

# DLA

## FedMall Quick Start Guide

Supplier Catalog Template



Version 1.0

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## Document History

### Revision History

Revision Number	Revision Date	Summary of Changes	Author
0.0.1	3/14/2016	Initial draft	Don Tennant
0.1.2	6/28/2016	Minor revision. Incremented the version number to remain in sync with referenced spreadsheet version. Described how to specify a contract ID for MarketPlace catalogs. Listed reference location for MRC code lookup (new section 2.4).	Don Tennant
0.1.3	1/24/2017	Minor revision. Provided additional clarification about how to manage the data formats when using Microsoft Excel to edit the template; added a new section 2.5 and updated the notes for the two date fields in section 3 "Field Descriptions."	Don Tennant
0.1.4	2/2/2017	Inserted new section 2.7 to clarify the use of delimiters with optional fields. Expanded section 2.8 to include sample records. In section 3, clarified that the "Justifying Comment" fields are conditionally required. Updated URL in section 4.2, and clarified the origin of the note in section 4.3.	Don Tennant
0.1.5	2/14/2017	Marked Quantity Per Unit Pack and Days ARO as mandatory fields.	Don Tennant
0.1.6	5/02/2017	Added information about handling numeric content as text when viewing the catalog in Microsoft Excel to section 2.5.	Don Tennant
0.1.7	6/13/2017	Removed outdated URL from section 2.4.	Don Tennant
0.1.8	7/11/2017	Clarified allowable characters in Section 3	Don Tennant
0.2.0	2/05/2018	Added information related to additional supported file formats (Excel .xls and .xlsx files). Additional section to detail allowed values in the General Text field.	Eric Abe, Shanzeh Hammed
1.0	8/14/2018	Clarified the maximum file size for uploads (section 2.2).	Don Tennant

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## 1. Introduction

### 1.1 Purpose

The purpose of this document is to assist suppliers with the generation of a valid Excel spreadsheet to create or maintain their catalog items in FedMall.

### 1.2 Audience

The intended audience of this planning document is:

- FedMall Suppliers
- FedMall Program Managers
- Communication Leads

### 1.3 Document References

This document is based on the following documents:

Document Name	Version	Owner
FedMall Supplier Catalog Template Spreadsheet	V0.1.8	IBM

## 2 Instructions

### 2.1 Summary of Procedure

- Complete the “Catalog Template” sheet with your catalog details. Do not modify the number or the order of the columns.
- Reference the “Field Descriptions” sheet and the “Additional Information” sheet for help on completing the data entry. You may leave optional fields blank.
- If the item already exists in FedMall, it will be overwritten. If it does not already exist in FedMall, it will be added. To delete an item, enter a “Y” in the first column (Archive); otherwise, leave the first column blank (or specify “N” in the first column).
- When complete, upload the file to FedMall via the Supplier Portal.

### 2.2 Catalog File Details

<b>File Type</b>	The file must be one of the following formats: <ol style="list-style-type: none"> <li>(1) Plain text file with a .csv extension</li> <li>(2) Excel file (97-2003 format) with a .xls extension</li> <li>(3) Excel file with a .xlsx extension</li> </ol>
<b>Row Header</b>	Use the headings on the “Catalog Template” sheet. The uploaded file must include the headings as its first row.
<b>Field Delimiter</b>	If creating a plain text .csv file, each field should be separated from adjacent fields with a delimiter, which is the caret ( ^ ) character. If you want to use Microsoft Excel to create your data file and then export it to delimited plain text file, instructions are provided below in section 2.5.
<b>Rows</b>	You may insert as many rows of data as will fit in the maximum file size (see below). This will typically be around 100,000 rows of data per uploaded file.
<b>File Size</b>	The size of the file will vary not only with the number of rows of data, but also with the content of each row. The file may not exceed a maximum size of 63 million bytes (about 60 Megabytes).
<b>File Name</b>	The file name must be less than 128 characters and cannot contain a caret ( ^ ) character.

### 2.3 Managing Images

All images are uploaded in an archive (.zip) file separate from the main catalog spreadsheet. Please see the “Image Upload Specification” document for complete details about how to structure that image file archive.

### 2.4 Using MRCs to Specify Additional Characteristics

The final field in the template, “Characteristic Information,” represents a series of code-value pairs, where the code is a Master Requirements Code (MRC) as listed in the Master Requirements Directory (MRD), which in turn is managed by the Defense Logistics Agency (DLA) Logistics Information Services (DLIS).

If you don’t already know a specific MRC code, you may search for individual codes in the Supplier Portal by accessing Product Information Management and adding/editing an item.

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## 2.5 Formatting instructions for creating a .xls or .xlsx file

If you are creating a .xls or .xlsx file, the worksheet containing the catalog data must be the first sheet in the spreadsheet. When uploading .xls or .xlsx files, all worksheets within the file are ignored except for the first worksheet.

If necessary, you can move the catalog data worksheet by simply dragging the worksheet tab to the front of the other worksheet tabs contained within your spreadsheet.

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## 2.6 Formatting instructions for creating a .csv file

If you are creating a .csv data file, special care needs to be taken to ensure that the proper formatting is used in the data file. Please see the following sections for details on this formatting.

### 2.6.1 Managing Number and Date Formats in Excel

If you are using Microsoft Excel to edit your data file (.csv), Excel may try to automatically convert the format of your numbers and dates from the required format. Examples include:

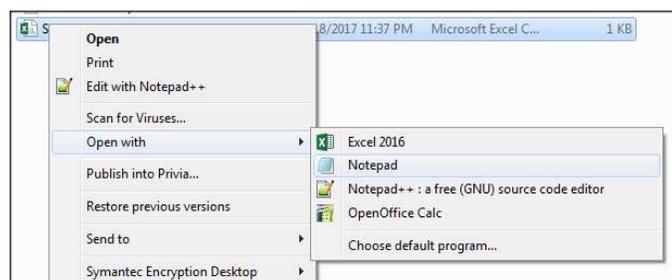
- Long numbers: If you enter a very long value, such as a part number, that only contains the digits 0-9, Excel may try to interpret this as a long number and display it in scientific notation (e.g. "1234567890123" would display as "1.23457E+12").
- Dates: If you enter a value that Excel believes is a date, it will attempt to convert the value to its own format (e.g. "2017-01-24", which is in the correct format, may be changed to "1/24/17" by Excel).
- Values with a leading zero: Excel will recognize that a CAGE code or part number with letters in it is text, e.g. "012AB"; however, if the value is all-numeric and starts with a zero, Excel will treat it as a number and trim the leading zero (e.g. "02468" is converted to "2468").

Essentially, in all of these examples, Excel is attempting to format your data for you, when you want the data to be stored exactly as you enter it.

