

ECMS

Final Release Note

RN-37.02-14.2.4

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# Introduction

This note provides an overview of the envisaged features for the release to be provided on **28/09/2024**.

## Release number and software version

This release has the following release number: **RN-37.02-14.2.4**

The relevant software version is **V.14.2.4.1**

# Release information

### Change requests

### Defect information

This release provides the fixes for the 66 following Problems:

| **PBI** | **Category** | **Summary** | **User** |
| --- | --- | --- | --- |
| 133751 | ECMS.Application.Credit Claims | The ECMS CC Id assigned for CC with the same counterparty and the same creditor are not consecutive : sequence jumping by 1000 step. | ES |
| 136431 | ECMS.Application.Credit Claims | [APPR] Wrong instruction status received instead rejected | FR |
| 137195 | ECMS.Application.Contingency | [APPR] ECON credit freezing invalid, not fully reimbursed according to ECMS | FR |
| 137424 | ECMS.Application.Global credit and collateral position | [APPR] GCCP - Valuation of the pool with the reception of new event | DE |
| 137810 | ECMS.Application.Corporate Actions | [APPR] Demob rejected at CA record date | IT |
| 138431 | ECMS.Application.Pool Position and pool projection | [APPR] [Pool Position and Pool Projection]: The colr.016 generated via message subscription reports the EoD positions | DE |
| 139462 | ECMS.Application.Global credit and collateral position | [APPR] APPR AML instruction stuck in WaitingPaymentConfirmation | SK |
| 139932 | ECMS.Application.Credit Claims | [APPR] CC File rejected with BR CCF08 | IT |
| 140000 | ECMS.Application.Credit Claims | [APPR] CC File failed due to rating instructions on the same obligor and same CAS code received in the same file | FR |
| 140190 | ECMS.Application.Cash as collateral | [APPR] [DE] [CTP1] [CTP2] Cash Collateral Instruction stuck in CashInstructed | DE |
| 140482 | ECMS.Application.Credit Claims | [APPR] CC - File processed and demobilisations partially treated when number exceeds 100 | FR |
| 140781 | ECMS.Application.Global credit and collateral position | FR30007 Natexis, the RCL equals zero instead of SCL and ECL, during migration 10 in EAC, MegaLend | FR |
| 140862 | ECMS.Application.Credit Claims | [CBT] CCU - switch from VAR to FIX , reference Index and reference index comment not emptied. | SI |
| 140886 | ECMS.Application.Corporate Actions | [CBT] [CTP2] PCAL partially confirmed although fully paid | PT |
| 140920 | ECMS.Technical.Interface with ICAS | ICAS file not received | FR |
| 141113 | ECMS.Application.Credit Claims | [APPR] CC - Manual Input - instruction Id with not allowed characters accepted.It should be aligned with A2A format. | FR |
| 141245 | ECMS.Application.Credit Claims | [APPR] CC-Update /CREATE VIA CCU the BLOC GUARANTOR FOR A CROSSBORDER CREDIT CLAIM | AT |
| 141317 | ECMS.Application.Reference Data | [APPR] [CTP2] Non-euro cash account - Account currency must be allowed to be changed | SK |
| 141537 | ECMS.Application.Pool Position and pool projection | [APPR] [CTP1] [CTP2] Haircut Value always 0% at Pool Position Report | AT |
| 141553 | ECMS.Application.Credit Claims | [APPR] Pool Overview > CC position details - error displayed - could not execute statement | FR |
| 141683 | ECMS.Application.Corporate Actions | Client Entitlement calculated for an Instruction that was cancelled | SI |
| 141786 | ECMS.Application.Statements and reporting | [APPR] Semt.017 must not be generated with CERT movement. | IT |
| 141795 | ECMS.Application.Marketable Assets | Data Segregation Issue in the field Internal Asset accounts of the Client Marketable Asset Movement Details Screen | DE |
| 142249 | ECMS.Application.Marketable Assets | [APPR] MA instruction are allowed with with Party Level 2 with more than one of the three identifiers (BIC, Proprietary identification, Name and Address). | DE |
| 142257 | ECMS.Application.Corporate Actions | Outgoing seev.031 must contain consolidated updates not yet communicated | SI |
