



## **CF2/MQ Transmission Guides**

# **8.27 Paperless Coupon Direct Presentation File (RAPCPN): Function User's Guide**

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## Document History

|          |   |
|----------|---|
| 04/26/04 | Create the initial versions of the RAPCPN document.   |
| 08/02/04 | Updated record layouts in Section 2.0   |
| 11/18/14 | <p>The following changes were made to bring the existing document up to current standards.</p> <p>Revised CCF Header Record description.</p> <p>Removed references to CCRDTFDB and added NDMDTFGP and NDMDTFSP.</p> <p>Revised CF2 Header and Trailer Records</p> <p>Changed CCF-II references to read CF2.</p> <p>Identified existing CF2 HDR and TRL Record Format as NDM specific.</p> <p>Corrected “TLR” in Field Description (position 1) to read “TRL”.</p> <p>Added (0001) to Field Description (position 56).</p> <p>Expanded Filler (position 60) from 15 to ???</p> <p>Removed Sequence Number field (position 75).</p> <p>Added FTP specific CF2 Header and Trailer Record Format.</p> |

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## 1. Overview

The RAPCPN function files will allow CF2 users (FTP/NDM) to retrieve their Coupon Direct Presentation records once a day on business days using the RAPCPN function. Please note that all times refer to Eastern time.

### 1.1 RAPCPN

Twice a month, at approximately 7:00 a.m. eastern time, DTC will provide agents with a file of upcoming Coupon Payments that our records indicate that they are the paying agent for. The file will be generated on the evening of the business day for the 1st and 15th of each month. Agents can pick up the files on the following business day starting at 7:00 a.m. Eastern time.

In addition to standard Header and Trailer records, the file will consist of two types of records, CUSIP Header records and Certificate Detail records. The layouts for both types of records are provided in Section 2.0 of this document.

### 1.2 RAPCPN Transmission Modes

RAPCPN files are available via FTP and NDM (CF2). Users requesting RAPCPN via CF2 receive a file comprised of CF2 Header and Trailer records separated by the detail records. (NDM users may also receive the file with a CCF Header record followed by the DIVRDP detail records.)

The formats for the CCF Header record, CF2 Header and Trailer records, and the RAPCPN, records are described in the following sections.

### 1.3 RAPCPN Availability

The RAPCPN function is normally available from approximately 7:00 a.m. through 7:00 p.m. Eastern time. New files will only be available the business day after the business day associated with the 1st and 15th of the month. For example, in August 2014 files would be available 08/04 and 08/18. In September 2014 files would be available on 09/03 and 09/16.

*If an agent does not pick up their file on the date generated, upon request, the file can be made available as a 'SPEC' file.*

*Business days are days when DTC and Banks are open for business, including Good Friday.*

## 2. Header and Trailer Records

### 2.1 The CCF Header Record

NDM users executing NDMDTF01, NDMDTFGP, or NDMDTFSP will receive the following CCF Header record.

| CCF Header Record Format |        |           |                     |  |
|--------------------------|--------|-----------|---------------------|--|
| Position                 | Length | Format    | Field Name          | Field Description  |
| 1                        | 6      | Character | Data Type Requested | RAPCPN. (In special instances where data must be reloaded, this name will correspond with the SPECx name). |
| 7                        | 6      | Character | Data Type Created   | RAPCPN   |
| 13                       | 8      | Character | Creation Date       | Date of data (MM/DD/YY).   |
| 21                       | 8      | Character | Spool Date          | DTC data load date (MM/DD/YY).   |
| 29                       | 8      | Character | Load Time           | DTC data load time (HH:MM:SS).   |
| 37                       | 2      | Binary    | Record Size         | Size of each data record.  |
| 39                       | 4      | Binary    | Block Count         | Number of data blocks input to CCFDTFDB.   |
| 43                       | 4      | Binary    | Record Count        | Number of data records.  |
| 47                       | ???    | Character | Filler              | DTC use only. Do not use.  |

## 2.2 The CF2 Header and Trailer Records

The CF2 Header and Trailer records come in two different formats; NDM and FTP.

**NOTE** that the Header and Trailer records are identical except for the first and last field of each record.

### 2.2.1 NDM – CF2 Header and Trailer Records

**NDM users** executing NDMDTF02 or NDMDTFGH will receive the following:

| CF2 Header and Trailer Record Format - NDM |        |           |                      |  |
|--|--------|-----------|----------------------|--|
| Position                                   | Length | Format    | Field Name           | Field Description  |
| 1  | 3      | Character | Record ID            | "HDR" or "TRL"   |
| 4  | 4      | Character | Signon ID            | Signon ID  |
| 8  | 6      | Character | Data Type Requested  | RAPCPN (In special instances where data must be reloaded this name will correspond with the SPECx name). |
| 14   | 6      | Character | Data Type Created    | RAPCPN   |
| 20   | 8      | Character | Creation Date        | Data Creation Date (MM/DD/YY)  |
| 28   | 8      | Character | Spool Date           | Data Load Date (MM/DD/YY)  |
| 36   | 8      | Character | Load Time            | Data Load Time (HH:MM:SS)  |
| 44   | 4      | Numeric   | Record Length        | Record Length of data requested  |
| 48   | 8      | Numeric   | Record Count         | Number of data records in file   |
| 56   | 4      | Numeric   | 80-Byte Record Count | Number of 80-byte records per data type requested. (0001)  |
| 60   | ???    | Character | Filler               | DTC use only. Do not use.  |