#### 2.6.1.1 First step: Understand the format that is actually saved in your file

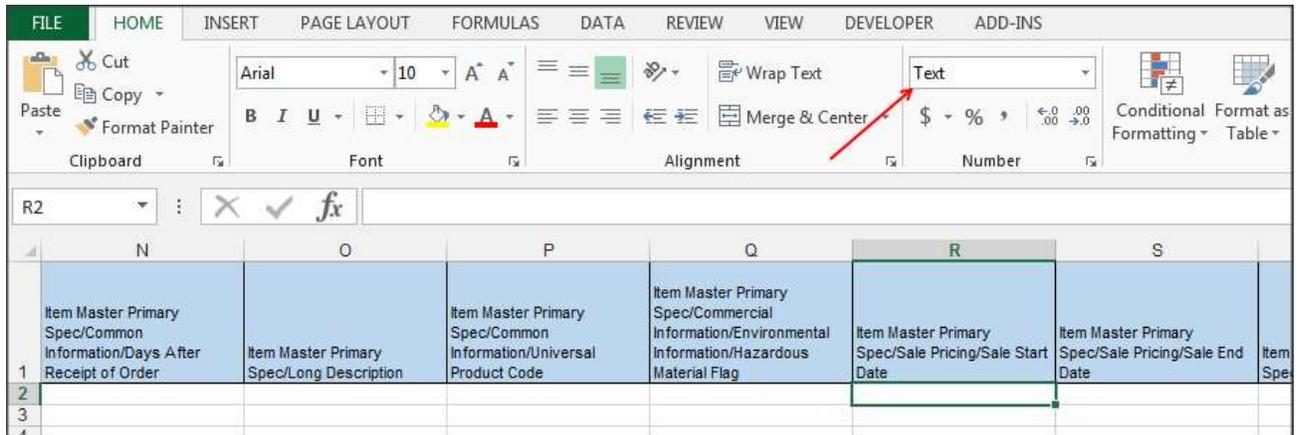
If you have an existing .csv file, the way to ensure that you understand what is actually in that file is to open it in a plain text editor, such as Notepad, rather than in Excel. To do this, you may choose one of these options:

- Open Notepad (from the Start menu), then select File -> Open, and open the .csv file.
- From Windows Explorer, right-click the file, select "Open With..." and then choose Notepad (or another text editor, such as Notepad++).



#### 2.6.1.2 Entering new data into a template

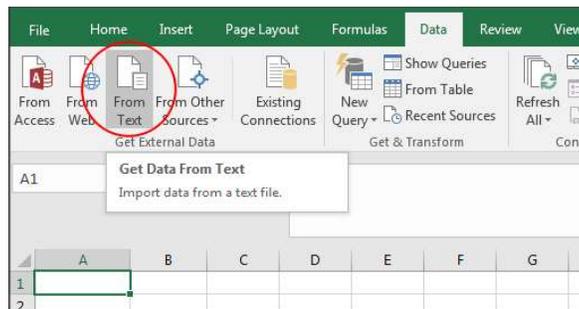
If you are creating a new catalog from scratch, you will want to start with a template. FedMall provides a sample template in addition to this Quick Start Guide. Before entering data into a blank cell, ensure that the format is correctly set to "Text." Change the format of the cell(s) in question to "Text" instead of "General" or "Date." You may do this globally for all cells in the template you are working with. (Hint: to select all cells at once, click any cell, and then tap Ctrl-A on your keyboard.)



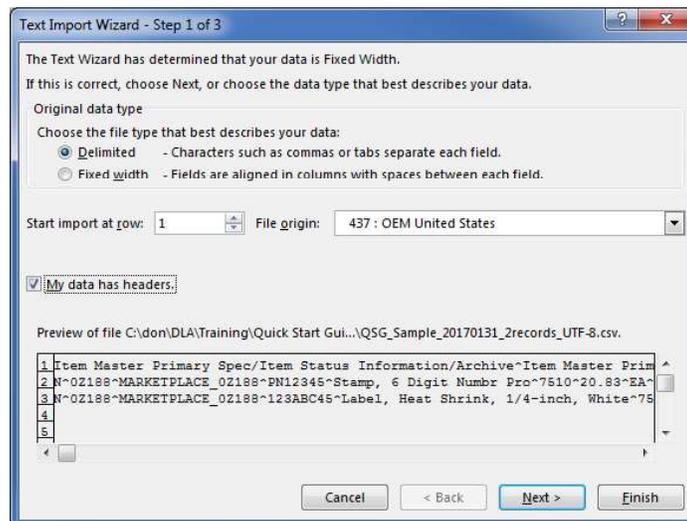
### 2.6.1.3 Working with an existing file

If you already have a .csv file and you open it in Excel, you may notice that Excel converts the values to their numeric and date formats automatically. This may happen when you open the .csv file: (1) from Excel's File -> Open menu, or (2) by double-clicking on the .csv file in Windows Explorer to open it in Excel.

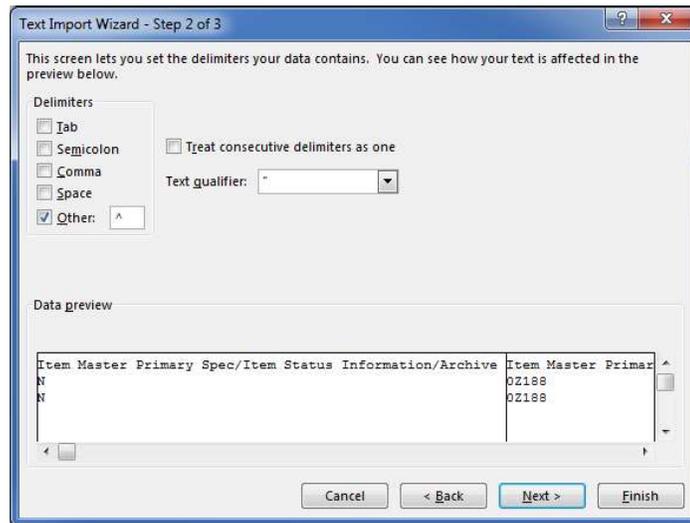
To avoid this issue, you may want to *import* the data when you open the file, rather than opening it directly. To do this, open Excel to a blank workbook. Before you import your data, set all fields in the worksheet to Text (as described in section 2.6.1.2), and select the "Get Data from Text" option from the Data tab.



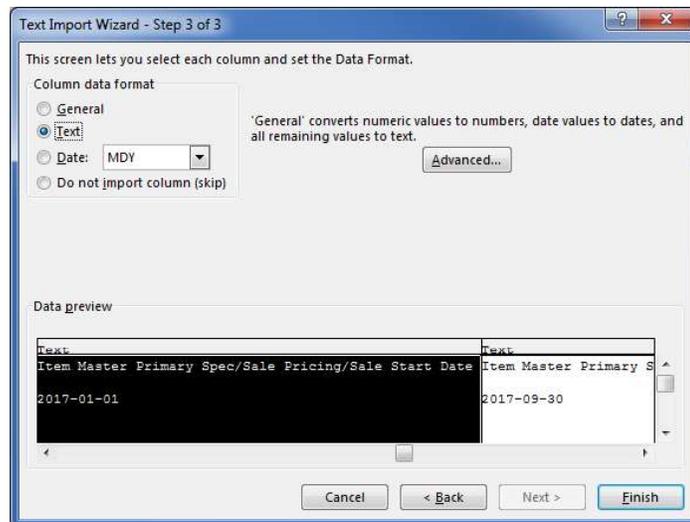
Select your .csv file in the Open dialog box, and then proceed through the steps of the Text Import Wizard. In Step 1, choose "Delimited" and select the check box next to "My data has headers."



