13.06 Money Market Instruments Eligible CUSIP Master File (MMIECM) Function User's Guide

DOCUMENT HISTORY: 3/30/00 - Section 3.0, position 116, added "or 365" to indicator "05" and changed indicator "06" to 365.

13.06   **MMIECM: Function User's Guide**

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1.0 The MMIECM and MMIECU Functions

1.1 Overview

A CCF or CCF-II User may request the MMIECM function to receive DTC's MMI eligible CUSIP master file, and the MMIECU function to receive DTC's daily updates to the eligible CUSIP master file.

DTC creates two MMI eligible CUSIP files daily. One is a master file (MMIECM) containing information for all MMI CUSIPs that will be eligible for processing by DTC on the following business day (i.e., the date indicated in the CCF or CCF-II Header Record). The second file (MMIECU) is an update file containing information for all MMI CUSIPS that were added, deleted or changed from the previous day's master file. It is expected that the MMIECU daily update file will contain a fraction of the entire master file.

A CCF or CCF-II User requesting the MMIECM function will receive a file of machine-readable records which can be used to create his own master file. The MMIECU function can then be requested on a daily basis to receive a file of machine-readable records that can be used to update the User's master file, keeping it synchronous with DTC's master file. This will minimize transmission time and expense.

1.2 Availability of MMIECM and MMIECU

The MMIECM and MMIECU functions will generally be available from approximately 11:00 p.m. to 4:30 p.m. (Eastern Time) the next day.

2.0   MMIECM and MMIECU Record Information

The MMIECM and MMIECU files are available via CCF and CCF-II. Users requesting MMIECM or MMIECU via CCF will normally receive a file comprised of a CCF Header Record followed by all the MMIECM Eligible CUSIP or MMIECU Eligible CUSIP records.

Users requesting MMIECM or MMIECU via CCF-II will receive a file comprised of CCF-II Header and Trailer Records separated by all the MMIECM Eligible CUSIP or MMIECU Eligible CUSIP records.

The CCF Header Record, CCF-II Header and Trailer Records, MMIECM Eligible CUSIP record and MMIECU Eligible CUSIP record are described on the following pages.

2.1 The CCF Header Record

The first record on the function file will be a Header Record when "HEADER=YES" is specified as a CCFDTFDB parameter. The Header Record contains information regarding the creation of the file.

Note: NDM Users executing NDMDTF01, and RJE 3770 Users executing RJESDTF2, will receive the CCF Header Record below.

Position	Length	Format	Field Name	Field Description
			Format of the CCF Header Record	
1	6	Character	Data Type Requested	Value "MMIECM" or "MMIECU".
7	6	Character	Data Type Created	Value "MMIECM" or "MMIECU".
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 CCF-II Header and Trailer Records

The format of each CCF-II Header and Trailer Record is as described below. Please note that the Header and Trailer Records are identical except for the first and last field of each Record.

<table>
<tr><th colspan="5">CCF-II Header and Trailer Record (DTC Transmits to User)</th></tr>
<tr><th>Position</th><th>Length</th><th>Format</th><th>Field Name</th><th>Field Description</th></tr>
<tr><td>1</td><td>3</td><td>Character</td><td>Record Identifier</td><td>Record ID "HDR" or "TLR".</td></tr>
<tr><td>4</td><td>4</td><td>Character</td><td>Signon ID</td><td>Signon ID.</td></tr>
<tr><td>8</td><td>6</td><td>Character</td><td>Data Type Requested</td><td>Value "MMIECM" or "MMIECU".</td></tr>
<tr><td>14</td><td>6</td><td>Character</td><td>Data Type Created</td><td>Value "MMIECM" or "MMIECU".</td></tr>
<tr><td>20</td><td>8</td><td>Character</td><td>Creation Date</td><td>Data Creation Date (MM/DD/YY).</td></tr>
<tr><td>28</td><td>8</td><td>Character</td><td>Spool Date</td><td>Data Load Date (MM/DD/YY).</td></tr>
<tr><td>36</td><td>8</td><td>Character</td><td>Load Time</td><td>Data Load Time (HH:MM:SS).</td></tr>
<tr><td>44</td><td>4</td><td>Numeric</td><td>Record Length</td><td>Record Length of data requested.</td></tr>
<tr><td>48</td><td>8</td><td>Numeric</td><td>Record Count</td><td>Number of data records in file.</td></tr>
<tr><td>56</td><td>4</td><td>Numeric</td><td>80-Byte Record Count</td><td>Number of 80-byte records per data type requested.</td></tr>
<tr><td>60</td><td>15</td><td>Character</td><td>Filler</td><td>DTC use only; do not use.</td></tr>
<tr><td>75</td><td>6</td><td>Numeric</td><td>Sequence Number</td><td>Numbering Sequence. Used as a data integrity check.
HDR ===> 000000
TLR ===> 999999</td></tr>
</table>

3.0 The MMIECM and MMIECU Eligible CUSIP Record

The format of MMIECM and MMIECU Eligible CUSIP records appears below. Position 27 of the record indicates the MMI data type. The data type for MMIECM records is always M. The data type for MMIECU records is A, D or U.

Format of MMIECM and MMIECU Eligible CUSIP Record (Part 1 of 18)				
Position	**Length**	**Format**	**Field Name**	**Field Description**
POS 1 -- 26 T R A N S A C T I O N H E A D E R				
1	1	Character	Feedback Indicator	A constant "*". Indicates an output message in the new format.
2	1	Character	Production/Test Indicator	A constant "P". Indicates a Production system message.
3	6	Character	Record Type	A constant indicating the name of this function. MMIECM = MMI Eligible CUSIP Master File MMIECU = MMI Eligible CUSIP Update File.
9	2	Character	Record Suffix	A constant "01".
11	2	Numeric	Version Number	Data format version. For this release a constant "01".
13	6	Character	User Reference Number	Constant spaces.
19	8	Character	Addresses ID	The ID of the participant or other entity for whom this transaction was created.
27	1	Character	Data Type	Indicates the type of update, or that this is a Master record. "M" = Master File record (no update) "A" = Add "D" = Delete "U" = Update

3.0   The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

Format of MMIECM and MMIECU Eligible CUSIP Record (Part 2 of 18)

