



*The Depository Trust & Clearing Corporation*

## **Data Delivery Service: 26.01 Descriptive Update and Master Files**

Contains specifications for:

- International Message
- Descriptive Update & Master Messages
- Agent Update & Master Messages

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## Document Version

This document was written by DTCC Data Services in conjunction with the Business Systems and Documentation group, a group within the Customer Training and Information Products department. The following table details the releases of this document and the changes incorporated into each release.

This document contains the first release of specifications, which will be updated and modified when additional phases are completed and/or new features and/or information is added. Should you have any questions regarding this document or its contents, please contact John Yelle at jyelle@dtcc.com.

**Table 1: Document Change History**

Version	Date	Summary
1.0	11/24/00 - Draft	First draft of document.
1.1.0	12/26/00 - Draft	Reviewed draft of document
1.1.1	01/08/01 - Draft	Overview and delivery text
1.1.2	01/24/01 - Draft	Departmental release and review
1.1.3	02/06/01 - Draft	Inclusion of DIVANN format
1.1.4	02/08/01 - Draft	Submission for review by DMD Glossary Sub-Committee
1.2.0	05/30/01 - Draft	Pilot documentation
1.2.1	06/13/01	Final Draft
1.3.1	05/14/02	Updated
1.4	10/21/03	Updated
1.5	05/09/05	Updated
1.6	10/13/08	Added information for new file 'LTDMST' along with new message type 'L01' for this file only. Also added two new indicators: OA Timeliness Attestation and Spanish Tax Withholding Indicator. One to message type D01 and one to D06.
2.0	11/05/2009	Build America Project added the following fields: Tax Credit in Lieu of Interest; Tax Credit Bond Type; Tax Credit Rate; Tax Credit Record Date – Number of Days; Tax Credit Record Date – Number of Days Business/Calendar Indicator; Tax Credit Record Date – Fixed Date; Tax Credit Payment Frequency; Tax Credit First Payment Date; Stock for Maturity Indicator; Extended Maturity Indicator; Sovereign Debt Indicator; CNS Eligibility Indicator
2.1	01/29/2010	Final layout changes for Build America Bonds project
2.2	06/06/2011	Added Global Lock and Global Lock Reason to D06 data records (positions 158-159) (Previously part of filler).

**Note** The digit *after* the decimal should be incremented after each draft (e.g., 1.0, 1.1, 1.2, etc.). The digit *before* the decimal should be incremented only if there has been a major design change or enhancement to a project (e.g., 1.0, 2.0, 3.0...). Do not confuse the project version number (e.g., SPEED 5.7) with the document version number (e.g., *SPEED 5.7 Business Requirements, Version 1.0*).

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### Introduction/Background

The Data Delivery Service consists of a series of multiple message types that cover eligibility, formal or legal issue descriptions, agent information and event data (corporate actions, distributions and redemptions). The file delivery consists of end-of-day activity or master files segmented by six DTC product types specifically Equities, Corporate Fixed Income, Municipals, Government, Mortgage/Asset Backed and Money Market Instruments. The Data Delivery Service is looking to address its customers' need to centralize and standardize security information, by providing this data directly into their systems.

The Data Delivery Service provides in a file delivery the same information that is presented in the PTS function GWIZ. Introduced in August 2000, GWIZ combines into a single application expanded security information with up-to-the-minute data on Corporate Actions, Distributions and Redemptions. The service covers the full universe (over two million) DTC eligible securities. The PTS application includes enhanced search capabilities and improved navigation, providing faster access with fewer keystrokes to more information from traditional PTS functions. Combined with a browser application currently under development, these three services constitute the suite of services that aggregate information derived from DTC's operations and present this data in a consolidated format.

## Message Handling

### Standard Message Starter

Attached is the listing of the initial 31 characters of most messages with the exception of the header, trailer and agent records.

Position	Length	Format	Field Name	Description
1 – 2	3	Character	Message Type	The type of Message. The value is I01 (International).
4 – 9	6	Numeric	Message Sequence Number	Identifies the sequence number within the Message type. Initialized to 000001.
10 – 10	1	Character	Message Status Type	Indicates if DTC is adding a new message or updating an existing message. The values are: <ul style="list-style-type: none"><li>• A: Add</li><li>• U: Update</li><li>• M: Matured (only in S01 and D03 messages)</li><li>• D: Delete (only in S01, D03, and A02 messages)</li></ul>
11 – 19	9	Character	Issue Identifier	The 9-character CUSIP number.
20 – 31	12	Character	International Identifier	The 12-character ISIN (International Securities Identification Number) number, if available.

### Programmer notes

- Each message. is 300 characters in length.
  - Currently all messages have filler that allows for additional data to be appended to the message.
  - Programs developed for messages should reflect that these filler components would be filled with data at some juncture.
    - Programs should not abend if data is appended to the filler area of the message.
    - Programs should be able to store and potentially retrieve data from these filler areas.
  - Should the entire message be filled, additional messages can be added to the message type that includes additional information.
- The Header message provides details regarding the file, date of creation.
- The Trailer message provides details on the number of records processed and indicates the end of file.
- Data Messages all start with the same initial 31 characters that provide the following information:
  - Message Type
    - Referencing the type of message from the previous table.
    - This allows the user to focus on (or disregard) messages that contain specific information of interest.
    - An alphanumeric identifier allows for expanding the number of message type for additional data.
  - Message Sequence number
    - This number is initialized at 000001.
    - If additional data is required for a security, such as a series of events, these would be repeated and the counter incremented.
  - Message Status Type
    - Indicates whether the record is an add, change or deletion.
  - Security Identifier

## Data Delivery Service

- Every record contains the applicable issue or international identifier that is unique to that security.
- The inclusion of this identifier on each records offers the user maximum flexibility in downloading messages to different media such as spreadsheets or applications and parse the data.
  - The intent is to maximize the availability of the data both to mainframes and discrete applications and therein assisting organizations in standardizing information from DTC.
- Deletions and Security maturity are handled as follows:
  - Note in the Standard Message Starter that securities that have matured or are deleted are only designated in the Descriptive Message D03 (unless receiving the International message).
    - M: Matured (only in S01 and D03 messages)
    - D: Delete (only in S01, D03, and A02 messages)
- Date Handling
  - Oftentimes a date associated with a distribution is not provided to DTCC. In these cases, default values are supplied in the date fields and can be disregarded. These include the following values:
    - 00010101
    - 99999999
    - 00000000
    - blank
  - Securities that have a maximum maturity date, such as a perpetual bond, will have the following value:
    - 99991231
- The information contained in this service is derived from DTCC's mainframe systems which are compiled in EBCDIC. As such, certain values signaling positive and negative are presented in EBCDIC form. These "signed" fields are indicated by the value "S" prior to format (i.e. S9(7)V9(8)). The translations are listed below:

Last Integer Value	Positive	Negative
0	{	}
1	A	J
2	B	K
3	C	L
4	D	M
5	E	N
6	F	O
7	G	P
8	H	Q
9	I	R



### File Descriptions and Acronyms

Listed below are the files currently available. All files contain a series of messages grouped together, and include both header and trailer records. Volumes are reported in the average number of records to be expected. The descriptive and activity files are segmented by DTC Product types compiled from the DTC sub-issue types used for depository processing and defined in Appendix II - DTC Security Classification.

### International Update Files - Messages and Volumes

Listed below are the files that can currently be requested by International Central Security Depositories (ICSDs).

File Name	File Type	Security Type	Contains Records	Expected Volume
CSDCUP	Description Updates	Managed List	H01, S01, T01	300
REGSUP	New Securities	Regulation S Securities	H01, S02, T01	30

### International Master Files - Messages & Volumes

Listed below are the files that are currently available.

File Name	File Type	Security Type	Contains Records	Expected Volume
CSDMST	Description Updates	Managed List	H01, S01, T01	1,500
REGSMF	Master File	Regulation S Securities	H01, S02, T01	8,000

## Data Delivery Service

### Descriptive Update Files - Messages and Volumes

Listed below are the change files that can currently be requested.

File Name	File Type	Security Type	Contains Records	Expected Volume
AMBCUP	Descriptive Change	Asset and Mortgage backed	H01, D01, D02, D03, DO5, DO6, A01, T01	4,000
CRPCUP	Descriptive Change	Corporate Bond, Derivatives and Trusts	H01, D01, D02, D03, DO5, DO6, A01, T01	4,000
EQTCUP	Descriptive Change	Equity and Equity Type	H01, D01, D02, D03, DO5, DO6, A01, T01	6,400
GOVCUP	Descriptive Change	Government	H01, D01, D02, D03, DO5, DO6, A01, T01	4,000
MMICUP	Descriptive Change	Money Market Instruments (CP, VRDO, MTNs, etc.)	H01, D01, D02, D03, DO5, DO6, A01, T01	20,000
MUNCUP	Descriptive Change	Municipals	H01, D01, D02, D03, DO5, DO6, A01, T01	20,000

### Descriptive Master Files - Messages & Volumes

Listed below are the master files that can be requested separately. Due to their large size, the files will only be generated on weekends and will require a pre-arranged scheduling with Data Services.

