CCF/CCF-II/MDH Transmission Guides

# 9.05 Redemption Automated Receipts (RARS): Function User's Guide

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# 9.05 Redemption Automated Receipts (RARS): Function User's Guide

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# 1. Objectives of This Chapter

The objectives of this chapter are to give information about:

- DTC's Redemption Automated Receipt (RARS) System
- Transmission and Response Record formats
- DTC response to transmission errors

# 2. DTC Redemption Automated Receipt System (RARS): Overview

DTC's newly developed RARS enables users to transmit CUSIP-level details of bulk redemption payment wires sent to DTC's Redemptions bank account. Simultaneous transmission of the bulk wire and the RARS file early on the payable date satisfies DTC's eligibility requirement for monthly Redemption Agent rebate.

After receiving a Participant's input transmission, DTC then performs the following:

- Edits the input transmission file
- Responds with a Single Summary Total Record for the User's details
- Provides details of errors detected

## 2.1 RARS Transmission Modes

This User Guide describes the RARS application for all three transmission modes: CCF, CCF-II and MDH. Redemption Agents must familiarize themselves with the DTC document *Interface Control Management CCF, CCF-II and MDH User's Guide for Transaction Input*. That document describes standards for transaction processing using DTC's automated systems, including specifics relating to operation, error processing, and recovery.

## 2.2 Function Names and Availability Times

The function names associated with each interface are as follows:

- CCF RAR5
- CCF-II RAR5
- MDH RAR1

RARS functions are available from 6:00 a.m. through 8:00 p.m. (Eastern Time). However, transmissions received after 2:30 p.m are processed on the following day. For same day processing, transmissions must be received by 2:30 p.m.


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## 3. RARS Transactions

RARS transaction files consist of two records: a Detailed Data Record and a Transmission Trailer record. Each record is preceded by a common 26-byte record prefix (boxed in the record formats that follow) which identifies the record type.

- **Redemption Automated Receipt Detail Data Record.** The Detail Data Record contains information regarding each RARS transaction. The Data Record is mandatory for each RARS transmission. For the format of the Detail Data Record, see pages 4, 6 through 5.

- **Transmission Trailer Record.** The Trailer Record contains control information for all RARS details in the transmission and must be included as the last record of the RARS transmission. DTC verifies totals appearing in the Trailer Record. For the format of the Transmission Trailer Record, see page 7.


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# 4. RARS Transmission Data Record Formats

The following subsections describe the format required for each record.

## 4.1 RARS Transaction Data Record

The input record for RARS transactions contains a transaction header and application detail data and has a record length of 80. For MDH up to 10 records can be entered per input block. The transaction data record format is described in the following table.

**RARS Transaction Data Record–Format (Part 1 of 2)**

| Position | Length | Format | Field Name | Field Description |
|---|---|---|---|---|
| 1 | 1 | Character | Feedback Indicator | Leave blank (used in DTC output file to indicate whether errors were encountered during processing) |
| 2 | 1 | Character | Production/Test Indicator | Required<br>T Test<br>P Production |
| 3 | 6 | Character | Record Type | RARREC Data record |
| 9 | 2 | Numeric | Record Suffix | *nn* Number of records on single/multiple data records within a transaction |
| 11 | 2 | Numeric | Version Number | Indicator of data version; for example, "latest," "previous" |
| 13 | 6 | Character | User Reference Number | User's unique transaction identifier (optional) |
| 19 | 8 | Character | Addressee | Identifier of the entity on whose behalf the transaction is to be processed<br>*nnnnnnnn* 8-digit full numeric identifier (zero fill)<br>M*nnnnnnn* non-full numeric identifier |


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**RARS Transaction Data Record–Format (Part 2 of 2)**

| Position | Length | Format | Field Name | Field Description |
|---|---|---|---|---|
| 27 | 9 | Character | Bank ABA Number | 9-character bank identifier |
| 36 | 8 | Numeric | Pay Date | *ccyymmdd* Date on which the issue pays income and/or principal |
| 44 | 12 | Character | International CUSIP Number | 12-character security identifier Format: bbxxxxxxxxxb (b=blank, x=CUSIP number) |
| 56 | 15 | Numeric | Receipt Amount | 9(13)V99 Amount to be sent |
| 71 | 10 | Character | Filler | DTC use only; do not use. |


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## 4.2 RARS Batch Trailer Record

The trailer record is required as the last record for each set of CUSIPs per bank processed. The 80-character RARS "RARTLR" Transaction Trailer Record is described in the table below.

