BDF - Public



ECMS

Final Release Note

RN-41.01-14.6.1

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# 

# Introduction

This note provides an overview of the envisaged features for the release to be provided on **11/01/2025**.

## Release number and software version

This release has the following release number: **RN-41.01-14.6.1**

The relevant software version is **V.14.6.1**

# Release information

### Change requests

* CR ECMS-0098-UDFS - Corporate Action amendments for ECMS Go Live
* Part 1: Credit transfer from ECMS to CLM for the CCBM CA scenario

### Defect information

This release provides the fixes for the 51 following Problems:

| **PBI** | **Category** | **Summary** | **User** |
| --- | --- | --- | --- |
| 87383 | ECMS.Application.MultiPooling | [EAT2] Credit Claim Transfer between CTPYs – no multi-instruction possible | ECB |
| 118773 | ECMS.Application.Statements and reporting | [EAC] Concentration Limit Report not generated | ECB |
| 123829 | ECMS.Application.U2A screens | [APPR]U2A statement of transaction fields review to align UHB, SW and UDFS | ES |
| 125864 | ECMS.Application.Contingency | [CBT] OMO instructions get stocked during activated ECONS II | DE |
| 130699 | ECMS.Application.U2A screens | [EAC] Excel export ignored when the search contain more than 10000 lines | DE |
| 134038 | ECMS.Application.MultiPooling | [AEAC] Multiple issues with internal transfer of CCs | IT |
| 134039 | ECMS.Application.Operational day | [CBT][EAC][EMC Instruction DELTA Decrease non-compulsory with MCL pending due to liquidity insufficiency led to a wrong calculation of the credit line at end of day.] | DE |
| 139217 | ECMS.Application.Cash as collateral | [APPR] [CTP1] [CTP2] Cash collateral instruction should not impact in a pool ONLY margin call when there is not any margin cal. | DE |
| 142330 | ECMS.Application.OMO | [APPR] [TOP] [CTP1] [CTP2] concurrency when impacting the direct payment | EE |
| 142982 | ECMS.Application.Contingency | EAC ECONS An EMC Instruction Decrease “Compulsory” was settled in EUCO-Pool in ECMS during contingency mode. After switch back to regular mode, ECL and RCL were not realigned to new SCL. | DE |
| 143783 | ECMS.Application.Billing | [APPR][Billing]Different total amounts for Market Charges, NCB Billing Fees Report, Invoice Data File | IT |
| 143797 | ECMS.Application.Billing | [APPR]NCB Billing Fees Report showing incorrect values for CCBM fees | DE |
| 145917 | ECMS.Application.U2A screens | Summary: Megacor alerts need to be improved. | PT |
| 146416 | ECMS.Application.Operational day | NTP1 Stuck in Executing during CC valuation | Inc |
| 146798 | ECMS.Application.U2A screens | APPR NCB User ECMS Dashboard is empty - NCB User ECMS Dashboard remains blank | NL |
| 147071 | ECMS.Application.Statements and reporting | Performance issue when downloading SoH PDF report | FR |
| 148688 | ECMS.Application.Credit Claims | [EAC] CC DEMOB - CC file with only demobilisations : valuation performed twice - valuation added for the demobilisation appears after the demobilisation global movement | FR |
| 148702 | ECMS.Application.Standing Facilities | [APPR] [CTP2]UTEST: MLOR Operation error | IT |
| 148716 | ECMS.Application.Credit Claims | [APPR] DEMOB caused decrease movement on wrong account | IT |
| 148717 | ECMS.Application.Credit Claims | [APPR] Credit Claims - pattern used to check the attribute Agent bank for U2A input is different from the one used in the CC file schema and applied for the A2A Files. | FR |
