



# Fixed Income Clearing Corporation:

## MBS Novation - MRO Samples

Version 1.03

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## Version Control Page

| Date      | Version # | Name | Description of Change   |
|-----------|-----------|------|---|
| 8/15/2016 | 1.0       | MBSD | Initial version.  |
| 10/6/2016 | 1.01      | MBSD | Add note for CCP Uncompared, CCP Pool Instruct Activity and CCP Compared Pool Status to indicate that new fields (Trade Date and/or EPN Pool Reference Number) are only applicable for novation-eligible CUSIPs.  |
| 3/30/2017 | 1.02      | MBSD | Section 2.6 TBA Reprice and Variance TAP, corrected report ID to MB8106 in card code 01 (was erroneously listed as MB8107).   |
| 7/20/2017 | 1.03      | MBSD | Updated Section 2.2 Pool Conversion and 2.8 Cash Trade (Same Day Settle) Conversion to reflect that POID resulting from generic TBA does not provide Trade Id. In addition, in Cash Trade output, provide example where single PID mapped to multiple trades and converted to POID. |

## Overview of MBS Novation

The mortgage-backed securities (MBS) Novation project is a conversion to operational novation and a simplification of the netting and settlement process that will enable us to eliminate inefficient processing such as NOS. It will expand and extend the services rolled out with Pool Netting, which introduced the comparison, trade guarantee, netting and CCP settlement of pool allocations submitted in satisfaction of members' outstanding to be announced (TBA) obligations. MBSD will continue to require bilateral matching and to support dealer-to-dealer and broker-to-dealer trade submission.

## Changes to Machine Readable Output (MRO)

FICC has updated the existing TBA and Pool Net Machine Readable Output (MRO) available to support the MBS Novation initiative. All MRO was analyzed, and changes limited to minimize member-facing changes. The following document provides samples of each modified or new MRO, focusing on the changes introduced with novation . The samples provided should be reviewed in conjunction with each specific MRO layout, distributed in separate documents. **Please note that this document is for illustrative purposes only; it does not provide all types of data or scenarios that may occur and is not intended to be an exhaustive source of all possible output.**

## 1 Modified MRO

## 1.1 Pool Netting Details

|                       |  |
|-----------------------|--|
| <b>Purpose</b>        | Reflect the results of the current day's pool netting cycle in detail, including netting eligible and non netting eligible PIDs as well as resulting POIDs versus FICC @ system price.   |
| <b>Layout Changes</b> | <p><b>Content Changes</b></p> <p>This existing report show results of daily net, which includes all netting eligible PIDs targeting TBA trades (TFTD/TBA and SBON), resulting in POIDs versus FICC @ system price.</p> <p>In addition to reflecting netting eligible PIDs and resulting POIDs as processed through the net algorithm (as done today), this output will include PIDs targeting these TBA trades, but <u>not</u> netting eligible<sup>1</sup> (e.g. excluded from the net) along with resulting POIDs.</p> <p>Specifically:</p> <ul style="list-style-type: none"> <li>• Each non netting eligible PID processed will be reflected via Pool Instruct Detail Record (card Code 03)</li> <li>• Each resulting POID generated will be reflected via Pool Obligation Detail Record (card Code 04)</li> </ul> |

The example below reflects a file generated for business date 7/28/2016

## → Header of Pool Net Detail

01MB8008-N95001MBXX20160728

→ For CUSIP 01F022477, 1 PID is included in net

## → *Trailer*

99 MBXX 0000002 0000004

<sup>1</sup> For example, PID targets trade with CSD in prior month, or late turn-around

## 1.2 Pool Netting Summary

|  |  |
|--|--|
| <b>Purpose</b>   | Reflect the results of the current day's pool netting cycle in summary, including netting eligible and non netting eligible PIDs.  |
| <b>Layout Changes</b><br><br><u>Pool Instruct Detail Record (CC=02)</u><br>Using space in "filler" record, add:<br><ul style="list-style-type: none"> <li>• Delivery Date</li> </ul> | <b>Content Changes</b><br><br>This existing report shows results of daily net in summary, which includes all netting eligible PIDs targeting TBA trades (TFTD/TBA and SBON).<br><br>In addition to reflecting summary of netting eligible PIDs processed through the net algorithm (as done today), this output will include PIDs targeting these TBA trades, but <u>not</u> netting eligible <sup>2</sup> (e.g. excluded from the net). |

The example below reflects a file generated for business date 7/28/2016

#### → Header of Pool Net Summary

01MB8009-N11901MBGS20160728

→ 2 summary records

## → *Trailer*

99 MBGS 000002 000004

<sup>2</sup> For example, PID targets trade with CSD in prior month, or late turn-around

