 BDF - PUBLIC

 ECMS

Final Release Note

 RN-42.01-14.7.2

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#

# Introduction

This note provides an overview of the envisaged features for the release to be provided on **08/02/2025**.

## Release number and software version

This release has the following release number: **RN-42.01-14.7.2**

The relevant software version is **V.14.7.2**

# Release information

### Change requests

ECMS-0090-UDFS Automatic Processing of CA Preliminary Advise Message (CAPA)

### Defect information

This release provides the fixes for the 54 following Problems:

| **PBI** | **Category** | **Summary** | **User** |
| --- | --- | --- | --- |
| 105835 | ECMS.Application.OMO | [CBT] [TOP] [PT] Report with duplicated records | TOP test campaign | PT  |
| 141832 | ECMS.Application.Pool Position and pool projection | [Pool Position & Pool Projection]: Counterparty pool position shows an update by a user from another institute | AT  |
| 143797 | ECMS.Application.Billing | [APPR]NCB Billing Fees Report showing incorrect values for CCBM fees | DE  |
| 147709 | ECMS.Application.Cash as collateral | Cash collateral position with negative amount. | EE |
| 148053 | ECMS.Application.Billing | APPR Missing Input possibility for Other/Additional fees  | DE  |
| 148266 | ECMS.Application.U2A screens | Manual Rejection Notification cannot be viewed | FR  |
| 148464 | ECMS.Application.FTDs | APPR It was observed that during the settling of the FTD operation - 20550002 on 10/10/2024, one transaction (out of eight) did not settle due to pool locked situation. Pool affected id CYPL00001003001, RIAD code: CY110012.  | CY  |
| 148795 | ECMS.Application.Credit Claims | [EAC] [SICB] Rating Update - Eligibility check not performed for credit claims with guarantors having both roles Debtor and guarantor in ECMS reference data.  | SI  |
| 148800 | ECMS.Application.Credit Claims | U2A CCU of a mobilised credit claim rejected - Receiving CC File after cut-off , once processed on D+1 via Op Day ==>CC File is rejected and also BR are performed at the level of Instruction | NL  |
| 149136 | ECMS.Application.Credit Claims | [EAC]Guarantor exists in ECMS is active but CCR instruction in waiting manual intervention | DE  |
| 149237 | ECMS.Application.Contingency | Credit Freezing Increase during ECONSII – instruction wrongly rejected as such increase should be allowed | ECB |
| 149274 | ECMS.Application.Contingency | ECONS and CF instruction during contigency for pool without maximum credit line - settled and not rejected | IT  |
|  |  |  |  |
| 150452 | ECMS.Application.U2A screens | Error message after treating last alert | LU  |
| 151124 | ECMS.Application.Credit Claims | Random errors when confirming Multiple CCMOB waiting for eligibility confirmation.Stop triggered by Instruction Type | SI |
| 151127 | ECMS.Application.Credit Claims | [Credit Claims] - CC demobilisations elementary Pool movements related to CC display outstanding amount instead of collateral value | IT  |
| 151349 | ECMS.Application.Statements and reporting | [EAC] The Forbidden Close Link(s) are not displayed in the Obligation Failure screen. | DE  |
| 152119 | ECMS.Application.Operational day | RIAD entity file feeds impacted even if there have only been received 13 chunks in APPR | OT |
| 152142 | ECMS.Application.Reference Data | CA event for Triparty – Debit Authorisation (camt.036) is sent to the TPA although the counterparty is blocked. | DE  |
| 152856 | ECMS.Application.Global credit and collateral position | EAC OMO netting in Status Failed instead of Not enough collateral | IT |
| 153004 | ECMS.Application.OMO | [EAC][TOP][Operation amounts and allotment status of Non-Euro LPO did not change after ER] | DE  |
| 153030 | ECMS.Application.U2A screens | CA Payment Report improvements | DE  |
| 153697 | ECMS.Application.Statements and reporting | EAC Accounting report for Accruals - missing OMO accruals | SI  |
| 153761 | ECMS.Application.Contingency | Demobilisation not queued but rejected while contingency is active | DE  |
