



MMI

11.9 MONEY MARKET INSTRUMENTS: BANKERS' ACCEPTANCE UPDATE TRANSACTION (MMU1/5) INPUT VIA CCF, CCF-II AND MDH: FUNCTION USER'S GUIDE

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OBJECTIVES OF THIS CHAPTER

The objectives of this chapter are to:

- Give information about DTC's Money Market Instruments Bankers' Acceptance (BA) Update Transaction (MMI) function
- Provide formats for required records
- List MMI error codes

MMI BA OVERVIEW

DTC has developed a service in the Computer-to-Computer Facility (CCF) and in the Mainframe Dual Host (MDH) System to handle Money Market Instruments. This document describes how Participants can use DTC's newly developed service for transmitting Money Market Instrument BA Updates to DTC, offered via CCF, CCF- II and MDH. This guide describes MMI Updates for both CCF and MDH.

Transmission Modes

MMI Bankers'Acceptance transactions can be transmitted via CCF, CCF-II or MDH. Participants must familiarize themselves with DTC's document *Computer-to- Computer Facility Procedures Manual*, Chapter 2.03, "Interface Control Management–Transaction Input For CCF, CCF-II, MDH," which describes standards for transaction processing with DTC's automated systems and provides specifics relating to the operation, error processing and recovery for CCF, CCF-II and MDH transmissions. For MDH, up to four records can be entered per input block. Note that a record that describes commodities can describe up to 14 commodities per record.

Interface Function Names

The function names associated with each interface are as follows:

- CCF/CCF-II MMU5 6:00 am through 6:00 pm
- MDH MMU1 6:00 am through 6:00 pm

INPUT RECORD FORMATS

The MMI BA Update Segment from Participant is a group of records of 895 bytes each that defines the update transaction. The format of these records is shown below.

Common Record Header

Common Record Header (from Participant)–Format				
Position	Length	Format	Field Name	Field Description
1	1	Character	ICMPFX- ERROR-FLAG	Space
2	1	Character	ICMPFX-TEST-OR-PROD-IND	T test P production
3	6	Character	ICMPFX- RECORD-TYPE	MMIBAU
9	2	Numeric	ICMPFX-RECORD-SUFFIX	01
11	2	Numeric	ICMPFX-RECORD-VERSION	01
13	6	Numeric	ICMPFX-RECORD-USR-SEQ-NO	Unique transaction sequence number (optional)
19	8	Numeric	ICMPFX-ADDRESSEE	Identifier of entity on whose behalf the transaction is being processed (required)

Update Header Record

Update Header Segment (from Participant)–Format				
Position	Length	Format	Field Name	Field Description
27	3	Character	MMI-RECORD TYPE	Identifies record type (required) HDR Header Record
30	12	Character	MMI-CUSIP ID	Identifier of MMI BA to be updated (required); format: 00 (zeroes) 9-character CUSIP 0 (zero, required)
				Note: If the issuer number is established on DTC's Issuer Control Table as a discount issuer number, the 7th and 8th positions of the CUSIP number are verified on the basis of an industry-accepted algorithm based on maturity date.
42	10	Character	MMI-SIGNON ID	Transmitting participant signon (required)
52	1	Character	MMI- TRANSACTION-TYPE	Identifies transaction type (required) 3 = draft update
53	3	Number	MMI-NUMBER OF-DRAFTS	Number of draft records included in the transaction (required)
56	838	Character	MMI-Filler	DTC use only; do not use

Update Draft Record

Update Draft Record (from Participant)–Format Page 1 of 3				
Position	Length	Format	Field Name	Field Description
27	1	Character	MMI- PRODUCT- TYPE	Product type identifier Q Bankers'Acceptance
28	1	Character	MMI-RECORD- TYPE	Record type identifier D draft (required)
29	12	Character	MMI-CUSIP-ID	Identifier of MMI BA issued (required); format: 00 (zeroes) 9-character CUSIP 0 (zero, required)
41	3	Number	MMI-DRAFT- NUMBER	Draft component number (required)
44	13	Number	MMI-DRAFT- FACE- VALUE	9(11)V9(2) draft face value (required)
57	8	Number	MMI-DATE- DRAFT- DRAWN	<i>ccyymmdd</i> date on which draft was drawn (required).
65	8	Number	MMI-DRAFT- ACCEPTANCE- DATE	<i>ccyymmdd</i> date on which draft was accepted (required)
73	8	Number	MMI-DRAFT- MATURITY- DATE	<i>ccyymmdd</i> date on which draft
80	15	Character	MMI-DRAFT- ACCEPTANCE- NUMBER	(Free-form text) IA acceptance number (optional)
96	18	Character	MMI-DRAFT- SERIAL- NUMBER	(Free-form text) IA serial number (optional)
114	30	Character	MMI-DRAWER	(Free-form text) drawer name (required)

Update Draft Record (from Participant)–Format Page 2 of 3				
Position	Length	Format	Field Name	Field Description
145	30	Character	MMI-DRAWER- CITY	(Free-form text) city of drawer (optional)
174	56	Character	MMI-DRAWER- BANK	(Free-form text) bank draft was drawn on (required)
230	8	Number	MMI-SHIP- DATE	<i>ccyymmdd</i> shipment date for commodities backing the draft Zeroes if not applicable
238	8	Number	MMI-SIGHT- DATE	<i>ccyymmdd</i> sight date for commodities backing the draft Zeroes if not applicable
246	3	Number	MMI-TENOR- DAYS	Number of days associated with tenor (required if tenor text is not blank)
249	14	Character	MMI-TENOR- TEXT	Tenor description (required if tenor days is not zero)
263	8	Number	MMI- WAREHOUSE- RECEIPT-DATE	<i>ccyymmdd</i> date commodities backing the draft were received in the warehouse Zeroes if not applicable
271	35	Character	MMI-LOC-BANK	Letter of credit bank name (required if LOC bank number provided)
306	15	Character	MMI-LOC- BANK- NUMBER	Letter of credit bank number (required if LOC bank name provided)
321	80	Character	MMI- COMMENTS	Comments (optional)