File Name	File Type	Security Type	Contains Records	Expected Volume
AMBMST	Descriptive Master	Asset and Mortgage backed	H01, D01, D02, D03, DO5, DO6, A01, T01	4,000,000
CRPMST	Descriptive Master	Corporate Bond, Derivatives and Trusts	H01, D01, D02, D03, DO5, DO6, A01, T01	1,200,000
EQTMST	Descriptive Master	Equity and Equity Type	H01, D01, D02, D03, DO5, DO6, A01, T01	1,000,000
GOVMST	Descriptive Master	Government	H01, D01, D02, D03, DO5, DO6, A01, T01	300,000
MMIMST	Descriptive Master	Money Market Instruments (CP, VRDO, MTNs, etc.)	H01, D01, D02, D03, DO5, DO6, A01, T01	1,300,000
MUNMST	Descriptive Master	Municipals	H01, D01, D02, D03, DO5, DO6, A01, T01	12,000,000

## Data Delivery Service

### Misc Files - Messages and Volumes

Listed below are the files that can currently be requested

File Name	File Type	Security Type	Contains Records	Expected Volume
LTD MST	All added and current Limited Eligibility Securities	New and Current	H01, D01, D02, D03, DO5, DO6, A01, L01, T01	1,000

### Agent Files - Messages and Volumes

Listed below are the files that can currently be requested

File Name	File Type	Security Type	Contains Records	Expected Volume
AGNTUP	Agent Update	Agent changes	H01, A02, T01	150
AGNTMF	Agent Master	Listing of all agent information for MMIs only	H01, A02, T01	15,000
NAMMMF	Agent Master	Listing of all agent information for non-MMIs	H01, A02, T01	48,000

### Distribution Announcement Files - Messages

Listed below are Distribution (dividend, interest payments and forward splits) announcement files that are available. The specifications for these files are documented in Data Delivery Service - Distribution Announcements.

File Name	File Type	Security Type	Contains Records
ANAMUP	Distribution Announcements	Asset and Mortgage backed	H01, E01, E02, E03, T01
ANCBUP	Distribution Announcements	Corporate Bond, Derivatives and Trusts	H01, E01, E02, E03, T01
ANEQUP	Distribution Announcements	Equity and Equity Type	H01, E01, E02, E03, T01
ANGVUP	Distribution Announcements	Government	H01, E01, E02, E03, T01
ANMMUP	Distribution Announcements	Money Market Instruments (CP, VRDO, MTNs, etc.)	H01, E01, E02, E03, T01

## Data Delivery Service

<b>File Name</b>	<b>File Type</b>	<b>Security Type</b>	<b>Contains Records</b>
AMUNUP	Distribution Announcements	Municipals (not covered in MUNANN)	H01, E04, T01
AMMNUP	Distribution Announcements	Municipals Standard Announcements Via CCF File MUNANN	H01, E04, T01

### File Delivery

The files will be delivered via FTP (file transfer protocol) or NDM (Network Data Mover). Subscribers who request the file will be required to provide contact information to their Data Services or Relationship Management contact which will be forwarded to DTCC's Interface Planning Group (IPG).

Your e-mail should state the service(s) you are requesting and contain the following information.

Official Company Name:

Company Address:

DTCC Sign-on/Participant Numbers: **to be confirmed or assigned by IPG**

Contact Name:

Contact Title:

Contact Telephone Number

Contact E-mail Address

General Request Description: **Establish File delivery of .....**

If your firm currently communicates with DTC, please provide the sign-on/participant number used to receive/send information, and specify whether a dial-up connection or dedicated line is used.

If you are a new user to DTCC and plan on using a dial-up, Interface Planning will forward information regarding establishing connectivity via ATT's AGNS network.

Your responses will be forwarded to the Interface Planning Group who manage the set-up of communications and coordinate the scheduling of the processes to make the files available.

Master files will only be delivered via FTP. Master files will need to be scheduled on a pre-arranged basis with Data Services and the Interface Planning Group, minimum at least two weeks in advance. The files will be generated during a weekend and be available for pick-up the next business day.

### Support and Assistance

If you have any questions regarding this document or any issue regarding the information or delivery thereof, please contact the Product Manager, the Data Services Sales Manager or your Relationship Manager.

- **Product Manager:** John Yelle
  - Phone: (212) 855-1590
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## Data Delivery Service

### Message Formats

#### Header Message - H01

The Header message is the initial message attached to every file type.

Position	Length	Format	Field Name	Description
1 – 3	3	Character	Message Type	Identifies the message type. The value is H01 (Header Message).
4 – 9	6	Character	Message Sequence Number	Identifies the sequence number within the message type. Initialized to 000001.
10 – 17	8	Numeric	File Date	The date the file was processed in CCYYMMDD format.
18 – 25	8	Character	File Name	The name of the file. The values are provided in the <b>File Descriptions and Acronyms</b> section.
26 – 300	273	Character	Filler	Reserved for future use.

#### International Message - I01

The International Message is currently used exclusively for CSD's (Central Security Depositories).

Position	Length	Format	Field Name	Description
1 – 3	3	Character	Message Type	The type of Message. The value is I01 (International).
4 – 9	6	Numeric	Message Sequence Number	Identifies the sequence number within the Message type. Initialized to 000001.
10 – 10	1	Character	Message Status Type	Indicates if DTC is adding a new message or updating an existing message. The values are: <ul style="list-style-type: none"><li>• A: Add</li><li>• U: Update</li><li>• M: Matured</li><li>• D: Delete.</li></ul>
11 – 19	9	Character	Issue Identifier	The 9-character CUSIP number.
20 – 31	12	Character	International Identifier (ISIN)	The 12-character ISIN (International Securities Identification Number) number, if available.
32 – 91	60	Character	Issuer Name	The first occurrence of the formal Issuer name appearing on the Prospectus or Offering Statement that is supplied to DTC during eligibility processing. This description provides a consistent issuer name across the issuance and issues. The Issuer or Issuing Agent may also provide the description if the security does not go through the eligibility process (e.g., for MBS securities).

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### International Message - I01 (continued)

Position	Length	Format	Field Name	Description
92 – 94	3	Character	Issuer Country of Origin	The three-character ISO country code (for non-United States and territory securities) or the two-digit state code for municipal and corporate securities issued in the United States and its territories. This field contains the state code of issuance for municipal securities, and the state code of incorporation for corporate securities. The values are contained in <b>Appendix IV - ISO Country Codes</b> .
95 – 95	1	Character	Issue Type	The type of security. The values are: <ul style="list-style-type: none"> <li>• 1: Equity</li> <li>• 5: Corporate Debt</li> <li>• 7: Municipal Debt.</li> </ul>
96 – 98	3	Character	Sub-Issue Type	The type of issue or sub-issue used by DTC to classify a security. The values are contained in <b>Appendix I - DTC Sub-Issue Types</b> .
99 – 99	1	Character	Deliver Order Chill Activity Flag	Indicates whether the security is eligible for DTC Deliver Order activity. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No.</li> <li>• Blank: Not Applicable / Not Available</li> </ul>
100 – 300	201	Character	Filler	Reserved for future use.

## Data Delivery Service

### Issuer Message - D01

The Issuer Message contains Issuer information about the DTC search and short description, state and domicile of issuance.

Position	Length	Format	Field Name	Description
1 – 3	3	Character	Message Type	The type of Message. The value is D01 (Issuer).
4 – 9	6	Numeric	Message Sequence Number	Identifies the sequence number within the message type. Initialized to 000001.
10 – 10	1	Character	Message Status Type	Indicates whether DTC is adding a new Message or updating an existing Message. The values are: <ul style="list-style-type: none"> <li>• A: Add</li> <li>• U: Update</li> </ul>
11 – 19	9	Character	Issue Identifier	The 9-character CUSIP number.
20 - 31	12	Character	International Identifier	The 12-character ISIN (International Securities Identification Number) number.
32 - 34	3	Character	State of Issuance	The two-digit state code for municipal and corporate securities issued in the United States, its territories and Canadian provinces. This field contains the state code of issuance for municipal securities, and the state code of incorporation for corporate securities. The values are contained in <b>Appendix III - ISO United States &amp; Canadian Provinces.</b>
35 - 37	3	Character	Country of Issuance	The three-digit ISO country code (for non-United States and territory securities). The values are contained in <b>Appendix IV - ISO Country Codes.</b>
38 - 97	60	Character	Issuer Name	The first occurrence of the formal Issuer name appearing on the Prospectus or Offering Statement that is supplied to DTC during eligibility processing. This description provides a consistent issuer name across the issuance and issues. The Issuer or Issuing Agent may also provide the description if the security does not go through the eligibility process (e.g., for MBS securities).
98 - 127	30	Character	DTC Short Description	The abbreviated security description traditionally supplied in DTC files.
128 – 134	7	Character	Corresponding Base CUSIP	Under the DTC MMI discount numbering scheme program, issuers request dual base CUSIPs from the CUSIP Service Bureau. The base CUSIPs are assigned and used based upon leap year and subsequent even and odd years. These base CUSIP numbers allow the IPA to seamlessly issue and process transactions. The Corresponding Base CUSIP is the one associated with the selected security.
135 – 135	1	Character	Base CUSIP Check Digit	The check digit for the current Base CUSIP.