| 149383 | ECMS.Application.Statements and reporting | The header of Official SoH and SoT generated should contain the logo of the NCB. | IT |
| 149877 | ECMS.Application.Global credit and collateral position | [GCCP] Credit line got updated and increased without given reason or collateral backing! | AT |
| 150160 | ECMS.Application.Corporate Actions | Seev.035 cannot be processed due to concurrent update | HR |
| 150505 | [ECMS.Technical.Other](javascript:showDetailWithPersid(%22pcat:402032%22)) | NRO - Bug with asynchronous processing when adding the event | DE |
| 150637 | ECMS.Application.Credit Claims | [EAC] CC-4eyes Add Screen Display /Update Creditor counterparty Links | FR |
| 150917 | ECMS.Application.Operational day | Event Provide Prices to TPA/T2S\_is failed not blocking | Inc |
| 151295 | ECMS.Application.Credit Claims | [Credit Claims] demobilisation of crdit claims - Global CC Demob Decrease rounding issue when summing the position to decrease.pool variation amount and CL variation differs from the CC collateral value. | IT |
| 151649 | ECMS.Application.U2A screens | Error when trying to amend the amount of results displayed in the list screen of the “T2S Eligible Marketable Assets” | DE |
| 151722 | ECMS.Application.Contingency | [EAC][ECONS]Wrong order of sending credit line after contingency | IT |
| 151764 | ECMS.Application.Global credit and collateral position | [APPR] [CTP 1] [CTP 2] Credit Line for 2 CTPYs - not alinged - Credit line configuration recreated and then resubmit rejected payment | HR |
| 151906 | ECMS.Application.Statements and reporting | “U2A-StatementDeposit” parameter description is displayed incomplete in the Official SoH | ES |
| 151981 | ECMS.Application.Credit Claims | [APPR] [CTP1] [CTP2] - Processing report - Size decision to root to the message channel or to the file channel should be adjusted with a buffer reserved for the signature | FR |
| 152577 | ECMS.Application.Statements and reporting | Statistical Balance Payments-Wrong in/out indicator | ES |
| 152602 | ECMS.Application.Pool Position and pool projection | Message Subscription screen - NCB Participant identified by Internal Id instead of RIAD Code | NL |
| 152780 | [ECMS.Technical.Other](javascript:showDetailWithPersid(%22pcat:402032%22)) | [AEAC][APPR] [Performance] Task ESA sector Collateral Group takes too much time to execute | OT |
| 152798 | ECMS.Application.Billing | [APPR] The non-eligible CC should be included in calculation of fees | FI |
| 152809 | ECMS.Application.Credit Claims | [Credit Claims] - maturing process not triggered after reception of CCU - EAC\_LU\_MegaLend\_Credit Claims Update\_CC maturing T+3 Sunday not updated to 0 | LU |
| 152859 | ECMS.Application.Global credit and collateral position | Credit Line miss alignement btw ECMS and CLM For 18 CTPTYs | HR |
| 153002 | ECMS.Application.Contingency | OMO 20550012 in status Closed-Waiting FX Payment confirmation after 4eyes Confirm FX Payment. | FR |
| 153172 | ECMS.Application.Corporate Actions | Pacs.010 keeps generating on Hold | FR |
| 153441 | ECMS.Application.Credit Claims | [Credit Claims] - Unexpected BRCCF06 and BRCCF07 error on 3 counterparties - MOB and DEMOB instructions are no more created due sequence issue (ORA-00001: unique constraint (FRCB.EIFICATION\_1GG21A9\_NIDPRIMARY\_) violated) | FR |