Update Draft Record (from Participant)–Format Page 3 of 3					
Position	Length	Format	Field Name	File	Description
401	1	Character	MMI-DRAFT-TYPE		Type of draft: (required) 1 Export/Import 2 US Domestic Shipment 3 US Storage 4 Dollar Exchange 5 Foreign Storage 6 Foreign Domestic Shipment 7 Finance or Working Capital
402	1	Character	MMI-COMMODITY-DESCRIPTION-INDICATOR		Indicator of where commodity descriptions can be found (required) 1 none 2 included 3 obtainable from IA
403	3	Number	MMI-NUMBER-OF-COMMODITIES		Number of commodities that back the draft; zero if not applicable (required)
406	1	Character	MMI-ACTION-INDICATOR		Action being taken on draft (required) A add draft D delete draft M modify draft
407	489	Character	MMI-Filler		DTC use only; do not use

Update Commodity Record

The Update Commodity Record provides for the entry of up to 14 commodities. If fewer than 14 commodities are included, the fields in the unused commodity sub- records must be defaulted to spaces or zeroes according to field format.

The provided commodities must be described in consecutive sub-records with no embedded 'blank' sub-records. All data after the first blank sub-record in the commodity record is ignored and processing continues with the next transaction record.

Update Commodity Record (from Participant)–Format (Page 1 of 12)				
Position	Length	Format	Field Name	Field Description
27	1	Character	MMI-PRODUCT-TYPE	Product type identifier Q Bankers'Acceptance (required)
28	1	Character	MMI-RECORD-TYPE	Record type identifier C commodity (required)
29	12	Character	MMI-CUSIP-ID	Identifier of MMI BA to be updated (required); format: 00 (zeroes) 9-character CUSIP 0 (zero, required)
41	3	Numeric	MMI-DRAFT-NUMBER	Draft component number (required)
44	30	Character	MMI-COMMODITY-NAME(1)	(Free-form text) name of commodity (required)
74	13	Numeric	MMI-COMMODITY-VALUE(1)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT-AGE supplied
87	7	Numeric	MMI-COMMODITY-PERCENTAGE (1)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied

Update Commodity Record (from Participant)–Format (Page 2 of 12)				
Position	Length	Format	Field Name	Field Description
94	3	Character	MMI-ORINATION-ENTITY (1)	Country/state of origin; spaces if not applicable
97	3	Character	MMI-DESTINATION-ENTITY (1)	Country/state of destination; spaces if not applicable
100	3	Character	MMI- STORAGE-ENTITY(1)	Country/state of storage; spaces if not applicable
103	1	Character	MMI-ACTION-INDICATOR(1)	Action being taken on commodity U update commodity (required)
104	30	Character	MMI- COMMODITY-NAME(2)	Name of commodity; spaces if not applicable
134	13	Numeric	MMI- COMMODITY-VALUE(2)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT- AGE supplied
147	7	Numeric	MMI- COMMODITY-PERCENTAGE (2)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied
154	3	Character	MMI-ORINATION-ENTITY (2)	Country/state of origin; spaces if not applicable
157	3	Character	MMI-DESTINATION-ENTITY (2)	Country/state of destination; spaces if not applicable
160	3	Character	MMI- STORAGE-ENTITY(2)	Country/state of storage; spaces if not applicable

Update Commodity Record (from Participant)–Format (Page 3 of 12)				
Position	Length	Format	Field Name	Field Description
163	1	Character	MMI-ACTION-INDICATOR(2)	Action being taken on commodity U update commodity (required)
164	30	Character	MMI-COMMODITY-NAME(3)	Name of commodity (required); spaces if not applicable
194	13	Numeric	MMI-COMMODITY-VALUE(3)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT-AGE supplied
207	7	Numeric	MMI-COMMODITY-PERCENTAGE(3)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied
214	3	Character	MMI-ORIGINATION-ENTITY(3)	Country/state of origin; spaces if not applicable
217	3	Character	MMI-DESTINATION-ENTITY(3)	Country/state of destination; spaces if not applicable
220	3	Character	MMI-STORAGE-ENTITY(3)	Country/state of storage; spaces if not applicable
223	1	Character	MMI-ACTION-INDICATOR(3)	Action being taken on commodity U update commodity (required)
224	30	Character	MMI-COMMODITY-NAME(4)	Name of commodity (required); spaces if not applicable

Update Commodity Record (from Participant)–Format (Page 4 of 12)				
Position	Length	Format	Field Name	Field Description
254	13	Numeric	MMI- COMMODITY-VALUE(4)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT- AGE supplied
267	7	Numeric	MMI- COMMODITY-PERCENTAGE (4)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied
274	3	Character	MMI-ORINATION-ENTITY (4)	Country/state of origin; spaces if not applicable
277	3	Character	MMI-DESTINATION-ENTITY (4)	Country/state of destination; spaces if not applicable
280	3	Character	MMI-STORAGE-ENTITY(4)	Country/state of storage; spaces if not applicable
283	1	Character	MMI-ACTION-INDICATOR(4)	Action being taken on commodity U update commodity (required)
284	30	Character	MMI-COMMODITY-NAME(5)	Name of commodity (required); spaces if not applicable
314	13	Numeric	MMI-COMMODITY-VALUE(5)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT- AGE supplied
327	7	Numeric	MMI-COMMODITY-PERCENTAGE(5)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied

Update Commodity Record (from Participant)–Format (Page 5 of 12)				
Position	Length	Format	Field Name	Field Description
334	3	Character	MMI-ORIGINATION-ENTITY(5)	Country/state of origin; spaces if not applicable
337	3	Character	MMI-DESTINATION-ENTITY(5)	Country/state of destination; spaces if not applicable
340	3	Character	MMI-STORAGE-ENTITY(5)	Country/state of storage; spaces if not applicable
343	1	Character	MMI-ACTION-INDICATOR(5)	Action being taken on commodity U update commodity (required)
344	30	Character	MMI-COMMODITY-NAME(6)	Name of commodity (required); spaces if not applicable
374	13	Numeric	MMI-COMMODITY-VALUE(6)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT-AGE supplied
387	7	Numeric	MMI-COMMODITY-PERCENTAGE(6)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied
394	3	Character	MMI-ORIGINATION-ENTITY(6)	Country/state of origin; spaces if not applicable
397	3	Character	MMI-DESTINATION-ENTITY(6)	Country/state of destination; spaces if not applicable
400	3	Character	MMI-STORAGE-ENTITY(6)	Country/state of storage; spaces if not applicable

Update Commodity Record (from Participant)–Format (Page 6 of 12)				
Position	Length	Format	Field Name	Field Description
403	1	Character	MMI-ACTION-INDICATOR(6)	Action being taken on commodity U update commodity (required)
404	30	Character	MMI-COMMODITY-NAME(7)	Name of commodity (required); spaces if not applicable
434	13	Numeric	MMI-COMMODITY-VALUE(7)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT-AGE supplied
447	7	Numeric	MMI-COMMODITY-PERCENTAGE(7)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied
454	3	Character	MMI-ORIGINA-TION-ENTITY(7)	Country/state of origin; spaces if not applicable
457	3	Character	MMI-DESTINA-TION-ENTITY(7)	Country/state of destination; spaces if not applicable
460	3	Character	MMI-STORAGE-ENTITY(7)	Country/state of storage; spaces if not applicable
463	1	Character	MMI-ACTION-INDICATOR(7)	Action being taken on commodity U update commodity (required)
464	30	Character	MMI-COMMODITY-NAME(8)	Name of commodity (required); spaces if not applicable

Update Commodity Record (from Participant)–Format (Page 7 of 12)				
Position	Length	Format	Field Name	Field Description
494	13	Numeric	MMI- COMMODITY-VALUE(8)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT- AGE supplied
507	7	Numeric	MMI- COMMODITY-PERCENTAGE (8)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied
514	3	Character	MMI-ORIGINATION-ENTITY (8)	Country/state of origin; spaces if not applicable
517	3	Character	MMI-DESTINATION-ENTITY (8)	Country/state of destination; spaces if not applicable
520	3	Character	MMI-STORAGE-ENTITY(8)	Country/state of storage; spaces if not applicable
523	1	Character	MMI-ACTION-INDICATOR(8)	Action being taken on commodity U update commodity (required)
524	30	Character	MMI-COMMODITY-NAME(9)	Name of commodity (required); spaces if not applicable
554	13	Numeric	MMI-COMMODITY-VALUE(9)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT- AGE supplied
567	7	Numeric	MMI-COMMODITY-PERCENTAGE(9)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied

Update Commodity Record (from Participant)–Format (Page 8 of 12)				
Position	Length	Format	Field Name	Field Description
574	3	Character	MMI-ORIGINATION-ENTITY(9)	Country/state of origin; spaces if not applicable
577	3	Character	MMI-DESTINATION-ENTITY(9)	Country/state of destination; spaces if not applicable
580	3	Character	MMI-STORAGE-ENTITY(9)	Country/state of storage; spaces if not applicable
583	1	Character	MMI-ACTION-INDICATOR(9)	Action being taken on commodity U update commodity (required)
584	30	Character	MMI-COMMODITY-NAME(10)	Name of commodity (required); spaces if not applicable
614	13	Numeric	MMI-COMMODITY-VALUE(10)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT-AGE supplied
627	7	Numeric	MMI-COMMODITY-PERCENTAGE(10)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied
634	3	Character	MMI-ORIGINATION-ENTITY(10)	Country/state of origin; spaces if not applicable
637	3	Character	MMI-DESTINATION-ENTITY(10)	Country/state of destination; spaces if not applicable
640	3	Character	MMI-STORAGE-ENTITY(10)	Country/state of storage; spaces if not applicable

Update Commodity Record (from Participant)–Format (Page 9 of 12)				
Position	Length	Format	Field Name	Field Description
643	1	Character	MMI-ACTION-INDICATOR(10)	Action being taken on commodity U update commodity (required)
644	30	Character	MMI-COMMODITY-NAME(11)	Name of commodity (required); spaces if not applicable
674	13	Numeric	MMI-COMMODITY-VALUE(11)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT-AGE supplied
687	7	Numeric	MMI-COMMODITY-PERCENTAGE(11)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied
694	3	Character	MMI-ORIGINATION-ENTITY(11)	Country/state of origin; spaces if not applicable
697	3	Character	MMI-DESTINATION-ENTITY(11)	Country/state of destination; spaces if not applicable
700	3	Character	MMI-STORAGE-ENTITY(11)	Country/state of storage; spaces if not applicable
703	1	Character	MMI-ACTION-INDICATOR(11)	Action being taken on commodity U update commodity (required)
704	30	Character	MMI-COMMODITY-NAME(12)	Name of commodity (required); spaces if not applicable

Update Commodity Record (from Participant)–Format (Page 10 of 12)				
Position	Length	Format	Field Name	Field Description
734	13	Numeric	MMI- COMMODITY-VALUE(12)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT- AGE supplied
747	7	Numeric	MMI- COMMODITY-PERCENTAGE (12)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied
754	3	Character	MMI-ORIGINATION-ENTITY (12)	Country/state of origin; spaces if not applicable
757	3	Character	MMI-DESTINATION-ENTITY (12)	Country/state of destination;spaces if not applicable
760	3	Character	MMI-STORAGE-ENTITY(12)	Country/state of storage; spaces if not applicable
763	1	Character	MMI-ACTION-INDICATOR(12)	Action being taken on commodity U update commodity (required)
764	30	Character	MMI-COMMODITY-NAME(13)	Name of commodity (required); spaces if not applicable
794	13	Numeric	MMI-COMMODITY-VALUE(13)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT- AGE supplied
807	7	Numeric	MMI-COMMODITY-PERCENTAGE(13)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied

Update Commodity Record (from Participant)–Format (Page 11 of 12)				
Position	Length	Format	Field Name	Field Description
814	3	Character	MMI-ORIGINATION-ENTITY(13)	Country/state of origin; spaces if not applicable
817	3	Character	MMI-DESTINATION-ENTITY(13)	Country/state of destination; spaces if not applicable
820	3	Character	MMI-STORAGE-ENTITY(13)	Country/state of storage; spaces if not applicable
823	1	Character	MMI-ACTION-INDICATOR(13)	Action being taken on commodity U update commodity (required)
824	30	Character	MMI-COMMODITY-NAME(14)	Name of commodity (required); spaces if not applicable
854	13	Numeric	MMI-COMMODITY-VALUE(14)	9(11)V9(2) dollar value of commodity; zeroes if not applicable or if MMI-COMMODITY-PERCENT-AGE supplied
867	7	Numeric	MMI-COMMODITY-PERCENTAGE(14)	9(4)V9(3) percentage of total valuation; zeroes if not applicable or if MMI-COMMODITY-VALUE supplied
874	3	Character	MMI-ORIGINATION-ENTITY(14)	Country/state of origin; spaces if not applicable
877	3	Character	MMI-DESTINATION-ENTITY(14)	Country/state of destination; spaces if not applicable
880	3	Character	MMI-STORAGE-ENTITY(14)	Country/state of storage; spaces if not applicable

Update Commodity Record (from Participant)–Format (Page 12 of 12)				
Position	Length	Format	Field Name	Field Description
883	1	Character	MMI-ACTION-INDICATOR (14)	Action being taken on commodity U update commodity (required)
884	12	Character	MMI-Filler	DTC use only; do not use

Notes

If fewer than 14 commodities are included in a commodity record, fields in the unused commodity sub-records must be defaulted to spaces or zeroes depending on field format.

Commodities provided must be described in consecutive sub-records with no embedded 'blank' sub-records. All data following the first 'blank' sub-record in a commodity record will be ignored and processing continues with the next transaction record.

Update Trailer Record

Update Trailer Record (from Participant)–Format				
Position	Length	Format	Field Name	Field Description
27	3	Character	MMI-RECORD TYPE	EOT
30	12	Character	MMI-CUSIP ID	Identifier of MMI BA to be updated (required); format: 00 (zeroes) 9-character CUSIP 0 (zero, required)
42	10	Character	MMI-SIGNON ID	Transmitting participant signon (required)
52	832	Character	MMI-Filler	DTC use only; do not use

MMI BA FIELD REQUIREMENTS

This chapter lists fields that are applicable for an MMI BA update transaction. Draft data is consistent across payment types and draft types. For commodities, there is a distinction between Draft Types—US or Foreign Storage, Dollar Exchange, Finance or Working Capital, US or Foreign Domestic Shipment, or Export/Import.

Bankers' Acceptance Update Drafts—Field Requirements

The sum of all draft face values must equal or exceed the total face value of the Bankers' Acceptance.

BA Update Drafts—Field Requirements	
Field Name	Requirements/Comments
DATE-DRAFT-DRAWN	Must be the same as or precede the BA SETTLEMENT-DATE of the most recent issuance that has settled
DATE-DRAFT-ACCEPTED	Must be the same as or precede the DATE-DRAFT-DRAWN
DATE-DRAFT-MATURES	Must be at least one calendar day later than the DATE-DRAFT-DRAWN
<ul style="list-style-type: none"> LETTER-OF-CREDIT- BANK-NAME LETTER-OF-CREDIT- BANK-NUMBER 	Used as a pair; they must either both be completed or both be left blank
<ul style="list-style-type: none"> SHIPMENT-DATE SIGHT-DATE 	Both are optional, if DRAFT-TYPE entry = 3 (US Storage), 4 (Dollar Exchange), or 5 (Foreign Storage) If DRAFT-TYPE entry = 1, 2, 6, or 7, either the SHIPMENT-DATE or SIGHT-DATE field must be completed
WAREHOUSE-RECEIPT- DATE	Required if DRAFT-TYPE entry = either 3 (US Storage) or 5 (Foreign Storage)
<ul style="list-style-type: none"> TENOR-DAYS TENOR-TEXT 	Used as a pair; if one is completed the other one must be completed If the TENOR-DAYS entry = 0 (zero), the TENOR-TEXT field must be left blank
TENOR-TEXT	Valid entries, if completed: SIGHT, SHIPMENT, DRAFT DRAWN, DRAFT ACCEPTED, ccyyymmdd (= any valid date)

Bankers' Acceptance Commodities Field Requirements

Dollar and Percentage valuations are governed by the following rules:

- All commodities backing a draft must have the same type of valuation field filled in (either dollar or percentage) or both fields left blank.
- If percentage valuations are entered, the sum of the valuations must be within 2% of 100%.
- If dollar valuations are entered, the sum of the valuations must be greater than or equal to the face value of the corresponding draft.

The Bankers' Acceptance table below the entity fields applicable to the MMI Bankers' Acceptance commodity record for particular draft types.

The following abbreviations are used to describe the data available for the entity fields for each draft type:

Abbreviation	Entity Field Type
D-ISO	<p>Origination and destination entities must have different valid ISO country codes or a valid US Postal code and a valid ISO country code.</p> <hr/> <p>Note: Having two US postal codes is not valid</p> <hr/>
S-ISO	Origination and destination entities must have the same valid ISO country code
ISO	Entity field(s) must have a valid ISO country code.
US	Entity field(s) must have a valid US postal code.
O	Entity fields are optional and can be left blank

Note

Origination and destination entities are always used as a pair. For that reason they share a row on the following Bankers' Acceptance Commodity Information table.