In Step 2, specify that the delimiter is a caret ( ^ ) by checking the “Other” box and typing a caret in the blank field.



In Step 3, you may leave the default settings (“General”) for most fields, because you already set all fields to “Text” before you started the import wizard. However, Excel will still try to convert the date formats, so be explicit for the Sale Start Date and Sale End Date by selecting each of those columns in turn and choosing “Text” from the list of column data formats.



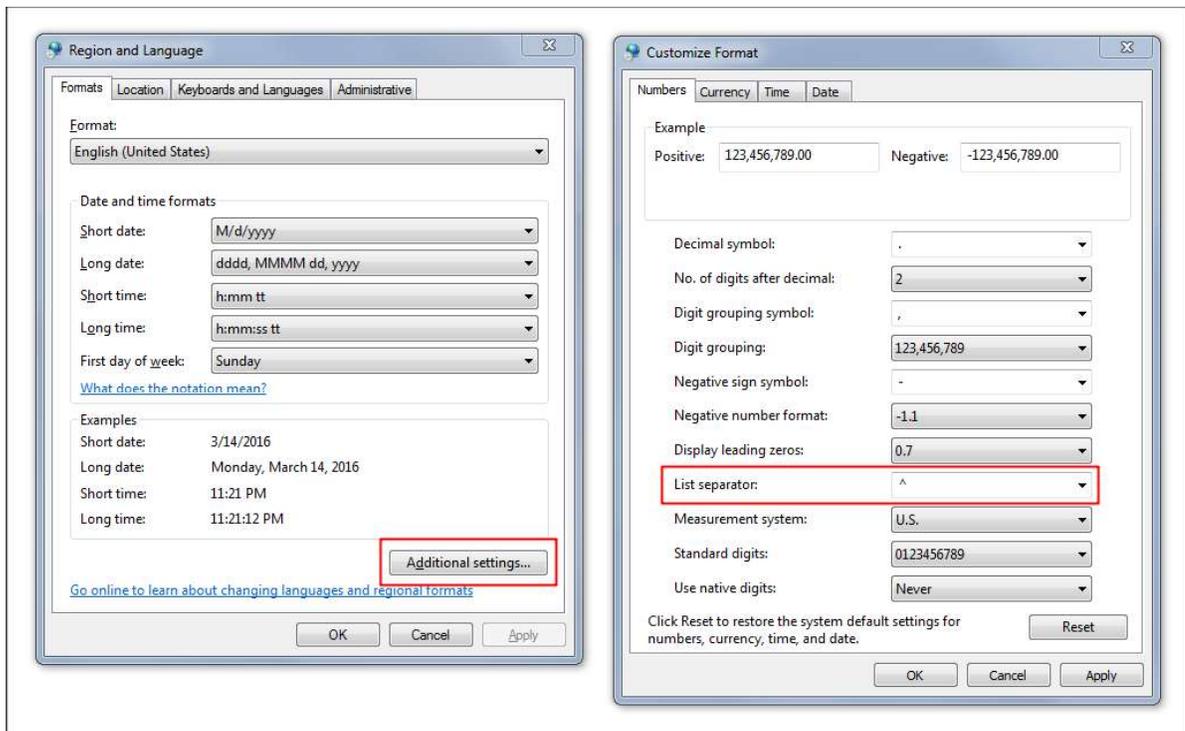
In the final step, you will be able to select where the imported data should go (e.g. cell A1 of your current, blank spreadsheet).

Your imported data will now be presented as all text values.

## 2.6.2 Exporting a Text File from Excel

You may create your catalog file in any text editor. You may also find it convenient to use Excel to maintain your data and then export the data from Excel to the delimited text file for import into FedMall.

- First, change your delimiter (“list separator”). Open Control Panel and then the “Region and Language” applet (or, click Start -> Run and type “intl.cpl”). On the Formats tab, click “Additional settings...”. Change the “List separator” value from its default (usually a comma) to the caret (Shift + 6 on most US keyboards). Click OK to save the change.



- In Excel, create your catalog. Ensure that the first row contains the column headers as listed in the “Catalog Template” sheet. Click File -> Save As. In Save As Type, select “CSV (Comma delimited) (\*.csv)”. Provide a file name and click Save. Excel will warn you that “some features in your workbook might be lost”; click Yes to keep using this format (Excel is warning you that some features, like formatting, won’t be saved in a text file; this is to be expected).
- Confirm a successful export by opening the file in a plain text editor (such as Notepad). You should see the header row on the first line followed by your data, with a caret ( ^ ) character separating each data field (“column”).

### 2.6.3 Maintaining Delimiters with Optional Fields

There must be a caret separating each field, even if an optional field is left blank. For example, if leaving OEM CAGE Code blank (between OEM Part Number and OEM Name), the fields might look like this:

```
...^PN12345^^Company Name^...
```

This same principle holds true at the end of the row. For example, if you leave the last five fields blank in a given row, that row would end with five carets (^^^^), like this:

```
...^This item meets environmental regulations^^^^^
```

### 2.6.4 Example

The first row of your .csv text file is a header row, and it should look like this:

Item Master Primary Spec/Item Status Information/Archive^Item Master Primary Spec/Common Information/Commercial and Government Entity Code^Item Master Primary Spec/Common Information/Contract Number^Item Master Primary Spec/Common Information/Part Number^Item Master Primary Spec/Common Information/Part Name^Item Master Primary Spec/Common Information/Federal Supply Class^Item Master Primary Spec/Pricing/Original Unit Price^Item Master Primary Spec/Pricing/Original Unit of Issue^Item Master Primary Spec/Pricing/Quantity Per Unit Pack^Item Master Primary Spec/Common Information/Original Equipment Manufacturer Part Number^Item Master Primary Spec/Common Information/Original Equipment Manufacturer CAGE Code^Item Master Primary Spec/Common Information/Original Equipment Manufacturer Name^Item Master Primary Spec/Short Description^Item Master Primary Spec/Common Information/Days After Receipt of Order^Item Master Primary Spec/Long Description^Item Master Primary Spec/Common Information/Universal Product Code^Item Master Primary Spec/Commercial Information/Environmental Information/Hazardous Material Flag^Item Master Primary Spec/Sale Pricing/Sale Start Date^Item Master Primary Spec/Sale Pricing/Sale End Date^Item Master Primary Spec/Sale Pricing/Sale Price^Item Master Primary Spec/Commercial Information/Shipping Information/Shipment Level of Service/Standard Shipment Price^Item Master Primary Spec/Commercial Information/Shipping Information/Shipment Level of Service/Expedited Shipment Price^Item Master Primary Spec/Commercial Information/Shipping Information/Shipments/Information/Shipments Level of Service/Next Day Shipment Price^Item Master Primary Spec/Special Properties/Environmentally Preferred/Environmentally Preferred Indicator^Item Master Primary Spec/Special Properties/Environmentally Preferred/Justifying Comment^Item Master Primary Spec/Special Properties/Energy Star/Energy Star Indicator^Item Master Primary Spec/Special Properties/Energy Star/Justifying Comment^Item Master Primary Spec/Special Properties/Made in the USA/Made in the USA Indicator^Item Master Primary Spec/Special Properties/Made in the USA/Justifying Comment^Item Master Primary Spec/Characteristic Information

After including the header row on line 1 of your file, include one item record on each subsequent line (beginning with line 2) of the file. The following text represents two well-formed records that will pass file upload validations (although of course the CAGE code and contract number are fictitious). The first sample record only includes the mandatory fields; the second record has all fields completed.

