t ve been talking about putting fixings for our positions on public chat.”

87. UBS’s Fall, 2009 transfer of responsibility for LIBOR and Euribor submissions to ALM did not prevent its derivatives traders from attempting to manipulate these benchmarks. For example, in a June 29, 2010 electronic chat between the former Euribor submitter – who was still an active UBS Euro derivatives trader – and another UBS Euro derivatives trader, they stated:

Former submitter: u got 6mth fix position today?
Trader: 6mth fixing today? . . . nothing.
Former submitter: ok, gonna set fixing 1bp higher on the 6s for the turn then.
Trader: didn’t think you set it!
Former submitter: i don’t but i give my opinion to the ALM desk . . . regarding change, higher/lower.

the Committee was responsible for scrutinizing the LIBOR submissions, and the submission process, for discrepancies, and for developing the “best practice for bank reporting standards and adherence to those standards.” According to internal UBS memoranda, beginning in June, 2008, UBS’s BBA Representative had “overall responsibility for the integrity of the [LIBOR submission] process and for oversight and monitoring of the rates submitted by UBS.”

E. The U.S. Dollar

88. Internal UBS communications show that on two occasions, UBS U.S. Dollar derivatives traders in Stamford made requests for favorable Dollar LIBOR submissions to the UBS Dollar LIBOR submitters on the derivatives trading desk in Zurich.

89. Specifically, on Friday, December 14, 2007, a Stamford-based UBS U.S. Dollar derivatives trader emailed the UBS Dollar LIBOR submitters in London and Zurich, stating: “only one mission for the London crew on Monday. We need 3mo libor set low.” The LIBOR submitter did not accommodate the derivatives trader’s request.

90. In addition, on September 8, 2010, after an investigation of UBS’s LIBOR submissions was underway, a UBS Dollar derivatives trader in Stamford emailed another UBS Dollar derivatives trader who provided input to ALM’s Dollar LIBOR submitter in Zurich, requesting “0.125 lower than yesterday’s 3mth level we suggested.” In response, the derivatives trader who received this email did not accommodate this request and informed the trader that s/he should not send such a communication; the trader who had made the request to influence the LIBOR submission apologized because s/he knew that there was an ongoing investigation into UBS’s LIBOR submissions and that the email was inappropriate.

F. Implications of The Derivatives Traders’ Requests

91. When UBS derivatives traders made requests of UBS rate submitters in order to influence UBS’s benchmark interest rate submissions, and when the submitters accommodated those requests, the manipulation of the submissions affected the fixed rates on various occasions.

92. Likewise, when UBS derivatives traders influenced the submissions of other Contributor Panel banks – either by (1) seeking and receiving accommodations from their counterparts at such banks, or (2) influencing the submissions from other banks with assistance

from cash brokers who disseminated misinformation in the marketplace – the manipulation of those submissions affected the fixed benchmark rates on various occasions.

93. Indeed, the purpose of this activity was to manipulate benchmark submissions from UBS and other banks to influence the resulting fixes and thus to have a favorable effect on the derivatives traders' trading positions. Because traders' compensation was based in part on the profit and loss calculation of the trading books, derivatives traders' requests were intended to benefit their compensation as well.

94. Because of the high value of the notional amounts underlying derivatives transactions tied to LIBOR, Euroyen TIBOR and Euribor, even very small movements in those rates could have had a significant positive impact on the profitability of a trader's trading portfolio, and a correspondingly negative impact on their counterparties' trading positions.

95. UBS entered into interest rate derivatives transactions tied to LIBOR, Euroyen TIBOR and Euribor – such as derivatives, forward rate agreements, and futures – with counterparties to those transactions. Many of those counterparties were located in the United States. Those United States counterparties included, among others, asset management corporations, mortgage and loan corporations, and insurance companies. Those counterparties also included banks and other financial institutions in the United States or located abroad with branches in the United States.