Bankers' Acceptance Commodity Information

	Export/Import	US Domestic Shipment	US Storage	Foreign Storage	Dollar Exchange	Foreign Domestic Shipment	Finance or Working Capital
Origination/ Destination Entity	D-ISO	US	N/A	N/A	ISO US O	S-ISO	ISO US O
Storage Entity	N/A	N/A	US	ISO	N/A	N/A	N/A

ERROR MESSAGE PICKUP

Transmitting the MDLS Request Block

Transmit a Data Request Block–Type 07 (see Section 5.3, on page 28) containing the following fields:

- Block Type: 07
- Time Stamp provided by MDH and used for cutoff-time-checking
- Participant Sign-on ID (valid 8-character field)
- Individual User Number: 2-digit field provided by MDH in the Type 02 logon response block, to be inserted in the prefix of every transmission block sent to MDH to uniquely identify the transmission
- Function Requested: MDLS
- Request Code (AD = all data)
- File Control Number (FILE-CTL-#) = *yyyddd*s (Julian date + session), from positions 53–60 in the prior 08 record
- Desired Starting Sequence Number (STARTING-SEQ-#) = *nnnnnn* (from positions 19–24 of each individual transaction record within the 08 block; right justified; left-zero filled)
- Desired Total Number (*nnnnnn*–optional; right justified; left-zero filled)

Note

It is the Participant's responsibility to save the most current FILE-CTL-# and TRANS-SEQ-# received in order to pick up data from this point when issuing a subsequent MDLS request.

Request–Reply Sequence

1. After submission of a Type 07 request, MDH validates the header data and request parameters and, if they are OK, fills a Type 08 block with as many intermixed activity data as fit in an area of not more than 4K without splitting data records.

This process is repeated until the pending activities are depleted. No other functions can be requested until this occurs.

2. At this point, the MDH system sends one additional Type 08 block containing the value END in the first four positions of the data area and the function is terminated.

Participants can then either send another function-request transmission block or log off.

Notes

- In replies to requests for data from more than one day's mailbox—for example, prior evening through current morning—the new day always starts in a separate 08 block.
 - If you are using the MDLS Function, refer to the *Mainframe Dual Host (MDH) System Participant User's Guide*.
-

Receiving the Response Block

Participant hosts receive one of the two following Type 08 responses as a result of the Type 07 request:

- A “No Data Available” condition, containing the following:
 - A 70-byte block prefix
 - A transaction length attribute with a value of 8
 - A message “NONE” in the data portion of the transaction indicating that there was no data available for the requested range (see Section 5.4 I, on page 29)

At this point, Participants can submit a function-request block or a Type ‘90’ sign-off block.

- A “Data Sent” condition, containing:
 - A 70-byte block prefix indicating the number of transactions sent in the block
 - One or more occurrences of intermixed transactions in the sequence indicate that they were chronologically processed at DTC. See Section 5.4.ii, on page 31 for a sample 08 block containing Deliver Order activity.

Note

The first block is followed by additional 08 blocks until either no more data is available or the desired range has been satisfied (see Section 5.4, on page 29).

At this point, Participants can submit a function-request block or a Type 90 sign-off block.

Notes

- The transaction-length attributes shown above always contain the length of the following data, plus four for the length of the length attribute field itself.
 - The use of the STARTING-SEQ-# and TOTAL-# parameters allows end user to receive the same data more than once if so requested, as in the RPNT function on PTS. It does not, however, mark this data as being sent as an original transmission.
-

As discussed earlier, if a system problem occurs at DTC and is caused, for example, by a program ABEND, unavailability of files or tables, or other reasons, MDH sends a Type 99 response transmission block instead of the Type 08 block currently being transmitted. Participants are informed of the resolution of the problem at DTC, and can then try to reestablish the session in the normal manner.

Data Request Block for New MDLS Function–Type 07

Data Request Block for New MDLS Function–Type 07				
Position	Length	Format	Field Name	Description
01	02	Character	TYPE-OF- BLOCK	07
03	06	Character	TIME-STAMP	<i>hhmmss</i> time received
09	08	Character	USER-ID	<i>nnnnnnnn</i> 8-digit individual user's ID; for example, 00000161 <i>annnnnnn</i> 8-character alphanumeric group user ID; for example, G0000123
17	02	Character	INDIVIDUAL- USER- NUMBER	<i>aa</i> 2-character ID, entered by sender from Type 02 log-on response
19	04	Character	LU6.2-TERMID	Internal to MDH
23	38	Character	FILLER	DTC use only; do not use
61	04	Character	FUNCTION- REQUESTED	MDLS
65	02	Character	REQUESTED-TYPE	AD, OP or OD
67	08	Character	FILE-CONTROL- NUMBER	<i>yyyddd</i> Julian date plus session number
75	06	Numeric	STARTING-SEQ-#	<i>nnnnnn</i> required starting sequence number; right justified, left zero fill
81	06	Numeric	MAXIMUM-NUM- REQUESTED	<i>nnnnnn</i> number of transactions desired; right justified, left zero fill

Data Response Blocks from MDH–Type 08

Data Response Block from MDH with 'END' or 'NONE'