N^AB123^MARKETPLACE\_AB123^PN12345^Stamp, 6 Digit Numbr Pro^7510^20.83^EA^1^USST5546^^U. S. STAMP & SIGN^Professional Numberer, Self-Inking, Type Size 1 1/2, Six Digits, Black^2^Strong and fast to tackle even the biggest numbering jobs. Steel frame construction stands up to heavy-duty use. A self-inking pad saves time; there's no need to stop and re-ink. Includes replaceable stamp pad that delivers up to 10,000 impressions. Stamp Type: Numberer; Ink Types: Self-Inking; Impression Width: 1 5/8 inch; Impression Height: 3/8 inch.^.....

N^AB123^MARKETPLACE\_AB123^123ABC45^Label, Heat Shrink, 1/4-inch, White^7510^35.57^RO^1^DYM18051^A1B2C^SANFORD LP^Rhino Heat Shrink Tubes Industrial Label Tape Cassette, 1/4 IN X 5 FT, White^1^Durable and smear-proof. Resistant to chemicals, solvents, grease, heat, moisture and other harsh elements. Industrial-strength adhesive for labels that stick and stay stuck. Easy-to-peel split backing for simple application. Label Size - text: 1/4 in x 5 ft.; Label Color(s): White; Machine Compatibility: Label Makers; Printed Text Color(s): Black.^71701180513^N^2017-01-01^2017-09-30^29.82^4.99^9.99^14.99^Y^This item is Green Certified^Y^This item received Energy Star Certification in 2017^Y^Manufactured in California with materials sourced from Maryland^AAAB|white~~~~CGCY|Office supplies~~~~ABGL|0.25 inches~~~~ASHR|Varies

### 3 Field Descriptions

The following table provides descriptions of columns in the Supplier Catalog Template.

#### 3.1 Notes

- Under **Req?** (i.e. Required?), options are:
  - **N**: No, not required. If this optional field isn't included, you will still need to include the delimiter ( ^ ) between fields.
  - **Y**: Yes, required field. Must be included for each row.
  - **C**: Conditionally required field. Must be included if another field is provided; see the field description for more information.
- Do not include a carat ( ^ ) or a pipe ( | ) within any field (e.g. within a description) in the file, except as a delimiter as specified in this document.
- Note that the **Characteristic Information** field (the very last field) may include more than one characteristics within the single field. See the field description for details about how to separate the characteristic (MRC Code) from its value for each characteristic.
- Because this is a text file, all values (including numbers) are stored as text. If using a spreadsheet to capture this data, ensure that you are setting the format of all fields as "text."
- Ensure that no fields include non-printable characters or any white space other than a standard space. In particular, do not include carriage returns or line feeds within the description fields.

#### 3.2 Fields

Field Name	Position	Field Description	Format	Length	Req ?	Attribute Header (matches the column headers in the "Catalog Template" sheet)
<b>Archive</b>	1	This field indicates whether the item should be marked for deletion (archive). Valid values are "Y" (yes, archive; mark as deleted in the database) or "N" (no, default).	1 letter {Y, N}	1	N	Item Master Primary Spec/Item Status Information/Archive
<b>Commercial and Government Entity Code</b>	2	The CAGE code of the supplier; a 5-character alphanumeric code issued by the US Government	Exactly 5 uppercase letters and/or numbers {A-Z, 0-9}	5	Y	Item Master Primary Spec/Common Information/Commercial and Government Entity Code
<b>Contract Number</b>	3	The full contract number associated with this item's catalog. For Marketplace catalogs without a contract, use the identifier MARKETPLACE_<CAGE>. That is, a single underscore character ( _ ) separates the all-capital word "MARKETPLACE" from the supplier's CAGE code (5 alphanumeric characters). Example: MARKETPLACE_012AB.	Uppercase letters and/or numbers; underscore is allowed for Marketplace. No hyphens. {A-Z, 0-9, _}	20	Y	Item Master Primary Spec/Common Information/Contract Number
<b>Part Number</b>	4	Your part number; the part number as captured by the vendor/supplier. Note: Part Numbers must be unique throughout the file and should not be duplicated within the same file.	Letters and/or numbers and/or hyphen. {A-Z, a-z, 0-9, -}	80	Y	Item Master Primary Spec/Common Information/Part Number
<b>Part Name</b>	5	Product name; the name of the item	General text; do <i>not</i> use caret ( ^ ) or pipe (   )	80	Y	Item Master Primary Spec/Common Information/Part Name

Field Name	Position	Field Description	Format	Length	Req ?	Attribute Header (matches the column headers in the "Catalog Template" sheet)
<b>Product Service Code</b>	6	The PSC (product service code) includes all of the Federal Service Code (FSC) numbers and includes additional codes; PSCs are 4 alphanumeric characters long.	Exactly 4 uppercase letters and/or numbers {A-Z, 0-9}	4	Y	Item Master Primary Spec/Common Information/Federal Supply Class
<b>Price</b>	7	This is the customer cost; note: for FOB Destination, this price must include the shipment costs. Enter the price as a number with up to two decimal digits; do not include the dollar sign.	Numbers and decimal point (no commas or dollar sign). {0-9, .}	20	Y	Item Master Primary Spec/Pricing/Original Unit Price
<b>Unit of Issue</b>	8	This is a word such as "each," "box," or "carton," to describe the unit associated with the quantity. Use a valid code from the list provided in the next sheet.	Uppercase letters and/or numbers {A-Z, 0-9}	2	Y	Item Master Primary Spec/Pricing/Original Unit of Issue
<b>Quantity per Unit Pack</b>	9	Also known as the quantity per unit of issue; this is the number of items in each box, carton, etc.	Whole number {0-9}	20	Y	Item Master Primary Spec/Pricing/Quantity Per Unit Pack
<b>OEM Part Number</b>	10	The original equipment manufacturer (OEM) part number; do not modify with a prefix or suffix	General text; do <i>not</i> use caret ( ^ ) or pipe (   )	80	Y	Item Master Primary Spec/Common Information/Original Equipment Manufacturer Part Number
<b>OEM CAGE Code</b>	11	The original equipment manufacturer (OEM)'s 5-character Commercial and Government Entity (CAGE) code	Exactly 5 uppercase letters and/or numbers {A-Z, 0-9}	5	N	Item Master Primary Spec/Common Information/Original Equipment Manufacturer CAGE Code
<b>OEM Name</b>	12	The original equipment manufacturer (OEM) name; the name of the company that manufactured the item	General text; do <i>not</i> use caret ( ^ ) or pipe (   )	80	Y	Item Master Primary Spec/Common Information/Original Equipment Manufacturer Name
<b>Description</b>	13	Detailed description of the item (spell out key words)	General text; do <i>not</i> use caret ( ^ ) or pipe (   )	254	Y	Item Master Primary Spec/Short Description
<b>Days ARO</b>	14	Time frame from receipt of order (ARO = After Receipt of Order) to shipping; this is not the same as the time frame for the delivery of an order.	Whole number {0-9}	20	Y	Item Master Primary Spec/Common Information/Days After Receipt of Order
<b>Expanded Description</b>	15	Long description of the item.	General text; do <i>not</i> use caret ( ^ ) or pipe (   )	3000	Y	Item Master Primary Spec/Long Description
<b>UPC</b>	16	The universal product code ("bar code") number. Use only digits 0 through 9; do not include the hyphen (-) character.	Numerals only (do not use hyphens). {0-9}	12	N	Item Master Primary Spec/Common Information/Universal Product Code
<b>Hazardous Material Flag</b>	17	Indicates hazardous material (HAZMAT) classification. Valid values are "Y" (yes, HAZMAT) or "N" (no).	1 letter {Y, N}	1	N	Item Master Primary Spec/Commercial Information/Environmental Information/Hazardous Material Flag
<b>Sale Start Date</b>	18	The date (date only, no time) at which point the sale price will be effective. Use format YYYY-MM-DD, e.g. 2015-12-17. Note: If using Microsoft Excel to create a .csv file, change the format to "Text" (instead of "Date" or "General") to prevent Excel from converting the numbers into its own data format.	Numerals and hyphens only. {0-9, -}	10	N	Item Master Primary Spec/Sale Pricing/Sale Start Date