96. In the instances when the published benchmark interest rates were manipulated in UBS's favor due to UBS's manipulation of its own or any other Contributor Panel bank's submissions, that manipulation benefitted UBS derivatives traders, or minimized their losses, to the detriment of counterparties, at least with respect to the particular transactions comprising the trading positions that the traders took into account in making their requests to the rate submitters.

Certain UBS derivatives traders and rate submitters who tried to manipulate LIBOR, Euroyen TIBOR and Euribor submissions understood the features of the derivatives products tied to these benchmark interest rates; accordingly, they understood that to the extent they increased their profits or decreased their losses in certain transactions from their efforts to manipulate rates, their counterparties would suffer corresponding adverse financial consequences with respect to those particular transactions.

97. When the requests of derivatives traders for favorable LIBOR, Euroyen TIBOR and Euribor submissions were taken into account by the UBS rate submitters, UBS's rate submissions were false and misleading. Those false and misleading LIBOR and Euroyen TIBOR contributions affected or tended to affect the price of commodities, including futures contracts. Moreover, in making and in accommodating these requests, the derivatives traders and submitters were engaged in a deceptive course of conduct in an effort to gain an advantage over their counterparties. As part of that effort: (1) derivatives traders and submitters submitted and caused the submission of materially false and misleading LIBOR, Euroyen TIBOR and Euribor contributions; and (2) derivatives traders, after initiating and continuing their effort to manipulate LIBOR, Euroyen TIBOR and Euribor contributions, negotiated and entered into derivative transactions with counterparties that did not know that UBS employees were often attempting to manipulate the relevant rate.

III.

DIRECTIONS BY UBS MANAGERS TO SUBMIT LIBOR CONTRIBUTIONS IN ORDER TO AVOID REPUTATIONAL HARM

98. According to an August 10, 2007 BBA press release, LIBOR closely reflected the real rates of interest being used by the world's large banks, and it reflected the actual rates at which banks borrowed money from each other.

99. Because a bank's LIBOR contributions, even if they are not based entirely on actual money market transactions, should correspond to the cost at which the bank perceives that it can borrow funds in the relevant market, a bank's LIBOR contributions may be viewed as an indicator of a bank's creditworthiness. If a bank's LIBOR contributions are relatively high, those submissions could suggest that the bank is paying more than others to borrow funds. Thus, a bank could be perceived to be experiencing financial difficulties because lenders were charging higher rates to that bank.

100. During 2007 and 2008, certain UBS managers and senior managers in Group Treasury and ALM directed that UBS LIBOR submitters should either "err on the low side" in determining UBS's submissions or should make submissions that would be in "the middle of the pack" of the other Contributor Panel banks. Such directions were conveyed to submitters for multiple LIBOR currencies. The directions were issued, at least in significant part, because of concerns that if UBS submitted higher LIBOR rates relative to other banks, UBS could attract negative attention in the media; during some period of time, UBS personnel believed that such attention was unjustified. UBS sought to avoid negative media attention and, relatedly, sought to avoid creating an impression that it was having difficulty obtaining funds.¹³ The directions that

¹³ Thus, the directions were issued with the intent to influence UBS's LIBOR submissions, rather than with the intent to affect the published LIBOR fix.

UBS managers issued to avoid such problems, to the extent they were motivated by reputational concerns, were inconsistent with the definition of LIBOR. Moreover, those directions influenced the formulation of UBS's LIBOR submissions during some periods of time.

101. At least some at UBS recognized that during this period, the "pack" of Contributor Panel banks was not a reliable reference point for the bank's LIBOR submissions, as is reflected in a September 22, 2008 electronic chat between an ALM employee and another UBS employee:

UBS Employee: why is the [Investment Bank] cash curve for USD so much higher than Libor? offered 35bps above libor currently

ALM employee: because the real cash market isn't trading anywhere near Libor . . . Libors currently are even more ficticious than usual

UBS Employee: isn't libor meant to represent the rate at which banks lend to each other?