Position	Length	Format	Field Name	Field Description
28	3	Character	MMI Issue	MMI CUSIP sub issue type. "120" = Preferred Stock (PFD/CP) in CP-like mode "320" = Municipal VRDO/CP "330" = Municipal Commercial Paper "502" = Bankers' Acceptance (BA) "504" = Institutional Certificate of Deposit (CD) "525" = Corporate Commercial Paper "526" = Corporate VRDO/CP "530" = Medium-Term Notes (MTN) "531" = Deposit Notes "532" = Medium-Term Bank Notes "533" = Medium-Term Note "550" = Short-Term Bank Notes "560" = Discount Notes
31	20	Character	MMI Description	MMI Eligible CUSIP description.
51	1	Character	MMI Income Rate Type	Indicates if the Income Rate is fixed or variable. "F" = Fixed Rate "V" = Variable
52	1	Character	MMI Income Payment Type	Indicates the type of income structure. "P" = Periodic income payments (PIP). "I" = Income at maturity only (IAM). "D" = Discount.
53	9	Character	MMI Eligible CUSIP	A unique identifier assigned to the MMI security.
62	1	Character	EX-DTC Issuance Deposit Indicator	Indicates if the security being deposited by means of an MMI issuance instruction was in existence (EX-DTC) prior ro submission of the issuance instruction. "N" = No "Y" = Yes
63	8	Character	MMI Dated Date	The date from which the first income payment accrues. Format is CCYYMMDD.
71	8	Character	MMI Maturity Date	The date on which the maturity proceeds are due and payable. If the Extendable Maturity Ind (Pos 104) = "Y" then the maturity is Original Maturity, else when the Extendable Maturity Ind = "N", this field reflects Final Maturity Date. Format is CCYYMMDD.

3.0   The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

Format of MMIECM and MMIECU Eligible CUSIP Record (Part 3 of 18)

Position	Length	Format	Field Name	Field Description
79	9	Character	Minimum Denomination	The MMI minimum face value any investor may buy or sell the security as stated in the security prospectus.
88	9	Character	Incremental Denomination	Amount or incremental number of Shares for the Security issue.
97	1	Character	Indexed Principal Indicator	Indicates if the principal payments are determined via a specific index (e.g., foreign currency or commodity price). "N" = No "Y" = Yes
98	1	Character	Periodic/ Amortizing Principal Indicator	Indicates if the security has periodic amortization of principal payments. "N" = No "Y" = Yes
99	3	Character	Foreign Currency Code ID	Indicates the specific currency that MMI is denominated in. Must be a valid ISO (International Standards Organization) currency code. See Appendix A on page 23.
102	1	Character	Repayment (PUT) Option Indicator	Indicates whether repayment PUT option terms are in effect. "N" = No "Y" = Yes
103	1	Character	CALL Indicator	Indicates whether the security has a CALL feature (i.e., if the program issuer has the option or obligation to fully redeem the issue prior to maturity). "N" = No "Y" = Yes
104	1	Character	Extendable Maturity Indicator	Indicates whether the MMI has an extendable maturity provision (i.e., if the program provides for fixed or variable rate issues where the issuer has a one-time option to extend the maturity date, and holders have the option to tender to the issuer their holdings for repayment of principal). "N" = "No" "Y" = Yes

3.0 The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

Format of MMIECM and MMIECU Eligible CUSIP Record (Part 4 of 18)				
Position	**Length**	**Format**	**Field Name**	**Field Description**
105	1	Character	Renewable Note Indicator	Indicates whether the security is renewable (i.e., if the program provides for floating rate issues where prior to final maturity date, the maturity on each owner's holding will be automatically extended unless the owner elects to exchange the renewable note for a short term note). "N" = No "Y" = Yes
106	1	Character	Taxable Indicator	Indicates if the income on issues is taxable under federal tax laws. "N" = No "Y" = Yes
107	9	Character	MMI Income Rate	The rate of income earned for Fixed Rate issues; The discount rate for a Zero Coupon Bond; The 1st payment rate for Variable Rate Periodic Income Payments. (6 decimal positions are implied.)
116	2	Character	Income Calculation Formula Type	Indicates the type of formula to be used for calculating income payments. "01" = Actual Days elapsed / 360-day year "02" = 30 Day Month / 360-day year "03" = Actual Days elapsed / Actual Days "04" = DTC IAM CP Formula "05" = Actual Days / 365 "06" = Actual Days / 366 **NOTE:** If the MMI issuance instruction specifies Actual Days / 365 or 366, DTC will translate to Actual Days / 366 when the dated date falls in a Leap Year.
118	1	Character	Income Payment Frequency Interval Type	Indicates the periodic income payment frequency type (units of measure). "Y" = Year" "M" = Month "W" = Week "D" = Day

3.0   The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

				Format of MMIECM and MMIECU Eligible CUSIP Record (Part 5 of 18)
Position	**Length**	**Format**	**Field Name**	**Field Description**
119	3	Character	Income Payment Frequency Interval Number	In conjunction with income payment frequency interval type indicates periodic income payment frequency (e.g., a payment interval number of 90 with a payment interval type of D[ays] = 90 days). Default = spaces.
122	4	Character	Targeted First Income Payment Date	The date the holder of the security is targeted to receive the first income payment account at the end of the day. Format is MMDD.
126	1	Character	Income Payment Accrual Period Method Type	Indicates the method for calculating the number of days in the income accrual period. "A" = Actual payment to actual payment. "T" = Targeted payment to targeted payment.
127	1	Character	Income Payment Accrual Period Measure Type	Indicates the type of payable date accrual which will be used to determine the number of days in the income payment calculation. "R" = record to record date. "P" = payable to payable date.
128	4	Character	Income Payment 1st Record Date	The date on which holders of record are determined for the first income payment. Format is MMDD. **NOTE**: This field and the Income Payment Payable / Record Date Difference field are mutually exclusive.
132	4	Character	Income Payment 2nd Record Date	The date on which holders of record are determined for the second income payment. Format is MMDD. **NOTE:** This field and the Income Payment Payable / Record Date Difference field are mutually exclusive.
136	3	Character	Income Payment Payable/Record Date Difference	(# of days record date precedes pay date): The total number of days that record date precedes the targeted income payment date. **NOTE**: This field and the First and Second Income Payment Record Date fields are mutually exclusive.
139	1	Character	Income Payment Business/Calendar Indicator	Identifies the calendar to be used for computing the number of days for payment, or the record date if the previous field is used. "B" = Business Days "C" = Calendar Days

3.0 The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

	Format of MMIECM and MMIECU Eligible CUSIP Record (Part 6 of 18)			
Position	**Length**	**Format**	**Field Name**	**Field Description**
140	1	Character	Income Payment Weekend/Holiday Indicator	Identifies whether to use the day before or the day after if the record date is a holiday or weekend. "A" = After "B" = Before
141	1	Character	Income Rate Reset Interval Type	In conjunction with the Income Rate Reset Interval Number, to indicate the length of time used to reset the rate. "Y" = Year "M" = Month "W" = Week "D" = Day
142	3	Character	Income Rate Reset Interval Number	In conjunction with the Income Rate Reset Interval Type, this field is used for determining the periodic rate change (e.g., a rate reset interval number of 90 with a rate reset interval type of "D"(days) indicates a rate reset every 90 days).
145	1	Character	LIBOR Indexed Income Payment Indicator	Indicates if the security's income payments are indexed to LIBOR. "N" = No "Y" = Yes
146	1	Character	Income Payment Index Maturity Interval Type	The time length of the index used to reset the index. "Y" = Years "M" = Months "W" = Weeks "D" = Days
147	2	Character	Income Payment Index Maturity Interval Number	The number of index maturity units (00-99) representing the length of time used to reset the index in conjunction with the Income Payment Index Maturity Interval Type (e.g., if Index Maturity Interval Type is "D" (days) and Index Maturity Interval Number is 90, the index is reset every 90 days).
149	1	Character	Income Payment Percentage Spread Sign Type	The sign of the percentage spread (either '+' or '-') indicating whether the spread is added to (+) or subtracted from (-) the index's value when calculating variable interest rate.