Field Name	Position	Field Description	Format	Length	Req ?	Attribute Header (matches the column headers in the "Catalog Template" sheet)
<b>Sale End Date</b>	19	The date (date only, no time) at which point the sale price will no longer be effective. Use format YYYY-MM-DD, e.g. 2015-12-17. Note: If using Microsoft Excel to create a .csv file, change the format to "Text" (instead of "Date" or "General") to prevent Excel from converting the numbers into its own data format.	Numerals and hyphens only. {0-9, -}	10	N	Item Master Primary Spec/Sale Pricing/Sale End Date
<b>Sale Price</b>	20	Enter the price as a number with up to two decimal digits; do not include the dollar sign.	Numbers and decimal point (no commas or dollar sign). {0-9, .}	20	N	Item Master Primary Spec/Sale Pricing/Sale Price
<b>Standard Shipment Price</b>	21	Enter the price as a number with up to two digits after the decimal; do not include the dollar sign.	Numbers and decimal point (no commas or dollar sign). {0-9, .}	10	N	Item Master Primary Spec/Commercial Information/Shipping Information/Shipment Level of Service/Standard Shipment Price
<b>Expedited Shipment Price</b>	22	Enter the price as a number with up to two digits after the decimal; do not include the dollar sign.	Numbers and decimal point (no commas or dollar sign). {0-9, .}	10	N	Item Master Primary Spec/Commercial Information/Shipping Information/Shipment Level of Service/Expedited Shipment Price
<b>Next Day Shipment Price</b>	23	Enter the price as a number with up to two digits after the decimal; do not include the dollar sign.	Numbers and decimal point (no commas or dollar sign). {0-9, .}	10	N	Item Master Primary Spec/Commercial Information/Shipping Information/Shipment Level of Service/Next Day Shipment Price
<b>Environmentally Preferred Indicator</b>	24	Indicates whether this item is environmentally preferred. Valid values are "Y" (yes) or "N" (no).	1 letter {Y, N}	1	N	Item Master Primary Spec/Special Properties/Environmentally Preferred/Environmentally Preferred Indicator
<b>Environmentally Preferred Justifying Comment</b>	25	Free text comments to justify the indicator. Required only if the associated indicator is "Y"; otherwise, leave blank.	General text; do <i>not</i> use caret ( ^ ) or pipe (   )	3000	C	Item Master Primary Spec/Special Properties/Environmentally Preferred/Justifying Comment
<b>Energy Star Indicator</b>	26	Indicates whether this item is Energy Star certified. Valid values are "Y" (yes) or "N" (no).	1 letter {Y, N}	1	N	Item Master Primary Spec/Special Properties/Energy Star/Energy Star Indicator
<b>Energy Star Justifying Comment</b>	27	Free text comments to justify the indicator. Required only if the associated indicator is "Y"; otherwise, leave blank.	General text; do <i>not</i> use caret ( ^ ) or pipe (   )	3000	C	Item Master Primary Spec/Special Properties/Energy Star/Justifying Comment
<b>Made in the USA Indicator</b>	28	Indicates whether this item is made in the USA. Valid values are "Y" (yes) or "N" (no).	1 letter {Y, N}	1	N	Item Master Primary Spec/Special Properties/Made in the USA/Made in the USA Indicator
<b>Made in the USA Justifying Comment</b>	29	Free text comments to justify the indicator. Required only if the associated indicator is "Y"; otherwise, leave blank.	General text; do <i>not</i> use caret ( ^ ) or pipe (   )	3000	C	Item Master Primary Spec/Special Properties/Made in the USA/Justifying Comment

Field Name	Position	Field Description	Format	Length	Req ?	Attribute Header (matches the column headers in the "Catalog Template" sheet)
<b>Characteristic Information</b>	30	List of Master Requirement Codes (MRC). Format string as one or more code-value pairs. Separate the code from its value with the pipe ( ) character. Separate each code-value pair with five (5) tilde characters (~~~~~). Format is: code1 value1~~~~~code2 value2~~~~~code3 value3~~~~~code4 value4. Do not use the delimiters (i.e. the pipe character or five consecutive tildes) in either the codes or the values provided. A maximum of 100 code-value pairs may be included per item.	Code: 4 uppercase letters. {A-Z} Value: General text; do <i>not</i> use caret ( ^ ) or pipe (   ).	13595	N	Item Master Primary Spec/Characteristic Information

## 4 Additional Information: X12 Codes

### 4.1 Overview

FedMall uses X12 codes on all outbound requisitions and purchase orders. For those vendors who are using the DoD codes, please use the conversions available in the table below. All codes in vendor catalog uploads should be X12 codes as listed below.