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Position	Length	Format	Field Name	Description
136 - 136	1	Character	Spanish Tax Withholding Indicator	<p>Indicates whether the security is subject to Spanish Tax Withholding regulations.</p> <p>Values:</p> <p>“Y” – Subject to Spanish Tax Withholding regulations</p> <p>NOTE: To limit Spanish tax withholding, client name and country of residence will be disclosed to the Issuer/Spanish Govt. DO NOT PURCHASE IF YOU DO NOT CONSENT.</p> <p>‘N’, Blank: Not Applicable, Not Available</p> <hr/> <p>Under Spanish tax regulation, investors in preferred securities, senior notes or subordinated notes listed on an organized market in an OECD country, with no tax residency in Spain and not acting through a permanent establishment in Spain, are exempt from the Spanish Non-resident Income Tax ("NRIT"), provided certain information obligations relating to identity and residence of beneficial owners entitled to receive distributions are complied with. If these information obligations are not complied with, Spanish issuers have to withhold the NRIT.</p>
137 – 300	164	Character	Filler	Reserved for future use.

## Data Delivery Service

### Issuance Message - D02

The Issuance Message contains issue date, currency, and issuance amount information.

Position	Length	Format	Field Name	Description
1 – 3	3	Character	Message Type	The type of Message. The value is D02 (Issuance).
4 – 9	6	Numeric	Message Sequence Number	Identifies the sequence number within the message type. Initialized to 000001.
10 – 10	1	Character	Message Status Type	Indicates whether DTC is adding a new message or updating an existing message. The values are: <ul style="list-style-type: none"> <li>• A: Add</li> <li>• U: Update</li> </ul>
11 – 19	9	Character	Issue Identifier	The 9-character CUSIP number.
20 - 31	12	Character	International Identifier (ISIN)	The 12-character ISIN (International Securities Identification Number) number.
32 – 39	8	Character	Expected Issue Date	The date when the security is released or sold; for equity securities in <i>CCYYMMDD</i> format. For MMI-eligible securities the Message date is equivalent to the issue date.
40 - 42	3	Character	Issuance Currency	The three-character ISO currency code of the original issuance. The values are contained in <b>Appendix V - ISO Currency Codes</b> .
43 - 45	3	Character	Income Currency	The three-character ISO currency code in which income would be paid for a security. The values are contained in <b>Appendix V - ISO Currency Codes</b> .
46 - 58	13	Numeric	Original Issuance Amount	The original offering amount that does not include the over allotment of shares in the new issue. This amount typically applies to municipals and is always blank for MMI programs. In whole number format.
59 - 69	11	Numeric	Offering Shares	The number of shares initially issued for this security; for equity issues in whole number format.
70 - 76	7	Numeric	Offering Price	The original offering share price; for equity issues in 9(4)V9(3) format.
77 - 77	1	Character	IPO Tracking Indicator	A value that indicates whether a lead manager requested IPO tracking for this security. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available</li> </ul>
78 - 85	8	Numeric	IPO Start Date	The start date of the IPO tracking, in <i>CCYYMMDD</i> format.
86 - 86	1	Character	DTC Eligibility Indicator	A value that indicates whether the security is eligible for DTC's services. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available</li> </ul>

## Data Delivery Service

### Issuance Message - D02 (continued)

Position	Length	Format	Field Name	Description
87 - 94	8	Numeric	Prospectus Received	The date that DTC received a Prospectus or Offering Statement for a given security. Displayed in <i>CCYYMMDD</i> format.
95 - 103	9	Numeric	Minimum Denomination	A numeric minimum denomination for trading (typically the number of shares or bonds or the principal amount), in whole number format.
104 - 112	9	Numeric	Multiple Denomination	A numeric amount of issuance for uniquely denominated securities, in whole number format.
113 - 113	1	Character	Issuance Indicator	Indicates whether the issuance is original or secondary. The values are: <ul style="list-style-type: none"> <li>• O: Original</li> <li>• S: Secondary</li> <li>• Blank: Not Applicable / Not Available</li> </ul>
114 - 114	1	Character	Issue Status Code	Possible values are: S = Short First Payment L = Long First Payment Y = Yearly E = Payment Omitted D = Default Space = First Payment is Regular
115-300	186	Character	Filler	Reserved for future use

## Data Delivery Service

### Issue Message - D03

The Issue Message contains specific coupon, maturity, registration, exchange, issue amount and amount outstanding information.

Position	Length	Format	Field Name	Description
1 - 3	3	Character	Message Type	The type of Message. The value is D03 (Issue).
4 - 9	6	Numeric	Message Sequence Number	Identifies the sequence number within the message type. Initialized to 000001.
10 - 10	1	Character	Message Status Type	Indicates whether DTC is adding a new message or updating an existing message. The values are: <ul style="list-style-type: none"> <li>• A: Add</li> <li>• U: Update</li> <li>• M: Matured</li> <li>• D: Delete.</li> </ul>
11 - 19	9	Character	Issue Identifier	The 9-character CUSIP number.
20 - 31	13	Character	International Identifier	The 12-character ISIN (International Securities Identification Number) number.
32 - 44	13	Numeric	Amount Outstanding	The number of securities (either par amount or shares) that DTC "Cede & Co" is listed as the holder of record, in whole number format. This is listed in par amount for fixed income securities and shares for equity securities.
45 - 51	7	Numeric	Coupon/Interest Rate	The coupon or interest rate. This field does not appear for equity securities. The rate is in 9(3)V9(4) format. The field is zero-filled for discount program MMI securities and others without a rate. For variable rate securities, the value is indicated as one cent.
52 - 59	8	Numeric	Maturity Date	The maturity date in <i>CCYYMMDD</i> format. This field is not displayed for equity securities and equity mutual funds.
60 - 67	8	Numeric	Dated/Issue Date	One of the following dates, in <i>CCYYMMDD</i> format: <ul style="list-style-type: none"> <li>• Dated Date: the date of issuance and the date on which interest starts to accrue; for debt securities.</li> <li>• Issue Date: the date when the security is released or sold; for equity securities. For MMI-eligible securities the Message date is equivalent to the issue date.</li> </ul>
68 - 68	1	Character	Registration Type	The registration type of a security. The values are: <ul style="list-style-type: none"> <li>• B: Bearer</li> <li>• E, U, X: Book Entry</li> <li>• A, D, I: Interchangeable</li> <li>• M, R: Fully Registered.</li> </ul>

## Data Delivery Service

### Issue Message - D03 (continued)

Position	Length	Format	Field Name	Description
69 - 69	1	Character	Taxable Indicator	A value that indicates whether the security is subject to federal income taxes; for municipal securities only. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
70 - 70	1	Character	Rule 144A Indicator	A value that indicates whether a security is issued under SEC Rule 144A as a private placement. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
71 - 71	1	Character	Regulation S Indicator	A value that indicates whether the security is subject to Regulation S of the Federal Reserve Board. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
72 - 72	1	Character	Rule 3c-7 Indicator	A value that indicates whether a security is relying on the exemption from Section 3(C.) (7) of the Investment Company Act of 1940. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
73 - 80	8	Numeric	First Interest Pay Date	The first interest pay date for a fixed income security, in <i>CCYYMMDD</i> format.
81 - 90	10	Character	Ticker	The unique ticker symbol for trading.
91 - 105	15	Character	Exchange	The exchange on which the security you want information about is listed. The values are: <ul style="list-style-type: none"> <li>• AMEX: American Stock Exchange</li> <li>• NYSE: New York Stock Exchange</li> <li>• OTC: Over the Counter</li> <li>• NASDAQ: National Association of Securities Dealers Automated Quote.</li> </ul>
106 - 115	10	Character	Pool ID	The identifier applied to mortgage-backed securities.
116 - 116	1	Character	Global Issue	A value that indicates whether the security uses foreign clearance or settlement. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>

## Data Delivery Service

### Issue Message - D03 (continued)

Position	Length	Format	Field Name	Description
117 - 117	1	Character	Issue Type	Identifies the type of security. The values are: <ul style="list-style-type: none"> <li>• 1: Equity</li> <li>• 5: Corporate Debt</li> <li>• 7: Municipal Debt.</li> </ul>
118 - 120	3	Character	Sub-Issue Type	The type of issue or sub-issue used by DTC to classify a security. The values are contained in <b>Appendix I - DTC Sub-Issue Types</b> .
121 - 121	1	Character	Put Indicator	A value that indicates whether the issue has a put feature. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
122 - 122	1	Character	Call Indicator	A value that indicates whether the issue is subject to a call redemption. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
123 - 123	1	Character	Sinking Fund Indicator	A value that indicates whether a sinking fund provision applies to this security. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
124 - 124	1	Character	Prerefunded Indicator	A value that indicates whether an issue has funds that have been put aside to redeem the issue at its earliest call date. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
125 - 125	1	Character	Principal Amortization Indicator	A value that indicates whether the principal is subject to amortization. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
126 - 126	1	Character	Indexed Principal Indicator (MMIs Only)	A value that indicates whether the interest payments are linked to an index. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>