### 1.3 Compressed Open Commitment

| Purpose   | Condensed listing of all open trades.   |
|---|---|
| Layout Changes  | Content Changes   |
| <u><a href="#">Modify Dealer Detail Record (CC=03)</a></u><br>Using space in "filler" record, add: <ul style="list-style-type: none"> <li>• Commission</li> <li>• Trade Sub-Type (for TFTD only, can be TBA, SPT or STIP)</li> <li>• Pool Number (for SPT only)</li> <li>• Original Trade Par</li> </ul>  | <u><a href="#">Dealer Detail Record (CC=03)</a></u> <ul style="list-style-type: none"> <li>• Give-Up Date obsolete, will be blank</li> <li>• Contra will be FTBA, FSTP or FSTI upon novation, as appropriate</li> <li>• SBON will be vs. FTBA, @ system price and can be odd-lot</li> <li>• SPT can be FSET due to real-time cash SPT Conversion<sup>3</sup>. If FSET, trade will not appear in following version.</li> </ul> |
| <u><a href="#">Modify Broker Detail Record (CC=07)</a></u><br>Using space in "filler" record, add: <ul style="list-style-type: none"> <li>• Selling Dealer Commission</li> <li>• Buying Dealer Commission</li> <li>• Trade Sub-Type (for TFTD only, can be TBA, SPT or STIP)</li> <li>• Pool Number (for SPT only)</li> <li>• Original Trade Par</li> </ul> | <u><a href="#">Broker Detail Record (CC=07)</a></u> <ul style="list-style-type: none"> <li>• Give-Up Date obsolete, will be blank</li> <li>• Trade Type can no longer be OPTN</li> </ul>  |

The example below reflects a file generated for business date 7/28/2016.

## → Header of Compressed OCR

01MB4891-A95001MBXXTEST DEALER

20160728

→ For CUSIP 01F022469, 1 TFTD/TBA

→ For CUSIP 21H030666, 1 SBON, 1 SPT and 1 STIP

→ For CUSIP 01F032682, 1 SBOD with commission

<sup>3</sup>This only occurs when member submit/match SPT with CSD<=today; it is immediately settled via SPTNOS and converted to POID. This is 1<sup>st</sup> time FSET seen in AM Pass report, as NOS previously EOD event only.

#### → Report footer and trailer

## 1.4 Purchase & Sale

|   |  |
|---|--|
| <b>Purpose</b>  | The Purchase and Sale Report serves as the sole binding confirmation of all matched trades. It also reports any subsequent activity associated with a trade i.e., novation, cancel, settle, etc.   |
| <b>Layout Changes</b>   | <b>Content Changes</b>   |
| <u>Modify Dealer Detail Record (CC=03)</u><br>Using space in "filler" record, add:<br><ul style="list-style-type: none"> <li>• Trade Sub-Type (for TFTD only, can be TBA, SPT or STIP)</li> <li>• Pool Number (for SPT only)</li> </ul> | <u>Dealer Detail Record (CC=03)</u> <ul style="list-style-type: none"> <li>• Activity Type GUP obsolete</li> <li>• Activity Type NOV is new, and reflects trade novation</li> <li>• Activity Type RCRT is new, and reflects a replacement trade generated due to the TBA Reprice process.</li> <li>• Give-Up Date obsolete, will be blank</li> <li>• Contra will be FTBA, FSPT or FSTI upon novation, as appropriate after novation</li> <li>• SBON will be vs. FTBA, @ system price and can be odd-lot</li> <li>• SPT can be FSET due to real-time SPT Conversion<sup>4</sup>.</li> </ul><br><u>Settlement Record (CC=05)</u> <ul style="list-style-type: none"> <li>• Control Number/Internal XREF can be DNANOS, RPCNOS or SPTNOS<sup>5</sup></li> <li>• Pool Number will be equal to dummy NOS value (999999) for DNANOS and RPCNOS; will be equal to pool on SPT trade for SPTNOS. NOS due from STIP or non-net eligible PIDs will have FICCNOS as today.</li> <li>• <i>Note: DNANOS and RPCNOS will appear in PM version only</i></li> </ul><br><u>Broker Detail Record (CC=07)</u> <ul style="list-style-type: none"> <li>• Give-Up Date obsolete, will be blank</li> <li>• Trade Type can no longer be OPTN</li> </ul> |

The example below reflects a file generated for business date 4/12/2016.

→ *Header of Purchase & Sale*

01MB4761-A95001MBXXTEST DEALER

20160412P

<sup>4</sup> This only occurs when member submit/match SPT with CSD<=today; it is immediately settled via SPTNOS and converted to POID. This is 1<sup>st</sup> time FSET seen in AM Pass report, as NOS previously EOD event only.

<sup>5</sup> As member can no longer submit external NOS, control number values will only be FICCNOS, DNANOS, RPCNOS or SPTNOS.