### 4.2 Notes

Number of codes: 485

Reference URL: <http://www.dlmsa.dla.mil/eApplications/LogDataAdmin/dlmsansiconverguides.asp>

### 4.3 Codes

Notes: The following note is provided verbatim from the source document on the DLA.mil site:  
*ALL X12 CODE VALUES WITHOUT TRAILING ASTERISKS (\*) HAVE BEEN APPROVED BY THE ASC X12 COMMITTEE FOR USE IN ALL VERSION RELEASES OF ANSI X12. A SINGLE ASTERISK (\*) INDICATES THAT X12 CODE VALUES ARE AUTHORIZED FOR USE IN VERSION RELEASES 005020 AND AN ALL SUBSEQUENT VERSIONS. THE X12 CODE VALUES FOLLOWED BY A DOUBLE ASTERISK (\*\*) HAVE BEEN APPROVED FOR VERSION RELEASE 005030 AND ALL SUBSEQUENT VERSIONS.*

DOD CODE <i>(for reference only)</i>	NAME/DEFINITION	X12 CODE <i>(to be used in FedMall)</i>
SC	SECOND	3
5	LIFT	5
7	STRAND	7
9	TIRE	9
GP	GROUP	10
OT	OUTFIT	11
PZ	PACKET	12
RA	RATION	13
SO	SHOT	14
SX	STICK	15
17	100 POUND DRUM	17
18	55 GALLON DRUM	18
19	TANK TRUCK	19
1N	COUNT	1N
1O	SEASON	1O
1P	TANK CAR	1P
FR	FRAME	1Q
1R	TRANSACTION	1R
1X	QUARTER MILE	1X
20	20 FOOT CONTAINER	20
21	40 FOOT CONTAINER	21
2D	SHIP SET	2D
MB	BRITISH THERMAL UNITS/HOUR	2I

<b>DB</b>	DECIBEL	2N
<b>KC</b>	KILOCURIE	2R
<b>2U</b>	MEGAGRAM	2U
<b>2W</b>	BIN	2W
<b>43</b>	SUPER BULK BAG (SAME SIZE AS PALLET)	43
<b>44</b>	500 KILOGRAM BULK BAG	44
<b>45</b>	300 KILOGRAM BULK BAG	45
<b>46</b>	25 KILOGRAM BULK BAG	46
<b>47</b>	50 POUND BAG	47
<b>48</b>	BULK CAR LOAD	48
<b>4A</b>	BOBBIN	4A
<b>4B</b>	CAP	4B
<b>4E</b>	20-PACK	4E
<b>4F</b>	100-PACK	4F
<b>4G</b>	MICROLITER	4G
<b>51</b>	ACTUAL TONNES	51
<b>57</b>	MESH	57
<b>58</b>	NET KILOGRAMS	58
<b>5B</b>	BATCH	5B
<b>5D</b>	PROOF GALLONS	5D
<b>5G</b>	PUMP	5G
<b>5H</b>	STAGE	5H
<b>5I</b>	STANDARD CUBE FOOT	5I
<b>VT</b>	VOLT	70
<b>7A</b>	LANDINGS	7A
<b>7C</b>	FLIGHT HOURS	7C
<b>8C</b>	CORD	8C
<b>8D</b>	DUTY	8D
<b>8P</b>	PROJECT	8P
<b>8R</b>	PROGRAM	8R
<b>8S</b>	SESSION	8S
<b>K2</b>	SQUARE KILOMETER	8U
<b>91</b>	STOKE	91
<b>94</b>	CURL UNIT	94
<b>95</b>	20,000 GALLON TANKCAR	95
<b>96</b>	10,000 GALLON TANKCAR	96
<b>97</b>	10 KILOGRAM DRUM	97
<b>98</b>	15 KILOGRAM DRUM	98
<b>WT</b>	WATT	99
<b>AP</b>	APOTHECARY POUND	9A (X12 VERSION RELEASE 005020 MIGRATION CODE. REFER TO ADC 1008.)
<b>BQ</b>	BRIQUET	9B (X12 VERSION RELEASE 005020 MIGRATION CODE. REFER TO ADC 1008.)
<b>FD</b>	FOLD	9F (X12 VERSION RELEASE 005020 MIGRATION CODE. REFER TO ADC 1008.)

<b>AO</b>	APOTHECARY OUNCE	90 (X12 VERSION RELEASE 005020 MIGRATION CODE. REFER TO ADC 1008.)
<b>PI</b>	PILLOW	9P (X12 VERSION RELEASE 005030 MIGRATION CODE. REFER TO ADC 1008.)
<b>ST</b>	SEAT	9S (X12 VERSION RELEASE 005020 MIGRATION CODE. REFER TO ADC 1008.)
<b>9Y</b>	FAMILY UNIT	9Y
<b>US</b>	USP UNIT	9Z (X12 VERSION RELEASE 005020 MIGRATION CODE. REFER TO ADC 1008.)
<b>BA</b>	BALL	AA
<b>AB</b>	BULK PACK	AB
<b>AC</b>	ACRE	AC
<b>YT</b>	BYTE	AD
<b>CG</b>	CENTIGRAM	AF
<b>AJ</b>	COP (CYLINDRICAL OR CONICAL MASS)	AJ
<b>FA</b>	FATHOM	AK
<b>AL</b>	ACCESS LINES	AL
<b>AM</b>	AMPOULE	AM
<b>AR</b>	SUPPOSITORY	AR
<b>AT</b>	ASSORTMENT	AS
<b>AV</b>	CAPSULE	AV
<b>AW</b>	POWDER-FILLED VIAL	AW
<b>AX</b>	TWENTY	AX
<b>AY</b>	ASSEMBLY	AY
<b>B0</b>	BRITISH THERMAL UNITS PER CUBIC FOOT	B0
<b>BY</b>	BUNK	B2
<b>B3</b>	BATTING POUND	B3
<b>B4</b>	BARREL IMPERIAL	B4
<b>B5</b>	BILLET	B5
<b>B6</b>	BUN	B6
<b>B7</b>	CYCLE	B7
<b>B8</b>	BOARD	B8
<b>B9</b>	BATT	B9
<b>BE</b>	BALE	BA
<b>BB</b>	BASS BOX	BB
<b>BC</b>	BUCKET	BC
<b>BD</b>	BUNDLE	BD
<b>BM</b>	BEAM	BE
<b>BF</b>	BOARD FOOT	BF
<b>BG</b>	BAG	BG
<b>BH</b>	BRUSH	BH
<b>BR</b>	BAR	BI
<b>BJ</b>	BAND	BJ
<b>BK</b>	BOOK	BK
<b>BZ</b>	BLOCK	BL
<b>BO</b>	BOLT	BM

<b>BN</b>	BULK	BN
<b>BT</b>	BOTTLE	BO
<b>BP</b>	100 BOARD FEET	BP
<b>BL</b>	BARREL	BR
<b>BS</b>	BASKET	BS
<b>BI</b>	BELT	BT
<b>BU</b>	BUSHEL (32 DRY QUARTS)	BU
<b>BV</b>	BUSHEL DRY IMPERIAL	BV
<b>BW</b>	BASE WEIGHT	BW
<b>BX</b>	BOX	BX
<b>ZF</b>	MILLION BTUS/DEKATHERM	BZ
<b>C0</b>	CALLS	C0
<b>C1</b>	COMPOSITE PRODUCT POUNDS (TOTAL WEIGHT)	C1
<b>C7</b>	CARSET	C2
<b>C4</b>	CARLOAD	C4
<b>C5</b>	COST	C5
<b>C6</b>	CELL	C6
<b>C8</b>	CUBIC DECIMETER	C8
<b>C9</b>	COIL GROUP	C9
<b>CS</b>	CASE	CA
<b>CB</b>	CARBOY	CB
<b>CC</b>	CUBIC CENTIMETER	CC
<b>KR</b>	KARAT (CARAT)	CD
<b>CF</b>	CUBIC FOOT	CF
<b>CQ</b>	CARD	CG
<b>CO</b>	CONTAINER	CH
<b>CI</b>	CUBIC INCH	CI
<b>CE</b>	CONE	CJ
<b>CR</b>	CONNECTOR	CK
<b>CY</b>	CYLINDER	CL
<b>CM</b>	CENTIMETER	CM
<b>CN</b>	CAN	CN
<b>CP</b>	CRATE	CP
<b>CA</b>	CARTRIDGE	CQ
<b>CZ</b>	CUBIC METER	CR
<b>CX</b>	CASSETTE	CS
<b>CT</b>	CARTON	CT
<b>CU</b>	CUP	CU
<b>CV</b>	COVER	CV
<b>HP</b>	HUNDRED POUNDS	CW
<b>CL</b>	COIL	CX
<b>CD</b>	CUBIC YARD	CY
<b>C3</b>	COMBO	CZ
<b>DA</b>	DAY	DA
<b>DM</b>	DRAM	DF