## 2.2.2 FTP - CF2 Header and Trailer Records

FTP users will get the following:

| CF2 Header and Trailer Record Format - FTP |        |           |                      |  |
|--|--------|-----------|----------------------|--|
| Position                                   | Length | Format    | Field Name           | Field Description  |
| 1  | 3      | Character | Record ID            | "HDR" or "TRL"   |
| 4  | 8      | Character | Sign-on ID           | Sign-on ID   |
| 12   | 6      | Character | Data Type Requested  | RAPCPN (In special instances where data must be reloaded this name will correspond with the SPECx name). |
| 18   | 6      | Character | Data Type Created    | RAPCPN   |
| 24   | 8      | Character | Creation Date        | Data Creation Date (MM/DD/YY)  |
| 32   | 8      | Character | Spool Date           | Data Load Date (MM/DD/YY)  |
| 40   | 8      | Character | Load Time            | Data Load Time (HH:MM:SS)  |
| 48   | 4      | Numeric   | Record Length        | Record Length of data requested  |
| 52   | 8      | Numeric   | Record Count         | Number of data records in file.  |
| 60   | 4      | Numeric   | 80-Byte Record Count | Number of 80-byte records per data type requested. (0001)  |
| 64   | ???    | Character | Filler               | DTC use only. Do not use.  |



### 3. The RAPCPN Detail Record

| Position                          | Length | Format    | Field Name                 | Field Description   |
|-----------------------------------|--------|-----------|----------------------------|---|
| <b>TRANSACTION HEADER</b>         |        |           |                            |   |
| 1                                 | 1      | Character | Feedback Indicator         | A constant "*" indicates an output message in the new format.   |
| 2                                 | 1      | Character | Production/ Test Indicator | For this function a constant "P" indicates a Production system message.   |
| 3                                 | 6      | Character | Record Type                | Value is RAPCPN   |
| 9                                 | 2      | Character | Record Suffix              | A constant "01".  |
| 11                                | 2      | Character | Version Number             | The version number associated with this record format; a constant "01".   |
| 13                                | 6      | Character | User Reference Number      | Constant spaces.  |
| 19                                | 8      | Character | Addressee ID               | The sign-on id of the entity on behalf of whom the transaction is being processed. Right aligned, zero padded. In this case, the M or N sign-on associated with the PFR Agent Number. |
| <b>RAPCPN CUSIP Header Record</b> |        |           |                            |   |
| 27                                | 1      | Character | Record Type                | Type of record, "C"   |
| 28                                | 2      | Numeric   | CUSIP Country Code         | Always zeros  |
| 30                                | 9      | Character | CUSIP                      | CUSIP Number  |
| 39                                | 1      | Numeric   | CUSIP Check Digit          | Always zero   |
| 40                                | 48     | Character | CUSIP Description          | CUSIP Description   |
| 88                                | 9      | Numeric   | NO of Certificates         | Format 9(9). Total number of certificates for this CUSIP, zero padded.  |
| 97                                | 18     | Numeric   | Total Interest             | Format 9(16)V99. Zero padded  |
| 115                               | 9      | Numeric   | Interest Rate              | Format 9(03)V9(06). Zero padded   |
| 124                               | 3      | Character | Coupon Number              | Format 999. Zero padded.  |

| Position  | Length | Format    | Field Name            | Field Description  |
|---|--------|-----------|-----------------------|--|
| 127   | 8      | Numeric   | Paying Agent          | Paying Agent number, zero padded to the left if the agent number is less than eight significant digits.  |
| 135   | 2      | Numeric   | CUSIP Country Code    | Always zeros   |
| 137   | 9      | Character | CUSIP Number          | CUSIP Number repeated.   |
| 146   | 1      | Numeric   | CUSIP Check Digit     | Always zero  |
| <b>RAPCPN Detail Record Redefines RAPCPN CUSIP Header</b> |        |           |                       |  |
| 27  | 1      | Character | Record Type           | Always 'D'   |
| 28  | 2      | Numeric   | CUSIP Country Code    | Always zeros   |
| 30  | 9      | Character | CUSIP                 | CUSIP Number   |
| 39  | 1      | Numeric   | CUSIP Check Digit     | Always zero  |
| 40  | 12     | Character | Beginning Cert Number | Format X(13). If Numeric, zero padded. If Character prefix, zero filled between Alpha and significant digits.                                  |
| 52  | 12     | Character | Ending Cert Number    | Format X(13). If Numeric, zero padded. If Character prefix, zero filled between Alpha and significant digits.                                  |
| 64  | 3      | Numeric   | Cert Sequence Number  | Always zeros   |
| 67  | 13     | Numeric   | Denomination          | Format 9999999999999. Zero padded.   |
| 80  | 18     | Numeric   | Interest Amount       | Format 9(16)V99. The Interest amount per Denomination, zero padded.  |
| 98  | 18     | Numeric   | Total Interest Amount | Format 9(16)V99. The Interest amount per Certificate Range, zero padded. Certificate Range = (Beginning Cert Number – Ending Cert number) + 1. |
| 116   | 9      | Numeric   | Total Cert Count      | Format 999999999. Zero padded.   |
| 125   | 2      | Character | Filler                | Reserved for DTC future use  |

| Position | Length | Format    | Field Name         | Field Description   |
|----------|--------|-----------|--------------------|---|
| 127      | 8      | Numeric   | Paying Agent       | Paying Agent number, zero padded to the left if the agent number is less than eight significant digits. |
| 135      | 2      | Numeric   | CUSIP Country Code | Always zeros  |
| 137      | 9      | Character | CUSIP Number       | CUSIP Number repeated.  |
| 146      | 1      | Numeric   | CUSIP Check Digit  | Always zero   |