| 153834 | ECMS.Application.Statements and reporting | [APPR] Potential Obligation Failure ISINs Duplicates | DE  |
| 153901 | ECMS.Application.Corporate Actions | Seev.035 not sent to the counterparty after reversal when 035 is received first incomplete and after complete | IT  |
| 153918 | ECMS.Application.Corporate Actions | Client Payment Created but not Sent. | LU  |
| 154305 | ECMS.Application.Pool Position and pool projection | [4EYES]: Pool not updated with contingency account | IT  |
| 154830 | ECMS.Application.Global credit and collateral position | [APPR] [GCCP] - [Lock/Unlock] - Payment and Credit Line Instructions blocked in status WaitingForPoolUnlock. | NL |
| 154886 | ECMS.Application.Global credit and collateral position | APPR - EMC files with unknown pool and unknown counterparty are blocked in the status : Pending Previous Instruction Processing and not rejected | LT  |
| 155013 | ECMS.Application.Global credit and collateral position | [EAC] Pool locked during triparty revaluation process due to negative position and stills locked till now | DE  |
| 155075 | ECMS.Application.MultiPooling | [AEAC] [Operational Day] The event Reject instruction should be moved from DTP to EOD in all the operational day setups | IT  |
| 155078 | ECMS.Application.Global credit and collateral position | [APPR] [GCCP] [Lock - Unlock] - Payment and credit line instruction pending Pool SCL/ECL are not aligned due to instruction in status MCL Waiting Pool unlock - case Cancelled Status | EE  |
| 155147 | ECMS.Application.Corporate Actions | CA events with Preliminary status should be visible in the Input Client Instruction screen. | SI  |
| 155151 | ECMS.Application.U2A screens | Search button only works after initializing it two times | DE  |
| 155275 | ECMS.Application.Credit Claims | CC- (A2A/U2A) CCU + CCOAU received on the same CC file and having same Instruction Reference>> The CCOAU updated back to Waiting NCB Validation | NL  |
| 155569 | ECMS.Application.Corporate Actions | Entitlement calculation wrongly sent to 4 eyes validation | IT  |
| 155684 | ECMS.Application.Operational day | [Operational Day] - "REDM CSDB Daily impact" event is not working as exptected | AT  |
| 155838 | ECMS.Application.Billing | external asset account' to be added in the screen counterparty fees screen | NL  |
| 156040 | ECMS.Application.Global credit and collateral position | Pool locked due to Process AML Maturity Netting | MT |
| 156466 | ECMS.Application.Global credit and collateral position | [Pool lock unlock]: collateral notification impact failed with the error cannot unlock pool already locked by a another object. | ECB |
| 156750 | ECMS.Application.Statements and reporting | Failure in the end of day job “Statistical Balance Payments” | ES |
| 156886 | ECMS.Application.U2A screens | Delete DN button is not visible for NCB users | FI |

# 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 1.2Binding versions published 31/01/202328/05/2023 | n/a |
| **MyStandards**  | ECMS UDFS v 1.2Binding versions published 31/01/202328/05/2023 | n/a |

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

## Message usage guidelines

Due to CR92, the following annotations were removed:

* + - * draft4colr.019.001.01: remove annotation related to TPAR004 on PartyA and PartyB
			* draft4colr.021.001.01: remove annotation related to TPAR004 on PartyA and PartyB
			* draft4colr.022.001.01: remove annotation related to TPAR004 on PartyA and PartyB
			* draft4colr.024.001.01: remove annotation related to TPAR004 on PartyA and PartyB

| **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

* Accounting
* U2A Accounting reports: not working properly except the “Financial Instruments Being Claims” report.
* Export of ECMS U2A reports is working as dessigned with restriction in PDF format – pending ECMS-WG validation of fields
* Multipooling:
	+ The transfer of CC from a counterparty to an NCB account is not working properly
* 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.

### 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 |  |  |  |