3.0 The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

	Format of MMIECM and MMIECU Eligible CUSIP Record (Part 7 of 18)			
Position	**Length**	**Format**	**Field Name**	**Field Description**
150	9	Character	Income Payment Spread Percentage	The percentage amount that is added to or subtracted from the index's value when calculating the variable interest rate. (6 decimal positions are implied.)
159	2	Character	Income Payment Day of Month (DOM)	In conjunction with the Income Payment DOM Business/Calendar Indicator, this field will determine the income payment day (e.g., 1 thru 31).
161	1	Character	Income Payment DOM Business/ Calendar Indicator	In conjunction with the Income Payment Day of Month field, this field will determine the income payment day. "B" = The day of month count is Business Days "C" = The day of month count is Calendar Days (e.g., If Payment Business/Calendar Indicator is C, Payment Day of the Month is 1, Payment Interval Type is "M" and Payment Interval Number is 6, then Income Payments are made every 6 months on the first Calendar Day of the Income Payment Month).
162	1	Character	Income Payment Week of Month (WOM)	In conjunction with the Income Payment Day of Week field, this field will determine the income payment Week of the Month. "1" = First week "2" = Second week "3" = Third week "4" = Fourth week
163	2	Character	Income Payment Day of Week (DOW)	In conjunction with the Income Payment Week of Month field, this field will determine the income payment Day Of the Week (e.g., if Income Payment Day Of Week is "01" (Monday), and Income Payment Week of Month is "1", the Income Payments are made on the first Monday of every month.) "01" = Monday "02" = Tuesday "03" = Wednesday "04" = Thursday "05" = Friday

3.0 The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

			Format of MMIECM and MMIECU Eligible CUSIP Record (Part 8 of 18)	
Position	**Length**	**Format**	**Field Name**	**Field Description**
165	1	Character	Principal Payment Frequency Interval Type	In conjunction with the Principal Payment Frequency Interval Number, this field is used for determining periodic principal payment frequency. "Y" = Years "M" = Months "W" = Weeks "D" = Days
166	3	Character	Principal Payment Frequency Interval Number	In conjunction with the Principal Payment Frequency Interval Type, this field is used for determining periodic principal payment frequency (e.g., a payment interval amount of 90 with a payment interval type of D[ays] indicates payment every 90 days).
169	1	Character	Repayment Frequency Option Type	Frequency of repayment option. "1" = Annual "2" = Semi-annual "3" = Bi-monthly "4" = Quarterly "5" = Bi-annually "8" = Monthly "I" = Irregular "O" = One Time Only "U" = Undefined **Available only if Repayment Put Option Indicator (Position 102) = Y.
170	4	Character	Start Date of 1st Tender Period	The first tender period's start date. Format is MMDD.
174	4	Character	End Date of 1st Tender Period	The first tender period's end date. Format is MMDD.
178	4	Character	Pay Date of 1st Tender Period	The first tender period's pay date. Format is MMDD.
182	4	Character	End Date of Last Tender Period	The last tender period's end date. Format is MMDD.
186	8	Character	1st Call Date	The first date the security can be called. Format is CCYYMMDD.

3.0   The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

Format of MMIECM and MMIECU Eligible CUSIP Record (Part 9 of 18)				
Position	**Length**	**Format**	**Field Name**	**Field Description**
194	6	Character	Call Price Percentage	The Percentage of par paid if the security is called on the first call date. (3 decimal positions are implied.)
200	1	Character	LIBOR Indexed Principal Payment Indicator	Indicates if the security's principal payments are indexed to LIBOR. (Y or N)
201	2	Character	Settlement Days Principal Payment After Maturity Date	The number of days after the maturity date that the final principal payment will be made.
203	1	Character	Final Principal Payment Calendar / Business Day Indicator	Identifies the Calendar to be used for computing the number of days for the final principal payment. "B" = Business Days "C" = Calendar Days.
204	2	Character	Settlement Days Income Payment After Maturity Date	The number of days after the maturity date that the final income payment will be made.
206	1	Character	Final Income Payment Calendar / Business Day Indicator	Identifies the Calendar to be used for computing the number of days for the final income payment. "B" = Business Days "C" = Calendar Days.

3.0   The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

<table>
<tr><th colspan="5">Format of MMIECM and MMIECU Eligible CUSIP Record (Part 10 of 18)</th></tr>
<tr><th>Position</th><th>Length</th><th>Format</th><th>Field Name</th><th>Field Description</th></tr>
<tr>
<td>207</td>
<td>1</td>
<td>Character</td>
<td>Issuance Type</td>
<td>Identifies the specific type of MMI being issued. It must be an authorized issuance MMI type for the issuer number. This is established by DTC's Underwriting Department prior to the submission of the issuance instruction. Values include:
"A" = Institution Cert. of Deposit
"B" = Corporate Commercial Paper-new
"C" = Corporate VRDO in CP Mode
"E" = Muni Commercial Paper-Tax Exempt
"F" = Muni Commercial Paper-Taxable
"G" = Muni CP-tax Exempt VRDO/CP mode
"H" = Muni CP-Taxable VRDO in CP mode
"J" = Medium-Term Note
"K" = Deposit Note, Medium-Term
"L" = Bank Note, Medium-Term
"N" = Bank Note, Short-Term
"O" = Discount Note
"P" = Preferred Stock in CP-like mode
"Q" = Bankers' Acceptance.</td>
</tr>
<tr>
<td>208</td>
<td>1</td>
<td>Character</td>
<td>Foreign Currency Indicator</td>
<td>Indicates if the security is denominated in a currency other than USD (US Dollars.)
"N" = No
"Y" = Yes.</td>
</tr>
<tr>
<td>209</td>
<td>1</td>
<td>Character</td>
<td>US Dollar Payment Option Indicator</td>
<td>Indicates if the income and/or principal payments must be made in the foreign currency the issue is denominated in. If not applicable, field is blank.
"N" = No
"Y" = Yes.</td>
</tr>
<tr>
<td>210</td>
<td>1</td>
<td>Character</td>
<td>Changeable Income Payment Frequency Indicator</td>
<td>Indicates if the security has a feature allowing a change in the frequency of income payments.
"N" = No
"Y" = Yes.</td>
</tr>
<tr>
<td>211</td>
<td>1</td>
<td>Character</td>
<td>Repayment (Put) Upon Death Indicator</td>
<td>Indicates if the bond can be redeemed if the holder of the securities dies.
"N" = No
"Y" = Yes.</td>
</tr>
</table>