Data Response Block from MDH with 'END' or 'NONE' (Page 1 of 2)				
Position	Length	Format	Field Name	Description
01	02	Character	TYPE-OF- BLOCK	08
03	06	Character	TIME-STAMP	<i>hhmmss</i> time received
09	08	Character	USER-ID	<i>nnnnnnnn</i> 8-digit individual user's ID; for example, 00000161 <i>annnnnnn</i> 8-character alphanumeric group user ID; for example, G0000123)
19	04	Character	LU6.2-TERMINID	Internal to MDH
23	30	Character	FILLER	DTC use only; do not use
53	08	Character	FILE CONTROL-NUMBER	<i>yyyydds</i> Julian date plus session number
62	01	Character	RESPONSE-REASON-CODE	A not signed on B past cutoff C not in MDLU function D invalid range request E function incorrect F invalid REQUEST-TYPE (MDLS) G wrong FILE-CONTROL-# (MDLS) M message delivery is down N FILE-CTL# vs REQUEST-TYPE is invalid (MDLS) P PTS is down
63	04	Character	TRANSAC- TIONS- IN- BLOCK	Number of transactions in this block (value = 0)
67	04	Character	BLOCK-DATA-LENGTH	Length of the data following this field plus 4 (value 12)

Data Response Block from MDH with 'END' or 'NONE' (Page 2 of 2)				
Position	Length	Format	Field Name	Description
71	04	Character	TRANSACTION-LENGTH	Length of the transaction following this field plus 4 (value 8)
75	04	Character	REQUEST-END-MESSAGE	END all data requested has been sent. NONE no data found for this request

Data Response Block for Draft Updates

The 08 Response Block for Draft Updates is of variable length and consists of a 70- byte Block Prefix followed by the error record preceded by a 4 byte length attribute. The following table shows a block that contains a draft component error record. It consists of the 70-byte prefix, the 4-byte length attribute, and 670-byte error record.

Note.

The 8-character ICM error codes (beginning at position 105) consist of a 4- byte field code followed by an applicable 4-byte error code. For field and error codes, see Appendix A, beginning on page 37.

Data Response Block for Draft Updates (Page 1 of 6)				
Position	Length	Format	Field Name	Field Attributes
01	02	Character	TYPE-OF- BLOCK	08
03	06	Character	TIME-STAMP	<i>hhmmss</i> time received
09	08	Character	USER-ID	<i>nnnnnnnn</i> 8-digit individual user's ID; for example, 00000161 <i>annnnnnn</i> 8-character alphanumeric group user ID; for example, G0000123)
17	02	Character	INDIVIDUAL- MDH USER- NUMBER	Internal to
19	04	Character	LU6.2-TERMINID	Internal to MDH
23	30	Character	FILLER	DTC use only; do not use
53	08	Character	FILE- CONTROL- NUMBER	<i>yyyyddds</i> Julian date plus session number
61	01	Character	RESPONSE- CODE	A or R

Data Response Block for Draft Updates (Page 2 of 6)				
Position	Length	Format	Field Name	Field Attributes
62	01	Character	RESPONSE-REASON-CODE	A not signed on B past cutoff C not in MDLU function D invalid range request E function incorrect F invalid REQUEST-TYPE (MDLS) G wrong FILE-CONTROL-# (MDLS) M message delivery is down N FILE-CTL# vs REQUEST-TYPE is invalid (MDLS) P PTS is down
63	04	Numeric	TRANSACTIONS-IN-BLOCK	Number of transactions in this block
67	04	Numeric	BLOCK-DATA-LENGTH	Length of the data following this field plus 4
71	04	Numeric	TRANSACTION-LENGTH	Length of the transaction following this field plus 4; value = 674
75	02	Character	FILLER	DTC use only; do not use
77	01	Character	FILLER	DTC use only; do not use
78	10	Character	SIGNON	Issuing agent's signon
88	12	Character	CUSIP	12-character issue identifier ; format: 00 (zeroes) 9-character CUSIP 0 (zero)
100	1	Character	RECORD-TYPE	I issuances
101	1	Character	FILLER	DTC use only; do not use
102	3	Character	FILLER	DTC use only; do not use
105	8	Character	ERROR (1)	8-character ICM error code

Data Response Block for Draft Updates (Page 3 of 6)				
Position	Length	Format	Field Name	Field Attributes
113	8	Character	ERROR (2)	8-character ICM error code
121	8	Character	ERROR (3)	8-character ICM error code
129	8	Character	ERROR (4)	8-character ICM error code
137	8	Character	ERROR (5)	8-character ICM error code
145	8	Character	ERROR (6)	8-character ICM error code
153	8	Character	ERROR (7)	8-character ICM error code
161	8	Character	ERROR (8)	8-character ICM error code
169	8	Character	ERROR (9)	8-character ICM error code
177	8	Character	ERROR (10)	8-character ICM error code
185	8	Character	ERROR (11)	8-character ICM error code
193	8	Character	ERROR (12)	8-character ICM error code
201	8	Character	ERROR (13)	8-character ICM error code
209	8	Character	ERROR (14)	8-character ICM error code
217	8	Character	ERROR (15)	8-character ICM error code
225	8	Character	ERROR (16)	8-character ICM error code
233	8	Character	ERROR (17)	8-character ICM error code
241	8	Character	ERROR (18)	8-character ICM error code
249	8	Character	ERROR (19)	8-character ICM error code
257	8	Character	ERROR (20)	8-character ICM error code
265	8	Character	ERROR (21)	8-character ICM error code
273	8	Character	ERROR (22)	8-character ICM error code
281	8	Character	ERROR (23)	8-character ICM error code
289	8	Character	ERROR (24)	8-character ICM error code
297	8	Character	ERROR (25)	8-character ICM error code
305	8	Character	ERROR (26)	8-character ICM error code