## Data Delivery Service

### Issue Message - D03 (continued)

Position	Length	Format	Field Name	Description
127 - 127	1	Character	Renewable Note Indicator (MMIs Only)	A value that indicates whether a MTN has a renewable feature. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
128 - 128	1	Character	Interest Step-up Indicator (MMIs Only)	A value that indicates whether the security has an interest rate step-up feature. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
129 - 129	1	Character	Interest Reset Indicator (MMIs Only)	A value that indicates whether the security has a rate reset feature. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
130 - 130	1	Character	Changeable Payment Indicator (MMIs Only)	A value that indicates whether the security can modify the payment amount or date. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
131 - 143	13	Numeric	Issue Amount	The amount issued specific to this security, in whole number format. Often a subset of the Original Issuance.
144 - 144	1	Character	Foreign Ordinary Processing Indicator	A value that indicates whether the security is eligible for foreign ordinary processing. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
145-146	2	Character	MBS Product ID	Describes the Different Types of MBS Bonds: For Values See Appendix VI.
147-148	2	Character	MBS Category ID	The Classification of the different terms that apply to MBS Bonds. For Values See Appendix VI.
149-149	1	Character	Tax Credit in Lieu of Interest Indicator	This field identifies whether a security is a Build America Bond that has a Tax Credit feature. The values 'Y' – yes, 'N' – no
150-150	1	Character	Tax Credit Bond Type	This field identifies the payment features associated with a Tax Credit security The values: '1' – combo for redemption and tax credit, '2' - combo for redemption, tax credit and interest

## Data Delivery Service

				<p>'3' – strip for tax credit</p> <p>'4' – strip for redemption</p> <p>'5' – strip for redemption and interest</p> <p>'6' –strip for interest</p>
151-159	9	Numeric	Tax Credit Rate	This field will contain the actual Tax Credit rate for the security. The first three digits represent dollars. The last six digits in the field represent cents.
160-162	3	Numeric	Tax Credit Record Date – Number of Days	This is the number of days the record date is going to be offset from the payment date.
163-163	1	Character	Tax Credit Record Date – Number of Days - Business/Calendar Indicator	This indicates whether the Record Date offset is specified as number of business or calendar days. Values: 'B' – business, 'C' - calendar
164-171	8	Character	Tax Credit Record Date – Fixed Date	This is the two pre-established record dates for the security ( the first four bytes contain the first record date with a format MMDD, and the last four bytes contain the second record date with the same format MMDD). Format MMDDMMDD
172-172	1	Character	Tax Credit Payment Frequency	This is the stated frequency for payments for the security. Values: '1' – Annual , '2' – semi-annual, '4' – quarterly, '8' - monthly
173-180	8	Character	Tax Credit First Payment Date	This is the date when the first interest payment on this security is due. Format CCYYMMDD
181-181	1	Character	Stock for Maturity Indicator	This field indicates whether a bond has the option to pay Maturity proceeds as Stock in stead of Cash. The values 'Y' – yes, 'N' – no
182-182	1	Character	Extended Maturity Indicator	This field indicates whether a bond has the option of extending its stated Maturity Date. The values 'Y' – yes, 'N' – no
183-183	1	Character	Sovereign Debt Indicator	This field identifies a bond as being Sovereign Debt – issued by a non-US Sovereign entity. The values 'Y' – yes, 'N' – no
184 – 300	117	Character	Filler	Reserved for future use.



## Data Delivery Service

### Descriptive Message - D05

The Descriptive Message contains formal issuance description information derived from DTC's eligibility process. This description comes from the prospectus or offering filing. In some cases, this description is supplied to DTC directly from contributors such as the MMI system and, therefore, may not represent a formal description.

Position	Length	Format	Field Name	Description
1 - 3	3	Character	Message Type	The type of Message. The value is D05 (Descriptive).
4 - 9	6	Numeric	Message Sequence Number	Identifies the sequence number within the message type. Initialized to 000001.
10 - 10	1	Character	Message Status Type	Indicates whether DTC is adding a new message or updating an existing message. The values are: <ul style="list-style-type: none"> <li>• A: Add</li> <li>• U: Update.</li> </ul>
11 - 19	9	Character	Issuer Identifier	The 9-character CUSIP number.
20 - 31	12	Character	International Identifier	The 12-character ISIN (International Securities Identification Number) number.
32 - 91	60	Character	Issue Description	The security description, which is the formal Issuer name appearing on the Prospectus or Offering Statement that is supplied to DTC during eligibility processing. The Issuer or Issuing Agent may also provide the description if the security does not go through the eligibility process (e.g., for MBS securities). This field consists of the first of the four lines (60 bytes each) of information.
92 - 271	180	Character	Issue Description	This field consists of the next three of the four lines (60 bytes each) of information.
272 - 300	29	Character	Filler	Reserved for future use.

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### Depository Status Message - D06

The Depository Status Message contains DTC processing and status information for the security.

Position	Length	Format	Field Name	Description
1 – 3	3	Character	Message Type	The type of Message. The value is D06 (Depository Status).
4 – 9	6	Numeric	Message Sequence Number	Identifies the sequence number within the message type. Initialized to 000001.
10 – 10	1	Character	Message Status Type	Indicates whether DTC is adding a new message or updating an existing message. The values are: <ul style="list-style-type: none"> <li>• A: Add</li> <li>• U: Update.</li> </ul>
11 – 19	9	Character	Issue Identifier	The 9-character CUSIP number.
20 – 31	12	Character	International Identifier	The 12-character ISIN (International Securities Identification Number) number.
32 – 32	1	Character	Same Day Fund Settlement Eligibility Indicator	A value that indicates whether the security is eligible to settle in same-day funds. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
33 – 33	1	Character	FAST COD & WT	FAST COD & WT - A value that indicates if the issue is eligible for DTC's <b>FAST COD &amp; WT (Full FAST)</b> service. The values are: <ul style="list-style-type: none"> <li>Y: Yes</li> <li>N: No</li> <li>Blank: Not Applicable / Not Available</li> </ul>
34 – 34	1	Character	Dividend Reinvestment Service Eligibility Indicator	A value that indicates whether the CUSIP is eligible for DTC's Dividend Reinvestment service. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
35 – 35	1	Character	Custody Service Eligibility Indicator	A value that indicates whether the CUSIP is eligible for DTC's Custody service. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
36 – 36	1	Character	Federal Book-Entry Eligibility Indicator	A value that indicates whether the CUSIP is Fed Book eligible. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>

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### Depository Status Message - D06 (continued)

Position	Length	Format	Field Name	Description
37 – 37	1	Character	Direct Registration Eligibility Indicator	A value that indicates whether the CUSIP is eligible for DTC's Direct Registration service. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
38 – 38	1	Character	Communications Issue Indicator	A value that indicates whether the issue is a communications issue. Valid values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
39 – 39	1	Character	Deposit Activity Chill Indicator	A value that indicates whether the issues were fully called, are maturing, or undergoing a reorganization. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
40 – 40	1	Character	Chill COD	The activity codes that apply to issues that were fully called, are maturing, or undergoing a reorganization. Selected transactions are currently unavailable for the security. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
41 – 41	1	Character	Chill WT	The activity codes that apply to issues that were fully called, are maturing, or undergoing a reorganization. Selected transactions are currently unavailable for the security. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
42 – 42	1	Character	Chill DO	The activity codes that apply to issues that were fully called, are maturing, or undergoing a reorganization. Selected transactions are currently unavailable for the security. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
43 – 43	1	Character	Chill Segregation	The activity codes that apply to issues that were fully called, are maturing, or undergoing a reorganization. Selected transactions are currently unavailable for the security. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>

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### Depository Status Message - D06 (continued)

Position	Length	Format	Field Name	Description
44 – 44	1	Character	Pledge Chill Indicator	The activity codes that apply to issues that were fully called, are maturing, or undergoing a reorganization. Selected transactions are currently unavailable for the security. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> </ul> Blank: Not Applicable / Not Available.
45 – 45	1	Character	Thin Issue Indicator	A value that indicates whether the issue is a thin issue. Valid values are: <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> <li>• Blank: Not Applicable / Not Available</li> </ul>
46 – 65	20	Character	Reserved	Reserved for future use.
66 – 66	1	Character	Fractional Shares	A value that indicates whether there are fractional shares associated with the issue. The values are: <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul> A fractional share is a unit of stock that is less than one full share. (e.g., if a shareholder participates in a dividend reinvestment program and the dividends being reinvested are not enough to purchase a full share at the market price, the shareholder will be credited with a fractional share until enough dividends accrue to purchase one full share.)
67 – 67	1	Character	Segregation 100 Number Eligibility Indicator	A value that indicates whether the issue is a segregated 100 issue. Valid values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
68 – 68	1	Character	Auto Certification Eligibility Indicator	A value that indicates whether the issue is eligible for DTC's auto certification program. Valid values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
69 – 69	1	Character	Non-Transferable Issue	Information about the status of whether a security can be moved or transferred between participants.
70 – 70	1	Character	Weekend/Holiday Indicator	One of the following that indicates if the dividend or interest payment occurs on a weekend or a holiday. The values are: <ul style="list-style-type: none"> <li>• B: Before</li> <li>• A: After.</li> </ul>

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Position	Length	Format	Field Name	Description
71 – 71	1	Character	Business/Calendar Indicator	A value that indicates whether a business day or calendar date is to be used for payment processing. The values are: <ul style="list-style-type: none"> <li>• B: Business</li> <li>• C: Calendar.</li> </ul>
72 – 119	48	Character	DTC Description (Long)	The 48-character DTC issue description.
120 - 139	20	Character	DTC Description (Short)	The 20-character DTC short issue description, typically system generated.
140 - 147	8	Character	Vault Location	The location of securities held by Cede & Co.
148 - 150	3	Character	Coupon Number	The next Coupon Number
151-151	1	Character	Networking for Equities Indicator	Indicates whether the security is eligible for DTCC's Networking for Equities program. Values: N: Security is not eligible for the Networking for Equities program Y: Security is eligible for the Networking for Equities program
152-152	1	Character	FAST WT	FAST WT - A value that indicates if the issue is eligible for DTC's FAST WT service only. The values are: Y: Yes N: No Blank: Not Applicable / Not Available
153-153	1	Character	Book Entry Only Security DRS Eligibility Indicator	"0" = Security is eligible for "WT" in statement form only at DTC. Certificates are available at the transfer agent. "1" = Security is eligible for "WT" in statement form only. "2" = Security is DRS eligible but not participating. Certificates only are available.  NOTE: A "space" in this field indicates that the issue is not DRS-eligible.
154 - 154	1	Character	Filler	Reserved for future use.

