



CCF/CCF-II/MDH Transmission Guides

DTCC Paying Agent Money Market (PAM1/5), CCF-II and MDH: Function User's Guide



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DTCC Paying Agent Money Market Instruction (PAM1/PAM5) via CCF, CCF-II and MDH: Function User's Guide

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1. Objectives of This Chapter

The objectives of this chapter are to:

- Describe the purpose of DTCC’s Paying Agent Money Market file
- Provide specifics of the required detail input record.

2. Overview

This document describes how MMI paying agents can use the Interface Control Management (ICM) process to transmit payment rate and factor information to DTCC’s Announcement system, thereby reducing manual intervention. Please note that even though the function is available, until 5:45 PM on weekdays, the information intended for the current settlement date must be received by DTCC by 3PM in order to be reflected in that day’s settlement. This rule does not apply to future settlement dates.

This function is available over CCF, CCF-II and MDH. This is a combined User Guide for both CCF and MDH. It is recommended that agents familiarize themselves with the DTCC document *Interface Control Management CCF, CCF-II and MDH User's Guide for Transaction Input*. This ICM document describes new standards for transaction processing using DTCC's automated systems, including specifics relating to operation, error processing and recovery for CCF, CCF-II and MDH transmissions.

2.1 Function Names and Available Times

The transmission mode utilized will be CCF/MDH, FTP and Connect-Direct (formerly known as NDM, Network Data Movers):

CCF/MDH allows Participants or service providers to interact directly with DTCC via their IBM Mainframes

Connect-Direct is vendor-supplied software (Sterling Commerce) that enables connections to be made between DTCC, other mainframe, mini-computers and PCs using diverse operating systems.

FTP is part of CCF (Computer to Computer Facility) family of software and extends file exchange capabilities to PCs, microcomputers and minicomputers.

The function names and available times associated with each interface are as follows:

Interface	Function name	Available from	Available to
MDH	PAM1	0600	1745
CCF	PAM5	0600	1745
CCF-II	PAM5	0600	1745



3. Paying Agent Money Market Instruction File Detail Input Record

The input record for the Paying Agent Money Market Instruction record is defined below. This record contains a Transaction Header (positions 1 through 26) and application detail data and has a record length of 475 bytes. Users of the MDH interface can enter up to 10 records per input block.

Position	Length	Format	Field Name	Transaction Header
Positions 1 through 26: Transaction Header				
1	1	Character	Feedback Indicator	Leave blank on input On output, indicates whether any errors were encountered during processing
2	1	Character	Production/Test Indicator	(Required) indicator of whether the transaction is to be processed in the Test or Production environment. P = Production T = Test.
3	6	Character	Record Type	Value 'PAMINS'
9	2	Numeric	Record Suffix	Indicates the Record # on single and multiple data records within a transaction. Default is "01" for this application.
11	2	Numeric	Version Number	Used to indicate which version (for example, 'latest' or 'previous' format) the data is in. Default is "01" for this application.
13	6	Character	User Reference Number	(Optional) used by transmitting party to uniquely identify the transaction
19	8	Character	Addressee	For numeric IDs: 8-digit identifier of the entity on behalf of whom the transaction is being processed; right aligned, zero filled For non-full numeric addressees: <i>Mnnnnnnnn or Nnnnnnnnn</i>



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Position	Length	Format	Field Name	Paying Agent Money Market Instruction Input Record Description
Positions 27 through 478: Paying Agent Money Market Instruction Input Record				
27	8	Character	Paying Agent Number	Required.
35	12	Character	CUSIP	Required. Format: 2 spaces, 9 digit CUSIP, 1 space
47	8	Numeric	Actual Payment Date	Required. The date on which the issue will pay income and/or principal. Format: CCYYMMDD.
55	8	Numeric	Replace Actual Payment Date	Required. This date will replace the current Actual Payment Date. Must be a DTC settlement date. **NOTE** The specific purpose of this field is to initiate the replace process. Subsequent individual fields that contain data will automatically be used for update purposes. Format: CCYYMMDD.
63	8	Numeric	Targeted Payment Date	Required. The date on which the issue is targeted to pay income and/or principal. Format: CCYYMMDD.
71	25	Character	Contact Name	The name of the contact at the Paying Agent's office
96	20	Character	Contact Phone	The phone number of the contact at the Paying Agent's office. Format: xxx-xxx-xxxx
116	13	Numeric	Income Amount	Income Amount per \$1,000 or per share. The amount of income to be paid on the actual payment date. Does not apply to fixed rate U.S. dollar denomination issues. Format: 9(7)v9(6)
129	9	Numeric	Income Annual Percentage Rate	The annual rate of income. Will be accepted for variable rate issues only. Format: 9(3)v9(6) Default: SPACES
138	144	Character	Income Formula Text	Text field containing a description of how the rate is calculated Will be accepted for variable rate issues only.
282	13	Numeric	Income Currency Conversion Rate	The rate used to convert foreign currency to U.S. dollars. This rate is required for foreign currency denominated issues. Format: 9(7)v9(6) Default: SPACES



