



CCF/CCF-II/MDH Transmission Guides

9.12 Interactive REORG PUTS Processing ICM Input Processing And Output Messaging Guide Via CCF, CCF-II and MDH: RPP1 and RPP5 Function User's Guide



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9.12 RPP1/RPP5: Function User's Guide

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1. Objectives of This Chapter

This document describes how Participants can use CCF, CCF-II and MDH for submitting Put Bond Voluntary Offering Instructions to DTC.

This is a combined user guide for both CCF and MDH. Participants should familiarize themselves with the DTC documents "INTERFACE CONTROL MANAGEMENT CCF, CCF-II and MDH USER'S GUIDE for Transaction Input" and "INTERFACE CONTROL MANAGEMENT CCF, CCF-II and MDH GENERAL FUNCTION USER'S GUIDE for MESSAGING Output." These ICM documents describe new standards for transaction processing using DTC's automated systems. Specifics relating to the operation, error processing and recovery for CCF, CCF-II and MDH transmissions are addressed in the ICM documents.

2. The RPP1 and RPP5 Function: Overview

The **RPP1 and RPP5** functions enable Participants to transmit subscription instructions to DTC to:

1. Submit a Voluntary Offering Instruction for an active put bond.

The valid activity types for put bonds are as follows :

| | |
|-------|----------------------------------|
| '55' | Relinquishment |
| '55B' | Relinquishment - Book Entry |
| '58' | Repayment |
| '58B' | Repayment - Book Entry |
| '62' | Mortgage Backed Put |
| '62B' | Mortgage Backed Put - Book Entry |
| '65B' | Retainment - Book Entry |
| '65R' | Retainment |

The Participant may perform the following:

Voluntary Offering Instruction (referred to as a VOI): this allows the Participant to submit shares on the contra cusip for an active put bond.



2.1 Holiday Processing

The RPP1 and RPP5 functions will process on holidays as follows :

1 - ALL CLOSED - Banks, Exchange and DTC closed : (New Years Day, Presidents Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, and Christmas Day)

The RPP1 and RPP5 functions will not be available.

2 - Banks Closed, Exchange Open and DTC Open (Columbus Day, Veterans Day)

The RPP1 and RPP5 functions will be available.

3 - Banks Open, DTC Open, Exchange Closed (Good Friday)

The RPP1 and RPP5 functions will be available.

4 - Exchange Open, Banks and DTC Closed (Martin Luther King Day)

The RPP1 and RPP5 functions will not be available.

2.2 Availability

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

A. Before the expiration date of the offering:

1. MDH - RPP1 --> available between 0600 : 1200
2. CCF - RPP5 --> available between 0600 : 1200
3. CFII - RPP5 --> available between 0600 : 1200

B. On the expiration date of the offering:

1. MDH - RPP1 --> available between 0600 : 1200
2. CCF - RPP5 --> available between 0600 : 1200
3. CFII - RPP5 --> available between 0600 : 1200

Response Time For Reject and Output Messages

The expected waiting time between submitting a transaction and receiving a response for both rejected and accepted transactions is 15 minutes.



3. File Specifications

3.1 Password Record Format

The Password Record consists of a single record describing the signon-ID and password as shown below.

| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|-------------------|---|
| 1 | 3 | Character | Record Identifier | Record Identifier (ALWAYS 'PSW'). |
| 4 | 6 | Character | Signon ID | Participant Signon ID. Left justified, blank filled. |
| 10 | 6 | Character | Password | Data Encryption Password assigned by DTC. This password does not change with each function. |
| 16 | 6 | Character | Activity Type | Activity type |
| 22 | 3 | Numeric | Tran-id | Transmission ID. Non-zero value; zero filled. |
| 25 | 4 | Numeric | Filler | Filler. Must be zero; filled. |
| 29 | 52 | Character | Filler | Filler. Not used. |

Figure 4. Password Record (User Transmits to DTC)

4. Input Record Types

Each Mortgage Backed Puts transaction (activity types "62 " and "62B") consists of at least 2 records, as they are broken down by customer. These records are as follows :

1. Detail record
2. Customer record(s) (at least 1, maximum of 12)

All other Puts transactions will consist of 1 detail record.

