CF2/MQ Transmission Guides

ID Net Deliver Order Output (20.18)

Copyright

Document History

| 02/28/2015 | Document Creation Notes |

These features differentiate this (20.16) ID Net Deliver Order Output format from the existing 20.01 Deliver Order Output format used for non-ID Net DOs:

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.

ID Net fields that vary from or exist apart from the regular non-ID Net Deliver Order Output fields are listed below:

- DO-OUT_ORIGIN-CODE (position 96)
- DO-OUT_VERSION-CONTROL (position 106)
- DO-OUT-DTC-STATUS-IND (position 259) where additional status codes were added for ID Net.
- DO-OUT-COMMENTS (position 293)
- DO-OUT-PEND-DROP-REASON (position 529)
- DO-OUT-DROP-CODE (position 530DO-OUT-ID-CNTL-NUM (position 740)
- DO-OUT-IMS-TID (position749)
- Filler (position 765)
- IDNETOUT Output Subscription Indicator (position 773)
- Filler (position 774)

04/18/2016   Updated MQ header to correspond to IMS Output messages processed through CDTS.

07/18/2016   Revised document number in title to 20.18.

Contents

1. Overview

ID Net, a joint service offering of DTC and NSCC, extends the benefits of netting to institutional trade settlement, allowing broker/dealer users to combine their affirmed institutional equity trades with other trades that they may have in NSCC's Continuous Net Settlement (CNS) system.

ID Net Security Eligibility

Most equity securities that are eligible for CNS are eligible for ID Net processing.

2. MQ DO Output for ID Netting

The format below is an example of an ID Net deliver order transaction. The fields in starting positions 01-74 make up the MQ message data.

Position	Length	Field Name	Field Description
01	02	TYPE-OF-BLOCK	Value '08'
03	06	TIMESTAMP	Time received (HHMMSS)
09	08	USER-ID	Numeric for individual user (e.g. 00000161); alphanumeric for group user (e.g. G0000123)
17	02	INDIVIDUAL-USER-NUMBER	Internal to MDH
19	04	LU6.2-TERMID	Internal to MDH
23	30	Filler	Value spaces
53	08	FILE-CONTROL-NUMBER	Format: YYYYDDDS
61	01	RESPONSE-CODE	'A' or 'R'
62	01	RESPONSE-REASON-CODE	' A': Not signed on 'B': Past cutoff 'C': Not in 'MDLU' function 'D': Invalid range request 'E': Function invalid 'F': Invalid request type (MDLS) 'G': Wrong file-control-# (MDLS) 'M': Message delivery is down 'N': File-Ctl# vs Req-Type inval 'P': PTS is down
63	04	TRANSACTIONS-IN-BLOCK	Number of transactions in this block
67	04	BLOCK-DATA-LENGTH	Length of the data following this field plus 4
71	04	TRANSACTION-LENGTH	Length of the transaction following this field plus 4. Value = '560' or '724'
75	02	Filler	For DTC internal use only
77	01	Filler	Value space
78	08	DEST-PARTIC-	Individual Participant # or Group User #

Position	Length	Field Name	Field Description
		ACCOUNT	
86	02	DEST-SYMBOL	Destination Symbol - Numeric
88	01	Filler	Value '-'
89	06	DEST-ACCOUNT-SEQ-#	Sequence of the transaction - unique for each account destination
95	01	TYPE-OF-08-RESPONSE	Value 'D' (DO data)
96	01	DO-OUT-ORIGIN-CODE	Value '4' = ID
97	08	DO-OUT-DLV-PART-NUM	Delivering participant number
105	01	DO-OUT-COPY-IND	Values: Space = original copy 'Q' = duplicate copy
106	01	DO-OUT-VERSION-CONTROL	N/A
107	09	DO-OUT-CUSIP	CUSIP number
116	14	DO-OUT-CMO-FACTOR	CMO Factor Format 9(2)V9(12)
130	01	DO-OUT-RSN-FOR-PEND-IND	Values: '-' No Pend 'A' = Delivering participant has insufficient position for C.P. 'C' = Delivering participant has insufficient collateral 'D' = Receiving participant debit cap reached 'F' = Pending for FIFO processing 'O' = Receiving participant has insufficient collateral 'S' = Delivering participant has insufficient position
131	06	DO-OUT-MDH-TIME	Time when MDH processed the record to the output queue (HHMMSS format)
137	03	DO-OUT-ACCOUNT-TYPE	Account type. Value '010' (General unpledged) Value 'IPO' (IPO Tracking)