**RARS Batch Trailer Record–Format**

| Position | Length | Format | Field Name | Field Description |
|---|---|---|---|---|
| 1 | 1 | Character | Feedback Indicator | Leave blank (used in DTC output file to indicate whether errors were encountered during processing) |
| 2 | 1 | Character | Production/Test Indicator | Required<br>T Test<br>P Production |
| 3 | 6 | Character | Record Type | RARTLR Data trailer record |
| 9 | 2 | Numeric | Record Suffix | *nn* Number of records on single/multiple data records within a transaction |
| 11 | 2 | Numeric | Version Number | Indicator of data version; for example, "latest," "previous" |
| 13 | 6 | Character | User Refer-ence Number | User's unique transaction identifier (optional) |
| 19 | 8 | Character | Addressee | Identifier of the entity on whose behalf the transaction is to be processed<br>*nnnnnnnn* 8-digit full numeric identifier (zero fill)<br>M*nnnnnnn* non-full numeric identifier |
| 27 | 9 | Character | Bank ABA Number | 9-character bank identifier |
| 36 | 45 | Character | Filler | DTC use only; do not use. |


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## 4.3 RARS Transmission Trailer Record

the Trailer Record is required as the last record of each RARS transmission. The 80-character RARS Trailer Record is described in the table below.

**RARS Transmission Trailer Record–Format (Part 1 of 2)**

| Position | Length | Format | Field Name | Field Description |
|---|---|---|---|---|
| 1 | 1 | Character | Feedback Indicator | Leave blank (used in DTC output file to indicate whether errors were encountered during processing) |
| 2 | 1 | Character | Production/Test Indicator | Required<br>T Test<br>P Production |
| 3 | 6 | Character | Record Type | TRAILR Trailer Record |
| 9 | 2 | Numeric | Record Suffix | *nn* Number of records on single/multiple data records within a transaction |
| 11 | 2 | Numeric | Version Number | Indicator of data version; for example, "latest," "previous" |
| 13 | 6 | Character | User Reference Number | User's unique transaction identifier (optional) |
| 19 | 8 | Character | Addressee | Identifier of the entity on whose behalf the transaction is to be processed<br>*nnnnnnnn* 8-digit full numeric identifier (zero fill)<br>M*nnnnnnn* non-full numeric identifier |
| 27 | 7 | Numeric | Total Record Count | *nnnnnnn* Total number of data records in this RARS transmission, exclusive of the trailer records<br><br>**Note:** This must equal the DTC-calculated total record count. |


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**RARS Transmission Trailer Record–Format (Part 2 of 2)**

| Position | Length | Format | Field Name | Field Description |
|---|---|---|---|---|
| 34 | 13 | Numeric | Total Quantity Number | 9(13) Total Quantity amount in all the RARS data records to be received in this transmission (must equal the DTC-calculated total quantity amount, or zero if not applicable) |
| 47 | 15 | Numeric | Total Dollar Number | 9(13)V99 Total Dollar amount in all the RARS data records to be received in this transmission (must equal the DTC-calculated total dollar amount, or zero if not applicable) |
| 62 | 19 | Character | Filler | DTC use only; do not use. |


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## 5.0 RARS Response Record (Output): 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 RARS detail record. This error list describes both the Field Identifier and the Error Code. These codes are defined in the DTF files ICMFLD for Field Identifiers and ICMERR for Error Codes.

| RARS Response Record Error Conditions | | |
|---|---|---|
| **Error Description** | **Error Field Code** | **Error Message Code** |
| Invalid Record type | AAAA | 9AAA |
| Past Cutoff Time | AAAA | 9AAL |
| Cutoff Quiesce | JAAA | 9ABJ |
| Cutoff Invalid Time | JAAA | 0460 |
| Cutoff Invalid Function | JAAA | 0470 |


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