## Data Delivery Service

Position	Length	Format	Field Name	Description
155 -155	1	Character	OA Rate Timelines Attestation Code	<p>The values:            '1' – Conforming CUSIP            '2', '3' – Non conforming CUSIP</p> <p>This field is applicable only for Sub-Issue Type '540' CMO and '541' ABS</p> <p>Where:            Conforming means that this security is structured in a way that makes it likely for the final rate to be calculated and disseminated to DTC prior to the payable date.            and            Non-conforming means that this security is structured in a way that makes it unlikely for the final rate to be calculated and disseminated to DTC prior to the payable date.</p>
156-156	1	Character	CNS Eligibility Indicator	<p>Indicates whether a security is eligible for Continuous Net Settlement (CNS) through NSCC</p> <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> </ul>
157-157	1	Character	OFAC Sanctioned Indicator	<p>Indicates if security is restricted due to OFAC sanctions</p> <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> </ul>
158-158	1	Character	Global Lock Indicator	<p><b>This field indicates if the security is frozen and globally locked from any activity at DTC.</b></p> <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• Y – Yes, the Security is globally locked</li> <li>• N – No, the Security is not globally locked</li> </ul>
159-159	1	Character	Global Lock Reason	<p><b>This field provides a reason for the Global Lock. Valid values are space and from 0 to 9:</b></p> <ul style="list-style-type: none"> <li>• Space – Security is not globally locked. Reason is not applicable.</li> <li>• 0 – DTCC Applied Global Lock.</li> <li>• 1 – DTCC Applied Global Lock - Compliance Related</li> <li>• Values 2 through 9 are reserved for future use</li> </ul>
160 -300	141	Character	Filler	Reserved for future use.

## Data Delivery Service

### Agent Message - A01

The Agent Message identifies the agent(s) involved with the security. The agent identifier is blank if an agent is not applicable for a given security.

Position	Length	Format	Field Name	Description
1 - 3	3	Character	Message Type	The type of Message. The value is A01 (Agent).
4 - 9	6	Numeric	Message Sequence Number	Identifies the sequence number within the message type. Initialized to 000001.
10 - 10	1	Character	Message Status Type	Indicates whether DTC is adding a new message or updating an existing message. The values are: <ul style="list-style-type: none"> <li>• A: Add</li> <li>• U: Update</li> </ul>
11 - 19	9	Character	Issue Identifier	The 9-character CUSIP number.
20 - 31	12	Character	International Identifier	The 12-character ISIN (International Securities Identification Number) number.
32 - 39	8	Character	DDA Agent ID	The identification number of the Dividend Disbursing Agents that are registered for this security.
40 - 40	1	Character	MMI Indicator For Paying Agent	Indicates whether the Paying Agent is an MMI Paying Agent, and their identification number is actually a Participant ID. The values are: <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: Not Applicable / Not Available.</li> </ul>
41 - 48	8	Character	Paying Agent ID	The identification numbers of the Paying Agents that are registered for this security.
49 - 56	8	Character	Transfer Agent ID	The identification numbers of the Transfer Agents that are registered for this security.
57 - 64	8	Character	Remarketing Agent ID	The identification numbers of the Remarketing Agents that are registered for this security. The Remarketing Agent ID is the same as a participant ID.
65 - 72	8	Character	Redemption Agent ID	The identification numbers of the Redemption Agents that are registered for this security.
73 - 80	8	Character	Conversion Agent ID	The identification numbers of the Conversion Agents that are registered for this security.
81 - 88	8	Character	Information Agent ID	The identification numbers of the Information Agents that are registered for this security.
89 - 96	8	Character	Exchange Agent ID	The identification numbers of the Exchange Agents that are registered for this security.
97 - 104	8	Character	Trustee Agent ID	The identification numbers of the Trustee Agents that are registered for this security.
105 - 112	8	Character	Tender Agent ID	The identification numbers of the Tender Agents that are registered for this security.

## Data Delivery Service

### Agent Message - A01 (continued)

Position	Length	Format	Field Name	Description
113 – 113	1	Character	MMI Indicator For The Issuing Agent	Indicators that are set by the Issuing Agent. This appears only when the security is an MMI. This is required because the Agent ID for MMIs is actually the participant ID.
114 – 121	8	Character	Issuing Agent	The names and identification numbers of the Issuing Agents that are registered for this security. The Agents are grouped by function.
122 – 129	8	Character	DTC T/A Drop Agent ID	The names and identification numbers of the DTC Transfer Agents that are registered for this security. The Agents are grouped by function.
130 – 137	8	Character	External Custodian Agent	The identification numbers of the External Custodian Agents that are registered for this security
138 – 300	163	Character	Filler	Reserved for future use.



## Data Delivery Service

### Agent Descriptive Message - A02

The Agent Descriptive Message contains the DTC Agent ID, firm name, and address.

Position	Length	Format	Field Name	Description
1 – 3	3	Character	Message Type	Identifies the message type. The value is A02 (Agent Descriptive Master Message).
4 – 9	6	Character	Message Sequence Number	Identifies the sequence number within the message type. Initialized to 000001.
10 – 10	1	Character	Message Status Type	Indicates whether DTC is adding a new message or updating an existing message. The values are: <ul style="list-style-type: none"> <li>• A: Add</li> <li>• U: Update</li> <li>• D: Delete.</li> </ul>
11 – 19	9	Character	Filler	Reserved for future use.
20 – 31	12	Character	Filler	Reserved for future use.
32 – 39	8	Character	Agent ID	The DTC identification number for an agent.
40 – 41	2	Character	Agent Type	Agent Type '01' = Transfer Agent '02' = Paying Agent (non-MMI and MMI) '03' = Redemption Agent '04' = DDA '05' = Trustee '31' = Tender Agent '32' = Remarketing Agent '55' = MMI Issuing Agent
42 – 89	48	Character	Agent Name	The firm name for the agent
90 – 137	48	Character	Agent Address 1	The street or suite address for the agent.
138 – 185	48	Character	Agent Address 2	The street or suite address for the agent.
186 – 205	20	Character	Agent City	The city for the agent.
206 – 208	3	Character	Agent State	The state of operation for the agent. See ISO Code - Appendix III for further information.
209 – 211	3	Character	Agent Country	Country of operation for Agent. <b>See Appendix IV - ISO Country Codes</b> for further information.
212 – 220	9	Character	Agent Zip	The Postal Zip code.
221 – 229	9	Number	ABA Number	The American Bankers Association Number (if applicable).
230 – 234	5	Number	Agent Postal Code	The five-digit Postal Zip Code.
235-235	1	Character	Participant Agent Flag	Indicates whether the agent ID is also a Participant ID in the case of transfer or MMI Agents. The values are: Y = Yes N = No Blank = No
236 – 300	65	Character	Filler	Reserved for future use.

### Limited Eligibility Message – L01

This message type will only appear in the LTDMST file.

Position	Length	Format	Field Name	Description
1 - 3	3	Character	Message Type	The type of Message. The value is L01 (Limited Elig).
4 - 9	6	Numeric	Message Sequence Number	Identifies the sequence number within the message type. Initialized to 000001.
10 – 10	1	Character	Message Status Type	Indicates whether DTC is adding a new message or updating an existing message. The values are: <ul style="list-style-type: none"> <li>• A: Add</li> <li>• U: Update</li> </ul>
11 – 19	9	Character	Issue Identifier	The 9-character CUSIP number.
20 – 31	12	Character	International Identifier	The 12-character ISIN (International Securities Identification Number) number.
32 – 32	1	Character	Limited Eligibility flag	Indicates whether or not the security is a “Limited Eligibility” Security <ul style="list-style-type: none"> <li>• Y: Yes</li> <li>• N: No</li> <li>• Blank: N/A or not available.</li> </ul>
33 –35	3	Character	Eligibility country 1	There can be up to 5 countries of eligibility. The three-digit ISO country code (for non-United States and territory securities) as a 3 char code will be used. Value will be spaces if no country is found.
36 –38	3	Character	Eligibility country 2	There can be up to 5 countries of eligibility. The three-digit ISO country code (for non-United States and territory securities) as a 3 char code will be used. Value will be spaces if no country is found.
39 –41	3	Character	Eligibility country 3	There can be up to 5 countries of eligibility. The three-digit ISO country code (for non-United States and territory securities) as a 3 char code will be used. Value will be spaces if no country is found.
42 –44	3	Character	Eligibility country 4	There can be up to 5 countries of eligibility. The three-digit ISO country code (for non-United States and territory securities) as a 3 char code will be used. Value will be spaces if no country is found.
45 –47	3	Character	Eligibility country 5	There can be up to 5 countries of eligibility. The three-digit ISO country code (for non-United States and territory securities) as a 3 char code will be used. Value will be spaces if no country is found.