3.0   The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

Format of MMIECM and MMIECU Eligible CUSIP Record (Part 11 of 18)				
Position	**Length**	**Format**	**Field Name**	**Field Description**
212	1	Character	Income Rate Reset Indicator	Indicates if the spread or spread multiplier for a variable rate security can be reset at the option of the Issuer or for a fixed rate security if the fixed rate can be reset. "N" = No "Y" = Yes.
213	1	Character	Income Step-up Rate Indicator	Indicates if the issue being made eligible can have its income rate reset one other time during its life. "N" = No "Y" = Yes.
214	9	Numeric	Income Step-up Rate	Identifies the income rate for the issue on the effective date of income rate change. (6 decimal positions implied.)
223	15	Numeric	Income Payment per $1,000 (1st Payment/ At Maturity)	The dollar amount earned per $1,000 face amount to be paid on the first income payment date. (6 decimal positions implied.)
238	8	Numeric	First Actual Income Payment Date	Date the holder of the security will receive the first income payment based on evaluating the Targeted First Income Payment Date against the US and LIBOR Calendars for a valid payment date. Format is CCYYMMDD.
246	72	Character	Variable Rate Income Index Name - Part 1	Identifies the name of the index on which the income payment will be based (first part of name).
318	72	Character	Variable Rate Income Index Name - Part 2	Identifies the name of the index on which the income payment will be based (second part of name).
390	8	Numeric	First Targeted Principal Payment Date	Date the holder of the security is targeted to receive the first principal payment. For is CCYYMMDD.
398	8	Numeric	First Actual Principal Payment Date	Date the holder of the security will receive the first principal payment based on evaluating the Targeted First Principal Payment Date against the US and LIBOR calendars for a valid payment date. Format is CCYYMMDD.

3.0 The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

<table>
<tr><td colspan="5">Format of MMIECM and MMIECU Eligible CUSIP Record (Part 12 of 18)</td></tr>
<tr><th>Position</th><th>Length</th><th>Format</th><th>Field Name</th><th>Field Description</th></tr>
<tr>
<td>406</td>
<td>8</td>
<td>Numeric</td>
<td>First Principal Payment Record Date</td>
<td>The date of record for the first principal payment. This date and the Principal Payment Payable/Record Date Difference field are mutually exclusive. Format is CCYYMMDD.</td>
</tr>
<tr>
<td>414</td>
<td>2</td>
<td>Numeric</td>
<td>Principal Payment Payable/Record Date Difference</td>
<td>Total number of days that record date precedes targeted principal Payment date. This field and the First Principal Payment Record Date field are mutually exclusive.</td>
</tr>
<tr>
<td>416</td>
<td>1</td>
<td>Character</td>
<td>Principal Payment Business/Calendar Indicator</td>
<td>Identifies the Calendar to be used for computing the number of days for payment of the record date if the previous field is used.
"B" = Business Days
"C" = Calendar Days.</td>
</tr>
<tr>
<td>417</td>
<td>1</td>
<td>Character</td>
<td>Principal Payment Weekend/ Holiday Indicator</td>
<td>Indicates whether to use the day before or the day after if the record date is a holiday.
"A" = After
"B" = Before</td>
</tr>
<tr>
<td>418</td>
<td>1</td>
<td>Character</td>
<td>Principal Payment Indexed Maturity Interval Type</td>
<td>In conjunction with the Principal Payment Indexed Maturity Interval Number, this field is used for determining reset frequency for the Principal Index.
"Y" = Years
"M" = Months
"W" = Weeks
"D" = Days</td>
</tr>
<tr>
<td>419</td>
<td>3</td>
<td>Numeric</td>
<td>Principal Payment Indexed Maturity Interval Number</td>
<td>In conjunction with the Principal Payment Indexed Maturity Interval Type, this field is used for determining reset frequency for the Principal Index (e.g., a rate reset amount of 90 with a rate reset unit type of D[ays] indicates a rate reset every 90 days).</td>
</tr>
<tr>
<td>422</td>
<td>1</td>
<td>Character</td>
<td>Principal Payment Spread Sign Type</td>
<td>Identifies the sign indicating the positive or negative spread percentage.</td>
</tr>
<tr>
<td>423</td>
<td>4</td>
<td>Character</td>
<td>Principal Payment Spread Percentage</td>
<td>Identifies the percentage spread from 0 to 100%. (3 decimal positions implied)</td>
</tr>
</table>

3.0   The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

Position	Length	Format	Field Name	Field Description
Format of MMIECM and MMIECU Eligible CUSIP Record (Part 13 of 18)				
427	72	Character	Principal Index/ Formula Name-Part 1	Identifies the first part of the name on which the principal payment is based (first part of name).
499	72	Character	Principal Index/ Formula Name-Part 2	Identifies the second part of the name on which the principal payment is based (second part of name).
571	2	Numeric	Principal Payment Day of Month (DOM)	In conjunction with the principal Payment Day of Month (DOM) Business/Calendar Indicator, this field will determine the income payment day (e.g., 1 thru 31).
573	1	Character	Principal Payment Day of Month (DOM) Business/ Calendar Indicator	In conjunction with the Principal Payment Day of Month filed, this field will determine the principal payment day. "B" = Business Days "C" = Calendar Days.
574	1	Numeric	Principal Payment Week of Month (WOM)	In conjunction the principal Payment Day of Week field, this field will determine the principal payment frequency. "1" = First Week "2" = Second Week "3" = Third Week "4" = Fourth Week.
575	1	Numeric	Principal Payment Day of Week (DOW)	In conjunction with the principal Week of Month field, this field will determine the principal payment frequency. "1" = Monday "2" = Tuesday "3" = Wednesday "4' = Thursday "5" = Friday.
576	4	Character	Issuer Acronym	The DTC designation used to identify the MMI Issuer. Same as Stock Exchange or Over-The-Counter ticker symbol where available.
580	22	Character	Issuer Name	The name of the Issuer.
602	18	Character	Issuer Contact (1) Phone Number	The phone number of First Issuer contact.