► CUSIP Header for 02R080645

0220160402R080645 MBXX FHLMC GOLD SINGLE FAMILY

► Below reflects the settlement of a TFTD/TBA (via DNA NOS) due to DNA settlement

|  |               |               |                           |          |             |  |
|--|---------------|---------------|---------------------------|----------|-------------|--|
| 0320160402R080645 MBXX5665702116NOS    | CSSTEST2A     | TFTD          | S201604112016041220160413 | 20160411 | <b>FTBA</b> | 000000FSET1001425781250001001425781250000001000000000000000000000TBA |
| 0520160402R080645 MBXX5665702116999999 | 0001000000000 | <b>DNANOS</b> | 20160412                  |          |             |  |

► Below reflects the settlement of a TFTD/TBA (via FICC NOS) due to 2 pool allocations, and remaining position repriced (original trade fully settled via reprice NOS; replacement TBA trade created)

|   |               |                |                           |                           |             |  |  |
|---|---------------|----------------|---------------------------|---------------------------|-------------|--|--|
| 0320160402R080645 MBXX5665702121NOS     | CSSTEST4      | TFTD           | B201604112016041220160413 | 20160411                  | <b>FTBA</b> | 000000FSET09997656250000099976562500000001000001330000000000000TBA |  |
| 0520160402R080645 MBXX56657021210DH0002 | 000020000617  | <b>FICCNOS</b> | 20160412                  |                           |             |  |  |
| 0520160402R080645 MBXX56657021210DH0003 | 000029999516  | <b>FICCNOS</b> | 20160412                  |                           |             |  |  |
| 0520160402R080645 MBXX5665702121999999  | 0000500000000 | <b>RPCNOS</b>  | 20160412                  |                           |             |  |  |
| 0320160402R080645 MBXX5666800405        | <b>RCRT</b>   | CSSTEST4       | TFTD                      | B201604112016041120160413 | 20160412    | <b>FTBA</b>  | 000000FMAT11621875000000116218750000000000500000000000581093750TBA |

► Below reflects the settlement of a SPT trade (via SPT NOS) when it is converted to an obligation

|   |               |               |                           |          |             |   |
|---|---------------|---------------|---------------------------|----------|-------------|---|
| 0320160402R080645 MBXX5666700119NOS     | CSSTS3A       | TFTD          | S201604122016041220160413 | 20160412 | <b>FSPT</b> | 000000FSET10048828125000100488281250000001512353500000000000SPT 0DH0001 |
| 0520160402R080645 MBXX56667001190DH0001 | 0001512353500 | <b>SPTNOS</b> | 20160412                  |          |             |   |

► Below reflects the settlement of a STIP trade (via FICC NOS) due to pool allocation

|   |              |                |                           |          |             |  |
|---|--------------|----------------|---------------------------|----------|-------------|--|
| 0320160402R080645 MBXX5666700124NOS     | CSSTS6B      | TFTD           | S201604122016041220160413 | 20160412 | <b>FSTI</b> | 000000PSET1000078125000010000781250000000050002060000500039063STIP |
| 0520160402R080645 MBXX56667001240DH0003 | 000050002060 | <b>FICCNOS</b> | 20160412                  |          |             |  |

► Below reflects novation of a SBOD trade (with broker commission)

|                                  |            |        |      |                           |          |  |
|----------------------------------|------------|--------|------|---------------------------|----------|--|
| 0320160402R080645 MBXX5897615769 | <b>NOV</b> | CSS618 | SBOD | S201604112016041220160400 | 20160412 | <b>FTBAMBZZ0097656FMAT1053066406250010530859375000000500000000005265429688</b> |
|----------------------------------|------------|--------|------|---------------------------|----------|--|

► Trailer

99 MBXX 000013 0000015

## 1.5 CCP Uncompared

|   |   |
|---|---|
| <b>Purpose</b>  | Reflect uncompered pool submissions.  |
| <b>Layout Changes</b>   | <b>Content Changes</b>  |
| <u>Uncompered Pool Submission Detail Record (CC=02)</u><br>Using space in "filler" record, add:<br><ul style="list-style-type: none"> <li>• Trade Date</li> </ul> | <p>This existing output shows pool instructs submitted by members that did not bilaterally match against an advisory. Previously, this output reflected the DK code on any member instructs that were DKed by the counterparty; as all instructs are now versus FICC, this DK code field is obsolete and will no longer be used (e.g. will always have value "NONE").</p> <p>Note: The terms for bilateral match have been expanded to include Trade Date.<br/>           Note: The Trade Date is only applicable for novation-eligible CUSIPs; it will always be blank for PIDs with non-novation-eligible CUSIPs.</p> |

The example below reflects a file generated for business date 7/28/2016.

→ *Header of CCP Uncompared*

01MB8001-N95001MBXX20160728

→ *2 Pool Instructs canceled, one by member and one by system*

|   |                |   |                |
|---|----------------|---|----------------|
| 0220160701F022477BD28513140FAEZ1CANCCANCBXREFCSS005 | 0000033-072716 | 20160727201607192016080155501FSTI000000001500000000000150000001031228760000000000015487181N | NNONE 20160718 |
| 0220160701F030470BA28823140E7FY1SCANCANSXREFCSS104  | 0000101-072616 | 20160726201607192016072955501FTBA000000000342680000000003166720104389138000000000003310462N | NNONE 20160718 |

→ *3 Pool Instructs remain uncompered*

|  |                |   |                |
|--|----------------|---|----------------|
| 0220160701F030470BA69363140EBV65UNCPUNCPBXREFCSS21 | 0000056-072816 | 20160728201607192016080155501FTBA000000006001160000000562528361048984375000000000059092725N | YNONE 20160715 |
| 0220160702R040672Q338423132QQHU9UNCPUNCPBXREFCSS95 | 0000178-072716 | 20160727201607142016080155501FSTI0000000069114800000005754860310701818800000000061670598N   | NNONE 20160712 |
| 0220160702R040672Q351253132QRVT4UNCPUNCPBXREFCSS35 | 0000029-072716 | 20160727201607142016080155501FTBA0000000038418100000002864082510701818800000000030692262N   | YNONE 20160713 |