The input records are defined below. Each record contains a transaction header and application detail data.

Note: For MDH, the number of records entered per input block is dependent on the number of customers per transaction. (e.g.) A block can contain 2 transactions where each transaction has 12 customers. A block can contain 8 transactions where each transaction has 1 customer.



4.1 Output Record Types

There are two different output record layouts. The "Reorg Puts Output Message" will contain all transactions which were processed by our system. Participants will receive made, dropped, and pending items. Any items with a processing error will be marked with an error code.

The "Reorg Puts Back End reject" record will contain errors which must be corrected before the transactions can be processed. For any item which has errors, this record will be sent in addition to the "Reorg Puts Output Message." The **Transaction header** is prefixed to every application record. The following defines the layout of the header.

This is the universal 26-byte segment which must be attached to the front of each application data record and trailer Record: **Note:** STANDARD TRANSACTION HEADER FOR CCF, CCF-II AND MDH

| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|-------------------------------|---|
| 1 | 1 | Character | Feedback Indicator | <u>This field is to be left blank on input.</u> For output, used to indicate type of message and to determine if any errors were encountered during processing. '*' output message '?' back end reject |
| 2 | 1 | Character | Test/ Production Indicator | Used to indicate whether the transaction is to be processed in the "Test" or "Production" environment. This is a required field. T = Test P = Production |
| 3 | 6 | Character | Record Type | 'RPPDTL' for Application Detail Input Record 'RPPCST' for Application Customer Input Record 'RPPOUT' for Application Output Record |
| 9 | 2 | Numeric | Record Suffix | 01 |
| 11 | 2 | Numeric | Version Number | 01 |
| 13 | 6 | Character | User Reference number | For input: Used by transmitting party to uniquely identify the transaction (optional). For output: DTC Use Only |
| 19 | 8 | Character | Addressee | The entity on behalf of whom the transaction is being processed. Right justified left zero filled for full numeric addressees or Mnnnnnnn for non-full numeric addressees. |



4.2 Interactive Puts Application Detail Record - Length 114

| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|-----------------------------|---|
| 1 | 26 | | Transaction Header | Standard Transaction Header. |
| 27 | 3 | Character | Envelope Activity Code | Required. '55' = Relinquishment '55B' = Relinquishment - Book Entry '58' = Repayment '58B' = Repayment - Book Entry '62' = Mortgage Backed Put '62B' = Mortgage Backed - Book Entry '65B' = Retainment - Book Entry '65R' = Retainment |
| 30 | 12 | Character | Put Target Cusip ID | Required. |
| 42 | 3 | Numeric | Envelope Sequence number | Required. |
| 45 | 8 | Numeric | Participant number | Required. Right justified left zero fill. |
| 53 | 7 | Numeric | Transaction Sequence number | Unique identifier for each control record. Required. Starts at 1. Add 1 to get sequence number for next control record. |
| 60 | 7 | Numeric | Customer Sequence number | Unique identifier for each customer in a transaction. Required. 0000000 |
| 67 | 1 | Character | Transaction Type | Required. 'V' for VOI Instruction |
| 68 | 9 | Numeric | Transaction Quantity | Share total submitted for all Function Types. Right justified left zero fill 999999999 Note: This system allows only a maximum of 9 digits. |



| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|----------------------|---|
| 77 | 20 | Character | Contact name | The Participant contact. Required. Free format. |
| 97 | 10 | Numeric | Contact phone number | The Participant phone number. Required. 9999999999 |
| 107 | 8 | Numeric | Entry Date | Date the transaction was submitted in CCYYMMDD format. Required. 99999999 |