3.0 The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

<table>
<tr><td colspan="5" align="center">Format of MMIECM and MMIECU Eligible CUSIP Record (Part 14 of 18)</td></tr>
<tr><th>Position</th><th>Length</th><th>Format</th><th>Field Name</th><th>Field Description</th></tr>
<tr><td>620</td><td>48</td><td>Character</td><td>Issuer Contact (1) Name & Address</td><td>The Name and Address of First Issuer contact.</td></tr>
<tr><td>668</td><td>18</td><td>Character</td><td>Issuer Contact (2) Phone Number</td><td>The phone number of Second Issuer contact.</td></tr>
<tr><td>686</td><td>48</td><td>Character</td><td>Issuer Contact (2) Name & Address</td><td>The Name and Address of Second Issuer contact.</td></tr>
<tr><td>734</td><td>2</td><td>Character</td><td>State of Incorporation</td><td>The issuer's state of incorporation (For US issuers only).</td></tr>
<tr><td>736</td><td>3</td><td>Character</td><td>Country Code</td><td>ISO country code of the issuer. See Appendix A on page 23.</td></tr>
<tr><td>739</td><td>2</td><td>Character</td><td>Program Rank</td><td>The rank of the program. It identifies the priority of claims on assets compared to other debts.</td></tr>
<tr><td>741</td><td>1</td><td>Character</td><td>Program Type</td><td>DTC assigned designation identifying the section of the Securities Act of 1933 under which an MMI is exempt from SEC registration. "R" signifies registered program.</td></tr>
<tr><td>742</td><td>1</td><td>Character</td><td>Market Code</td><td>Identifies whether the program is publicly or privately placed, and the market in which it trades.</td></tr>
<tr><td>743</td><td>1</td><td>Character</td><td>Book-Entry/Global Code</td><td>A program that is also eligible in non-US depositories. BE or GL</td></tr>
<tr><td>744</td><td>8</td><td>Numeric</td><td>Trustee</td><td>Account number and name of entity named to protect the MMI holder' rights as specified in the indenture.</td></tr>
<tr><td>752</td><td>25</td><td>Character</td><td>Bond Description</td><td>The description of the long-term bond underlying a VRDO/CP program.</td></tr>
<tr><td>777</td><td>8</td><td>Character</td><td>Bond Maturity Date</td><td>The maturity date of the long-term bond underlying a VRDO/CP program.</td></tr>
<tr><td>785</td><td>12</td><td>Character</td><td>Bond CUSIP Number</td><td>The CUSIP number of the long term bond underlying a VRDO/CP program.</td></tr>
</table>

3.0   The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

				Format of MMIECM and MMIECU Eligible CUSIP Record (Part 15 of 18)
Position	**Length**	**Format**	**Field Name**	**Field Description**
797	15	Numeric	Liquidation Preference Amount	The principal amount per share of MMI Preferred Stock an investor would receive in the event of any voluntary or involuntary liquidation, dissolution or winding up of the business of the company that issued the stock. (2 decimal positions implied).
812	1	Character	Federally Charter Indicator	A bank organized as a national association to the US. (Y or N)
813	2	Character	Final Accrual Period Measure	Indicates if a CD or deposit note program's final payment period ends on its actual(A) or targeted(T) maturity date.
815	20	Character	Letter of Credit Bank Name	Name of issuer of credit or irrevocable revolving credit agreement backing an MMI issue.
835	60	Character	Comment Text	Text reserved for future use.
895	8	Numeric	Effective Date (1)	The date the change in payment frequency or income rate is in effect. Format is CCYYMMDD.
903	9	Numeric	New Income Rate % (1)	The new rate of income earned. (6 decimal positions implied.)
912	1	Character	New Income Payment Frequency Interval Type (1)	In conjunction with the New Income Payment Interval Number, this field is used for determining periodic income payment frequency. "Y" = Year "M" = Month "W" = Week "D" = Day
913	3	Character	New Income Payment Frequency Interval Number (1)	In conjunction with the New Income Payment Interval Type, this field is used for determining periodic income payment frequency (e.g., a payment interval number of 90 with a payment interval type of D[ays] indicates payment every 90 days).
916	8	Numeric	Effective Date (2)	The date the change in payment frequency or income rate is in effect. Format is CCYYMMDD.

3.0 The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

				Format of MMIECM and MMIECU Eligible CUSIP Record (Part 16 of 18)
Position	**Length**	**Format**	**Field Name**	**Field Description**
924	9	Numeric	New Income Rate % (2)	The new rate of income earned. (6 decimal positions implied.)
933	1	Character	New Income Payment Frequency Interval Type (2)	In conjunction with the New Income Payment Interval Number, this field is used for determining periodic income payment frequency. "Y" = Year "M" = Month "W" = Week "D" = Day
934	3	Character	New Income Payment Frequency Interval Number (2)	In conjunction with the New Income Payment Interval Type, this field is used for determining periodic income payment frequency (e.g., a payment interval number of 90 with a payment interval type of D[ays] indicates payment every 90 days).
937	8	Numeric	Effective Date (3)	The date the change in payment frequency or income rate is in effect. Format is CCYYMMDD.
945	9	Numeric	New Income Rate % (3)	The new rate of income earned. (6 decimal positions implied.)
954	1	Character	New Income Payment Frequency Interval Type (3)	In conjunction with the New Income Payment Interval Number, this field is used for determining periodic income payment frequency. "Y" = Year "M" = Month "W" = Week "D" = Day.
955	3	Character	New Income Payment Frequency Interval Number (3)	In conjunction with the New Income Payment Interval Type, this field is used for determining periodic income payment frequency (e.g., a payment interval number of 90 with a payment interval type of D[ays] indicates payment every 90 days).
958	8	Numeric	Effective Date (4)	The date the change in payment frequency or income rate is in effect. Format is CCYYMMDD.
966	9	Numeric	New Income Rate % (4)	The new rate of income earned. (6 decimal positions implied.)