→ *Trailer*

99 MBXX 000005 000007

## 1.6 CCP Pool Instruct Activity

|  |  |
|--|--|
| <b>Purpose</b>   | Reflects newly compared Pool Instructs and all subsequent updates.   |
| <b>Layout Changes</b>  | <b>Content Changes</b>   |
| <u>Pool Instruct Activity Item Detail Record (CC=02)</u><br>Using space in “filler” record, add: <ul style="list-style-type: none"> <li>• Trade Date</li> <li>• EPN Pool Reference Number</li> </ul> | <u>Pool Instruct Activity Item Detail Record (CC=02)</u><br>New Activity Codes, as follows: <ul style="list-style-type: none"> <li>• FCMP - Force compare member advisory</li> <li>• MFYD – Delivery date change</li> <li>• PNCV – Non netting eligible PID converted to POID</li> <li>• PDCV – STIP PID converted to POID</li> </ul> Following codes no longer used: <ul style="list-style-type: none"> <li>• XNET – PID excluded from netting</li> </ul> <p>Note: The Trade Date and EPN Pool Reference Number are only applicable for novation-eligible CUSIPs; they will always be blank for PIDs with non-novation-eligible CUSIPs.</p> |

The example below reflects a file generated for business date 7/28/2016

## → Header for Pool Instruct Activity

01MB8004-N95001MBXX20160728

→ Below represents a PID that is force compared today and then included in the pool net. Note member supplied EPN pool reference number on corresponding allocation.

0220160701F022477BD22093140F9N35FCMPCOMP001607270000011S000090-072816 0000312-072816 2016072820160728201607192016072955501FTBA0000000029109600000000029109600103122876000000000000030055044N N20160714EPNX548  
0220160701F022477BD22093140F9N35NET CANC001607270000011S000090-072816 0000312-072816 2016072820160728201607192016072955501FTBA000000002910960000000002910960010312287600000000000030055044N N20160714EPNX548

→ Below represents a PID that is force compared today, with no EPN pool reference number supplied by member

0220160701F030470AZ04613138YRQP6FCMPCOMP001607270000028S000091-072816 0000058-072716 2016072820160728201607192016073055501FSTI000000008652470000000007273903910489843750000000000076411224N N20160714

→ Below represents a PID that is not net-eligible and therefore directly converted to a Pool Obligation

0220160701F030470BA69363140EBV65 PNCVCANC001607270000030SXREF0554 0000053-072716 2016072720160727201607192016072955501FTBA00000000095675000000000008968250104898437500000000000009421006N N20160714EPNX133

→ Below represents a STIP PID that is bilaterally-compared by member and then converted to a Pool Obligation

0220160701N04267478320236241LRX6COMP001607280000019SXREF00021 0000319-072816 2016072820160728201607202016072955501FSTI0000000008970250000000002599998110017514000000000000028666301N N20160713EPNX765  
0220160701N04267478320236241LRX6 PDCVANC001607280000019SXREF00021 0000319-072816 2016072820160728201607202016072955501FSTI0000000008970250000000002599998110017514000000000000028666301N N20160713EPNX765

→ Below represents PID whose delivery date is changed post-comparison (at member request)

## → *Trailer*

## 1.7 CCP Pool Obligation Activity

|                       |   |
|-----------------------|---|
| <b>Purpose</b>        | Reflects newly compared Pool Instructs and all subsequent updates.  |
| <b>Layout Changes</b> | <p><b>Content Changes</b></p> <p><u>Pool Obligation Activity Item Detail Record (CC=02)</u></p> <p>Using space in "filler" record, add:</p> <ul style="list-style-type: none"> <li>• Trade Date</li> </ul> <p><u>Pool Obligation Activity Item Detail Record (CC=02)</u></p> <p>New Activity Codes, as follows:</p> <ul style="list-style-type: none"> <li>• PNCV – POID generated from conversion of non netting eligible PID</li> <li>• PDCV – POID generated from conversion of STIP PID</li> <li>• STCV – POID generated from conversion of SPT PID</li> <li>• CXFC – POID cancel via factor update</li> <li>• REFC – Replacement POID via factor update</li> <li>• CXDK – POID cancel due to DK of CC</li> <li>• REDK – Original POID restored due to DK of CC</li> </ul> <p>The Trade Date field is new and will be populated differently based on FICC account:</p> <ul style="list-style-type: none"> <li>• FSTP (SPT trades): Trade Date will reflect the associated SPT trade date</li> <li>• FSTI (STIP allocations): Trade Date will reflect the associated STIP trade date.</li> <li>• FICC (generic TBA trade allocations): Trade Date will be blank</li> </ul> |

The example below reflects a file generated for business date 7/28/2016.