ALM employee: that's the theory . . . in practise, it's a made up number . . . hence all the criticism it was getting a few months ago^[14]

UBS Employee: why do banks undervalue it in times like this?

ALM employee: so as to not show where they really pay in case it creates headlines about that bank being desparate for cash . . . I suspect¹⁵

¹⁴ The media criticism of the Contributor Panel banks' LIBOR submissions is discussed below.

¹⁵ The exchange then continued, reflecting the ALM employee's view that LIBOR was particularly "fictitious," at least in part, because of a substantial decline in interbank lending during the financial crisis:

UBS Employee: crazy . . . when you think of how much cash references these libor rates and the banks don't even have to show a tradable price

ALM employee: yep . . . thing is – there is no such thing as a tradable price because there are no interbank term money market trades . . . we haven't lent cash for longer than 1-day to any of our counterparties for months and months . . . so it is all hypothetical

A. The Direction to Err on the Low Side Issued in August 2007

102. On August 9, 2007, an ALM senior manager in Zurich sent an email directing U.S. Dollar and Euro LIBOR submitters at UBS to “err on the low side” compared to the LIBOR submissions of other Contributor Panel banks, in order to protect the bank’s reputation.

103. The events prompting this direction started on or about August 9, 2007, when UBS increased its overnight-rate U.S. Dollar LIBOR submission by an unusually high amount from the day before. A Bloomberg reporter contacted UBS to ask for comment on the increased submission and told UBS that the reporter intended to discuss the jump in connection with stories regarding the collapse of the commercial paper market. The reporter noted that UBS and another bank had been “hit the worst” and asked for an explanation. The reporter further indicated that this was a “huge story.”

104. The inquiry from the Bloomberg reporter caused concern, especially because UBS was scheduled to announce its quarterly results the following week. The UBS press office forwarded the email to a senior manager in Group Treasury observing: “Given that we are announcing our results next week this will need urgent attention.” The senior manager in Group Treasury was concerned about these events and asked the head of ALM in Zurich to look into the matter.

105. The head of ALM concluded that the UBS overnight rate LIBOR submission was in fact higher than it should have been. In addition, he was concerned that the public and press could interpret this high submission as an indication that the bank was having trouble funding itself, when in fact it was not. Accordingly, he determined that UBS should be submitting LIBORs “on the low side” relative to other panel banks’ submissions. This head of ALM memorialized this decision in an August 9, 2007 email to a senior manager in Group Treasury in

Stamford, the manager of the derivatives trading desk that submitted the majority of UBS's LIBOR contributions, and others. The email stated:

it is highly advisable to err on the low side with fixings for the time being to protect our franchise in these sensitive markets. Fixing risk and [profit and loss] thereof is secondary priority for now.¹⁶

The next day, UBS dropped its overnight submission 50 basis points to 5.5.

106. From that point forward, in accordance with instructions contained in the same email from ALM, derivatives traders with experience trading in the short-term money markets coordinated with derivatives traders who were contributing UBS's U.S. Dollar LIBOR submissions. Consistent with this new practice, the next day, August 10, 2007, a Zurich-based derivatives trader, who also traded in the U.S. Dollar short-term money markets ("Submitter Advisor-1"), advised the U.S. Dollar LIBOR submitter that, as to UBS's LIBOR contribution that day, the "aim should really be to be on the lower side of range." When the U.S. Dollar LIBOR submitter described his/her intended LIBOR contribution, Submitter Advisor-1 responded, "this seem probably a tad low right now, but recon that's what we should try to be," and added, "we just don't want to give the market a wrong impression . . . we not struggling to get cash . . . so therefore don't want to be on the highs of libors."

107. Later that day, before leaving for vacation, the U.S. Dollar LIBOR submitter reminded his/her replacement to "Please remember to err on the low side."¹⁷ A month later, on September 5, 2007, the U.S. Dollar LIBOR submitter informed a London-based senior manager in the Investment Bank: "we are fixing on the low side of all other banks in the libor panel in the

¹⁶ The email's reference to "fixing risk" and profit and loss reflect an awareness that others at UBS were manipulating LIBOR to benefit trading positions, as discussed above.