# Additional Information

The regression risk for this release is considered low according to regression tests performed in IAC and the analysis done by the support teams. See the section restriction 3.4.2 for more details.

## XSD version

The following principles and rules referring XSD versions apply:

|  |  |  |
| --- | --- | --- |
|  | **Message Version** | **Additionally available Message Version** |
| **Software Version** | ECMS UDFS v 1.2  Binding versions published 31/01/2023  28/05/2023 | n/a |
| **MyStandards** | ECMS UDFS v 1.2  Binding versions published 31/01/2023  28/05/2023 | n/a |

Links to MyStandards message usage guidelines are available under the dedicated section in 3.2.

## Message usage guidelines

| **Message Idr** | **Message Name** | **MyStandards Link** |
| --- | --- | --- |
| admi.005.001.01 | ReportQueryRequest | <https://www2.swift.com/mystandards/#/mp/mx/_cpPN-54eEe2_HrtFlPkgmg/_cpPN_J4eEe2_HrtFlPkgmg/!content> |
| admi.007.001.01 | ReceiptAcknowledgement | https://www2.swift.com/mystandards/#/mp/mx/\_cpPN-54eEe2\_HrtFlPkgmg/\_cpPN\_Z4eEe2\_HrtFlPkgmg/!content |
| camt.004.001.08 | Return Account (AML) | https://www2.swift.com/mystandards/#/mp/mx/\_JqeaEGV0EeiVZ9TevhqGpw/\_PuQDMw4TEeuC29xszeiKFA!content |
| camt.011.001.07 | Modify Limit (update Credit Line) | https://www2.swift.com/mystandards/#/mp/mx/\_qCKyUG8BEe2mUZI\_ykUOqg/\_qCKyVm8BEe2mUZI\_ykUOqg/!content |
| camt.019.001.07 | Return Business Day Information | https://www2.swift.com/mystandards/#/mp/mx/\_-F77ALUMEem3D\_kns4F02w/\_QCsyITMTEeupe-EX861w5Q!content |
| camt.025.001.05 | Receipt (Status on Credit Freezing Update, Modify Limit, Externally Managed Collateral) | https://www2.swift.com/mystandards/#/mp/mx/\_qCKyUG8BEe2mUZI\_ykUOqg/\_qCKyUm8BEe2mUZI\_ykUOqg/!content |
| camt.029.001.09 | Resolution of Investigation (Status on Cancellation of Payment) | https://www2.swift.com/mystandards/#/mp/mx/\_qCKyUG8BEe2mUZI\_ykUOqg/\_qCKyU28BEe2mUZI\_ykUOqg/!content |
| camt.036.001.05 | DebitAuthorisationResponse | https://www2.swift.com/mystandards/#/mp/mx/\_qCKyUG8BEe2mUZI\_ykUOqg/\_qCKyUW8BEe2mUZI\_ykUOqg/!content |
| camt.050.001.05 | Providing Liquidity to ECONS II | <https://www2.swift.com/mystandards/#/mp/mx/_CvIYkGflEeiHpY3ZWojbGQ/_6CqRoR2UEem4Eo9C5uuzUw!content> |
| camt.054.001.08 | BankToCustomerDebitCreditNotification |  |