➔ *Header for Pool Obligation Activity*

01MB8005-N12601MBXX20160728

=>*Below reflects a POID generated from conversion of non-netting eligible PID*

0220160701F022477BD22093140F9N35PNCVRND 0016210000157S2016071920160729FICC0000000029109600000000291096001033437500000000000003011933900000000000000000000000000014641D

=>*Below reflects a POID generated from conversion of STIP PID*

0220160701F022477BD22113140F9N50PDCVRND 0016210000159S2016071920160729FSTI00000000708904000000007089040010334375000000000007334941100000000000000000000035656D20160715

=>*Below reflects a POID generated from conversion of SPT trade*

*==> Below reflects a STIP CC that was DK'ed, and therefore the replacement pool canceled and original pool restored*

## → *Trailer*

99 MBXX 000005 000007

The example below reflects a file generated for business date 7/6/2016

→ Header for Pool Obligation Activity

01MB8005-N12601MBXX20160706

=> Below reflects a POID that has settlement date in blackout period, and therefore canceled / replaced when new factor is received

## → *Trailer*

99 MBXX 000002 000004

## 1.8 CCP Compared Pool Instruct Status

|  |  |
|--|--|
| <b>Purpose</b>   | Reflect all Pool Instruct positions and their current state.   |
| <b>Layout Changes</b>  | <b>Content Changes</b>   |
| <u>Compared Pool Instruct Detail Record (CC=02)</u><br>Using space in "filler" record, add:<br><ul style="list-style-type: none"> <li>• Trade Date</li> <li>• EPN Pool Reference Number</li> </ul> | This existing output shows a member's compared pool instructs, and will now reflect the Trade Date, which has been added as a matching term.<br><br>Note: The Trade Date and EPN Pool Reference Number are only applicable for novation-eligible CUSIPs; they will always be blank for PIDs with non-novation-eligible CUSIPs. |

The example below reflects a file generated for business date 7/28/2016.

➔ *Header for Compared Pool Instruct Status*

01MB8006-N95001MBXX20160728

➔ *3 compared PIDs, 2 with EPNX and one without*

```
0220160701F030470AZ04613138YRQP610475000000COMP001607270000023S000091-072716 000078-072716 2016072720160727201607192016080155501FTBA00000000865247000000007273903910438913800000000000076040764N Y20160714EPNX555
0220160701F030470BA59613140EATTO104750000000COMP001607280000055S000157-072816 000088-072816 2016072820160728201607192016080155501FTBA0000000045108900000000437372121043891380000000000045722504N Y201607141134EX
0220160701F030470BA69363140EBV6510475000000COMP001607270000076BXREF1134TG 0000102-072716 2016072720160727201607192016080155501FTBA0000000095675000000008968250104389138000000000009375331N Y20160714
```

➔ *Trailer*

99 MBXX 000003 000005

## 1.9 CCP Pool Obligation Pending Settlement / Status

|  |  |
|--|--|
| <b>Purpose</b>   | Reflect all pool obligations that are pending settlement, settled or canceled on the current business day.   |
| <b>Layout Changes</b>  | <b>Content Changes</b>   |
| <u>Pool Obligation Pending Settlement Detail Record (CC=02)</u><br>Using space in "filler" record, add: <ul style="list-style-type: none"> <li>• Trade Date</li> </ul> | This existing output shows pool obligations pending settlement, including those generated from pool netting, SPT trade conversion and STIP allocations . <p>The Trade Date field is new and will be populated differently based on FICC account:</p> <ul style="list-style-type: none"> <li>• FSTP (SPT trades): Trade Date will reflect the associated SPT trade date</li> <li>• FSTI (STIP allocations): Trade Date will reflect the associated STIP trade date.</li> <li>• FICC (generic TBA trade allocations): Trade Date will be blank.</li> </ul> |

The example below reflects a file generated for business date 7/28/2016

→ Header of CCP Pool Obligation Pending Settlement / Status

01MB8010-N95001MBXX20160728

→ 3 obligations pending settlement, a generic TBA, STIP and SP

→ 1 canceled obligation, a generic TBA

→ 1 settled obligation, a STIP

0220160702R040672Q351253132QRVT4106875000000000SETT00161020000033B2016071420160728FSTI0000000069982700000000052172342106906250000000000000000005585085400000000000000000C20160711

## → *Trailer*

99 MBXX 0000005 0000001

## 1.10 CCP Fail

| Purpose  | Reflect all failing pool clearance obligations versus FICC (delivery date = report date)  |
|--|---|
| Layout Changes   | Content Changes   |
| <u>Pool Obligation Fail Detail Record (CC=02)</u><br>Using space in "filler" record, add: <ul style="list-style-type: none"> <li>• Trade Date</li> </ul> | This existing output shows pool obligations with delivery date = today, but failed to settle.<br><br>The Trade Date field is new and will be populated differently based on FICC account: <ul style="list-style-type: none"> <li>• FSTP (SPT trades): Trade Date will reflect the associated SPT trade date</li> <li>• FSTI (STIP allocations): Trade Date will reflect the associated STIP trade date.</li> <li>• FICC (generic TBA trade allocations): Trade Date will be blank.</li> </ul> |