¹⁷ This reminder was contained in an email which was also sent to a senior manager in London who headed the global derivatives trading desks.

4 – 12 mo period by several bps . . . I can justify my fixings if asked . . . [As a] bank we are erring on the low side.”

108. During this period, the direction to “to err on the low side” of LIBOR submissions was well known to various derivatives traders, LIBOR submitters, and managers on the trading desks. The Zurich-based senior manager of the derivatives desks that submitted LIBOR contributions for all currencies interpreted this directive as applying to all currencies, not just U.S. Dollar; this manager also recognized that the purpose of such an “err on the low side” direction was to protect UBS’s image, so that the bank would avoid any appearance that it was uncreditworthy. Likewise, the manager of the Yen trading desk understood that this direction to submit low LIBOR contributions was issued by the senior manager of Group Treasury based in Stamford in order to make the bank appear more creditworthy, and that it applied to all currencies.

109. Trader-1 also understood that this direction came from UBS’s senior managers. In a September 5, 2007 electronic chat with a cash broker, Trader-1 complained about UBS’s low LIBOR submissions, stating: “[A]ll senior management . . . want to show the world we are the strongest bank with loads of liquidity. We’d lend at 0 US! Has been a lot of media focus on barclays libor fixes so they are paranoid.”

110. UBS’s LIBOR submissions continued to be “on the low side” into April 2008, when UBS was submitting its 3-month U.S. Dollar LIBOR contribution below the rates it was paying to obtain unsecured funding at that maturity, such as by issuing commercial paper.¹⁸ In an April 10, 2008 electronic chat between the senior manager heading ALM and a derivatives trader in London, the derivatives trader asked, “if we are [issuing commercial paper] at 2.81%

¹⁸ Commercial paper or “CP” is one way banks and other entities obtain unsecured short-term funding without borrowing in the interbank market. The issuance rate or “level” for commercial paper is the rate of interest paid to obtain such funding.

and that is 3m libor +10 . . . why aren't we putting our 3m rate in at 2.81% for libors [?]" The ALM senior manager replied, "we should," to which the trader replied, "but then [Group Treasury] will rip our boys a new one for being the highest bank in the poll." Approximately five minutes later, the London derivatives trader engaged in an electronic chat with Submitter-Advisor-1 regarding UBS's expected submission that day:

Derivatives trader: can you tell me where you put our 3[month] fixing today please?

Submitter Advisor-1: 69.50 I believe I have suggested to [the U.S. Dollar submitter].

Derivatives trader: can you raise money there? Would you lend there?

Submitter Advisor-1: forget it.

111. After August 9, 2007, UBS's LIBOR submissions remained generally in the lower half of the Contributing Panel banks' contributions until April 2008.

B. The End of the "Err on the Low Side" Direction

114. On April 16, 2008, the Wall Street Journal reported that U.S. Dollar LIBOR Contributor Panel banks, including UBS, were routinely submitting inaccurately low LIBORs in order to make themselves appear more creditworthy. The next day, April 17, 2008, all of UBS's U.S. Dollar LIBOR submissions rose substantially. For example, UBS's 3-month U.S. Dollar submission rose by 9.5 basis points. That same day, the BBA announced that it would expel any banks from the Contributor Panel if it found that they were deliberately making inaccurate LIBOR submissions. The next day, UBS's LIBOR submissions significantly rose again. For

example, UBS's 3-month U.S. Dollar submission rose by another 8.5 basis points, resulting in a total increase of 18 basis points in two days.¹⁹

C. Submitting in the Middle of the Pack and Closer to CD/CP Issuance Levels

115. After the April 2008 Wall Street Journal article and the BBA announcement, the instruction to “err on the low side” was initially replaced with a new effort to make LIBOR submissions “in the middle of the pack” of the Contributing Panel banks. Thus, on April 17, 2008, Submitter Advisor-2 – who was tasked with advising the U.S. Dollar submitter each day – sent an email to the U.S. Dollar LIBOR submitter informing him/her that “the guidance I got from my management with regards to libors is that we should aim to be in the middle of the pack . . . ([Group Treasury] got on their back again as well).”