### Trailer Message - T01

The Trailer Message is the last message that is attached to every file type.

Position	Length	Format	Field Name	Description
1 – 3	3	Character	Message Type	Identifies the message type. The value is T01 (Trailer Message ).
4 – 9	6	Character	Message Sequence Number	Identifies the sequence number within the message type. Initialized to 000001.
10 -17	8	Numeric	Total Messages	The total number of messages on the file, including the header, detail, and trailer message types.
18 - 300	283	Character	Filler	Reserved for future use.

**Appendix I - DTC Sub-Issue Types**

<b>Value</b>	<b>Description</b>
(blank)	Not Applicable
000	Not Applicable
005	Equity
010	Common Stock
011	Convertible Common Stock
020	Preferred Stock
022	Preferred Stock REIT
023	Convertible Preferred Stock
024	Tender Rate Preferred Stock
030	Limited Partnership
040	CMO Denom in "Units" or "Undivided Interest"
041	ABS Denom in "Units" or "Undivided Interest"
042	Issue Denom in "Units" or "Undivided Interest"
102	Auction Rate Preferred Stock (ARPS)
110	American Depositary Receipt (ADR)
111	Depositary Share
112	Municipal Option Call Right
117	Exchange Traded Funds (ETF)
120	MMI Preferred Stock (in CP-like mode)
125	Sealed Envelope
130	Real-Estate Investment Trust (REIT)
310	Municipal Bond
311	Municipal Note
312	Municipal Auction Rate Note (ARN)
313	Municipal Variable Mode Obligation (VMO)
314	Municipal Variable Rate Demand Obligation (VRDO)
315	Municipal Insured Custodial Receipt
320	MMI Municipal VRDO/CP
330	MMI Municipal Commercial Paper
340	Bearer, Callable Zero Coupon Bond
450	GNMA REMIC
451	GNMA Pass through
452	GNMA Serial Note
500	Corporate Bond (CB) or Global Corp Bond (GCB)
502	MMI Bankers' Acceptance Note (BA)
504	MMI Institutional Certificates of Deposit
505	Certificated Money Market Instrument
506	Certificated Money Market – Periodic Payer
507	Certificates of Deposit
510	CPI Interest at Maturity (IAM) Commercial Paper
511	Periodic Payment Commercial Paper
520	CPI Discount Commercial Paper (CP)
525	MMI Corporate Commercial Paper
526	MMI Corporate VRDO/CP
530	MTN Medium Term Note
531	MMI Deposit Note

**Appendix I - DTC Sub-Issue Types** *(continued)*

<b>Value</b>	<b>Description</b>
532	MMI Medium-Term Bank Note
533	MMI Medium Term Note
540	Collateralized Mtge Obligation or Global CMO
541	Asset-Backed Security (ABS) or Global ABS (GABS)
542	Non-CMO/ABS Amortizing Issue
550	MMI Short-Term Bank Note
551	Z CPN Denom in Initial Principal Amt
560	MMI Discount Note
571	Corporate Auction Rate Note
572	Convertible Corporate Debt
573	Corporate Variable Mode Obligation (CVMO)
574	Corporate Short-Term Note
575	Corporate Debenture
576	Corporate Variable Rate Demand Obligation (VRDO)
577	Corporate Insured Custodial Receipt
578	Tender Rate Note
579	Zero Coupon Bond
601	Government Security
602	Government Trust Certificate
603	Junk and Treasury Growth Receipt (JGR)
610	US Treasury Security
611	US Treasury Bill
612	US Treasury Note
613	US Treasury Bond
620	US Government Agency Security
650	Government Nat'l Mortgage Association (GNMA)
651	REMIC (Real Estate Mtge Investment Conduit)
652	GNMA Serial Note
700	Package
704	Corporate Debt Derivative
705	Equity Derivative
706	Municipal Derivative
708	Municipal Amortized Issue
710	Option Derivative
720	Warrant
730	Right
760	Mutual Fund
761	Closed End Fund
780	Equity Unit
781	Debt Unit
790	Unit Investment Trust (UIT) - Nuveen Only
791	Global Unit Trust
795	Unit Investment Trust (UIT)

**Appendix II - DTC Security Classification**

This table contains the security classifications, the issue types and the sub-issue types within each security classification.

<b>Security Classification</b>	<b>If the security has Issue type of:</b>	<b>And has a sub-issue type of:</b>	<b>UPDATE FILE NAME</b>	<b>MASTER FILE NAME</b>
Equity	1	005, 010, 011, 020, 022, 023, 024, 030, 042, 102, 110, 111, 700, 705, 710, 720, 730, 780	EQTCUP	EQTMST
Funds/Trusts	1	117, 130, 760, 761, 762, 781, 790, 791, 795	CRPCUP	CRPMST
Corporate Fixed Income	5	340, 500, 542, 571, 572, 573, 574, 575, 576, 577, 578, 579, 704	CRPCUP	CRPMST
Government Securities	5	601, 602, 603, 610, 611, 612, 613, 620	GOVCUP	GOVMST
Money Market Instruments	5	120, 320, 330, 502, 504, 505, 506, 507, 510, 511, 520, 525, 526, 530, 531, 532, 533, 550, 560	MMICUP	MMIMST
Mortgage Backed MBS	5	450, 451, 452, 650, 651, 652	AMBCUP	AMBMST
Asset Backed (ABS) / Collateralized Mortgage Obligations (CMO)	5	040, 041, 540, 541, 551	AMBCUP	AMBMST
Municipal Securities	7	310, 311, 312, 313, 314, 315, 706, 708	MUNCUP	MUNMST

**Appendix III - ISO United States & Canadian Provinces**

State / Province Name	State / Province Code	Country Code
ALBERTA	AB	CA
ALASKA	AK	US
ALABAMA	AL	US
ARKANSAS	AR	US
AMERICAN SAMOA	AS	US
ARIZONA	AZ	US
BRITISH COLUMBIA	BC	CA
CALIFORNIA	CA	US
COLORADO	CO	US
CONNECTICUT	CT	US
DISTRICT OF COLUMBIA	DC	US
DELAWARE	DE	US
FLORIDA	FL	US
FEDERATED STATES OF MICRONESIA	FM	US
GEORGIA	GA	US
GUAM	GU	US
HAWAII	HI	US
IOWA	IA	US
IDAHO	ID	US
ILLINOIS	IL	US
INDIANA	IN	US
KANSAS	KS	US
KENTUCKY	KY	US
LOUISIANA	LA	US
LABRADOR	LB	CA
MASSACHUSETTS	MA	US
MANITOBA	MB	CA
MARYLAND	MD	US
MAINE	ME	US
MARSHALL ISLANDS	MH	US
MICHIGAN	MI	US
MINNESOTA	MN	US
MISSOURI	MO	US
NORTHERN MARIANA ISLANDS	MP	US
MISSISSIPPI	MS	US
MONTANA	MT	US
NEW BRUNSWICK	NB	CA
NORTH CAROLINA	NC	US
NORTH DAKOTA	ND	US
NEBRASKA	NE	US
NEWFOUNDLAND	NF	CA
NEW HAMPSHIRE	NH	US
NEW JERSEY	NJ	US
NEW MEXICO	NM	US
NOVA SCOTIA	NS	CA

**Appendix III - ISO United States & Canadian Provinces** *(continued)*

<b>State / Province Name</b>	<b>STATE / PROVINCE CODE</b>	<b>Country Code</b>
NORTHWEST TERRITORIES	NT	CA
NEVADA	NV	US
NEW YORK	NY	US
OHIO	OH	US
OKLAHOMA	OK	US
ONTARIO	ON	CA
OREGON	OR	US
PENNSYLVANIA	PA	US
PRINCE EDWARD ISLAND	PE	CA
QUEBEC	PQ	CA
PUERTO RICO	PR	US
PALAU	PW	US
RHODE ISLAND	RI	US
SOUTH CAROLINA	SC	US
SOUTH DAKOTA	SD	US
SASKATCHEWAN	SK	CA
TENNESSEE	TN	US
TEXAS	TX	US
UTAH	UT	US
VIRGINIA	VA	US
VIRGIN ISLANDS	VI	US
VERMONT	VT	US
WASHINGTON	WA	US
WISCONSIN	WI	US
WEST VIRGINIA	WV	US
WYOMING	WY	US
YUKON TERRITORY	YT	CA