The example below reflects a file generated for business date 7/28/2016

## → Header of CCP Fail

01MB8011-N195001MBXX20160728

→ 3 failing obligations; a generic TBA, a SPT and a STIF

## → *Trailer*

99 MBXX 0000003 0000005

## 1.11 CCP Pool Instruct TAP Detail

|                               |  |
|-------------------------------|--|
| <b>Purpose</b>                | Reflect all compared Pool Instructs processed in the current business day's Pool Netting cycle and the associated Transaction Adjustment Payment for each individual Pool Instruct.  |
| <b>Layout Changes</b><br>None | <p><b>Content Changes</b></p> <p>This existing report shows netting eligible PIDs processed through the daily net, along with associated pool TAP.</p> <p>In addition to reflecting netting eligible PIDs (as done today), this output will now include the following:</p> <ul style="list-style-type: none"> <li>• PIDs processed through the daily net, but not netting eligible</li> <li>• PIDs, regardless of netting eligibility, processed through the Expanded Pool Net (on SIFMA 24hr day only)</li> </ul> <p>All of these PIDs result in POIDs @ system price and therefore have associated TAP.</p> <p>Each PID above will be reflected via Pool Instruct TAP Detail Record (CC=02).</p> |

The example below reflects a file generated for business date 7/19/2016.

→ *Header of CCP Pool Instruct TAP Detail*

01MB8013-N95001MBXX20160719

→ *2 PIDs processed in netting cycles on current business day*

0220160701F022477BD22093140F9N3520160720000010-071916 XREF1  
0220160701F022477BD22113140F9N50201607210000011-071916 XREF2

B55501FTBA000000000291096000000002910960010312287600000000000000030055044103343750000000000000003011933900000000000064295C  
B55501FTBA000000000708904000000007089040010312287600000000000000731928321033437500000000000000733494110000000000156579C

→ *Trailer*

99 MBXX 000002 000004

2 New MRO

## 2.1 TBA Net Detail

|                |  |
|----------------|--|
| <b>Purpose</b> | Display details about TBA Net – including SBOD trades included in the SBO process along with corresponding TBA TAP, and resulting SBON obligations versus FTBA @ system price. |
|----------------|--|

The example below reflects a file generated for business date 4/13/2016 (72 hr day)

## → Header of TBA Net Detail

01MB8101-N95001MBXXTE ST DEALER

2016041

→ SBOD trades included in net

#### → Resulting SBON obligations vs FTBA

0301F082646MBXX5667403602SBONS2016041320160418FTBA00060000000001159687500000000006958125000  
0301N022445MBXX5667403575SBONB2016041320160418FTBA00013000000001028437500000000001336968750  
0301N022445MBXX5667403608SBONE2016041320160418FTBA000007010990102843750000000000072103650  
0302R082641MBXX5667403603SBONS2016041320160418FTBA0006000000000116437500000000006986250000

## → *Trailer*

99 MBXX 0000022 0000023

## 2.2 Pool Conversion

|         |  |
|---------|--|
| Purpose | Reflect SPT and allocations (STIP and generic TBA) converted to POIDs @ trade execution price on the current business day. |
|---------|--|

The example below reflects a file generated for business date 4/12/2016.

→ *Header of Pool Conversion, business date 4/12/2016*

01MB8102-N95 001MBXXTEST DEALER 20160412

→ *2 SPT trades converted to Pool Obligations*

0202R080645MBXX5666700162XERF143A TFTDSPT S2016041220160413FSPTA591263128KND751005468750000000000000003000000000000027000000000000272196563C  
0402R080645MBXX00161030001997 5666700162S201604122016041320160413FSPTA591263128KND751005468750000000000000300000000000027000000000000272196563C  
0202R080645MBXX5666700119XREF93A TFTDSPT S2016041220160413FSPTDH000131295DHT0100488281250000000000035000000000001512353500000001523770981C  
0402R080645MBXX00161030001985 5666700119S201604122016041320160413FSPTDH000131295DHT0100488281250000000000035000000000001512353500000001523770981C

→ *STIP PID converted to Pool Obligation*

0302R080645MBXX000001215-0412165666700124T5ISSS7P061865 TFTDSTS201604122016041320160413FSTIDH000331295DHB91000078125000000000007268000000000050000206000000501374461C  
0402R080645MBXX00161030001791000001215-0412165666700124S201604122016041320160413FSTIDH000331295DHB91000078125000000000007268000000000050000206000000501374461C

→ *Generic PID converted to Pool Obligation (only applicable for PIDs with non-SIFMA CSD, booked via FICC operations with delivery date=next business day after daily pool net cycle ran)*

0302R080645MBXX000001215-0412175666700125T5ISSS7P061865 TFTDTBA S201604122016041320160413FTBADH000331295DHB91000078125000000000007268000000000050000206000000501374461C  
0402R080645MBXX00161030001791000001215-041217 S201604122016041320160413FICCDH000331295DHB91000078125000000000007268000000000050000206000000501374461C

→ *Trailer*

99 MBXX 000008 000010

### 2.3 Expanded Pool Net Summary

**Purpose** Reflects the summary results of the current day's expanded pool netting cycle, run as part of DNA/Reprice.

The example below reflects a file generated for business date 7/19/2016 (SIFMA CSD-1)

## → Header of Expanded Pool Net Summary

01MB8105-N95001MBXX20160719

→ 3 Pool Netting summary records

## → *Trailer*

99 MBXX 000003 000000

## 2.4 Expanded Pool Net Details

**Purpose** Reflects the detailed results of the current day's expanded pool netting cycle, run as part of DNA/Reprice.

The example below reflects a file generated for business date 7/19/2016 (SIFMA CSD-1).