| camt.056.001.08 | Payment Cancellation Request | https://www2.swift.com/mystandards/#/mp/mx/\_qCKyUG8BEe2mUZI\_ykUOqg/\_qCKyVG8BEe2mUZI\_ykUOqg/!content |
| camt.077.001.01 | Billing Report | https://www2.swift.com/mystandards/#/mp/mx/\_qCKyUG8BEe2mUZI\_ykUOqg/\_SJB9gG8CEe2EhuLuaqiVkw/!content |
| camt.998.001.03 | Credit Freezing Update | https://www2.swift.com/mystandards/#/mp/mx/\_e574t54zEe2\_HrtFlPkgmg/\_e574uJ4zEe2\_HrtFlPkgmg/!content |
| camt.998.001.03 | Modify Credit Line | https://www2.swift.com/mystandards/#/mp/mx/\_Q8zp0LKEEeiksOjtS2t1cA/\_WQ3kcbKEEeiksOjtS2t1cA!content |
| colr.003.001.04 | Margin Call Request | https://www2.swift.com/mystandards/#/mp/mx/\_LhPllJ4zEe23Lve-6NzfEg/\_LhPllp4zEe23Lve-6NzfEg/!content |
| colr.016.001.04 | Pool Position Report | https://www2.swift.com/mystandards/#/mp/mx/\_LhPllJ4zEe23Lve-6NzfEg/\_LhPllZ4zEe23Lve-6NzfEg/!content |
| colr.019.001.01 | TripartyCollateralTransactionInstruction | https://www2.swift.com/mystandards/#/mp/mx/\_To6PEJ4ZEe2\_HrtFlPkgmg/\_To6PEZ4ZEe2\_HrtFlPkgmg!content |
| colr.020.001.01 | TripartyCollateralStatusAndProcessingAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_To6PEJ4ZEe2\_HrtFlPkgmg/\_To6PEp4ZEe2\_HrtFlPkgmg!content |
| colr.021.001.01 | TripartyCollateralAllegementNotification | https://www2.swift.com/mystandards/#/mp/mx/\_To6PEJ4ZEe2\_HrtFlPkgmg/\_To6PE54ZEe2\_HrtFlPkgmg!content |
| colr.022.001.01 | TripartyCollateralAndExposureReport | https://www2.swift.com/mystandards/#/mp/mx/\_To6PEJ4ZEe2\_HrtFlPkgmg/\_To6PFJ4ZEe2\_HrtFlPkgmg!content |
| colr.024.001.01 | TripartyCollateralAllegementNotificationCancellationAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_To6PEJ4ZEe2\_HrtFlPkgmg/\_To6PFZ4ZEe2\_HrtFlPkgmg!content |
| head.001.001.01 | BusinessApplicationHeader | https://www2.swift.com/mystandards/#/mp/mx/\_V7r4F54bEe23Lve-6NzfEg/\_V7r4GJ4bEe23Lve-6NzfEg/!content |
| head.002.001.01 | BusinessFileHeader | https://www2.swift.com/mystandards/#/mp/mx/\_V7r4F54bEe23Lve-6NzfEg/\_V7r4GZ4bEe23Lve-6NzfEg/!content |
| pacs.002.001.10 | Payment Status Report | https://www2.swift.com/mystandards/#/mp/mx/\_7qemYJ4gEe23Lve-6NzfEg/\_7qemY54gEe23Lve-6NzfEg/!content |
| pacs.009.001.08 | Financial Institution Credit Transfer | https://www2.swift.com/mystandards/#/mp/mx/\_7qemYJ4gEe23Lve-6NzfEg/\_7qemYp4gEe23Lve-6NzfEg/!content |
| pacs.010.001.03 | Financial Institution Direct Debit | https://www2.swift.com/mystandards/#/mp/mx/\_7qemYJ4gEe23Lve-6NzfEg/\_7qemYZ4gEe23Lve-6NzfEg/!content |
