CF2/MQ Transmission Guides

20.05 MQ DROP NOTIFICATION OUTPUT (FOR DELIVER ORDER AND PLEDGE ACTIVITY)

Document History

11/01/13	Revision – Added IMS TID for RAD Stage 3 target implementation
12/01/13	Revision – Removed erroneous filler field in position 168
01/01/14	Revision – Added RAD sequence number in position 116
06/01/14	Revision – Amended RAD Sequence Number Field Name in position 116, IMS TID Field Name and Field Attributes in position 168), and Drop Pend Indicator Field Attributes in position 259.
09/01/15	Revision – Added references to the current MQSeries IBM protocol and inserted the 74-character DTC MQ message data for output into the layout for positions 1-74.

Added MMI Finality Through Optimization Changes. Added new Pend and Drop Reason indicators shown in Exhibits 1- and 2. Added values for positions 185 and 392 Drop Reason; and position 129 Drop DTC Original Record on ATP for drop Dos and position 301 for drop pledge activity. |
| 03/10/16 | Revision – Modified the field attributes in position 129 DROP-DTC-ORIG-REC#. |
| 11/30/2018 | Removed formatting and references to old changes |

Contents

1. Overview

This document describes, specifically, the output requirements for obtaining Deliver Order Drop and Pledge Drop activity via DTC's MQ system.

The types of data available are:

• Deliver Order Drops (DOD) types '026' thru '028', '046' thru '049'
• Pledge Drops (PLD) Notification - Type '051', '054', '055', and '056'.

2. MQ Message Header

The fields in starting positions 01-74 make up the MQ message Header.

Position	Length	Field Name	Field Description
01	02	Message Type	'A1' for original messages 'R2' for replayed messages
03	02	Version Number	Currently must be "01"
05	06	Timestamp	When message sent by DTCC(HHMMSS)
11	08	User ID	User ID of message receiver
19	02	Box#	Box# associated with message
21	23	Reserved	Reserved for future use
44	01	Response Code	**For replay only** 'A' = Accepted 'R' = Rejected
45	02	Reason Code	**For replay only**
47	08	Control File Number	Control File ID Control Number (YYYYDDDS)
55	04	Message Count	Currently set to '0001'
59	08	Total Length of all messages (including the length field)	Length of message(s) following the header
67	08	Length of following message (including length field)	Length of each message(s) including this field

3. Drop DO Output

The format below is an example of a drop transaction.

Field Name	Position	Length	Field Attributes
Filler	75	02	For DTC internal use only
Filler	77	01	Value space
DEST-PARTIC-ACCOUNT	78	08	Individual participant # or group user #
DEST-SYMBOL	86	02	Destination symbol – numeric
Filler	88	01	Value '–'
DEST-ACCOUNT-SEQ-#	89	06	Sequence # of the transaction unique —for each account destination
TYPE-OF-08-RESPONSE	95	01	Value 'X' (DROP DO)
DTC-SYS-ORIGIN-CODE	96	01	DTC System origination values: • 2 = CF2 • 3 = PTS • 4 =ID • 5 = MQ • 0 = Other
DROP-DELV-PART-NO	97	08	Deliverer's participant number
DROP-COPY-IND	105	01	Values: Space = Original copy 'Q' = Duplicate copy
DROP-VERSION-CWTL-IND	106	01	Values: Space = current format
DROP-CUSIP-NUMBER	107	09	CUSIP number
DROP-RAD-	116	8	Unique RAD sequence number, assigned by