#### → Header of Expanded Pool Net Detail

01MB8104-N95001MBXX20160719

→ For Pool CUSIP 36241LRX6, 2 Pool Instructs net flat; no resulting Pool Obligation

→ For CUSIP 3622A2T51, 2 Pool Instructs are netted and result in 2 Pool Obligations vs FICC

→ *Trailer*

99

MBXX 0000008 0000010

## 2.5 DNA Status

**Purpose** To capture the DNA requests sent by members. This report will allow members to track their DNA activity and reconcile money differences generated by the pair offs.

The example below reflects a file generated for business date 4/12/2016 (SIFMA CSD-1).

→ Header of DNA Status

01MB8103-N95001MBXXTEST DEALER 2016041

→ Below DNA, which was assigned to 3 trades (2 sell and 1 buy), was settled

0202R080645MBXX5665001806DHDNA2 20160413STLD0000000000673828C  
0302R080645MBXX5665001806DHDNA2 5665702116TFTDS2016041120160413100142578125000000000010000000000000000100000000000001001425781  
0302R080645MBXX5665001806DHDNA2 5665702122TFTDS2016041120160413099937500000000000000000750000000000000005000000000000499687500  
0302R080645MBXX5665001806DHDNA2 5665702119SBONB2016041120160413100292968750000000002000000000000000015000000000001500439453

→ Below DNA, which was assigned to 2 trades (1 sell and 1 buy), was canceled

0202R080645MBXX5665001807DHDNA3 20160413CANC0000000000390625C  
0302R080645MBXX5665001807DHDNA3 5665702115TFTDS2016041120160413100107421875000000000050000000000000005000000000000005000537109  
0302R080645MBXX5665001807DHDNA3 5665702119SBONB201604112016041310029296875000000000200000000000000005000000000000500146484

→ *Trailer*

99 MBXX 000007 000009

## 2.6 TBA Reprice and Variance TAP

|         |   |
|---------|---|
| Purpose | Capture the TBA trade reprice activity occurring on the current business day. This report will allow members to reconcile this reprice activity and any associated money differences. |
|         | In addition, capture cash differences associated with allocation variance, allowing members to reconcile these money differences.   |

The example below reflects a file generated for business date 4/12/2016

→ *Header of TBA Reprice and Variance TAP*

01MB8106-N95001MBXXTEST DEALER 20160412

→ *3 trades below were repriced. Note: 1<sup>st</sup> two were also allocated and as such, have variance TAP (see below).*

0201F030652MBXXAB88261079RATJTSRJH SBON B2016040620160413FTBA10125000000000000120000000000012150000005666700650110906250000000000133087500000000000115875000C  
0202R080645MBXX5665702115DHTEST1 TFTDTBA S2016041120160413FTBA10010742187500000005000000000000500537109566670045411621875000000000058109380000000000080556641D  
0202R080645MBXX5665702122DHTEST5A TFTDTBA S2016041120160413FTBA099937500000000000200000000000019987500056667004171162187500000000002324375000000000032562500D

→ *4 trades below had pools allocated and as such, have associated variance TAP. Note: 1<sup>st</sup> two were also repriced (see above)*

0301F050643MBXX5662701079RATJTSRJH SBON B2016040620160413FTBA1012500000000000052160U110906250000000000000000000005037C  
0302R080645MBXX5665702115DHTEST1 TFTDTBA S2016041120160413FTBA100107421875000000002715001162187500000000000000000004374C  
0302R080645MBXX5669000214DHMRO1B TFTDTBA B2016041220160413FTBA10007226562500000000005923001162187500000000000000000009564D  
0302R080645MBXX5669000217DHMRO1C TFTDTBA S2016041220160413FTBA10046875000000000000001385801162187500000000000000000002183C

→ *Trailer*

99 MBXX 0000007 0000009

## 2.7 POID Factor Update

|                |  |
|----------------|--|
| <b>Purpose</b> | Capture cash differences due to factor updates for POIDs that already settled and have CSD in blackout period. This report will allow members to reconcile the money differences based on the factor updates |
|----------------|--|

The example below reflects a file generated for business date 5/6/2015

➔ *Header of POID Factor Update*

01MB8107-N95001MBXXTEST DEALER

20160412

➔ *2 obligations have factor updated*

0201F030652MBXXAB882631417FYY8141290025807 B201505032015050320160503FICC000000020596710000000204937265103000000000000000000211195390009950000000009946770000000002048707370000021105100400000000068535C  
0201F030652MBXXAB882631417FYY8141290025549 B201505032015050320160504FSPT00000001000000000000099500000991250000000000986459580099500000000994677000000000994677000000009861393600000000032022C