| reda.024.001.01 | CollateralValueCreationRequest | https://www2.swift.com/mystandards/#/mp/mx/\_h9GqUJBqEeul5tJbTfO5mw/\_OlkM4JB1Eeul5tJbTfO5mw!content |
| reda.025.001.01 | EligibleSecuritiesCreationRequest | https://www2.swift.com/mystandards/#/mp/mx/\_h9GqUJBqEeul5tJbTfO5mw/\_547XsaytEeu5TKv36vD2Ig!content |
| reda.027.001.01 | CloseLinkCreationRequest | https://www2.swift.com/mystandards/#/mp/mx/\_h9GqUJBqEeul5tJbTfO5mw/\_cipy0JB1Eeul5tJbTfO5mw!content |
| reda.028.001.01 | CollateralDataStatusAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_h9GqUJBqEeul5tJbTfO5mw/\_6mVa0ayuEeu5TKv36vD2Ig!content |
| reda.074.001.01 | TripartyCollateralUnilateralRemovalRequest | https://www2.swift.com/mystandards/#/mp/mx/\_To6PEJ4ZEe2\_HrtFlPkgmg/\_To6PFp4ZEe2\_HrtFlPkgmg!content |
| reda.075.001.01 | EligibleSecuritiesDeletionRequest | https://www2.swift.com/mystandards/#/mp/mx/\_h9GqUJBqEeul5tJbTfO5mw/\_4F994JB1Eeul5tJbTfO5mw!content |
| reda.077.001.01 | CloseLinkDeletionRequest | https://www2.swift.com/mystandards/#/mp/mx/\_h9GqUJBqEeul5tJbTfO5mw/\_Yze88JB2Eeul5tJbTfO5mw!content |
| seev.001.001.11 | MeetingNotification | https://www2.swift.com/mystandards/#/mp/mx/\_BZ3LAPciEe6RPaUhR4Kiuw/\_d4yNQPcjEe6Xoe\_xKtvjoQ!content |
| seev.031.001.14 [Binding] | CorporateActionNotification | https://www2.swift.com/mystandards/#/mp/mx/\_BZ3LAPciEe6RPaUhR4Kiuw/\_\_lyv4PciEe6Xoe\_xKtvjoQ!content |
| seev.032.001.08 [Binding] | CorporateActionEventProcessingStatusAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_fWasQP5GEe2Isabat7xeaQ/\_fWasQ\_5GEe2Isabat7xeaQ!content |
| seev.033.001.12 [Binding] | CorporateActionInstruction | https://www2.swift.com/mystandards/#/mp/mx/\_fWasQP5GEe2Isabat7xeaQ/\_fWasRP5GEe2Isabat7xeaQ!content |
| seev.034.001.14 [Binding] | CorporateActionInstructionStatusAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_BZ3LAPciEe6RPaUhR4Kiuw/\_PQxEIB2oEe-1O\_AyFpsc3Q!content |
| seev.035.001.15 [Binding] | CorporateActionMovementPreliminaryAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_BZ3LAPciEe6RPaUhR4Kiuw/\_k6foMPvTEe6YEdYhorsJ1Q!content |
| seev.036.001.15 [Binding] | CorporateActionMovementConfirmation | https://www2.swift.com/mystandards/#/mp/mx/\_BZ3LAPciEe6RPaUhR4Kiuw/\_7TMTEPvUEe6Xoe\_xKtvjoQ!content |
| seev.037.001.15 [Binding] | CorporateActionMovementReversalAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_BZ3LAPciEe6RPaUhR4Kiuw/\_QRROsPcjEe6Xoe\_xKtvjoQ!content |