Field Name	Position	Length	Field Attributes
SEQUENCE_NUMBER			DTCC identifying this item
FILLER	124	5	Value Spaces
DROP-DTC-ORIG-REC#	129	08	Pointer to the original DO record on the DTC central ATP data base 00000000 for transactions in the MMI Staging Engine.
DROP-ACCT-TYPE	137	03	Value '010' (General unpledged) Value 'IPO' (IPO tracking)
DROP-ACTION-CODE	140	01	Values: 0 = No action • 1 = Add if a '14', '27', '28' or 46'–'49' record 2 = Subtract if a '14', '26', '28' or '46'–'49' record
DROP-ACTIVITY-CODE	141	03	Values: 014 = Payor/Payee SPO or PPO 026 = Deliver DO 027 = Receive DO 028 = Deliver/Receive for CP Maturity Presentment Drop 046 = DO Partic-IPO-acct to the same Partic-Free-acct 047 = DO DLV-IPO-acct to RCV-IPO-acct. 048 = DO DLV-IPO-acct to RCV-Free- acct. 049 = DO DLV-Free-acct to RCV-IPO-acct.
DROP-RECEIVING-PART.	144	08	Receiving participant number

Field Name	Position	Length	Field Attributes
IMS TID	152	16	This is the number generated by DTC which uniquely identifies any transaction.
Filler	168	1	Value spaces
DROP-DOLLARS	169	13	Dollars involved in this transaction; PIC 9(11)V9(2)
DROP-DELV-RECV-IND	182	01	Shows which side the DROP is for. Values: 'D' = For the Deliverer 'R' = For the Receiver
DROP-RAD-INDICATOR	183	01	Values: ' ' = Did not process thru RAD 'R' = Was processed thru RAD 'M' = Was processed thru IRAD
DROP-JOURNAL-CODE	184	01	Values: '0' = This is not a Journal '1' = This is a Journal
DROP-REASON-CODE	185	01	DTC's reason for this transaction being 'pended' or 'dropped'. For list of possible PEND-REASON values see section 3. Exhibit 1s. For a list of possible DROP-REASON values see section 3. Exhibit 2.
DROP-DROP-CODE	186	01	DTC'S reason for this transaction being automatically 'dropped'. For a list of possible DROP-CODE values see section 3. Exhibit 3 - DROP Code Indicators
DROP-ORIG-INPUT-SRCE	187	04	Originating system input source (Assigned by DTC)

Field Name	Position	Length	Field Attributes
DROP-DELIVERER-ACCT-NO	191	17	Deliverer's account code
DROP-RECEIVER-ACCT-NO	208	17	Receiver's account code
DROP-SETTLE-BANK-ACCT-#	225	17	Settlement Bank's Account Number
DROP-TRADE-DATE	242	06	Trade date
DROP-REASON-CODE	248	03	Reason code (numeric or S0-S9)

Field Name	Position	Length	Field Attributes
DROP-COND-DO-IND	251	01	Conditional DO Indicator
DROP-THIRD-PARTY	252	06	Third party identifier
Filler	258	01	Value spaces
DROP-PEND-INDICATOR	259	01	Values: 'P' = Settlement (ATP) Drops/Cancels 'U' = RAD Drops/Cancels
DROP-DAY-NITE-IND	260	01	Values: ' ' = SPO/PPO 'D' = Day DO 'N' = Night DO
DROP-DATE	261	06	Date processed by MQ MMDDYY - When PEND-INDICATOR = 'P' YYMMDD - When PEND-INDICATOR = 'U'
DROP-TIME	267	06	Time processed by MQ. Format = HHMMSS

Field Name	Position	Length	Field Attributes
DROP-CUSIP-DESC	273	20	CUSIP Description
DROP-COMMENTS	293	90	Comments (For IPO D0-Drops this field will contain 'IPO-Cust-Intrnal-Acct #', 'IPO-I.D.-Agt-Bk-Identifier', and 'IPO-Trade-Date' fields)
DROP-MUNI-BOND-IND	383	01	Municipal Bond Indicator Values: 'M' = Municipal Bond 'B' = Other Bond ' ' = Neither
DROP-FAST-IND	384	01	FAST Indicator Values: 'F' = FAST ' ' = Other
DROP-SDFS-IND	385	01	Same Day Funds Indicator Values:' 'S' = Same Day Funds CUSIP 'C' = Commercial Paper (SubI=525) 'M' =Medium Term Note (SubI=530) ' ' = Other
DROP-TRANS-SEQ-NO	386	05	Transaction sequence number
DROP-CANCEL-TYPE (SDFS-RAD system only)	391	01	Values: 'C' = Cancel by Receiver 'D' = Cancel by Deliverer ' ' = Unapproved