Data Response Block for Draft Updates (Page 4 of 6)				
Position	Length	Format	Field Name	Field Attributes
313	8	Character	ERROR (27)	8-character ICM error code
321	8	Character	ERROR (28)	8-character ICM error code
329	8	Character	ERROR (29)	8-character ICM error code
337	8	Character	ERROR (30)	8-character ICM error code
345	8	Character	ERROR (31)	8-character ICM error code
353	8	Character	ERROR (32)	8-character ICM error code
361	8	Character	ERROR (33)	8-character ICM error code
369	8	Character	ERROR (34)	8-character ICM error code
377	8	Character	ERROR (35)	8-character ICM error code
385	8	Character	ERROR (36)	8-character ICM error code
393	8	Character	ERROR (37)	8-character ICM error code
401	8	Character	ERROR (38)	8-character ICM error code
409	8	Character	ERROR (39)	8-character ICM error code
417	8	Character	ERROR (40)	8-character ICM error code
425	8	Character	ERROR (41)	8-character ICM error code
433	8	Character	ERROR (42)	8-character ICM error code
441	8	Character	ERROR (43)	8-character ICM error code
449	8	Character	ERROR (44)	8-character ICM error code
457	8	Character	ERROR (45)	8-character ICM error code
465	8	Character	ERROR (46)	8-character ICM error code
473	8	Character	ERROR (47)	8-character ICM error code
481	8	Character	ERROR (48)	8-character ICM error code
489	8	Character	ERROR (49)	8-character ICM error code
497	8	Character	ERROR (50)	8-character ICM error code
505	8	Character	ERROR (51)	8-character ICM error code

Data Response Block for Draft Updates (Page 5 of 6)				
Position	Length	Format	Field Name	Field Attributes
513	8	Character	ERROR (52)	8-character ICM error code
521	8	Character	ERROR (53)	8-character ICM error code
529	8	Character	ERROR (54)	8-character ICM error code
537	8	Character	ERROR (55)	8-character ICM error code
545	8	Character	ERROR (56)	8-character ICM error code
553	8	Character	ERROR (57)	8-character ICM error code
561	8	Character	ERROR (58)	8-character ICM error code
569	8	Character	ERROR (59)	8-character ICM error code
577	8	Character	ERROR (60)	8-character ICM error code
585	8	Character	ERROR (61)	8-character ICM error code
593	8	Character	ERROR (62)	8-character ICM error code
601	8	Character	ERROR (63)	8-character ICM error code
609	8	Character	ERROR (64)	8-character ICM error code
617	8	Character	ERROR (65)	8-character ICM error code
625	8	Character	ERROR (66)	8-character ICM error code
633	8	Character	ERROR (67)	8-character ICM error code
641	8	Character	ERROR (68)	8-character ICM error code
649	8	Character	ERROR (69)	8-character ICM error code
657	8	Character	ERROR (70)	8-character ICM error code
665	8	Character	ERROR (71)	8-character ICM error code
673	8	Character	ERROR (72)	8-character ICM error code
681	8	Character	ERROR (73)	8-character ICM error code
689	8	Character	ERROR (74)	8-character ICM error code
697	8	Character	ERROR (75)	8-character ICM error code
705	8	Character	ERROR (76)	8-character ICM error code

Data Response Block for Draft Updates (Page 6 of 6)				
Position	Length	Format	Field Name	Field Attributes
713	8	Character	ERROR (77)	8-character ICM error code
721	8	Character	ERROR (78)	8-character ICM error code
729	8	Character	ERROR (79)	8-character ICM error code
737	8	Character	ERROR (80)	8-character ICM error code

APPENDIX A. MMI ERROR CODES

The following table lists and describes errors that can be received during the edit of an MMI Update transaction. This error list includes both Field Codes and Error Codes. These codes are defined in DTF file ICMFIL for Field Identifiers and ICMERR for Error Codes.

The table is sorted alphabetically by field code (column 1) then by error code (column 3).

MMI Error Codes (Page 1 of 6)			
Field Code	Field Name	Error Code	Description
AAAV	Transmission	9AAE	Update transaction did not alter the BA
BAAZ	Draft Drawn Date	9AAJ	<p>Invalid month for Draft Drawn Date; that is, month is not equal to 1–12</p> <p>or</p> <p>Invalid day for Draft Drawn Date; that is, day is not equal to 1–31 for months 1, 3, 5, 7, 8 10, 12; day is not equal to 1–30 for months 4, 6, 9 and 11; day is not equal to 1–28 for month 2 of a non-leap year; day is not equal to 1–29 for month 2 of a leap year or</p> <p>Invalid year for Draft Drawn Date; that is, year is not numeric</p> <hr/> <p>Note: You can check dates by using the CALENDAR routine.</p> <hr/>
BAAZ	Draft Drawn Date	9ABA	Date is not less than the Settlement Date
BABV	Date Draft Accepted	9AAE	Date is greater than Date Draft Drawn

MMI Error Codes (Page 2 of 6)			
Field Code	Field Name	Error Code	Description
BABV	Date Draft Accepted	9AAJ	<p>Invalid month for Draft Accepted Date; that is, month is not equal to 1–12</p> <p>or</p> <p>Invalid day for Draft Accepted Date; that is, day is not equal to 1–31 for months 1, 3, 5, 7, 8 10, 12; day is not equal to 1–30 for months 4, 6, 9 and 11; day is not equal to 1–28 for month 2 of a non-leap year; day is not equal to 1–29 for month 2 of a leap year</p> <p>or</p> <p>Invalid year for Draft Accepted Date (that is, year is not numeric)</p> <p>Note: You can check dates by using the CALENDAR routine.</p>
BABW	Draft Maturity Date	9AAE	Date is less than Date Draft Drawn
BABW	Draft Maturity Date	9AAJ	<p>Invalid month for Draft Maturity Date (that is, month is not equal to 1–12) or invalid day for Draft Maturity Date. (that is, day is not equal to 1–31 for months 1, 3, 5, 7, 8 10, 12; day is not equal to 1–30 for months 4, 6, 9 and 11; day is not equal to 1–28 for month 2 of a non-leap year; day is not equal to 1–29 for month 2 of a leap year) or invalid year for Draft Maturity Date (that is, year is not numeric)</p> <p>Note: You can check dates by using the CALENDAR routine.</p>
BABX	Shipment Date	9AAE	<p>Shipment or sight date must be provided</p> <p>Note: This applies to drafts that have Export/Import, US Domestic Shipping, Foreign Domestic Shipping, or Finance or Working Capital as their draft type.</p>