Position	Length	Field Name	Field Description
140	01	DO-OUT-ACTION-CODE	Action Code Values: '0' = No action '1' = Add to account if Activity Code is '27', '28', or '46-49' '2' = Subtract from account if Activity Code is '26', '28', '46-49'
141	03	DO-OUT-ACTIVITY-CODE	Activity Code Values: '026' = DO Delivery '027' = DO Receive '028' = DO Deliver/Receive for CP Maturity Presentment '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
144	08	DO-OUT-RCV-PART-NUM	Receiving participant number (Zeros if activity-code = '46')
152	01	DO-OUT-PTA-IND	Pending transaction indicator. Permissible values: 'N' = No Position has been reserved for 'pending' Deliver Orders 'Y' = Position has been reserved for 'pending' Deliver Orders blank: Default to 'no'
153	01	DO-OUT-FOSP-IND	Values: '0' = Security is not eligible for Foreign Ordinary Shares Processing '1' = Security is eligible for Foreign Ordinary Shares Processing
154	04	DO-OUT-ORIG-INPUT-SRCE	Originating system input source (assigned by DTCC)
158	08	DO-OUT-MATURITY-DATE	Maturity date for a BOND issue Format CCYYMMDD
166	03	DO-OUT-SUBACT-CODE	Sub-activity code. Values: '100' = MMI Reorg Presentment '926' = DO/PO Matched Reclaim

Position	Length	Field Name	Field Description
169	13	DO-OUT-MONEY-VALUE	Dollars and cents value of the trade (decimal point is assumed). PIC 9(11)V9(2)
182	01	DO-OUT-DELV-RECV-IND	Shows which side the DO is for Values: 'D' = For the Deliverer 'R' = For the Receiver
183	01	DO-OUT-RAD-INDICATOR	Values: ' ' = Did not process through RAD 'R' = Was processed through RAD
184	01	DO-OUT-JOURNAL-CODE	Journal code Values: '0' = Non-journal '1' = Journal
185	06	DO-OUT-BATCH-VAR-CON	Defines the source of input to DTC (internal code)
191	17	DO-OUT-DLV-ACCOUNT-NUM	Deliverer's account number
208	17	DO-OUT-RCV-ACCOUNT-NUM	Receiver's account number
225	17	DO-OUT-SUB-BANK-ACCT-NUM	Subordinate Bank's account number
242	06	DO-OUT-SETTLE-DATE	Settlement Date (MMDDYY format)
248	03	DO-OUT-REASON-CODE	Reason Code
251	01	DO-OUT-COND-DO-ID-IND	Conditional DO/ID indicator. Values: 'C' = Conditional DO 'R' = Conditional DO Return 'I' = Institutional Delivery DO
252	06	DO-OUT-THIRD-PARTY-ID	Third Party Identifier
258	01	DO-OUT-DUE-BILL-IND	Due-Bill Indicator values: 'Y' = Due-Bill 'N' = No Due-Bill ' ' = No Due-Bill (ID-originated)