4.3 Interactive Puts Customer Record - Length 125

| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|------------------------------|--|
| 26 | 1 | Character | Transaction Header | Standard Transaction Header |
| 27 | 3 | Character | Reorg activity code for puts | Required. '55' = Relinquishment '55B' = Relinquishment - Book Entry '58' = Repayment '58B' = Repayment - Book Entry '62' = Mortgage Backed Put '62B' = Mortgage Backed - Book Entry '65B' = Retainment - Book Entry '65R' = Retainment |
| 30 | 12 | Character | Puts CUSIP Id | Required. |
| 42 | 3 | Numeric | Envelope Sequence number | Required. |
| 45 | 8 | Numeric | Participant number | Required. Right justified left zero fill |



| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|-----------------------------|--|
| 53 | 7 | Numeric | Transaction Sequence number | Transaction sequence number of corresponding control record. (Record type = 'RPPDTL') Required. |
| 60 | 7 | Numeric | Customer Sequence number | Unique identifier for each customer in a transaction. if the customer is the last (or only) customer for the transaction, the sequence should have the value 9999900 added to it. Required. 0000001 -0000012 9999901 -9999912 |
| 67 | 30 | Character | Customer id | The customer involved in the transaction. Required. Free format. |
| 97 | 20 | Character | Customer comment | Customer description. Optional (may be spaces). Free format. |
| 117 | 9 | Numeric | Customer quantity | The quantity for that customer. Required. |



4.4 CCF And CCF-II Transmission Trailer Record ("TLR")

The Trailer Record is Required, as the LAST record of each CCF-II transmission. The Trailer Record is described in the table below. **Note:** If this record is rejected due to invalid format or because the totals do not match what we calculated, it will be returned with the 40-byte Error Message Area appended to the end.

| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|-----------------------|---|
| 1 | 1 | Character | Feedback Indicator | TRANSACTION HEADER (Refer to section 4.1) <- TRAILR or the name specified in the application's documentation (1). |
| 2 | 1 | Character | Test/Prod Indicator | |
| 3 | 6 | Character | Record Type | |
| 9 | 2 | Numeric | Record suffix | |
| 11 | 2 | Numeric | Version number | |
| 13 | 6 | Character | User Reference number | |
| 19 | 8 | Character | Addressee | |
| 27 | 7 | Numeric | Total Record | The total number of Data records in this transmission. This total excludes the Trailer record, and must equal the DTC-calculated total record count. |
| 34 | 13 | Numeric | Total Quantity Amount | The total quantity amount in all the Data records in this transmission. Must equal the DTC-calculated total quantity amount, or zero if not applicable. |
| 47 | 15 | Numeric | Total Dollar Amount | The total Dollar amount in all the Data records in this transmission. Must equal the DTC-calculated total dollar amount, or zero if not applicable. |



| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|------------|---|
| 62 | 20 | Character | Filler | Value Spaces. "nn" is the ending position of the data record being transmitted. |

4.5 CCF And CCF-II Summary Total Record (Exhibit E)

A single, computer-readable Summary Total record will always be the first record in DTC's Response File. It contains information about the entire transmission.

The total length of the record depends upon the CCF Function. The format of the Summary Total record appears below.

| Position | Length | Format | Field Name | Field Description |
|----------|--------|------------|-----------------------|---|
| 1 | 1 | Character | Feedback Indicator | TRANSACTION HEADER (refer to section 4.1) <-CCFSUM |
| 2 | 1 | Character | Test/Prod Indicator | |
| 3 | 6 | Character | Record Type | |
| 9 | 2 | Numeric | Record Suffix | |
| 11 | 2 | Numeric | Version number | |
| 13 | 6 | Characters | User Reference number | |
| 19 | 8 | Characters | Addressee | |
| 27 | 7 | Numeric | Total Valid Records | Total number of valid (error free) records received by DTC, including the (valid) trailer record. |



| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|-----------------------------|---|
| 34 | 7 | Numeric | Total Invalid Records | Total number of invalid (erroneous) records received by DTC, including the (invalid) trailer record. |
| 41 | 13 | Numeric | Total Valid Quantity | Total quantity for all valid transactions received. |
| 54 | 13 | Numeric | Total Invalid Quantity | Total quantity for all invalid transactions received. |
| 67 | 15 | Numeric | Total Valid Dollar Amount | Total dollar amount for all valid transactions received. This field has 2 implied decimal places. |
| 82 | 15 | Numeric | Total Invalid Dollar Amount | Total dollar amount for all invalid transactions received. This field has 2 implied decimal places. |
| 97 | 4 | Numeric | Transmission Number | The user assigned number identifying the transmission. |
| 101 | 4 | Character | Function Name | Function Name |
| 105 | 1 | Character | Transmission Response Code | Blank or the reason the entire transmission was rejected. The following codes may appear: T = Trailer record missing. P = Past Function Cutoff Time. E = More than 100 contiguous rejected transaction records X = Rejected records to follow |
| 106 | 8 | Character | Transmission Date | Date data transmitted (MM/DD/YY). |
| 114 | 8 | Character | Transmission Time | Time data transmitted (HH:MM:SS). |



4.6 CCF-II Transmission Error Record ('CF2ERR')

| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|---------------------------|---------------------------------------|
| 1 | 1 | Character | Feedback Indicator | "?" indicating an error has occurred. |
| 2 | 1 | Character | Test/Production Indicator | Values: "T", "P" or blank. |
| 3 | 6 | Character | Record Type | CF2ERR |
| 9 | 2 | Numeric | Record Suffix | |
| 11 | 2 | Numeric | Version number | |
| 13 | 6 | Character | User Reference number | |
| 19 | 8 | Character | Addressee | |
| 27 | 8 | Character | Sign-on ID | User ID that signed onto the system. |
| 35 | 6 | Character | Transmission Date | MMDDYY |
| 41 | 6 | Character | Function | Input function type (left justified). |
| 47 | 4 | Numeric | Transmission ID | Input Transmission ID. |
| 51 | 3 | Numeric | Error Code | The code identifying the error. |
| 54 | 6 | Character | Transmission Start Time | The time the transmission began. |
| 60 | 6 | Character | Transmission End Time | The time the transmission ended. |



| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|---------------|---|
| 66 | 30 | Character | Error Message | The English description of the error that occurred (as much as it fits in the record)** Dependent on return record length.** |

4.7 Reorg Puts Processing Output Message Record - 300 Bytes

| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|--------------------------|--|
| 1 | 26 | | Transaction Header | Standard Transaction Header . |
| 27 | 3 | Character | Envelope activity code | Required. 55 ' = Relinquishment '55B' = Relinquishment - Book Entry '58 ' = Repayment '58B' = Repayment - Book Entry '62 ' = Mortgage Backed Put '62B' = Mortgage Backed - Book Entry '65B' = Retainment - Book Entry '65R' = Retainment |
| 30 | 12 | Character | Put Target Cusip ID | Required. |
| 42 | 3 | Numeric | Envelope Sequence number | Required. |
| 45 | 8 | Numeric | Participant number | Required. Right justified left zero fill. |



| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|-----------------------------|---|
| 53 | 7 | Numeric | Transaction sequence number | Unique identifier for each control record. Required. Starts at 1. Add 1 to get sequence number for next control record. |
| 60 | 7 | Numeric | Customer sequence number | Unique identifier for each customer in a transaction. Required. 0000000 for RPPDTL. |
| 67 | 1 | Character | Transaction Type | Required. 'V' for VOI Instruction |
| 68 | 9 | Numeric | Transaction Quantity | Share total submitted for all Function Types. Right justified left zero fill . 999999999 Note: This system allows only a maximum of 9 digits |
| 77 | 20 | Character | Contact name | The Participant contact. Required. Free format. |
| 97 | 10 | Numeric | Contact phone number | The Participant phone number. Required. 9999999999 |
| 107 | 8 | Numeric | Entry Date | Date the transaction was submitted in CCYYMMDD format. Required. 99999999 |
| 115 | 11 | Character | Filler | Not Used. Spaces |



| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|---------------------------------|---|
| 126 | 14 | Character | Transaction Number (VOI Number) | Identifies transaction. Required. |
| 140 | 9 | Numeric | ATP RBN Number | RBNnumber Format: 999999-99 Required. |
| 149 | 20 | Character | Put Target Cusip Description | Required. |
| 169 | 12 | Character | Put Contra Cusip ID | Required. |
| 181 | 20 | Character | Put Contra Cusip Description | Required. |
| 201 | 12 | Character | Put New Cusip ID | Required. for activity types '55 ' and '55B'. Space for other activities. |
| 213 | 20 | Character | Put New Cusip Description | Required. for activity types '55 ' and '55B'. Space for other activities. |
| 233 | 10 | Character | Participant Name | Required. |
| 243 | 8 | Character | Agent Id | Required. |
| 251 | 1 | Character | Status | Results of the transaction. Required. 'R' = Recycling 'M' = Made 'D' = Dropped 'E' = Edit Reject |



| Position | Length | Format | Field Name | Field Description |
|----------|--------|-----------|-------------------------|---|
| 252 | 26 | Character | Timestamp | Date and Time the message was created: Required. CCYY-MM-DD-HH.II.SS.TTTTTT where: CC = Century YY = Year MM = Month DD = Day HH = Hour II = Minute SS = Second TTTTTT = microseconds |
| 278 | 1 | Character | Output Indicator | Not used. Spaces. |
| 279 | 1 | Character | Output Reject Indicator | Indicates if the transaction has any errors '0' = no errors '1' = one error '2' = multiple error '3' = severe processing error Required. |
| 280 | 8 | Character | Reject Code | ICM error code of the last error (if more than one) for the transaction. Space if no errors. |
| 288 | 13 | Character | Filler | Not used. Spaces. |



4.8 Reorg Puts Processing Back End Rejects - Length 300

| Position | Lenght | Format | Field Name | Field Description |
|---|--------|-----------|--------------------------|---|
| 1 | 26 | | Transaction Header | Standard Transaction Header |
| <i>The following 2 fields occur 7 times per transaction. Each occurrence contains 15 characters. Positions 27 - 131</i> | | | | |
| | 7 | Numeric | Reject Customer Sequence | The customer sequence number of the record in error. 0000000 - 0000012 |
| | 8 | Character | Error Code | ICM Error code. |
| 132 | 156 | Character | Free Text | Free form text. |
| 288 | 8 | Character | Agent Id | Required. |
| 296 | 3 | Character | Participant ID | Required. |
| 299 | 1 | Character | Filler | Not used. Spaces. |



5. List of Error Codes for ICM Input Function

| LIST OF ERROR CODES FOR ICM INPUT FUNCTION | |
|--|---|
| 101 | DTC APPLICATION ERROR: CONTACT DTC |
| 103 | INVALID SIGNON |
| 104 | USER ALREADY LOGGED ON |
| 105 | INVALID PASSWORD |
| 107 | INVALID FUNCTION - NOT CCF FUNCTION |
| 108 | USER NOT ELIGIBLE FOR CCF FUNCTION |
| 109 | FUNCTION NOT AVAILABLE |
| 110 | CCF FUNCTION TEMPORARILY UNAVAILABLE - QUIESCED |
| 111 | DUPLICATE TRANID |
| 112 | INVALID RECORD LENGTH USED FOR FUNCTION REQUESTED |
| 113 | FUNCTION UNAVAILABLE - FILES MAY BE UNAVAILABLE |
| 121 | INVALID RECORD LENGTH USED FOR FUNCTION REQUESTED |
| 123 | SYNTAX ERROR IN THE REQUEST |
| 124 | LOGICAL ERROR IN THE REQUEST |
| 224 | PART ID DOES NOT MATCH SIGN ON IN THE PASSWORD RECORD |
| 230 | INVALID FORMAT OF PASSWORD RECORD |
| 240 | INVALID FORMAT OF SIGNON OR TRAN ID IN PASSWORD RECORD |
| 334 | FUNCTION REQUESTED DOES NOT MATCH FUNCTION IUN PASSWORD RECORD |
| 340 | INVALID LENGTH OF LRECL PARM |
| 350 | LRECL IS NOT NUMERIC |