| 142332 | ECMS.Application.U2A screens | Details screen is wrongly named “View: Reject – Waiting for NCB manual intervention” instead of “View: Marketable asset settlement instruction | DE |
| 142346 | ECMS.Application.Corporate Actions | When selecting multiple rows only registerCAentitlement and View button should be displayed on Send Client CAPA Screen | DE |
| 142373 | ECMS.Application.Pool Position and pool projection | [APPR] [Pool Position & Pool Projection]: EMC Instruction on not allowed EMC Types are still accepted | IT |
| 142381 | ECMS.Application.Billing | [APPR][Billing] No internal Msg Id for managing several securities accounts in 1 camt.077 | EE |
| 142497 | ECMS.Application.Corporate Actions | ECMS is not calculating correctly the credit movement when a ratio with fractional digits is used. | SI |
| 142520 | ECMS.Application.Operational day | Pool factor change after PRED event needs to be anticipated from 20:00 to 18:45 | IT |
| 142522 | ECMS.Application.Statements and reporting | Semt.002 wrongly built | ES |
| 142528 | ECMS.Application.U2A screens | [PROD] Editorial update on texts displayed on screen “Validate / Reject Message Subscription Setup” | LV |
| 142597 | ECMS.Application.A2A interface | [APPR]seev.035 and seev.036 sent to the counterparty cannot be downloaded | NL |
| 142623 | ECMS.Application.Credit Claims | Parameter Payment date does not work in the search screen List Confirmed Payment | LU |
| 142664 | ECMS.Application.Credit Claims | Two Credit Claim with same File Reference from the same counterparty are accepted in the context of four eyes | AT |
| 142759 | ECMS.Application.Operational day | [Operational Day]: The task Generate Credit Claims processing Report is executing for too long (more than 40 mins in the last days) for the FR tenant. | OT |
| 142850 | ECMS.Application.Marketable Assets | User cannot validate manual position input in 4-eyes | FR |
| 143071 | ECMS.Application.Credit Claims | CCR + MOB ==> when eligibility check step is failing , the business status of the CCR is wrongly updated to Failed | AT |
| 143145 | ECMS.Application.Corporate Actions | [appr] PALM-04016 error when updating CA event of type CERT CHOS | DE |
| 143201 | ECMS.Application.Operational day | [Operational Day]:he task <<Billing - Compute daily Holding Fees for Non-marketable assets positions (CC positions) for billing.\_\_APPR>> failed for the tenant MT | OT |
| 143446 | ECMS.Technical.Application | MegaLend is not available for some user | OT |
| 143449 | ECMS.Application.Marketable Assets | De-mobilisation\_instruction-in status -validated-waiting for global position update | CY |

# 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 EMC File

- Message Pagination implemented for CC file

## Restrictions

### Restrictions coming from previous releases

* OMO:
* collateral reservation / collateral release of OMO in currency based on currency table is not fully stabilized
* If a CLM rejection is received on the maturity date, the system updates correctly the status of OMO and the maturity date (+1 BD). However, interest is not calculated correctly for this new maturity date, preventing the OMO from maturing.
* Export of ECMS U2A reports is working as dessigned with restriction on extraction 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
* Interest rate movements created from the settlement date until the current business date
* Multipooling:
  + The transfer of OMO is not working properly
  + The pool is impacted before the MA transfer is reaching the final status

### New restrictions introduced with this Release

* Limited volume on Credit Claims are to be used. As an example, these are the current timings for processing of the files:
  + 251 CCR, 61 CCU and 100 MOB 🡪 33 minutes to be processed.
  + 100 CCR and 100 MOB 🡪 35 minutes to be processed.
* Multi User Install - NRO solution for ECMS does not work as expected for Go-Sign

## 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 |  |  |  |