Field Name	Position	Length	Field Attributes
DROP-REASON-IND (NDFS/SDFS-ATP System only)	392	01	Values: ' ' = Prevent-PEND option exercised 'A' = Delivering participant has insufficient position for C.P. 'C' = Delivering participant has insufficient collateral 'D' = Receiving participant debit cap reached 'F' = Dropped for FIFO processing 'O' = Receiving participant has insufficient collateral 'S' = Delivering participant has insufficient position 'T' = Pending MMI Funding Decision 'W' = Pending MMI Optimization
DROP-FOSP-IND	393	01	Values: '0' = Security is not eligible for Foreign Ordinary Shares Processing '1' = Security is eligible for Foreign Ordinary Shares Processing
DROP-SHARE-QTY-NEW	394	09	Share quantity (new format where 1=1 for all issues)
Filler	403	02	Value spaces

Field Name	Position	Length	Field Attributes
DROP-SUBISSUE-TYPE	405	03	Sub-Issue type for SDFS CUSIPs
			Values: '000' = NOT APPLICABLE
			'030' = LIMITED PARTNRSHIP
			'040' = CMO in units
			'041' = ABS in units
			'042' = ISSUE in units
			'110' = ADR
			'120' = PFD-CP
			'320' = MUNI VRDO/CP
			'330' = MUNI CP
			'340' = BEARER/ZERO CPN
			'502' = BA'S
			'504' = CD'S
			'505' = CERTFD MMI
			'506' = CERTFD MMI-PER.
			'525' = CORPORATE CP
			'526' = CORP. VRDO/CP
			'530' = MTN'S
			'531' = Deposit Notes
			'532' = M/T Bank Notes
			'533' = MMI MTNs
			'540' = CMO
			'541' = ABS
			'542' = Non-CMO/ABS
			'550' = S/T Bank Notes
			'551' = ZERO COUPON
			'560' = DISCOUNT NOTES

Field Name	Position	Length	Field Attributes
DROP-CUSTOMER-INTERNAL-ACCOUNT–NUMBER	408	12	Present if CUSIP is IPO-tracked Format = alphanumeric
DROP-ID-AGENT-BANK-IDENTIFIER	420	08	Optional. If present, Customer Internal Account-# must be present. Format = alphanumeric
DROP-TRADE-DATE	428	08	Optional. If present, I.D. Agent Bank Identifier must be present. Format = MMDDCCYY
DROP-DIS-TRAN#	436	12	(For Depository use only)
Filler	448	03	Value spaces.

3.1 Drop Pledge' Activity

Refer to section 2. MQ Message Header to see the fields in starting positions 01-74 that make up the MQ message Header which must precede the pledge drop transactions.

Field Name	Position	Length	Field Attributes
Filler	75	02	For DTC internal use only
Filler	77	01	Value space
Dest-Partic-Account	78	08	Individual participant # or group user #
Dest-Symbol	86	02	Destination symbol – numeric
Filler	88	01	Value '–'
Dest-Account-Seq-#	89	06	Sequence # of the transaction, unique for each account destination
Type-Of-08-Response	95	01	Value 'Y' (Drop Pledge)
DTC-SYS-Origin-Code	96	01	DTC system origination Values: • 2 = CF2 • 3 = PTS • 4 = ID • 5 = MQ • O = Other
P-Drop-Pledgor-Part-No	97	08	Pledgor's participant number
P-Drop-Copy-Ind	105	01	Value: Space = Original copy 'Q' = Duplicate copy
Filler	106	01	Value space