**Appendix IV - ISO Country Codes**

<b>Two-Digit Country Code</b>	<b>Three-Digit Country Code</b>	<b>Description</b>
AD	AND	ANDORRA
AE	ARE	U.A.E.
AF	AFG	AFGHANISTAN
AG		ANTIGUA AND BARBUDA
AI		ANGUILLA
AL	ALB	ALBANIA
AM		ARMENIA
AN	ANT	NETH.ANTILLES
AO	AGO	ANGOLA
AQ		ANTARTICA
AR	ARG	ARGENTINA
AS	ASM	AMERICAN SAMOA
AT	AUT	AUSTRIA
AU	AUS	AUSTRALIA
AW	N/A	ARUBA
AZ		AZERBAIJAN
BA		BOSNIA-HERZEGOVINA
BB	BRB	BARBADOS
BD	BGD	BANGLADESH
BE	BEL	BELGIUM
BF		BURKINA FASO
BG	BGR	BULGARIA
BH	BHR	BAHRAIN
BI	BDI	BURUNDI
BJ	BEN	BENIN
BM	BMU	BERMUDA
BN	BRN	BRUNEI DARUSSALAM
BO	BOL	BOLIVIA
BR	BRA	BRAZIL
BS	BHS	BAHAMAS
BT	BTN	BHUTAN
BV		BOUVET ISLAND
BW	BWA	BOTSWANA
BY	BYS	BELARUS
BZ	BLZ	BELIZE
CA	CAN	CANADA
CC	CCK	COCOS (KEELING) ISLANDS
CF	CAF	CENTRAL AFRICAN REPUBLIC
CG	COG	CONGO
CH	CHE	SWITZERLAND
CI	CIV	COTE D'IVOIRE
CK	COK	COOK ISLANDS
CL	CHL	CHILE
CM	CMR	CAMEROON
CN	CHN	CHINA
CO	COL	COLOMBIA
CR	CRI	COSTA RICA

**Appendix IV - ISO Country Codes** *(continued)*

Two-Digit Country Code	Three-Digit Country Code	Description
CS	CSK	CZECHOSLOVAKIA
CU	CUB	CUBA
CV	CPV	CAPE VERDE
CX	CXR	CHRISTMAS ISLAND
CY	CYP	CYPRUS
CZ	N/A	CZECH REPUBLIC
DE	DEU	GERMANY
DJ	DJI	DJIBOUTI
DK	DNK	DENMARK
DM	DMA	DOMINICA
DO	DOM	DOMINICAN REPUBLIC
DZ	DZA	ALGERIA
EC	ECU	ECUADOR
EE		ESTONIA
EG	EGY	EGYPT
EH	ESH	WESTERN SAHARA
ES	ESP	SPAIN
ET	ETH	ETHIOPIA
FI	FIN	FINLAND
FJ	FJI	FIJI
FK	FLK	FALKLAND ISLANDS (MALVINAS)
FM		MICRONESIA
FO	FRO	FAEROE ISLANDS
FR	FRA	FRANCE
GA	GAB	GABON
GB	GBR	UNITED KINGDOM
GD	GRD	GRENADA
GE		GEORGIA
GF	GUF	FRENCH GUIANA
GG		GUERNSEY, C.I.
GH	GHA	GHANA
GI	GIB	GIBRALTAR
GL	GRL	GREENLAND
GM	GMB	GAMBIA
GN	GIN	GUINEA
GP	GLP	GUADELOUPE
GQ	GNQ	EQUATORIAL GUINEA
GR	GRC	GREECE
GT	GTM	GUATEMALA
GU	GUM	GUAM
GW	GNB	GUINEA-BISSAU
GY	GUY	GUYANA
HK	HKG	HONG KONG
HM		HEARD AND MCDONALD ISLANDS
HN	HND	HONDURAS
HR		CROATIA

**Appendix IV - ISO Country Codes** *(continued)*

Two-Digit Country Code	Three-Digit Country Code	Description
HT	HTI	HAITI
HU	HUN	HUNGARY
HV	HVO	UPPER VOLTA
ID	IDN	INDONESIA
IE	IRL	IRELAND
IL	ISR	ISRAEL
IM	N/A	ISLE OF MAN
IN	IND	INDIA
IO	IOT	BRITISH INDIAN OCEAN TERRITORY
IQ	IRQ	IRAQ
IR	IRN	IRAN (ISLAMIC REPUBLIC OF)
IS	ISL	ICELAND
IT	ITA	ITALY
JE	N/A	JERSEY, C.I.
JM	JAM	JAMAICA
JO	JOR	JORDAN
JP	JPN	JAPAN
JT	JTN	JOHNSTON ISLANDS
KE	KEN	KENYA
KG		KYRGYZSTAN
KH	KHM	CAMBODIA
KI	KIR	KIRIBATI
KM	COM	COMOROS
KN		SAINT KITTS AND NEVIS
KP	PRK	KOREA, DEMOCRATIC PEOPLE'S REP.OF
KR	KOR	KOREA, REPUBLIC OF
KW	KWT	KUWAIT
KY	CYM	CAYMAN ISLANDS
KZ		KAZAKHSTAN
LA	LAO	LAO PEOPLE'S DEMOCRATIC REPUBLIC
LB	LBN	LEBANON
LC	LCA	SAINT LUCIA
LI	LIE	LIECHTENSTEIN
LK	LKA	SRI LANKA
LR	LBR	LIBERIA
LS	LSO	LESOTHO
LT		LITHUANIA
LU	LUX	LUXEMBOURG
LV		LATVIA
LY	LBY	LIBYAN ARAB JAMAHIRIYA
MA	MAR	MOROCCO
MC	MCO	MONACO
MD		MOLDOVA, REPUBLIC OF
MG	MDG	MADAGASCAR
MH		MARSHALL ISLANDS
ML	MLI	MALI

**Appendix IV - ISO Country Codes** *(continued)*

<b>Two-Digit Country Code</b>	<b>Three-Digit Country Code</b>	<b>Description</b>
MM		MYANMAR
MN	MNG	MONGOLIA
MO	MAC	MACAU
MP		NORTHERN MARIANA ISLANDS
MQ	MTQ	MARTINIQUE
MR	MRT	MAURITANIA
MS		MONTSERRAT
MT	MLT	MALTA
MU	MUS	MAURITIUS
MV	MDV	MALDIVES
MW	MWI	MALAWI
MX	MEX	MEXICO
MY	MYS	MALAYSIA
MZ	MOZ	MOZAMBIQUE
NA	NAM	NAMIBIA
NC	NCL	NEW CALEDONIA
NE		NIGER
NF	NFK	NORFOLK ISLAND
NG	NGA	NIGERIA
NI	NIC	NICARAGUA
NL	NLD	NETHERLANDS
NO	NOR	NORWAY
NP	NPL	NEPAL
NR	NRU	NAURU
NT		NEUTRAL ZONE (BETWEEN SAUDI AND IRAQ)
NU	NIU	NIUE
NZ	NZL	NEW ZEALAND
OM	OMN	OMAN
PA	PAN	PANAMA
PE	PER	PERU
PF	PYF	FRENCH POLYNESIA
PG	PNG	PAPUA NEW GUINEA
PH	PHL	PHILIPPINES
PK	PAK	PAKISTAN
PL	POL	POLAND
PM	SPM	ST.PIERRE AND MIQUELON
PN	PCN	PITCAIRN ISLAND
PR	PRI	PUERTO RICO
PT	PRT	PORTUGAL
PW		PALAU
PY	PRY	PARAGUAY
PZ		PANAMA CANAL ZONE
QA	QAT	QATAR
RE	REU	REUNION
RO	ROM	ROMANIA

**Appendix IV - ISO Country Codes** *(continued)*

Two-Digit Country Code	Three-Digit Country Code	Description
RU	N/A	RUSSIA
RW	RWA	RWANDA
SA	SAU	SAUDI ARABIA
SB	SLB	SOLOMON ISLANDS
SC	SYC	SEYCHELLES
SD	SDN	SUDAN
SE	SWE	SWEDEN
SG	SGP	SINGAPORE
SH	SHN	ST.HELENA
SI		SLOVENIA
SJ	SJM	SVALBARD AND JAN MAYEN ISLANDS
SK		SLOVAKIA
SL	SLE	SIERRA LEONE
SM	SMR	SAN MARINO
SN	SEN	SENEGAL
SO	SOM	SOMALIA
SR	SUR	SURINAME
ST	STP	SAO TOME AND PRINCIPE
SU	SUN	UNION OF SOVIET SOCIALIST REPUBLICS
SV	SLV	EL SALVADOR
SY	SYR	SYRIAN ARAB REPUBLIC
SZ	SWZ	SWAZILAND
TC	TCA	TURKS AND CAICOS ISLANDS
TD	TCD	CHAD
TF		FRENCH SOUTHERN TERRITORIES
TG	TGO	TOGO
TH	THA	THAILAND
TJ		TAJIKISTAN
TK	TKL	TOKELAU
TM		TURKMENISTAN
TN	TNN	TUNISIA
TO	TON	TONGA
TP	TMP	EAST TIMOR
TR	TUR	TURKEY
TT	TTO	TRINIDAD AND TOBAGO
TV	TUV	TUVALU
TW	N/A	TAIWAN
TZ	TZA	TANZANIA, UNITED REPUBLIC OF
UA	UKR	UKRAINE
UG	UGA	UGANDA
UM		UNITED STATES MINOR OUTLYING ISLANDS
US	USA	UNITED STATES
UY	URY	URUGUAY
UZ		UZBEKISTAN

**Appendix IV - ISO Country Codes** *(continued)*

<b>Two-Digit Country Code</b>	<b>Three-Digit Country Code</b>	<b>Description</b>
VA	VAT	VATICAN CITY STATE
VC	VCT	SAINT VINCENT AND THE GRENADINES
VE	VEN	VENEZUELA
VG	VGB	VIRGIN ISLANDS (BRITISH)
VI	VIR	VIRGIN ISLANDS, U.S.
VN	VNM	VIET NAM
VU	VUT	VANUATU
WF	WLF	WALLIS AND FUTUNA ISLANDS
WS	WSM	SAMOA
YE	YEM	YEMEN, REPUBLIC OF
YU	YUG	YUGOSLAVIA
ZA	ZAF	SOUTH AFRICA
ZM	ZMB	ZAMBIA
ZR	ZAR	ZAIRE
ZW	ZWE	ZIMBABWE
XS	N/A	CEDEL EUROCLEAR