| LIST OF ERROR CODES FOR ICM INPUT FUNCTION | |
|---|---|
| 360 | LRECL IS ZERO |
| 370 | LRECL < 125 (SUMMARY RECORD) LRECL MUST BE EQUAL TO OR GREATER THAN SUMMARY RECORD |
| 390 | INPUT LRECL LENGTH IS ZERO FOR RJE |
| 720 | INPUT FILE IS COMPATIBLE FOR RJE INPUT |
| 820 | INPUT FILE EMPTY |
| 900 | DTC INTERNAL ERROR - CONTACT DTC |
| 902 | ERROR WITH CALL TO CCF USER - CONTACT DTC |
| 903 | CCF2 REBLOCK PROBLEM FOR RJE USERS |
| 904 | OUTPUT FILE INCOMPATIBLE FOR RJE USERS |



6. Error Conditions

If any errors 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 describes the errors that can be received during the edit of a put bond 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. Format for error message should be table such as:

| ERROR DESCRIPTION | FIELD CODE | ERROR MESSAGE CODE |
|--|------------|--------------------|
| Transaction Header Record Type invalid. Must be 'RPPDTL' or 'RPPCST' | AAAB | 9AAE |
| Duplicate Transaction Sequence number | GACB | 9AA6 |
| Transaction Sequence number not numeric | GACB | 9AAF |
| Transaction Sequence number missing | GACB | 9ABD |
| Customer Sequence number must be '0000000' | GACC | 9ACG |
| Customer Sequence number must be between 1 and 12 or 9999901 and 9999912 | GACC | 9AAA |
| Customer Sequence number missing | GACC | 9ABD |
| Customer Sequence number must be numeric | GACC | 9AAE |
| Customer Sequence number Must be "0000000" for "RPPDTL" Rec | GACC | 9ACG |



| ERROR DESCRIPTION | FIELD CODE | ERROR MESSAGE CODE |
|--|-------------------|---------------------------|
| Duplicate Customer Sequence number | GACC | 9AA6 |
| Past cutoff time | JAAA | 9AAL |
| Cutoff time check failed | JAAA | 9ABK |
| Function quiesced | JAAA | 9ABJ |
| VOI submission not available at this time. Please check Put Bond expiration start and end dates and times. | GABN | 9AAM |
| Participant Number not numeric | CAAX | 9AAF |
| Participant Number not found after search | CAAX | 9AAT |
| Participant Number missing | CAAX | 9ABD |
| Participant is globally locked | CAAX | 9ACK |
| Participant not DTC Eligible | CAAX | 9AAN |
| Participant on customer record does not match participant on control record. | CAAX | 9ACH |
| Participant Number Check Not Available | CAAX | 9AAM |
| Put Target CUSIP Id is invalid | GAAA | 9AAA |
| Put Target CUSIP id not DTC eligible | GAAA | 9AAN |
| Put Target CUSIP Id missing | GAAA | 9ABD |
| CUSIP in customer record does not match CUSIP in detail record. | GAAA | 9ACH |
| Envelope Sequence number not numeric | GABZ | 9AAF |
| Envelope Sequence number missing | GABZ | 9ABD |
| Envelope Sequence number in customer record does not match envelope sequence number in detail record | GABZ | 9ACH |