Field Name	Position	Length	Field Attributes
P-Drop-CUSIP-Number	107	09	CUSIP number
P-DROP-RAD-SEQUENCE-NUMBER	116	8	Unique RAD sequence number, assigned by DTCC identifying this item
Filler	124	13	Value spaces
P-Drop-Acct-Type	137	03	Values: '010' = Pledge '014' = Return 'IPO' =IPO
P-Drop-Action-Code	140	01	Values: 0 = No action 1 = Add if this is a '55' or '56' record 2 = Subtract if this is '50', '51', '52' or '54' record
P-Drop-Activity-Code	141	03	Values: '050' = Free pledge from IPO a/c '051' = pledge – Free '052' = Valued pledge from IPO a/c '054' = Pledge – Valued '055' = Return – Valued '056' = Return – Free
P-Drop-Pledgee-Part-#	144	08	Pledgee participant number (or zeros if none exists)
Filler	152	06	Value spaces
P-Drop-Shares	158	09	Number of shares involved in this transaction
Filler	167	02	Value spaces

Field Name	Position	Length	Field Attributes
P-Drop-Dollars	169	13	Dollars involved in this transaction; PIC 9(11)V9(2)
Filler	182	01	Value spaces
P-Drop-RAD-Ind	183	01	Values: ' ' = Did not process thru RAD 'R' = Was processed thru RAD
P-Drop-Journal-Code	184	01	Values: 0 = This is not a Journal 1 = This is a Journal
Filler	185	01	Value space
P-Drop-SDFS-Ind	186	01	Same Day Funds Indicator Values: 'S' = Same Day Funds CUSIP 'C' = Commercial Paper (SubI=525) 'M' = Medium Term Note (SubI=530) ' ' = Other
Filler	187	02	Value spaces
P-Drop-Loan-Date	189	06	Pledge loan date
Filler	195	02	Value spaces
P-Drop-Date	197	06	Date processed by MQ MMDDYY - When RAD-INDICATOR = ' ' YMMDD - When RAD-INDICATOR = 'R' or 'M'
Filler	203	02	Value spaces
P-Drop-Time	205	06	Time processed by MQ (HHMMSS)

Field Name	Position	Length	Field Attributes
P-Drop-CUSIP-Desc	211	20	CUSIP description
P-Drop-Comments	231	56	Comments: (Available only on RAD drops)
P-Drop-Muni-Bond-Ind	287	01	Municipal bond indicator Values: 'M' = Municipal bond 'B' = Other bond ' ' = Neither
P-Drop-FAST-Ind	288	01	FAST Indicator Values: 'F' = FAST ' ' = Other
P-Drop-Loan-Rel-Type	289	01	Values: '1' thru '4'
P-Drop-Loan-Hypothcat'n	290	01	Values: Space, and '1' thru '3'
Filler	291	02	Value spaces
P-Drop-Trans-Seq-No	293	05	Transaction sequence number (Available only on RAD drops)
Filler	298	01	Value space
P-Drop-Cancel-Type (SDFS-RAD system only)	299	01	Values: 'C' = Cancel by receiver 'D' = Cancel by deliverer ' ' = Unapproved (or dropped in ATP)
Filler	300	01	Value space

Field Name	Position	Length	Field Attributes
P-Drop-Reason-Ind	301	01	Values: ' ' = Prevent-Pend option exercised (or dropped in RAD system) 'A' = Delivering participant has insufficient position for C.P. 'C' = Delivering participant has insufficient collateral 'D' = Receiving participant debit cap reached 'F' = Fended for FIFO processing '0' = Receiving participant has insufficient collateral 'S' = Delivering participant has insufficient position 'T' = Pending MMI Funding Decision 'W' = Pending MMI Optimization
Filler	302	01	Value space
P-Drop-Plg-Bank-#	303	08	Pledgee bank number
Filler	311	01	Value spaces
P-DROP-SHARES-NEW	312	09	Share quantity (new format where 1 = 1 for all issues)
Filler	321	02	Value spaces