MMI Error Codes (Page 3 of 6)			
Field Code	Field Name	Error Code	Description
BABX	Shipment Date	9AAJ	<p>Invalid month for Shipment Date (that is, month is not equal to 1–12) or invalid day for Shipment Date. (that is, day is not equal to 1–31 for months 1, 3, 5, 7, 8 10, 12; day is not equal to 1–30 for months 4, 6, 9 and 11; day is not equal to 1–28 for month 2 of a non-leap year; day is not equal to 1–29 for month 2 of a leap year</p> <p>or</p> <p>Invalid year for Shipment Date; that is, year is not numeric</p> <hr/> <p>Note: You can check dates by using the CALENDAR routine.</p>
BABY	Sight Date	9AAJ	<p>Invalid month for Sight Date; that is, month is not equal to 1–12</p> <p>or</p> <p>Invalid day for Sight Date; that is, day is not equal to 1–31 for months 1, 3, 5, 7, 8 10, 12; day is not equal to 1–30 for months 4, 6, 9 and 11; day is not equal to 1–28 for month 2 of a non-leap year; day is not equal to 1–29 for month 2 of a leap year</p> <p>or</p> <p>Invalid year for Sight Date; that is, year is not numeric</p> <hr/> <p>Note: You can check dates by using the CALENDAR routine.</p>
BABY	Sight Date	9AAE	Greater than current date
BABZ	Warehouse Receipt Date	9AAE	<p>Warehouse Receipt Date must be provided</p> <p>Note: This applies only to drafts with US Storage or Foreign Storage as its draft type.</p>

MMI Error Codes (Page 4 of 6)			
Field Code	Field Name	Error Code	Description
BABZ	Warehouse Receipt Date	9AAJ	<p>Invalid month for Warehouse Receipt Date; that is, month is not equal to 1–12</p> <p>or</p> <p>Invalid day for Warehouse Receipt Date; that is, day is not equal to 1–31 for months 1, 3, 5, 7, 8 10, 12; day is not equal to 1–30 for months 4, 6, 9 and 11; day is not equal to 1–28 for month 2 of a non-leap year; day is not equal to 1–29 for month 2 of a leap year</p> <p>or</p> <p>Invalid year for Warehouse receipt Date; that is, year is not numeric</p> <hr/> <p>Note: You can check dates by using the CALENDAR routine.</p> <hr/>
CAGW	Draft Component Number	9AAE	<p>Action Indicator = A, and draft component number exists</p> <p>or</p> <p>Action Indicator = D or M, and draft component does not exist</p>
CAGW	Draft Component Number	9AAF	Field is not numeric
CAGW	Draft Component Number	9AAH	Field is equal to zero
DAGC	Draft Face Value	9AAE	Sum of all draft face values is less than the total BA face value
DAGC	Draft Face Value	9AAF	Field is not numeric
DAGD	Tenor Days	9AAF	Number of days is non-numeric
DAGD	Tenor Days	9AAH	Field is equal to zero
DAGE	Dollar Valuation	9AAE	<p>All commodities for a draft must have either no valuation or the same type of valuation (dollar or percentage)</p> <p>or</p> <p>Dollar valuation selected and the sum of all dollar valuation amounts less than draft face value</p>
DAGE	Dollar Valuation	9AAF	Field is not numeric

MMI Error Codes (Page 5 of 6)			
Field Code	Field Name	Error Code	Description
DAGF	Percentage Valuation	9AAE	Not between 98% and 102%
DAGF	Percentage Valuation	9AAF	Field is not numeric
EAG0	Commodity Description Indicator	9AAE	Commodity Description Indicator not equal to 1–3 or Field not = 2 and previous value = 2 or Field = 2, previous value not = 2, and commodity list previously existed or Field = 2, previous value = 2, and commodity records were provided
EAG3	Draft Action Indicator	9AAE	Indicator not A, D, or M
GAAA	CUSIP Number	9AAE	Total number of drafts and commodities provided for the BA exceeds 401
GABG	Letter of Credit Bank Number	9AA5	Field is equal to spaces and Letter of Credit Bank Name was entered
GADB	Draft Type	9AAE	Draft Type not equal to 1–7
GADC	Origination Entity	9AA5	Field is equal to spaces
GADC	Origination Entity	9AAE	US postal code is invalid or Data provided when field is not applicable or Data provided was of the incorrect type
GADC	Origination Entity	9AAO	ISO country code is invalid
GADE	Destination Entity	9AA5	Field is equal to spaces
GADE	Destination Entity	9AAE	US postal code is invalid or Data provided when field is not applicable or Data provided was of the incorrect type
GADE	Destination Entity	9AAO	ISO country code is invalid

MMI Error Codes (Page 6 of 6)			
Field Code	Field Name	Error Code	Description
GADF	Storage Entity	9AA5	Field is equal to spaces
GADF	Storage Entity	9AAE	US postal code is invalid or Data provided when field is not applicable or Data provided was of the incorrect type
GADF	Storage Entity	9AAO	ISO country code is invalid
HAAE	Drawer Name	9AA5	Drawer Name is equal to spaces
HAAF	Letter of Credit Bank Name	9AA5	Field is equal to spaces and Letter of Credit Bank Number was entered
HAEB	Bank on Which Drawn	9AA5	Field is equal to spaces
HAEC	Tenor Text	9AA5	Field is equal to spaces
HAEC	Tenor Text	9AAE	Provided text does not comply with standard text options or Provided date is invalid or Calculated tenor date not equal to draft maturity date
HAED	Commodity Name	9AA5	Field is equal to spaces
ZZZZ	Error In Calling Internal Module	9999	Program/System error; call DTC Support

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