| ERROR DESCRIPTION | FIELD CODE | ERROR MESSAGE CODE |
|--|-------------------|---------------------------|
| Envelope activity code invalid. Must be '55 ', '55B', '58 ', '58B', '62 ', '62B', '65B', '65R' | GACA | 9AAE |
| Envelope activity code missing | GACA | 9ABD |
| Envelope Activity Code in customer record does not match envelope activity code in detail record | GACA | 9ACH |
| Key data (Put Bond) not found | GACD | 9ABB |
| Transaction Quantity not numeric | DABB | 9AAF |
| Transaction Quantity cannot be zero | DABB | 9AAH |
| Transaction Quantity not a multiple of transaction multiple | DABB | 9ACY |
| Transaction quantity less than transaction minimum | DABB | 9ACZ |
| Customer Quantities do not add up to total offer quantities | DABB | 9ACG |
| Transaction Quantity missing | DABB | 9ABD |
| Transaction Type is missing | GABN | GADB |
| Transaction Type invalid. Must be 'V' | GABN | 9ADC |
| Entry Date invalid | BABO | 9AAE |
| Entry Date not valid format | BABO | 9AAI |
| Entry Date missing | BABO | 9ABD |
| Entry Date must be less than or equal to current date | BABO | 9ABL |
| Problem with CALRTNE - Entry Date Check Not Available | BABO | 9AAM |
| Contact Name missing | HAAH | 9ABD |



| ERROR DESCRIPTION | FIELD CODE | ERROR MESSAGE CODE |
|---|-------------------|---------------------------|
| Contact Name not used with this function type | HAAH | 9ACJ |
| Contact Phone number not numeric | HAAI | 9AAF |
| Contact Phone number missing | HAAI | 9ABD |
| Contact Phone number not used with this function type | HAAI | 9ACJ |
| No 'RPPCST' records found for type '62 ' or '62B' | HADD | 9ADA |
| 'RPPCST' record invalid for this activity type | HADD | 9ADB |
| No 'RPPDTL' record type | JAAE | 9ABD |
| Customer quantity cannot be zero | DABB | 9AAH |
| Customer quantity not numeric | DABB | 9AAF |
| Customer Name missing | CABB | 9ABD |
| Participant has insufficient position | CAAX | 9ACP |
| Co-depository has insufficient position | CABU | 9ACP |
| Participant Eligibility Check on Master Table not Available | CAAX | 9ADC |
| Put CUSIP Check on Master Table Not Available | GAAA | 9ADC |
| Bond Check on Master Table Not Available | GACD | 9ADC |
| Offer Not Eligible for PUTS Function | GACD | 9ADD |
| Master Tables Not Available | JAAL | 9AAM |
| CUSIP IS DEPOSITORY DELIVER CHILLED | GAAA | 9AAX |
| CO-DEPOSITORY HAS INSUFFICIENT POSITION | CAAX | 9ACP |



| ERROR DESCRIPTION | FIELD CODE | ERROR MESSAGE CODE |
|---|-------------------|---------------------------|
| PARTICIPANT IS DO CHILLED | CAAA | 9AAX |
| PARTICIPANT HAS INSUFFICIENT POSITION | CAAX | 9ACP |
| CUSIP IS CHILLED | GAAA | 9ACN |
| CUSTOMER SEQUENCE NUMBER IS OUT OF SEQUENCE | GAAC | 9ABR |
| FUNCTION TYPE DOES NOT MATCH FUNCTION TYPE IN CONTROL RECORD | CAAX | 9ACT |
| PARTICIPANT DOES NOT MATCH PARTICIPANT ON PROTECT ID | GAAX | 9ACT |
| CUSIP DOES NOT MATCH CUSIP ON PROTECT ID | GAAX | 9ACT |
| ENVELOPE SEQUENCE NUMBER DOES NOT MATCH ENVELOPE SEQUENCE NUMBER ON PROTECT ID. | GABZ | 9ACT |



This is the end of the document