➔ *Trailer*

99 MBXX 000002 000004

## 2.8 Cash Trade (Same Day Settle) Conversion

|                |   |
|----------------|---|
| <b>Purpose</b> | Provide details on cash trades (SPT and allocations) converted to POIDs on real-time basis. |
|----------------|---|

The example below reflects a file generated for business date 4/12/2016

→ *Header of TBA Reprice and Variance TAP*

01MB8108-N95001MBXXTEST DEALER 20160412

→ *Same day generic PID converted to POID, where PID assigned to single trade*

0301F050544MBXX000003015-0411165665701277XREF123456 TFTDTBA B201604112016041220160412FTBA25473331371K4S71051150000000000000000000100000000000000998 2205600000105080460C  
0401F050544MBXX0016103000189000003015-041116 TFTDTBA B201604112016041220160412FTBA25473331371K4S7105115000000000000000000100000000000000998 2205600000105080460C

→ *Same day generic PID converted to POID, where PID assigned to multiple trades*

0301F050544MBXX000003020-0411165665712345XREF1A TFTDTBA B201604112016041220160412FTBA25473331371K4S71051150000000000000000500000000000004991102800000052540230C  
0301F050544MBXX000003020-0411165665745678XREF1B TFTDTBA B201604112016041220160412FTBA25473331371K4S71051150000000000000000500000000000004991102800000052540230C  
0401F050544MBXX0016103000189000003015-041116 B201604112016041220160412FTBA25473331371K4S7105115000000000000000100000000000000998 2205600000105080460C

→ *"as-of" SPT with CSD=4/8/2016 converted to single POID*

0202R080645MBXX5008891162DHMRO4 67 TFTDSPT B2016040720160408FSPTA591263128KND751005468750000000000003000000000000000270000000000000271896563D  
0402R080645MBXX00161030001997 5008891162B201604072016040820160413FSPTA591263128KND7510054687500000000000030000000000000027000000000000271896563D

→ *SPT with CSD=next business day converted to 2 POIDs (this SPT was submitted and matched after 4:30pm cutoff)*

0202R080645MBXX5666700120DHMRO5 6 TFTDSPT S2016041220160413FSPTDH000131295DHT01004882812500000000008000872500000077344344600007772929283C  
0402R080645MBXX00161030001986 5666700120S201604122016041320160413FSPTDH000131295DHT0100488281250000000000500000000000483350000000004857821074C  
0402R080645MBXX00161030001987 5666700120S201604122016041320160413FSPTDH000131295DHT010048828125000000000030008725000000290094344600002915828209C

→ *Same day STIP PID converted to POID*

0302R080645MBXX000001215-0412165666700124XREFSTIP061865 TFTDSTSPT201604102016041220160412FSTIDH000331295DHB9100078125000000000007268000000000050000206000000501263350C  
0402R080645MBXX0016103000189000001215-0412165666700124S201604102016041220160412FSTIDH000331295DHB9100078125000000000007268000000000050000206000000501263350C

→ *Trailer*

99 MBXX 00000012 0000014

## 2.9 Split/Splice MRO

|         |  |
|---------|--|
| Purpose | This output identifies dealer trades matched as a result of Net Position match (a.k.a. Net Position Match), allowing members to reconcile this activity. |
|---------|--|

The example below reflects a file generated for business date 4/12/2016.

→ *Header for Split/Splice*

01MB8109-N95001MBXXTEST DEALER 20160412

→ *Below represents a split, where 1 trade is split into two trades. Note 1 resulting trade is fully matched, and one partially matched.*

0201F022477MBXX0000000000700915SPCX1930705681XREF001 SBODB201604122016041220160401 MBZZ103710937500000000500000000  
0201F022477MBXX0000000000700915SPCR5883700901XREF001 SBODB201604122016041220160401FMATMBZZ103710937500000000340000000  
0201F022477MBXX0000000000700915SPCR5883700902XREF001 SBODB201604122016041220160401PMATMBZZ103710937500000000160000000

→ *Below represents a split/splice combo, where 2 trades are combined and split into 2 resulting trades of different sizes*

0201F030488MBXX0000000000705407SPCX1930755098XREF002 SBODB201604122016041220160401 MBZZ104917968750000000600000000  
0201F030488MBXX0000000000705407SPCX1930890012XREF003 SBODB201604122016041220160401 MBZZ104917968750000000400000000  
0201F030488MBXX0000000000705407SPCR5883700956 SBODB201604122016041220160401PMATMBZZ104917968750000000200000000  
0201F030488MBXX0000000000705407SPCR5883700989 SBODB201604122016041220160401FMATMBZZ104917968750000000800000000

→ *Below represents a splice, where 2 trades are combined into 1*

0201F030488MBXX0000000000706483SPCX1940000101XREF004 TFTDS201604122016041220160415 MBZZ10212500000000000005000000000TBA  
0201F030488MBXX0000000000706483SPCX1930000102XREF005 TFTDS201604122016041220160415 MBZZ10212500000000000005000000000TBA  
0201F030488MBXX0000000000706483SPCR5883600405 TFTDS201604122016041220160415FMATMBZZ1021250000000000010000000000TBA

→ *Trailer*

99 MBXX 0000010 0000012