DG	DECIGRAM	DG
MI	MILE	DH
DI	DISPENSER	DI
DC	DECAGRAM	DJ
KM	KILOMETER	DK
DL	DECILITER	DL
DE	DECIMETER	DM
DO	DOLLARS U.S.	DO
DP	DOZEN PAIR	DP
DQ	DATA RECORD	DQ
DR	DRUM	DR
DS	DISPLAY	DS
DT	DRY TON	DT
DU	DYNE	DU
DK	DEGREES, KELVIN	DV
DX	CALENDAR DAYS (NUMBER OF)	DW
DY	DIRECTORY BOOKS	DY
DZ	DOZEN	DZ
E1	HECTOMETER	E1
EA	EACH	EA
EB	ELECTRONIC MAIL BOXES	EB
EE	EMPLOYEES	EE
EH	KNOTS	EH
EJ	LOCATIONS	EJ
EP	ELEVEN PACK	EP
EQ	EQUIVALENT GALLONS	EQ
EV	ENVELOPES	EV
IU	INTERNATIONAL UNIT	F2
F4	MINIM	F4
F6	PRICE PER SHARE	F6
DF	FAHRENHEIT	FA
FB	FIELDS	FB
FC	1000 CUBIC FEET	FC
FE	TRACK FOOT	FE
FF	HUNDRED CUBIC METERS	FF
FG	TRANSDERMAL PATCH	FG
FJ	SIZING FACTOR	FJ
FK	FIBER	FK
FL	FLAKE TON	FL
FM	MILLION CUBIC FEET	FM
FO	FLUID OUNCE	FO
FT	FOOT	FT
FU	FURLONG	FU
GB	GALLONS PER MINUTE	G2
GI	GILL (IMPERIAL)	G5

<b>GL</b>	GALLON	GA
<b>GG</b>	GREAT GROSS	GG
<b>IG</b>	IMPERIAL GALLON	GI
<b>GM</b>	GRAM	GR
<b>GR</b>	GROSS	GS
<b>GN</b>	GRAIN	GX
<b>H2</b>	HALF LITER	H2
<b>H4</b>	HECTOLITER	H4
<b>HK</b>	HANK	HA
<b>HX</b>	HUNDRED BOXES	HB
<b>HC</b>	HUNDRED COUNT	HC
<b>HZ</b>	HALF DOZEN	HD
<b>HF</b>	HUNDRED FEET	HF
<b>HG</b>	HECTOGRAM	HG
<b>HA</b>	HUNDRED CUBIC FEET	HH
<b>HI</b>	HUNDRED SHEETS	HI
<b>KH</b>	HUNDREDS OF KILOGRAMS	HK
<b>HL</b>	HUNDRED FEET (LINEAR)	HL
<b>HO</b>	HUNDRED TROY OUNCES	HO
<b>HQ</b>	HECTARE	HQ
<b>HR</b>	HOUR	HR
<b>HS</b>	HUNDRED SQUARE FEET	HS
<b>HT</b>	HALF HOUR	HT
<b>HD</b>	HUNDRED	HU
<b>HW</b>	HUNDRED WEIGHT – SHORT (HUNDRED WEIGHT)	HV
<b>CW</b>	HUNDRED WEIGHT (LONG)	HW
<b>HB</b>	HOSPITAL BEDS	HX (X12 VERSION RELEASE 005020 MIGRATION CODE. REFER TO ADC 1008.)
<b>HY</b>	HUNDRED YARDS	HY
<b>I1</b>	PERSONS, CAPACITY	
<b>PX</b>	PELLET	I2 (X12 VERSION RELEASE 005030 MIGRATION CODE. REFER TO ADC 1008.)
<b>PN</b>	PERSON	IE
<b>IH</b>	INHALER	IH
<b>IM</b>	IMPRESSION	IM
<b>IN</b>	INCH	IN
<b>IP</b>	INSURANCE POLICY	IP
<b>IS</b>	STOP	IS
<b>JB</b>	JOB	JA
<b>JU</b>	JUMBO	JB
<b>JO</b>	JOINT	JO
<b>JR</b>	JAR	JR
<b>JG</b>	JUG	JU
<b>K6</b>	KILOLITER	K6
<b>K7</b>	KILOWATT	K7

<b>KV</b>	KILOVOLT	K8 (X12 VERSION RELEASE 006050 MIGRATION CODE. REFER TO ADC 1008.)
<b>CK</b>	CAKE	KA
<b>KE</b>	KEG	KE
<b>KF</b>	KILOPACKET	KF
<b>KG</b>	KILOGRAM	KG
<b>KZ</b>	KILOWATT-HOUR	KH
<b>KK</b>	100 KILOGRAMS	KK
<b>KT</b>	KIT	KT
<b>KU</b>	TASK	KU
<b>DK</b>	KELVIN	KV
<b>L5</b>	LITERS AT 15 DEGREES CELSIUS	L5 (LOCAL CODE SUBMITTED FOR INCLUSION IN X12. REFER TO ADC 1108.)
<b>LB</b>	POUND (AVOIRDUPOIS)	LB
<b>LE</b>	LITE	LE
<b>LF</b>	LINEAR FOOT	LF
<b>LO</b>	LONG TON	LG
<b>LN</b>	LINEAR INCH	LI
<b>LJ</b>	LARGE SPRAY	LJ
<b>LK</b>	LINK	LK
<b>LM</b>	LINEAR METER	LM
<b>LG</b>	LENGTH	LN
<b>LT</b>	LOT	LO
<b>LR</b>	LAYER	LR
<b>LS</b>	LUMP SUM	LS
<b>LI</b>	LITER	LT
<b>LY</b>	LINEAR YARD	LY
<b>M0</b>	MAGNETIC TAPE	M0
<b>M3</b>	MAT	M3
<b>M5</b>	MICROGRAM	MC
<b>MD</b>	AIR DRY METRIC TON	MD
<b>MG</b>	MILLIGRAM	ME
<b>MJ</b>	METRIC GROSS TON	MG
<b>MH</b>	METRIC	MI
<b>MT</b>	MINUTE	MJ
<b>ML</b>	MILLILITER	ML
<b>MM</b>	MILLIMETER	MM
<b>MA</b>	METRIC NET TON	MN
<b>MO</b>	MONTH	MO
<b>M6</b>	METRIC TON	MP
<b>MQ</b>	1000 METERS	MQ
<b>MR</b>	METER	MR
<b>MS</b>	SQUARE MILLIMETER	MS
<b>MK</b>	METRIC LONG TON	MT
<b>MZ</b>	MIXED	MX