**Appendix V - ISO Currency Codes**

<b>Code</b>	<b>Description</b>
ADP	ANDORRAN PESETA
AED	UAE DIRHAM
AFA	AFGHANI
ALL	LEK
ANG	NETHERLANDS ANTILLEAN GUILDER
AON	NEW KWANZA
ARS	ARGENTINE PESO
ATS	SHILLING
AUD	AUSTRALIAN DOLLAR
AWG	ARUBAN GUILDER
BBD	BARBADOS DOLLAR
BDT	TAKA
BEF	BELGIAN FRANC
BGL	LEV
BHD	BAHRAINI DINAR
BIF	BURUNDI FRANC
BMD	BERMUDIAN DOLLAR
BND	BRUNEI DOLLAR
BOB	BOLIVIANO
BRL	BRAZILIAN REAL
BSD	BAHAMIAN DOLLAR
BTN	NGULTRUM
BWP	PULA
BYB	BELARUSSIAN RUBLE
BZD	BELIZE DOLLAR
CAD	CANADIAN DOLLAR
CHF	SWISS FRANC
CLF	UNIDADES DE FORMENTO
CLP	CHILEAN PESO
CNY	YUAN RENMINBI
COP	COLOMBIAN PESO
CRC	COSTA RICAN COLON
CUP	CUBAN PESO
CVE	CAPE VERDE ESCUDO
CYP	CYPRUS POUND
CZK	CZECH KORUNA
DEM	DEUTSCHE MARK
DJF	DJIBOUTI FRANC
DKK	DANISH KRONE
DOP	DOMINICAN PESO
DZD	ALGERIAN DINAR
ECS	SUCRE
EEK	KROON
EGP	EGYPTIAN POUND
ESP	SPANISH PESETA
ETB	ETHIOPIAN BIRR

**Appendix V - ISO Currency Codes** *(continued)*

<b>Code</b>	<b>Description</b>
EUR	EURO DOLLAR
FIM	MARKKA
FJD	FIJI DOLLAR
FKP	FALKLAND ISLANDS POUND
FRF	FRENCH FRANC
GBP	POUND STERLING
GEK	GEORGIAN COUPON
GHC	CEDI
GIP	GIBRALTAR POUND
GMD	DALASI
GNF	GUINEA FRANC
GRD	DRACHMA
GTQ	QUETZAL
GWP	GUINEA-BISSAU PESO
GYD	GUYANA DOLLAR
HKD	HONG KONG DOLLAR
HNL	LEMPIRA
HRD	CROATIAN DINAR
HRK	KUNA
HTG	GOURDE
HUF	FORINT
IDR	RUPIAH
IEP	IRISH POUND
ILS	SHEKEL
INR	INDIAN RUPEE
IQD	IRAQI DINAR
IRR	IRANIAN RIAL
ISK	ICELAND KRONA
ITL	ITALIAN LIRA
JMD	JAMAICAN DOLLAR
JOD	JORDANIAN DINAR
JPY	YEN
KES	KENYAN SHILLING
KGS	SOM
KHR	RIEL
KMF	COMORO FRANC
KPW	NORTH KOREAN WON
KRW	WON
KWD	KUWAITI DINAR
KYD	CAYMAN ISLANDS DOLLAR
KZT	TENGE
LAK	KIP
LBP	LEBANESE POUND
LKR	SRI LANKA RUPEE
LRD	LIBERIAN DOLLAR
LSL	LOTI
LTL	LITHUANIAN LITAS



**Appendix V - ISO Currency Codes** *(continued)*

<b>Code</b>	<b>Description</b>
LTT	TALONAS
LUF	LUXEMBOURG FRANC
LVL	LATVIAN LATS
LVR	LATVIAN RUBLE
LYD	LIBYAN DINAR
MAD	MOROCCAN DIRHAM
MDL	MOLDOVAN LEU
MGF	MALAGASY FRANC
MKD	DENAR
MMK	KYAT
MNT	TUGRIK
MOP	PATACA
MRO	OUGUIYA
MTL	MALTESE LIRA
MUR	MAURITIUS RUPEE
MVR	RUFYAA
MWK	KWACHA
MXN	MEXICAN NUEVO PESO
MYR	MALAYSIAN RINGGIT
MZM	METICAL
NAD	NAMIBIA DOLLAR
NGN	NAIRA
NIO	CORDOBA ORO
NLG	NETHERLANDS GUILDER
NOK	NORWEGIAN KRONE
NPR	NEPALESE RUPEE
NZD	NEW ZEALAND DOLLAR
OMR	RIAL OMANI
PAB	BALBOA
PEN	NUEVO SOL
PGK	KINA
PHP	PHILIPPINE PESO
PKR	PAKISTAN RUPEE
PLN	POLISH ZLOTKY
PLZ	ZLOTY
PTE	PORTUGUESE ESCUDO
PYG	GUARANI
QAR	QATARI RIAL
ROL	LEU
RUR	RUSSIAN RUBLE
RWF	RWANDA FRANC
SAR	SAUDI RIYAL
SBD	SOLOMON ISLANDS DOLLAR
SCR	SEYCHELLES RUPEE
SDD	SUDANESE DINAR
SEK	SWEDISH KRONA
SGD	SINGAPORE DOLLAR

**Appendix V - ISO Currency Codes** *(continued)*

<b>Code</b>	<b>Description</b>
SHP	ST.HELENA POUND
SIT	TOLAR
SKK	SLOVAK KORUNA
SLL	LEONE
SOS	SOMALI SHILLING
SRG	SURINAM GUILDER
STD	DOBRA
SVC	EL SALVADOR COLON
SYP	SYRIAN POUND
SZL	LILANGENI
THB	BAHT
TMM	MANAT
TND	TUNISIAN DINAR
TOP	PA'ANGA
TPE	TIMOR ESCUDO
TRL	TURKISH LIRA
TTD	TRINIDAD AND TOBAGO DOLLAR
TWD	NEW TAIWAN DOLLAR
TZS	TANZANIAN SHILLING
UAK	KARBOVANET
UGX	UGANDA SHILLING
USD	US DOLLAR
USN	US DOLLAR, NEXT DAY FUNDS
UYU	PESO URUGUAYO
UZS	UZBEKISTAN SUM
VEB	BOLIVAR
VND	DONG
VUV	VATU
WST	TALA
XAF	CFA FRANC BEAC
XAG	SILVER
XAU	GOLD
XBA	EUROPEAN COMPOSITE UNIT (EURCO)
XBB	EUROPEAN MONETARY UNIT (EMU-6)
XBC	EUROPEAN UNIT OF ACCOUNT-9 (EU)
XBD	EUROPEAN UNIT OF ACCOUNT-17 (E)
XCD	EAST CARIBBEAN DOLLAR
XDR	SDR INT'L MONETARY FUND (I.M.F)
XEU	EUROPEAN CURRENCY UNIT (ECU)
XFO	GOLD-FRANC (SPECIAL SETTLEMENT)
XFU	UIC-FRANC (SPECIAL SETTLEMENT )

### Appendix V - ISO Currency Codes *(continued)*

Code	Description
XOF	CFA FRANC BCEAO
XPD	PALLADIUM
XPF	CFP FRANC
XPT	PLATINUM
XXX	TRANSACTIONS WITHOUT CURRENCY
YER	YEMENI RIAL
YUN	YUGOSLAVIAN DINAR
ZAL	FINANCIAL RAND
ZAR	RAND
ZMK	KWACHA
ZRN	NEW ZAIRE
ZWD	ZIMBABWE DOLLAR

### Appendix VI – MBS Product ID Values

Product ID values are in SIM.TBSIM45\_PRODUCT

AR	FHLMC	FHLMC REMIC AR
CR	FHLMC	CRIIMI MAE
DR	FHLMC	FHLMC GIANT
D2	FHLMC	FHLMC II GIANT
FG	FHLMC	FHLMC GOLD PC
FM	FHLMC	FHLMC PC
FN	FNMA	FEDERAL NATL MORTGAGE ASSN
GR	GNMA	GNMA REMIC
G1	GNMA	GNMAI
G2	GNMA	GNMAII
HR	FHLMC	FHLMC REMIC
K2	FNMA	FNMA II REMIC
L2	FHLMC	FHLMC GII REMIC
M2	GNMA	GN II REMIC/FNMA REMIC COLL
NR	FNMA	FNMA I REMIC
P1	GNMA	GNMA I PLATINUM
P2	GNMA	GNMA II PLATINUM
QR	GNMA	GNMA RE REMIC 18TH PAYOR
RM	GNMA	GNMA RE REMIC 25TH PAYOR
RR	GNMA	GNMA I RE REMIC
R2	GNMA	GNMA II REMIC
SR	GMRM1	GINNIE MAE MORTGAGE REMIC
UR	GNMA	GNMA RE REMIC 25TH PAYOR
VR	VA	VA REMIC
RT	GNMA	GNMA REMIC 27TH PAYOR