Field Name	Position	Length	Field Attributes
P-DROP-SUBISSUE-TYPE	323	03	Sub-Issue type for SDFS CUSIPS Values: • '000' = NOT APPLICABLE • '030' = LIMITED PARTNRSHP • '040' = CMO in units • '041' = ABS in units • '042' = ISSUE in units • '110' = ADR • '120' = PFD-CP • '320' = MUNI VRDO/CP • '330' = MUNI CP • '340' = BEARER/ZERO CPN • '502' = BA's • '504' = CD's • '505' = CERTFD MMI • '506' = CERTFD MMI-PER. • '525' = CORPORATE CP • '526' = CORP. VRDO/CP • '530' = MTN's • '531' = Deposit notes • '532' = M/T bank notes • '533' = MMI MTN's • '540' = CMO • '541' = ABS • '542' = Non-CMO/ABS • '550' = S/T Bank notes • '551' = ZERO COUPON • '560' = DISCOUNT NOTES
Filler	326	02	Value spaces
P-Drop-Maturity-Date	328	06	Maturity date for C.P. CUSIPS
Filler	334	02	Value spaces
P-Drop-ATORIGSC	336	04	Pledge/Release origin-source
P-Drop-PTA-Indicator	340	01	Possible values: 'Y', 'N' or ' '

Field Name	Position	Length	Field Attributes
P-DROP-FOSP-IND	341	01	Foreign Ordinary Securities Indicator: '0' = Security is not eligible for Foreign Ordinary Securities Processing '1' = Security is eligible for Foreign Ordinary Securities Processing
P-DROP-IMS-TID	342	16	This is the number generated by DTC which uniquely identifies any transaction.
Filler	358	93	Value spaces

3. Exhibit 1 - PEND Reason Indicators

Code	Meaning
' '	Not 'pended'
'N'	Pended for receiver's collateral deficiency
'S'	Pended for shares
'O'	Pended for receiver's collateral deficiency
'C'	Pended for deliverer's collateral deficiency
'D'	Pended for receiver's debit deficiency
'E'	Pended for deliverer's debit deficiency
'A'	Pended for deliverer insufficient position
'B'	Pended for receiver insufficient position
'P'	Pended for deliverer insufficient pledged position
'F'	Pended for FIFO processing
'T'	Pending for MMI Funding Decision

3. Exhibit 2 - DROP Reason Indicators

Code	Meaning
' '	If DO-OUT-DTC-STATUS-IND = 'D' please refer to Exhibit 21c on the next page. Otherwise this was not 'dropped'.
'I'	Dropped for receiver's collateral deficiency

Code	Meaning
'S'	Dropped for shares
'O'	Dropped for receiver's collateral deficiency
'C'	Dropped for deliverer's collateral deficiency
'E'	Dropped for deliverer's debit deficiency
'A'	Dropped for deliverer insufficient position
'B'	Dropped for receiver insufficient petition
'P'	Dropped for deliverer insufficient pledged position
'J'	Dropped when deliverer's settlement bank unavailable
'N'	Dropped when receiver's settlement bank unavailable
'M'	Dropped when the market value exceeded
'V'	Dropped when collateral monitor value exceeded
'L'	Dropped when deliverer's debit cap limit reached
'R'	Dropped when receiver's debit cap limit reached
'D'	Dropped when the adjustable debit cap exceeded
'Z'	Dropped when PEND (recycle) cutoff was taken at the other depository
'T'	Dropped due to MMI Refusal to Pay (permanent only) Temporary will not generate a message
'W'	Dropped from MMI Optimizer at cutoff.
'X'	Dropped due to MMI Edit Reject.

3. Exhibit 3 - DROP Code Indicators

Code	Meaning
' '	Not dropped
'C'	PEND (recycle) cutoff taken at DTC
'S'	No short available for CNS transactions
'A'	Shares are not pendable
'T'	Collateral monitor is not pendable
'D'	Debit is not pendable
'X'	Unknown reason