116. Immediately after this direction was issued on or about April 17, 2008, UBS's LIBOR submissions were in the middle of the submissions of the Contributor Panel banks for the next several days.

117. Later internal communications within UBS discussed the reasons behind the “middle of the pack” directive. On May 21, 2008, a Wall Street Journal reporter asked UBS, by email, why back in mid-April UBS had been “paying 12 basis points for CP more than it was posting as a Libor quote?” The senior manager heading ALM forwarded a proposed answer to this question to the Group Treasury senior manager in Stamford, stating: “the answer would be ‘because the whole street was doing the same and because we did not want to be an outlier in the libor fixings, just like everybody else.’”

118. On April 22, 2008, several days after the middle of the pack directive was issued, a senior manager from Group Treasury in Stamford indicated that UBS should raise its U.S.

¹⁹ Other banks also made higher LIBOR submissions after the April 16, 2008 article. The 3-month U.S. Dollar LIBOR fix rose by 8 basis points on April 17 and 9 basis points on April 18, 2008.

Dollar LIBOR submissions closer to the interest rates they were paying to obtain funds through issuing commercial paper and certificates of deposit (“CD”).²⁰ During this time, while internal communications reflect that effort, such communications also indicate that UBS managers, senior managers, and others remained focused on where UBS’s LIBOR submissions fell relative to those of other banks and did not want UBS’s submissions to stand out by being too high. Thus, in an April 22, 2008 email from ALM to the senior manager heading the derivatives desks that submitted UBS’s LIBORs, and copying the U.S. Dollar submitter-advisors, ALM stated that the Stamford-based Group Treasury senior manager had “requested we fix our libors in \$ a few bps higher going [forward] as we still fix below where we post issuance. . . . only [Bank-E] fixes lower than where they post issuance (same as UBS). . . suggest we hike our fixings . . . and we will still not be the highest fixing.” Similarly, on May 13, 2008, Submitter-2 advised the U.S. Dollar submitter, “for now we don’t want to be the highest [Dollar LIBOR submitter].”

D. UBS’s Move Back to Middle of the Pack

119. In late May, 2008, as noted above, the media continued to question whether Contributor Panel banks were intentionally submitting LIBOR contributions below where they were actually obtaining cash. Also in late May, 2008, UBS’s BBA representative returned to UBS from a BBA meeting and reported his understanding that the BBA would allow banks to use CD/CP rates to determine LIBOR submissions. Soon thereafter, on June 2, 2008, ALM issued a direction to move U.S. Dollar LIBOR submissions closer to the bank’s CD and CP issuance levels. From that date until June 16, 2008, UBS’s LIBOR submissions in tenors of 3

²⁰ CD’s are another way that banks obtain short-term unsecured funding. On June 10, 2008 the BBA expanded the definition of LIBOR to include the interest rate that a Contributor Panel bank perceives it can obtain funds through “through primary issuance of interbank Certificates of Deposit.”

months or longer shot up dramatically. Apparently, however, other banks did not take the same approach during this two-week period.

120. During the week of June 16, 2008, a Zurich-based UBS senior manager directed U.S. Dollar LIBOR submitters to lower their submissions over the next three days “to get in line with the competition” because, by contributing LIBOR submissions closer to CD and CP issuance levels, UBS was becoming an outlier relative to other Contributor Panel banks. In an electronic chat that occurred on Tuesday, June 17, 2008, ALM and the short-term derivatives trader who advised the U.S. Dollar LIBOR submitter discussed this instruction in the following exchange:

Submitter Advisor-2: just spoke to [the U.S. Dollar LIBOR submitter] . . . we are both fine . . . we will start lowering over the next few days to get to more or less middle of the pack . . . until further notice