Position	Length	Field Name	Field Description
259	01	DO-OUT-DTC-STATUS-IND	DO DTC Processing Status Values: ' ' = Made '1' = Unprocessed '2' = Authorized '3' = Exempted '4' = IMS Rejected '5' = IMS Canceled '6' = ATP Rejected '7' = Released '9' = CNS Participant Ineligible * 'A' = CNS CUSIP Reg-Sho * 'C' = CNS deliver DO drop, that is, Reclaims due to overage (not related to ID Netting) 'D' = SDFS prevent-pend drop (not related to ID Netting) 'G' = CNS CUSIP Reorg * 'H' = CNS CUSIP Buy-in * 'J' = DTC Ineligible Participant * 'K' = ATP Canceled (Kill of pending DO) 'L' = DTC Ineligible CUSIP * 'M' = Other 'N' = Broker Receiver Exemption * 'P' = DO Pending (recycling) 'X' = DO made after originally pending **Please note: * indicates transaction is being removed from ID Net**
260	01	DO-OUT-DAY-NIGHT-IND	DO 'day' or 'night' indicator Values: 'D' = Day DO 'N' = Night DO
261	06	DO-OUT-DATE-STAMP	Date that the DO was updated at DTC (MMDDYY format)
267	06	DO-OUT-TIME-STAMP	Time that the DO was updated by ATP at DTC (HHMMSS format)
273	20	DO-OUT-CUSIP-DESC	CUSIP description
293	210	DO-OUT-COMMENTS	Comments

Position	Length	Field Name	Field Description
503	01	DO-OUT-MUNI-BOND	Muni' or 'Bond' CUSIP involved. Value: 'B' = Bond 'M' = Muni Space = regular security
504	01	DO-OUT-FAST-IND	FAST' CUSIP involved. Values: 'F' = Fast Space = Non-Fast
505	01	DO-OUT-SDFS-IND	Same Day Funds System' CUSIP involved. Value: 'S' = SDFS 'C' = Commericial Paper (SubI = 525) 'M' = Medium Term Note (SubI = 530) Space = Non-SDFS
506	05	DO-OUT-TRANS-SEQ#	User-assigned seq # of input DO transaction. This will contain spaces if this is a Code '28' (CP Maturity Sweep) generated DO
511	08	DO-OUT-DTC-CURR-REC#	Pointer to this record on the DTC central ATP database
519	01	DO-OUT-REPEND-INDIC	If transaction is 'pending': 'R' = repended ' ' = not repended
520	09	DO-OUT-SHARE-QTY-NEW	Share quantity (new format where 1 = 1 for all issues)
529	01	DO-OUT-PEND-DROP-REASON	DTC's reason for this transaction being 'pended' or 'dropped'. For a list of possible PEND-REASON values see section 3. Pend Reason Indicators. For a list of possible DROP-REASON values see section 4. Drop Reason Indicators.
530	01	DO-OUT-DROP-CODE	DTC's reason for this transaction being automatically 'dropped'. For a list of possible DROP-CODE values see section 5. Drop Code Indicators.

Position	Length	Field Name	Field Description
531	03	DO-OUT-SUBISSUE-TYPE	Sub-Issue Type for SDFS CUSIPs. Values: '000' = Not applicable '030' = LIMTD PARTNRSHP '040' = CMO in Units '041' = ABS in Units '042' = ISSUE in Units '110' = ADR '120' = PFD-CP '320' = MUNI VRDO/CP '330' = MUNI VRDO/CP '340' = BEARER/Zero Cpn '502' = BAs '504' = CDs '505' = CERTIFIED MMI '506' = CERTFD MMI-Periodic '525' = CORPORATE CP '526' = CORP. VRDO/CP '530' = MTN's (repl. by 533) '531' = Deposit Notes '532' = M/T Bank Notes '533' = MMI MTNs '540' = CMO '541' = ABC '542' = Non-CMO/ABS Amort '550' = S/T Bank Notes '551' = ZERO COUPON '560' = DISCOUNT NOTES
534	01	DO-OUT-CNS-SUB-ACCT	Describe processing of CNS-receives. Values: 'A' = Trading account 'C' = Stock Loan acct 'E' = Fully-paid acct 'G' = Reorg account 'H' = Reorg account (for competing offers or election mergers)
535	09	DO-OUT-PEND-POS-NEW	Available share position (new format where 1 = 1 for all issues) on pended DOs (deliverers only)
544	08	DO-OUT-DATED-DATE	Dated-date for a BOND issue Format = CCYYMMDD