3.0   The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

Format of MMIECM and MMIECU Eligible CUSIP Record (Part 17 of 18)

Position	Length	Format	Field Name	Field Description
975	1	Character	New Income Payment Frequency Interval Type (4)	In conjunction with the New Income Payment Interval Number, this field is used for determining periodic income payment frequency. "Y" = Year "M" = Month "W" = Week "D" = Day.
976	3	Character	New Income Payment Frequency Interval Number (4)	In conjunction with the New Income Payment Interval Type, this field is used for determining periodic income payment frequency (e.g., a payment interval number of 90 with a payment interval type of D[ays] indicates payment every 90 days).
979	8	Numeric	Effective Date (5)	The date the change in payment frequency or income rate is in effect. Format is CCYYMMDD.
987	9	Numeric	New Income Rate % (5)	The new rate of income earned. (6 decimal positions implied.)
996	1	Character	New Income Payment Frequency Interval Type (5)	In conjunction with the New Income Payment Interval Number, this field is used for determining periodic income payment frequency. "Y" = Year "M" = Month "W" = Week "D" = Day
997	3	Character	New Income Payment Frequency Interval Number (5)	In conjunction with the New Income Payment Interval Type, this field is used for determining periodic income payment frequency (e.g., a payment interval number of 90 with a payment interval type of D (days) indicates payment every 90 days).
1000	8	Numeric	Effective Date (6)	The date the change in payment frequency or income rate is in effect. Format is CCYYMMDD.
1008	9	Numeric	New Income Rate % (6)	The new rate of income earned. (6 decimal positions implied)

3.0   The MMIECM and MMIECU Eligible CUSIP Record *(Continued)*

<table>
<tr>
<th colspan="5">Format of MMIECM and MMIECU Eligible CUSIP Record (Part 18 of 18)</th>
</tr>
<tr>
<th>Position</th>
<th>Length</th>
<th>Format</th>
<th>Field Name</th>
<th>Field Description</th>
</tr>
<tr>
<td>1017</td>
<td>1</td>
<td>Character</td>
<td>New Income Payment Frequency Interval Type (6)</td>
<td>In conjunction with the New Income Payment Interval Number, this field is used for determining periodic income payment frequency.
"Y" = Year
"M" = Month
"W" = Week
"D" = Day</td>
</tr>
<tr>
<td>1018</td>
<td>3</td>
<td>Character</td>
<td>New Income Payment Frequency Interval Number (6)</td>
<td>In conjunction with the New Income Payment Interval Type, this field is used for determining periodic income payment frequency (e.g., a payment interval number of 90 with a payment interval type of D (days) indicates payment every 90 days).</td>
</tr>
</table>

4. Appendix.

4.1 ISO Country and Currency Codes (in country-name order)

The only valid currency code for settlement locations of DTC, BRC, US, PTC, and FED is US Dollar (01 for end-of-day format or USD/USN for interactive format). Input of 01 in the old format converts to USD in the new output format.

ISO Country and Currency Codes				(Part 1 of 11)
Country Name	Country Code	Currency Name	Currency Code	Currency Fraction
Afghanistan	AF	Afghani	AFA	2
Albania	AL	Lek	ALL	2
Algeria	DZ	Algerian Dinar	DZD	2
American Samoa	AS	US Dollar	USD	2
Andorra	AD	Andorran Peseta	ADP	0
Andorra	AD	Spanish Peseta	ESP	0
Andorra	AD	French Franc	FRF	2
Angola	AO	New Kwanza	AON	2
Anguilla	AI	East Caribbean Dollar	XCD	2
Antigua and Barbuda	AG	East Caribbean Dollar	XCD	2
Argentina	AR	Argentine Peso	ARS	2
Armenia	AM	Russian Ruble	RUR	2
Aruba	AW	Aruban Guilder	AWG	2
Australia	AU	Australian Dollar	UD	2
Austria	AT	Shilling	ATS	2
Azerbaijan	AZ	Russian Ruble	RUR	2
Bahamas	BS	Bahamian Dollar	BSD	2
Bahrain	BH	Bahraini Dinar	BHD	3
Bangladesh	BD	Taka	BDT	2
Barbados	BB	Barbados Dollar	BBD	2
Belarus	BY	Russian Ruble	RUR	2
Belgium	BE	Belgian Franc	BEF	0

Country Name	Country Code	Currency Name	Currency Code	Currency Fraction
		ISO Country and Currency Codes		(Part 2 of 11)
Belize	BZ	Belize Dollar	BZD	2
Benin	BJ	CFA Franc BCEAO	XOF	0
Bermuda	BM	Bermudian Dollar	BMD	2
Bhutan	BT	Ngultrum	BTN	2
Bhutan	BT	Indian Rupee	INR	2
Bolivia	BO	Boliviano	BOB	2
Bosnia-Herzegovina	BA	Yugoslavian Dinar	YUN	2
Botswana	BW	Pula	BWP	2
Bouvet Island	BV	Norwegian Krone	NOK	2
Brazil	BR	Brazilian Real	BRL	2
British Indian Ocean Territory	IO	US Dollar	USD	2
Brunei Darussalam	BN	Brunei Dollar	BND	2
Bulgaria	BG	Lev	BGL	2
Burkina Faso	BF	CFA Franc BCEAO	XOF	0
Burundi	BI	Burundi Franc	BIF	0
Cambodia	KH	Riel	KHR	2
Cameroon	CM	CFA Franc BEAC	XAF	0
Canada	CA	Canadian Dollar	CAD	2
Cape Verde	CV	Cape Verde Escudo	CVE	2
Cayman\ Islands		Cayman Islands Dollar	KYD	2
Central African Republic	CF	CFA Franc BEAC	XAF	0
Chad	TD	CFA Franc BEAC	XAF	0
Chile	CL	Chilean Peso	CLP	2
Chile	CL	Unidades de Fomento	CLF	2
China	CN	Yuan Renminbi	CNY	2
Christmas Island	CX	Australian Dollar	AUD	2

ISO Country and Currency Codes				(Part 3 of 11)
Country Name	Country Code	Currency Name	Currency Code	Currency Fraction
Cocos (Keeling) Islands	CC	Australian Dollar	AUD	2
Colombia	CO	Colombian Peso	COP	2
Comoros	KM	Comoro Franc	KMF	0
Congo	CG	CFA Franc BEAC	XAF	0
Cook Islands	CK	New Zealand Dollar	NZD	2
Costa Rica	CR	Costa Rican Colon	CRC	2
Cote D'Ivoire	CI	CFA Franc BCEAO	XOF	0
Croatia	HR	Croatian Dinar	HRD	0
Croatia	HR	Kuna	HRK	2
Cuba	CU	Cuban Peso	CUP	2
Cyprus	CY	Cyprus Pound	CYP	2
Czech Republic	CZ	Czech Koruna	CZK	2
Denmark	DK	Danish Krone	DKK	2
Djibouti	DJ	Djibouti Franc	DJF	0
Dominica	DM	East Caribbean Dollar	XCD	2
Dominican Republic	DO	Dominican Peso	DOP	2
East Timor	TP	Timor Escudo	TPE	0
East Timor	TP	Rupiah	IDR	2
Ecuador	EC	Sucre	ECS	2
Egypt	EG	Egyptian Pound	EGP	3
El Salvador	SV	El Salvador Colon	SVC	2
Equatorial Guinea	GQ	CFA Franc BEAC	XAF	0
Estonia	EE	Kroon	EEK	2
Ethiopia	ET	Ethiopian Birr	ETB	2
Faeroe Islands	FO	Danish Krone	DKK	2
Falkland Islands (Malvinas)	FK	Falkland Islands Pound	FKP	2