Position	Length	Format	Field Name	Paying Agent Money Market Instruction Input Record Description
295	13	Numeric	Principal Amount per \$1000 or per share	The amount of principal to be paid on actual payment date. Format: 9(7)v9(6) Default: SPACES
308	1	Character	Principal Last Payment Indicator	Will determine if a periodic principal payment is the last principal payment. Valid value is "Y" or "N".
309	13	Numeric	Principal Pay Down Factor	A factor used to determine the amount of principal to be re-paid. Format: 9(1)v9(12) Default: SPACES
322	13	Numeric	Principal Currency Conversion Rate	The rate used to convert foreign currency to U.S. dollars. This rate is required for foreign currency denominated issues. Format: 9(7)v9(6) Default: SPACES
335	144	Character	Principal Formula Text	Text field containing a description of how the rate is calculated Will be accepted only for periodic principal payments and indexed principal at maturity.



3.1 CCF and CCF-II Transmission Trailer Record (“TLR”)

The Trailer Record must be the last record of each CCF-II transmission.

Position	Length	Format	Field Name	Summary Total Field Description (Part 3 of x)
1	1	Character	Feedback Indicator	Leave blank on input. On output, indicates whether any errors were encountered during processing.
2	1	Character	Test/Production Indicator	Identifies the transaction as an actual production transaction or a test transaction: P = Production T = Test.
3	6	Character	Record Type	‘TRAILR’
9	2	Numeric	Record Suffix	Indicates the Record # on single and multiple data records within a transaction. . Default is “01” for this application
11	2	Numeric	Version Number	Version number that defines the record format. . Default is “01” for this application
13	6	Character	User Reference Number	(Optional) Used by transmitting party to uniquely identify the transaction. Code spaces
19	8	Character	Addressee	For numeric IDs: 8-digit identifier of the entity on behalf of which the transaction is being processed; right aligned, zero filled For non-full numeric addressees: <i>Mnnnnnnn or Nnnnnnnn</i> .
27	7	Numeric	Total Record Count	The total record count for all Data Records in this transmission. The total excludes the Trailer Record and must equal the DTC-calculated total record count.
34	13	Numeric	Total Quantity Amount	The total quantity amount for all Data Records in this transmission. Must equal the DTC-calculated total quantity amount, or zero if not applicable. Not applicable here
47	15	Numeric	Total Dollar Amount	The total dollar amount for all Data Records in this transmission. Must equal the DTC-calculated total dollar amount, or zero if not applicable. Not applicable here
62	417	Character		For DTCC Use only.



4. Error Conditions

In the case of errors that occur during processing, the following occurs:

- CCF/CCF-II Users receive their input record with 40 bytes of errors appended to the end of the record
- MDH users receive a 40-byte area for errors in their 06 return block.

The following table lists errors that can be received during the edit of a Paying Agent Money Market Instruction transaction. This error list describes both the Field Identifier and the Error Code. These codes are defined in the DTF files: ICMFLD for Field Identifiers, ICMERR for Error Codes.

Note: Refer to the Interface Control Management document for specifics relating to the way errors are returned to your system.

Field Code	Message Code	Description
9AAA	9ABD	NO UPDATE REQUESTED
AAAB	9AAA	INVALID RECORD TYPE
BAA8	0490	BAD GENCALL TO DATE RTN / ACTUAL PAY DT
BAA8	0500	NG RETURN-CODE FOR DATE RTN/ ACT PAY DT
BAA8	0660	BAD GENCALL TO DATE RTN / ACT-PAY-DT-RE
BAA8	9AAJ	ACT-PAY-DATE PAYABLE WITHIN 20 DAYS
BAA8	9AAJ	ACT-PAY-DT-REP NOT A VALID CALENDAR DAT
BAA8	9AAJ	ACT-PAY-DT-REP WITHIN 20 DAYS OF COBDAT
BAA8	9AAJ	INVALID DATE - ACTUAL PAYMENT DATE
BAA8	9AAJ	INVALID DATE - ACTUAL PAYMENT DATE REPL
BAA8	9AAJ	NG RET-CODE FOR DATE RTN /ACT PAY DT RE
BAA8	9ABE	ACTUAL PAYMENT DATE REQUIRED
BAA8	9ABF	ACT-PAY-DATE-REP INVALID DTC SETTLE DAT
BAA9	9AAA	INVALID DATE - TARGETED PAYMENT DATE
BAA9	9AAA	TAR-PAY-DT FOR FINAL PAYMENT INVALID
BAA9	9AAF	TARGETED PAYMENT DATE NOT NUMERIC
BAA9	9AAJ	INVALID DATE - TARGETED PAYMENT DATE
BAA9	9AAJ	TAR-PAY-DT WITHIN 20 DAYS
CAAK	0040	PAYING AGENT HAS NO POSITION FOR CUSIP
CAAK	9AAA	INVALID PAYING AGENT NUMBER
DAAB	0520	ATP POSITION NOT FOUND
DAAB	0560	RECORD DATE POSITION IS ZERO
DAAB	0570	RECORD DATE POSTION NOT FOUND
DAAF	9AAF	PRINCIPAL AMOUNT NOT NUMERIC
DAAF	9ABG	INCOME AMOUNT PER THOU NOT UPDATEABLE
DAAF	9ABG	PRINCIPAL AMOUNT MAY NOT BE UPDATED