| seev.039.001.12 [Binding] | CorporateActionCancellationAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_fWasQP5GEe2Isabat7xeaQ/\_fWbTUv5GEe2Isabat7xeaQ!content |
| seev.040.001.12 [Binding] | CorporateActionInstructionCancellationRequest | https://www2.swift.com/mystandards/#/mp/mx/\_fWasQP5GEe2Isabat7xeaQ/\_fWbTU\_5GEe2Isabat7xeaQ!content |
| seev.041.001.13 [Binding] | CorporateActionInstructionCancellationRequestStatusAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_fWasQP5GEe2Isabat7xeaQ/\_fWbTVP5GEe2Isabat7xeaQ!content |
| seev.042.001.12 [Binding] | CorporateActionInstructionStatementReport | https://www2.swift.com/mystandards/#/mp/mx/\_BZ3LAPciEe6RPaUhR4Kiuw/\_VygSYPv0Ee6YEdYhorsJ1Q!content |
| seev.044.001.12 | CorporateActionMovementPreliminaryAdviceCancellationAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_fWasQP5GEe2Isabat7xeaQ/\_fWbTVv5GEe2Isabat7xeaQ!content |
| semt.002.001.10 [Binding] | SecuritiesBalanceCustodyReport | https://www2.swift.com/mystandards/#/mp/mx/\_JbdZYOVBEeuhaqnPYdiQhw/\_JbdZYeVBEeuhaqnPYdiQhw!content |
| semt.017.001.09 [Binding] | SecuritiesTransactionPostingReport | https://www2.swift.com/mystandards/#/mp/mx/\_JbdZYOVBEeuhaqnPYdiQhw/\_JbdZY-VBEeuhaqnPYdiQhw!content |
| semt.018.001.10 [Binding] | SecuritiesTransactionPendingReport | https://www2.swift.com/mystandards/#/mp/mx/\_JbdZYOVBEeuhaqnPYdiQhw/\_JbdZYuVBEeuhaqnPYdiQhw!content |
| sese.020.001.06 | SecuritiesTransactionCancellationRequest | https://www2.swift.com/mystandards/#/mp/mx/\_bqwLEIDKEeu33vEL3nRjtw/\_bqwyIoDKEeu33vEL3nRjtw!content |
| sese.023.001.09 | SecuritiesSettlementTransactionInstruction | https://www2.swift.com/mystandards/#/mp/mx/\_bqwLEIDKEeu33vEL3nRjtw/\_bqwyIYDKEeu33vEL3nRjtw!content |
| sese.024.001.10 | SecuritiesSettlementTransactionStatusAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_bqwLEIDKEeu33vEL3nRjtw/\_bqwLEYDKEeu33vEL3nRjtw!content |
| sese.025.001.09 | SecuritiesSettlementTransactionConfirmation | https://www2.swift.com/mystandards/#/mp/mx/\_bqwLEIDKEeu33vEL3nRjtw/\_bqwLEoDKEeu33vEL3nRjtw!content |
| sese.027.001.05 | SecuritiesTransactionCancellationRequestStatusAdvice | https://www2.swift.com/mystandards/#/mp/mx/\_bqwLEIDKEeu33vEL3nRjtw/\_bqwyIIDKEeu33vEL3nRjtw!content |
| sese.032.001.09 | SecuritiesSettlementTransactionGenerationNotification |  |