THE DEPOSITORY TRUST & CLEARING CORPORATION

ISO Country and Currency Codes				(Part 4 of 11)
Country Name	**Country Code**	**Currency Name**	**Currency Code**	**Currency Fraction**
Fiji	FJ	Fiji Dollar	FJD	2
Finland	FI	Markka	FIM	2
France	FR	French Franc	FRF	2
French Polynesia	PF	CFP Franc	XPF	0
French Southern Territories	TF	French Franc	FRF	2
French Guiana	GF	French Franc	FRF	2
Gabon	GA	CFA Franc BEAC	XAF	0
Gambia	GM	Dalasi	GMD	2
Georgia	GE	Russian Ruble	RUR	2
Georgia	GE	Georgian Coupon	GEK	0
Germany	DE	Deutsche Mark	DEM	2
Ghana	GH	Cedi	GHC	2
Gibraltar	GI	Gibraltar Pound	GIP	2
Granada	GD	East Caribbean Dollar	XCD	
Greece	GR	Drachma	GRD	0
Greenland	GL	Danish Krone	DKK	2
Guadeloupe	GP	French Franc	FRF	2
Guam	GU	US Dollar	USD	2
Guatemala	GT	Quetzal	GTQ	2
Guernsey, Channel Islands	GG	Pound Sterling	GBP	2
Guinea	GN	Guinea Franc	GNF	0
Guinea-Bissau	GW	Guinea-Bissau Peso	GWP	2
Guyana	GY	Guyana Dollar	GYD	2
Haiti	HT	Us Dollar	USD	2
Haiti	HT	Gourde	HTG	2

ISO Country and Currency Codes				(Part 5 of 11)
Country Name	**Country Code**	**Currency Name**	**Currency Code**	**Currency Fraction**
Heard and McDonald Islands	HM	Australian Dollar	AUD	2
Honduras	HN	Lempira	HNL	2
Hong Kong	HK	Hong Kong Dollar	HKD	2
Hungary	HU	Forint	HUF	2
Iceland	IS	Iceland Krona	ISK	2
India	IN	Indian Rupee	INR	2
Indonesia	ID	Rupiah	IDR	2
Iran (Islamic Republic of)	IR	Iranian Rial	IRR	2
Iraq	IQ	Iraqi Dinar	IQD	3
Ireland	IE	Irish Pound	IEP	2
Isle of Man	IM	Pound Sterling	GBP	2
Israel	IL	Shekel	ILS	2
Italy	IT	Italian Lira	ITL	0
Jamaica	JM	Jamaican Dollar	JMD	2
Japan	JP	Yen	JPY	0
Jersey, Channel Islands	JE	Pound Sterling	GBP	2
Jordan	JO	Jordanian Dinar	JOD	3
Kazahstan	KZ	Tenge	KZT	2
Kenya	KE	Kenyan Shilling	KES	2
Kiribati	KI	Australian Dollar	AUD	2
Korea, Democratic People's Republic of	KP	North Korean Won	KPW	2
Korea, Republic of	KR	Won	KRW	0
Kuwait	KW	Kuwaiti Dinar	KWD	3
Kyrgyzstan	KG	Som	KGS	2
Kyrgyzstan	KG	Russian Ruble	RUR	2

ISO Country and Currency Codes				(Part 6 of 11)
Country Name	Country Code	Currency Name	Currency Code	Currency Fraction
Lao People's Democratic Republic	LA	Kip	LAK	2
Latvia	LV	Latvian Ruble	LVR	2
Latvia	LV	Latvian Lats	LVL	2
Lebanon	LB	Lebanese Pound	LBP	2
Lesotho	LS	Rand	ZAR	2
Lesotho	LS	Financial Rand	ZAL	2
Lesotho	LS	Loti	LSL	2
Liberia	LR	Liberian Dollar	LRD	2
Libyan Arab Jamahiriya	LY	Libyan Dinar	LYD	3
Liechtenstein	LI	Swiss Franc	CHF	2
Lithuania	LT	Lithuanian Litas	LTL	2
Luxembourg	LU	Belgian Franc	BEF	0
Luxembourg	LU	Luxembourg Franc	LUF	0
Macau	MO	Pataca	MOP	2
Macedonia, the Former Yugoslav Republic of	MK	Dinar	MKD	2
Madagascar	MG	Malagasy Franc	MGF	0
Malawi	MW	Kwacha	MWK	2
Malaysia	MY	Malaysian Ringgit	MYR	2
Maldives	MV	Rufiyaa	MVR	2
Mali	ML	CFA Franc BCEAO	XOF	0
Malta	MT	Maltese Lira	MTL	2
Marshall Islands	MH	US Dollar	USD	2
Martinique	MQ	French Franc	FRF	2
Mauritania	MR	Ouguiya	MRO	2
Mauritius	MU	Mauritius Rupee	MUR	2

ISO Country and Currency Codes				(Part 7 of 11)
Country Name	**Country Code**	**Currency Name**	**Currency Code**	**Currency Fraction**
Mexico	MX	Mexican Nuevo Peso	MXN	2
Mexico	MX	Mexican Peso	MXP	0
Micronesia	FM	US Dollar	USD	2
Moldova, Republic of	MD	Moldovan Leu	MDL	2
Moldova, Republic of	MD	Russian Ruble	RUR	2
Monaco	MC	French Franc	FRF	2
Mongolia	MN	Tugrik	MNT	2
Montserrat	MS	East Caribbean Dollar	XCD	2
Morocco	MA	Moroccan Dirham	MAD	2
Mozambique	MZ	Metical	MZM	2
Myanmar	MM	Kyat	MMK	2
Namibia	NA	Namibia	NAD	2
Namibia	NA	Rand	ZAR	2
Nauru	NR	Australian Dollar	AUD	2
Nepal	NP	Nepalese Rupee	NPR	2
Netherlands	NL	Netherlands Guilder	NLG	2
Netherlands Antilles	AN	Netherlands Antillean Guilder	ANG	2
Neutral Zone (between Saudi and Iraq)	NT	Kuwaiti Dinar	KWD	3
Neutral Zone (between Saudi Arabia and Iraq)	NT	Iraqi Dinar	IQD	3
Neutral Zone (between Saudi and Iraq)	NT	Saudi Riyal	SAR	2
New Caledonia	NC	CFP Franc	XPF	0
New Zealand	NZ	New Zealand Dollar	NZD	2
Nicaragua	NI	Cordoba Oro	NIO	2
Niger	NE	CFA Franc BCEAO	XOF	0
Nigeria	NG	Naira	NGN	2