Position	Length	Field Name	Field Description
552	12	DO-OUT-IPO-CUST-INTRNL-ACCOUNT-NUMBER	Present if CUSIP is IPO-tracked and either party is a Bank Format = alphanumeric
564	08	DO-OUT-IPO-ID-AGT-BANK-IDENTIFIER	Present if CUSIP is IPO-tracked and either party is a Bank Format = alphanumeric
572	08	DO-OUT-IPO-TRADE-DATE	Present if CUSIP is IPO-tracked and either party is a Bank Format = MMDDCCYY
580	12	DO-OUT-IPO-BROKR-INTRNL-ACCOUNT-NUMBER	Optional Format = alphanumeric
592	08	DO-OUT-IPO-CORRESPONDNT-ACCOUNT-NUMBER	Required if CUSIP is IPO-tracked and submitting party is clearing for the executing broker. Format = numeric, right-aligned/lead zeroes
600	01	DO-OUT-IPO-BUY-SELL	IPO-tracked BUY/SELL indicator Values: 'B' = Buy 'S' = Sell
601	03	Filler	Values spaces
604	08	DO-OUT-DTC-ORIG-REC#	Pointer to the prior record for this transaction. This field will contain data if TRANS-STATUS = 'P' (Pend), 'X' (Make after Pend), or 'K' (pend kill). Also present if this transaction is a reclaim of a prior deliver order.
612	06	DO-OUT-RECLAIM-DATE	Contains the original date of the DO that is being reclaimed when this TRANS-STATUS is ' ' or 'X'.
618	12	DO-OUT-DIS-TRANS-#	Contains the Depository transaction number (optional) that is involved in this trade.
630	01	Filler	Value spaces
631	09	DO-OUT-FED-ABA-ACCT	The bank account identifier for the FED participant (required when the deliverer or receiver is the FED account (6072)
640	20	DO-OUT-FED-SUB-ACCT	The bank sub-account identifier for the FED participant (required when the deliverer or receiver is the FED account (6072)

Position	Length	Field Name	Field Description
660	40	DO-OUT-3RDPTY-DLV-TEXT	The third-party deliverer text/account information
700	40	DO-OUT-3RDPTY-REC-TEXT	The third-party receiver text/account information
740	9	DO-OUT-ID-CNTL-NUM	ID Control Number
749	16	DO-OUT-IMS-TID	IMS Transaction Identifier
765	8	Filler	Value spaces
773	1	IDNETOUT Output Subscription Indicator	Contains "1" if originated from IDNETOUTPUT subscription, and a space " " from all other output types
774	21	Filler	Value spaces

3. Pend Reason Indicators

Code	Meaning
spaces	Not 'pended'
N	Pended for receiver's collateral deficiency
C	Pended for deliverer's collateral deficiency
D	Pended for receiver's debit deficiency
A	Pended for deliverer's insufficient position

4. Drop Reason Indicators

Code	Meaning
space	If DO-OUT-DTC-STATUS-IND = 'D', please refer to Drop Code Indicators. Otherwise this was not dropped
I	Dropped for receiver's collateral deficiency
C	Dropped for deliverer's collateral deficiency
A	Dropped for deliverer insufficient position

Code	Meaning
J	Dropped when deliverer's settlement bank unavailable
N	Dropped when receiver's settlement bank unavailable
M	Dropped when market value is exceeded
V	Dropped when collateral monitor value is exceeded
R	Dropped when receiver's debit cap limit is reached
Z	Dropped when PEND (recycle) cutoff was taken at the other Depository

5. Drop Code Indicators

Code	Meaning
space	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