## Non-iso files

| **Schema file** | **Schema file version** |
| --- | --- |
| Credit Claim file | Credit\_Claims\_file\_Schema\_20240619.xsd |
| Credit Claim Processing report file | CC\_Processing\_Report\_file\_Schema\_20230417.xsd |

- Message Pagination implemented for CC file

## Restrictions

### Restrictions coming from previous releases

* Export of ECMS U2A reports is working as dessigned with restriction in PDF format – pending ECMS-WG validation of fields
* Migration – Issues following the migration of CC Cross Border: Based of the Country code of the debtor instead of the governing law
* Multipooling:
  + The transfer of CC is not working properly
* Credit claims:
  + CC demobilization process not fully stable due to the current review (consolidation of demobilization)
* The signing process is working correctly after clicking on the first error message asking to check if GoSign Desktop is running.
* When cancelling a MAI in 4-eyes with counterparty user, the second counterparty user can’t validate/reject. NCB can do it on behalf.
* Credit Claims:
  + CCU instruction is impacting every data except the outstanding amount

### New restrictions introduced with this Release

* None

## Corporate Action Events

The below table provides the status details on of each Corporate Action Event:

| **CA Event** | | | **Impacted flows per Event** | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Notification** | **Instruct** | **Advise** | **Confirm** | **Reverse** |
| **CA Event ID** | **CA Event name** | **Option** |
| ACTV | Trading Status: Active | MAND-N/A | X |  |  |  |  |
| BIDS | Repurchase Offer/Issuer Bid/Reverse Rights | VOLU-CASH,NOAC,CTEN | X | X | X | X | X |
| BPUT | Put Redemption | VOLU-CASH, NOAC | X | X | X | X | X |
| BRUP | Bankruptcy | MAND-N/A | X |  |  |  |  |
| CAPI | Capitalisation | MAND-N/A | X |  |  |  |  |
| CERT | Non-US TEFRA D Certification | CHOS-QINV,NOQU | X | X |  |  |  |
| CHAN | Change | MAND-N/A,SECU | X |  | X | X | X |
| CONS | Consent | VOLU-CONN,CONY,ABST,NOAC | X | X | X | X | X |
| CONV | Conversion | MAND-SECU, | X |  | X | X | X |
| CONV | Conversion | VOLU-CASE, CASH,SECU, NOAC | X | X | X | X | X |
| CREV | Credit Event | MAND-N/A | X |  |  |  |  |
| DFLT | Bond Default | MAND- N/A | X |  |  |  |  |
| DLST | Trading Status: Delisted | MAND- N/A | X |  |  |  |  |
| DRAW | Drawing | MAND-CASH | X |  | X | X | X |
| DSCL | Disclosure | MAND-CONY | X |  |  |  |  |
| DSCL | Disclosure | VOLU-CONY, CONN, NOAC | X | X | X | X | X |
| DTCH | Dutch Auction | VOLU-CASH, NOAC | X | X | X | X | X |
| EXOF | Exchange | VOLU-SECU,CASH, CASE,CEXC,NOAC | X | X | X | X | X |
| EXOF | Exchange | MAND-SECU | X |  | X | X | X |
| EXOF | Exchange | MAND-CASH | X |  | X | X | X |
| EXOF | Exchange | MAND-CASE | X |  | X | X | X |
| EXOF | Exchange | CHOS-SECU,CASH,CASE | X | X | X | X | X |
| EXTM | Maturity Extension | MAND-N/A, SECU | X |  | X | X | X |
| EXTM | Maturity Extension | CHOS-SECU,MPUT | X | X | X | X | X |
| INCR | Increase in Value | MAND-N/A | X |  |  |  | X |
| INFO | Information | MAND-N/A | X |  |  |  |  |
| INTR | Interest Payment | MAND-CASH | X | X | X | X | X |
| INTR | Interest Payment | CHOS-CASH | X | X | X | X | X |
| LIQU | Liquidation Payment | MAND-CASH | X |  | X | X | X |
| LIQU | Liquidation Payment | MAND-SECU | X |  | X | X | X |
| LIQU | Liquidation Payment | MAND-CASE | X |  | X | X | X |
| LIQU | Liquidation Payment | CHOS-CASH,SECU, CASE | X | X | X | X | X |
| MCAL | Full Call/Early Redemption | MAND-CASH | X |  | X | X | X |
| PARI | Pari-Passu | MAND-SECU | X |  | X | X | X |
| PCAL | Partial Redemption Without Pool Factor Reduction | MAND-CASH | X |  | X | X | X |
| PINK | Payment in Kind | MAND- OTHR, SECU | X |  | X | X | X |
| PLAC | Place of Incorporation | MAND-SECU | X |  | X | X | X |
| PLAC | Place of Incorporation | MAND-N/A | X |  |  |  |  |
| PPMT | Instalment Call | MAND-SECU | X | X | X | X | X |
| PPMT | Instalment Call | CHOS-SECU,LAPS | X | X | X | X | X |
| PRED | Partial Redemption With Pool Factor Reduction | MAND-CASH | X |  | X | X | X |
| REDM | Final Maturity | MAND-CASH | X |  | X | X | X |
| REDM | Final Maturity | CHOS-CASH | X | X | X | X | X |
| REDO | Redenomination | MAND-SECU | X |  | X | X | X |
| REDO | Redenomination | MAND-N/A |  |  |  |  |  |
| REMK | Remarketing Agreement | CHOS-SECU,CASH | X | X | X | X | X |
| RHDI | Intermediate Securities Distribution | MAND-SECU | X |  | X | X | X |
| SUSP | Trading Status: Suspended | MAND-N/A | X |  |  |  |  |
| TEND | Tender/Acquisition/Takeover/Purchase Offer | VOLU-SECU,CASE, CASH,NOAC | X | X | X | X | X |
| WRTH | Worthless | MAND-LAPS | X |  | X | X | X |
| TREC | Tax Reclaim | VOLU-CASH, NOAC | X |  | X | X | X |
| WTRC | Withholding Tax Relief Certification | VOLU-BOBD, NOAC | x | x |  |  |  |