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Field Code	Message Code	Description
DAAF	9ABG	PRINCIPAL AMOUNT PER THOU NOT UPDATEABL
DAAY	9AAF	INCOME AMOUNT PER \$1,000 NOT NUMERIC
DAAY	9ABG	INC-AMT CANNOT BE UPDATED FOR FIXED RAT
EAAE	9ABG	LAST PAYMENT INDICATOR NOT UPDATEABLE
EAAE	9ABG	PRN-LAST-PAY-IND MAY NOT BE UPDATED
EAAF	9AAA	PRN-LAST-PAY-IND IS INVALID (NOT Y OR N
FAAG	9AAA	INC-ANNL-PER-RATE INVALID FOR FIXED RAT
FAAG	9AAF	INC ANNUAL PERCENTAGE RATE NOT NUMERIC
FAAH	9AAF	INC-CURRENCY-CONV-RATE NOT NUMERIC
FAAH	9ABG	INC ANNUAL PRECENT RATE NOT UPDATEABLE
FAAH	9ABG	INC CURR CONV RATE NOT UPDATEABLE
FAAH	9ABG	PRINCIPAL PAYDOWN FACTOR NOT UPDATEABLE
FAAH	9ABI	INC-CURR-CONV-RATE NG FOR NONFOREIGN IS
FAAH	9ABI	INCOME CURRENCY CONVERSION RATE REQUIRE
FAAI	9AAF	PRN-CURR-CONV-RATE NOT NUMERIC
FAAI	9ABE	PRN-CURR-CONV-RATE REQUIRED
FAAI	9ABG	PRINCIPAL EXCHANGE RATE NOT UPDATEABLE
FAAI	9ABG	PRN-CURR-CONV-RATE MAY NOT BE CHANGED
FAAI	9ABG	PRN-CURR-CONV-RATE MAY NOT BE UPDATED
FAAI	9ABI	PRN-CURR-CONV-RATE ONLY FOR FOREIGN CUR
FAAJ	0830	WARNING: PRINCIPAL PAYDOWN FACTOR NEEDE
FAAJ	9AAF	PRINCIPAL PAYDOWN FACTOR NOT NUMERIC
FAAJ	9AAH	PRN-PAYDOWN-FACT MUST > 0 FOR PERIODIC
FAAJ	9ABG	PRN-PAYDOWN-FACTOR MAY NOT BE UPDATED
FAAJ	9ABH	PRN-PAYDOWN-FACT CAN NOT BE > 1
FAAJ	MAAP	PRINCIPAL PAYDOWN FACTOR MUST = 0 AT MA
GAAA	9AAA	INVALID CUSIP
GAAA	9AAN	CUSIP NOT ELIGIBLE MMI
GAAA	9ABB	NO ANNOUNCEMENT FOUND FOR CUSIP/ACT-PAY
GAB5	9AAA	INC-FORMULA-TYPE INVALID FOR FIXED RATE
GAB5	9ABG	PRN-FURMULA-TYPE MAY NOT BE UPDATED
GAB8	9ABG	INCOME FORMULA TYPE NOT UPDATEABLE
GABI	9ABG	PRINCIPAL FORMULA TYPE NOT UPDATEABLE
HAAH	9ABE	CONTACT NAME REQUIRED
HAAH	9ABE	CONTACT PHONE REQUIRED
JAAA	0440	INVALID ICSE FUNCTION NAME
JAAA	0460	CUTOFF INVALID TIME
JAAA	0470	CUTOFF INVALID FUNCTION
JAAA	9AAL	PAST CUTOFF TIME



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Field Code	Message Code	Description
JAAA	9ABJ	CUTOFF QUIESCE
JAAB	9AB8	MFC DATA NOT FOUND IN DBSEC12
JAAC	0480	MASTER TABLE LOOKUP ERROR / PAYING AGEN