ALM: we should bring it down fast . . . so we are in line by Friday with the pack

Submitter Advisor-2: tomorrow I will be around libor +11 in 1 yr . . . today we are at +16

ALM: ok

Submitter Advisor-2: we will get there by Friday

ALM: and out to 6m you can be in line tomorrow

Submitter Advisor-2: sure

121. As stated by Submitter Advisor-2, on June 18, 2008, UBS’s 3-month U.S. Dollar LIBOR submissions immediately dropped 5 basis points, to the “middle of the pack” of the Contributor Panel banks.²¹

²¹ On October 21, 2008, Submitter Advisor-2 became the U.S. Dollar LIBOR submitter.

122. From that time, and for approximately the next 10 months, UBS's 3-month U.S. Dollar LIBOR submissions were identical to the published LIBOR fix, and largely consistent with the published LIBOR fix in the other tenors.

123. During this 10-month period, there were significant disruptions in the financial markets, affecting individual financial institutions in different ways. UBS also confronted its own challenges that were not the result of general conditions in the financial industry. For example, in the fall of 2008, UBS received almost \$60 billion from the Swiss government and the Swiss National Bank and borrowed more than \$77 billion from the Federal Reserve Bank. Further, on February 10, 2009, UBS announced an 8.1 billion CHF loss for the fourth quarter of 2008. Moreover, major credit-rating agencies downgraded UBS in July and December 2008. Despite these events, UBS's LIBOR submissions remained in the middle of the pack during this turbulent 10-month period.

124. Communications reflecting this "middle of the pack" approach to formulating LIBOR submissions continued in late 2008 and early 2009. For instance, on October 9, 2008, Yen LIBOR Submitter-1 received an email asking: "Who in Group Treasury said we need LIBOR fixings within the outcome." The Yen LIBOR submitter implemented this directive by submitting LIBOR contributions in such a way so as to not stand out from where other Contributor Panel banks were submitting. His/her understanding was that if s/he submitted a higher LIBOR contribution, it could have indicated that UBS had potential problems, which could pose a reputational risk to the bank. In fact, the Yen LIBOR submitter had been told by his supervisor to consider the bank's submission relative to the submissions of other banks – absent a countervailing request from Trader-1, which would take precedence.

125. In an October 20, 2008 electronic chat with a cash broker, Trader-1 complained about UBS's unchanging Yen LIBOR submissions, stating "we are under a lot of pressure from above to be close to the fix unfortunately."

126. On December 11, 2008, before the U.S. Dollar LIBOR submitter went on vacation, the submitter sent an email instructing the back-up submitters that "[w]e want our fixings to be roughly in the middle of the pack."

127. In early 2009, the Yen LIBOR submitter was warned by one of his/her supervisors to avoid submitting LIBORs too far away from the anticipated LIBOR fix; otherwise, the submitter would be required to provide an explanation for the variance. The LIBOR submitter understood that this was meant to deter submissions that attracted attention.

128. Another UBS Yen LIBOR submitter was told by his/her manager during the financial crisis that UBS's Group Treasury wanted LIBOR submissions not to be too high because of how the bank would be perceived in the media. The submitter took this direction to mean that UBS's LIBOR submissions should not be outliers relative to those of other Contributor Panel banks and that he should submit UBS's LIBOR contributions within the anticipated middle of the eight submissions averaged to determine the resulting LIBOR fix. Accordingly, in an August 10, 2009 email, the Yen LIBOR submitter stated that UBS "will keep to the old guidelines of keeping close to the fixings and not being an outlier." At the time, s/he did not feel as though s/he was in a position to deviate from this approach.