ISO Country and Currency Codes				(Part 8 of 11)
Country Name	**Country Code**	**Currency Name**	**Currency Code**	**Currency Fraction**
Niue	NU	New Zealand Dollar	NZD	2
Norfolk Island	NF	Australian Dollar	AUD	2
Northern Mariana Islands	MP	US Dollar	USD	2
Norway	NO	Norwegian Krone	NOK	2
Oman	OM	Rial Omani	OMR	3
Pakistan	PK	Pakistan Rupee	PKR	2
Palau	PW	US Dollar	USD	2
Panama	PA	US Dollar	USD	2
Panama	PA	Balboa	PAB	2
Panama Canal Zone	PG			
Papua New Guinea	PG	Kina	PGK	2
Paraguay	PY	Guarani	PYG	0
Peru	PE	Nuevo Sol	PEN	2
Philippines	PH	Philippine Peso	PHP	2
Pitcairn Island	PN	New Zealand Dollar	NZD	2
Poland	PL	Zloty	PLZ	2
Portugal	PT	Portuguese Escudo	PTE	0
Puerto Rico	PR	US Dollar	USD	2
Qatar	QA	Qatari Rial	QAR	2
Reunion	RE	French Franc	FRF	2
Romania	RO	Leu	ROL	2
Russia	RU	Russian Ruble	RUR	2
Rwanda	RW	Rwanda Franc	RWF	0
St Kitts and Nevis	KN	East Caribbean Dollar	XCD	2
St Lucia	LC	East Caribbean Dollar	XCD	2
St Vincent and the Grenadines	VC	East Caribbean Dollar	XCD	2

ISO Country and Currency Codes				(Part 9 of 11)
Country Name	Country Code	Currency Name	Currency Code	Currency Fraction
Samoa	WS			
San Marino	SM	Italian Lira	ITL	0
São Tomé and Principe	ST	Dobra	STD	2
Saudi Arabia	SA	Saudi Riyal	SAR	2
Senegal	SN	CFA Franc BCEAO	XOF	0
Seychelles	SC	Seychelles Rupee	SCR	2
Sierra Leone	SL	Leone	SLL	2
Singapore	SG	Singapore Dollar	SGD	2
Slovakia	SK	Slovak Koruna	SKK	2
Slovenia	SI	Tolar	SIT	2
Solomon Islands	SB	Solomon Islands Dollar	SBD	2
Somalia	SO	Somali Shilling	SOS	2
South Africa	ZA	Financial Rand	ZAL	2
South Africa	ZA	Rand	ZAR	2
Spain	ES	Spanish Peseta	ESP	0
Sri Lanka	LK	Sri Lanka Rupee	LKR	2
St Pierre and Miquelon	PM	French Franc	FRF	2
St Helena	SH	St Helena Pound	SHP	2
Sudan	SD	Sudanese Dinar	SDD	2
Suriname	SR	Surinam Guilder	SRG	2
Svalbard and Jan Mayen Islands	SJ	Norwegian Krone	NOK	2
Swaziland	SZ	Lilangeni	SZL	2
Sweden	SE	Swedish Krona	SEK	2
Switzerland	CH	Swiss Franc	CHF	2
Syrian Arab Republic	SY	Syrian Pound	SYP	2
Taiwan	TW	New Taiwan Dollar	TWD	2
Tajikistan	TJ	Russian Ruble	RUR	2

ISO Country and Currency Codes				(Part 10 of 11)
Country Name	**Country Code**	**Currency Name**	**Currency Code**	**Currency Fraction**
Tanzania, United Republic of	TZ	Tanzanian Shilling	TZS	2
Thailand	TH	Baht	THB	2
Togo	TG	CFA Franc BCEAO	XOF	0
Tokelau	TK	New Zealand Dollar	NZD	2
Tonga	TO	Pa'anga	TOP	2
Trinidad and Tobago	TT	Trinidad and Tobago Dollar	TTD	2
Tunisia	TN	Tunisian Dinar	TND	3
Turkey	TR	Turkish Lira	TRL	2
Turkmenistan	TM	Manat	TMM	2
Turkmenistan	TM	Russian Ruble	RUR	2
Turks and Caicos Islands	TC	US Dollar	USD	2
Tuvalu	TV	Australian Dollar	AUD	2
Uganda	UG	Uganda Shilling	UGX	0
Ukraine	UA	Karbovanet	UAK	2
United Arab Emirates	AE	UAE Dirham	AED	2
United Kingdom	GB	Pound Sterling	GBP	2
United States	US	US Dollar	USD	2
United States	US	US Dollar, Next Day Funds	USN	2
United States Minor Outlying Islands	UM	US Dollar	USD	2
Uruguay	UY	Peso Uruguayo	UYU	2
Uzbekistan	UZ	Russian Ruble	RUR	2
Vanuatu	VU	Vatu	VUV	0
Vanuatu	VU	Tala	WST	2
Vatican City State	VA	Italian Lira	ITL	0
Venezuela	VE	Bolivar	VEB	2

	ISO Country and Currency Codes			(Part 11 of 11)
Country Name	**Country Code**	**Currency Name**	**Currency Code**	**Currency Fraction**
Vietnam	VN	Dong	VND	2
Virgin Islands (British)	VG	US Dollar	USD	2
Virgin Islands, U.S.	VI	US Dollar	USD	2
Wallis and Futuna Islands	WF	CFP Franc	XPF	0
Western Sahara	EH	Moroccan Dirham	MAD	2
Yemen, Republic of	YE	Yemeni Rial	YER	2
Yugoslavia	YU	Yugoslavian Dinar	YUN	2
Zaire	ZR	New Zaire	ZRN	2
Zambia	ZM	Kwacha	ZMK	2
Zimbabwe	ZW	Zimbabwe Dollar	ZWD	2
		European Composite Unit (EURCO)	XBA	5
		European Currency Unit (ECU)	XEU	2
		European Monetary Unit (EMU-6)	XBB	5
		European Unit of Account-9 (EUA-17)	XBD	5
		European Unit of Account-9 (EUA-9)	XBC	5
		Gold	XAU	5
		Gold-Franc (Special Settlement Currency)	XFO	5
		Palladium	XPD	5
		Platinum	XPT	5
		SDR International Monetary Fund (IMF)	XDR	5
		Silver	XAG	5

ISO Country and Currency Codes				(Part 12 of 11)
Country Name	**Country Code**	**Currency Name**	**Currency Code**	**Currency Fraction**
		Transactions Without Currency	XXX	5
		UIC-Franc (Special Settlement Currency)	XFU	5