129. The directive to submit LIBOR contributions to be in the middle of the pack of other banks' anticipated submissions was well known to certain LIBOR submitters and their managers. For example, the manager of UBS's Swiss Franc derivatives trading desk understood that in 2008, UBS Group Treasury instituted a policy of submitting LIBORs for all currencies,

including Swiss Franc, in the middle of the pack of other banks' expected LIBOR submissions. S/he received this direction from the senior manager heading ALM, who in turn indicated that the direction came from the Stamford-based Group Treasury senior manager. The Zurich-based senior manager of all derivatives trading desks shared the understanding that this "middle of the pack" strategy applied to setting LIBORs in all currencies, including U.S. Dollar, Swiss Franc, Yen, Pound Sterling, and Euro.²²

130. The senior manager heading ALM, LIBOR submitters for different currencies, and others at UBS knew that it was inappropriate to contribute LIBOR submissions for the purpose of avoiding negative attention in the press or in the markets.

131. In April 2009, ALM reinstated the directive of making LIBOR submissions closer to the bank's CD and CP issuance levels, from which point UBS's U.S. Dollar LIBOR submissions were generally above the published LIBOR fix until on or about September 1, 2009, when ALM took over the responsibility of submitting LIBORs for UBS. After that time, however, ALM continued to receive "market color" from the previous U.S. Dollar LIBOR submitter, who was also a derivatives trader.

E. Interference With Ongoing Efforts To Manipulate Yen Libor

132. On some occasions, the directions issued to "err on the low side" or to remain "in the middle of the pack" conflicted with the efforts of derivatives traders to manipulate LIBOR for the benefit of their trading positions, as described above. For example, in December 2007, Trader-1 wished to have UBS Yen LIBOR submitters increase the bank's contribution to benefit

²²Several internal communications suggest that this practice applied to Euroyen TIBOR submissions as well. For example, in a September 11, 2008 electronic chat between the head of the trading desk and the supervisor of the Euroyen TIBOR submitters, the trading supervisor explained that TIBOR submissions depended "on where others have them" and that UBS did not "wanna stick out from the crowd."

his positions. As a result, the manager of the Yen trading desk emailed London-based senior managers in the Investment Bank, and asked:

How much pressure can we exert on [the Yen LIBOR submitter] to raise our 3[month] yen fixing over the next week? . . . Currently, we are in the bottom quartile [of the submitting banks], a move into the middle [where we can influence the resulting fix] is worth 500K. . . There is some reluctance on their part to move it higher as they are concerned about the reputational risks of putting in a high fix.

133. The following year, in the fall of 2008, Trader-1 wished to have the Yen LIBOR submitters manipulate Yen LIBOR contributions lower to benefit his derivatives trading positions. As a result, on October 8, 2008, Trader-1's manager emailed the London-based senior manager heading derivatives trading globally, explaining the need to be accommodated:

We have a large tiber/libor position which loses if libors move higher. 4[million dollars per basis point]. . . .Group treasury has informed [LIBOR submitters] to put all fixings in the middle of the pack. This has resulted in UBS personally contributing to a ½ bp higher fixing today. Last year [in 2007] when we wanted Libors higher, we were told our fixing had to be low to show UBS's comparative strength.

The next day, Trader-1's manager again asked for relief from the "middle of the pack" directive by emailing a senior manager in London and stating: "[W]e really need some co-operation on the yen libors from those who input. The [UBS Yen LIBOR submitters] we are in contact with wont move them down as someone (think its [a Group Treasury senior manager in Stamford]) says we need to be in the middle of the pack." Trader-1's manager, demonstrating his/her understanding that the "middle of the pack" directive applied to multiple currencies, asked: "[I]s it possible to get an exception for Yen?"

IV.

UBS's ACCOUNTABILITY

134. UBS acknowledges that the wrongful acts taken by the participating employees in furtherance of the misconduct set forth above were within the scope of their employment at UBS. UBS acknowledges that the participating employees intended, at least in part, to benefit UBS through the actions described above. UBS acknowledges that due to this misconduct, UBS, including the UBS branches or agencies in the United States, have been exposed to substantial financial risk, and partly as a result of the penalties imposed by this non-prosecution agreement and under agreements reached with other government authorities, has suffered actual financial loss.