<b>N2</b>	NUMBER OF LINES	N2
<b>N7</b>	PART	N7
<b>N9</b>	CARTRIDGE NEEDLE	N9
<b>NB</b>	BARGE	NB
<b>NC</b>	CAR	NC
<b>ND</b>	NET BARRELS	ND
<b>NE</b>	NET LITERS	NE
<b>NF</b>	MESSAGES	NF
<b>NG</b>	NET GALLONS	NG
<b>NI</b>	NET IMPERIAL GALLONS	NI
<b>NJ</b>	NUMBER OF SCREENS	NJ
<b>NK</b>	NIGHTS	NK
<b>NL</b>	LOAD	NL
<b>NM</b>	NAUTICAL MILE	NM
<b>NN</b>	TRAIN	NN
<b>NS</b>	SHORT TON	NS
<b>NT</b>	TRAILER	NT
<b>NV</b>	VEHICLE	NV
<b>NX</b>	PARTS PER THOUSAND	NX
<b>GT</b>	THOUSAND GALLONS PER DAY	NZ (X12 VERSION RELEASE 005030 MIGRATION CODE. REFER TO ADC 1008.)
<b>OA</b>	PANEL	OA
<b>OL</b>	OUTLET	OB (X12 VERSION RELEASE 005030 MIGRATION CODE. REFER TO ADC 1008.)
<b>OC</b>	BILLBOARD	OC
<b>GX</b>	APOTHECARY GRAIN	OG (X12 VERSION RELEASE 005030 MIGRATION CODE. REFER TO ADC 1008.)
<b>OP</b>	TWO PACK	OP
<b>OU</b>	OPERATING UNIT	OU (X12 VERSION RELEASE 005020 MIGRATION CODE. REFER TO ADC 1008.)
<b>OZ</b>	OUNCE - AV	OZ
<b>P0</b>	PAGE - ELECTRONIC	P0
<b>P1</b>	PERCENT	P1
<b>P2</b>	POUNDS PER FOOT	P2
<b>P3</b>	THREE PACK	P3
<b>P4</b>	FOUR PACK	P4
<b>P5</b>	FIVE PACK	P5
<b>P6</b>	SIX PACK	P6
<b>P7</b>	SEVEN PACK	P7
<b>P8</b>	EIGHT PACK	P8
<b>P9</b>	NINE PACK	P9
<b>PL</b>	PAIL	PA
<b>PB</b>	PAIR INCHES	PB
<b>PC</b>	PIECE	PC
<b>PD</b>	PAD	PD
<b>PE</b>	POUNDS EQUIVALENT	PE

PF	PALLET (LIFT)	PF
PO	POUNDS GROSS	PG
PH	PACK (PAK)	PH
PY	PITCH	PI
PG	PACKAGE	PK
PJ	PALLET/UNIT LOAD	PL
PS	POUNDS NET	PN
PM	PLATE	PP
PR	PAIR	PR
PT	PINT	PT
PU	MASS POUNDS	PU
PV	HALF PINT	PV
PP	PINT IMPERIAL	PX
PK	PECK DRY US	PY
PQ	PECK DRY IMPERIAL	PZ
ME	MEAL	Q3
FY	FIFTY	Q4
TF	TWENTY-FIVE	Q5
TS	THIRTY-SIX	Q6
TD	TWENTY-FOUR	Q7
FV	FIVE	Q9 (X12 VERSION RELEASE 005030 MIGRATION CODE. REFER TO ADC 1008.)
QC	CHANNEL	QC
QU	QUARTER DOZEN	QD
QE	PHOTOGRAPHS	QE
QF	QUARTER	QF **
QK	QUARTER KILOGRAM	QK
QR	QUIRE	QR
QS	QUART DRY U.S.	QS
QT	QUART	QT
QI	QUART IMPERIAL	QU
R4	CALORIE	R4
R5	THOUSANDS OF DOLLARS	R5
R9	THOUSAND CUBIC METERS	R9
RR	RACK	RA
RB	RADIAN	RB
RC	ROD (AREA) - 16.25 SQUARE YARDS	RC
RD	ROD (LENGTH) - 5.5 YARDS	RD
RL	REEL	RE
RG	RING	RG
RH	RUNNING OR OPERATING HOURS	RH
RK	ROLL-METRIC MEASURE	RK
RO	ROLL	RL
RM	REAM	RM
RN	REAM-METRIC MEASURE	RN

RE	ROUND	RO
RP	POUNDS PER REAM	RP
RS	RESETS	RS
RT	REVENUE TON MILES	RT
RU	RUN	RU
RX	THOUSAND ROUNDS	RX
S5	SIXTY-FOURTHS OF AN INCH	S5
S6	SESSIONS	S6
S7	STORAGE UNITS	S7
SW	STANDARD ADVERTISING UNIT	S8
S9	SLIP SHEET	S9
SA	SANDWICH	SA
M2	SQUARE MILE	SB
C2	SQUARE CENTIMETER	SC
SN	SECTION (640 ACRES OR ONE SQUARE MILE)	SE
SF	SQUARE FOOT	SF
SG	SEGMENT	SG
SH	SHEET	SH
SI	SQUARE INCH	SI
SJ	SACK	SJ
SR	SPLIT TANKTRUCK	SK
SV	SLEEVE	SL
SM	SQUARE METER	SM
SU	SQUARE ROD	SN
SL	SPOOL	SO
S8	SHELF PACKAGE	SP
SQ	SQUARE	SQ
SP	STRIP	SR
SS	SHEET-METRIC MEASURE	SS
SE	SET	ST
SD	SKID	SV
SK	SKEIN	SW
SB	SHIPMENT	SX
SY	SQUARE YARD	SY
SZ	SYRINGE	SZ
T1	THOUSAND POUNDS GROSS	T1
T3	THOUSAND PIECES	T3
T4	THOUSAND BAGS	T4
T5	THOUSAND CASINGS	T5
T6	THOUSAND GALLONS	T6
T7	THOUSAND IMPRESSIONS	T7
T8	THOUSAND LINEAR INCHES	T8
T9	THOUSAND KILOWATT HOURS/MEGAWATT-HOUR	T9
TA	TENTH CUBIC FOOT	TA
TU	TUBE	TB

<b>TC</b>	TRUCK LOAD	TC
<b>TG</b>	GROSS TON	TG
<b>MX</b>	THOUSAND	TH
<b>TI</b>	THOUSAND SQUARE INCHES	TI
<b>TJ</b>	THOUSAND SQUARE CENTIMETERS	TJ
<b>TK</b>	TANK	TK
<b>MF</b>	THOUSAND FEET	TL
<b>TM</b>	THOUSAND FEET (BOARD)	TM
<b>TN</b>	NET TON (2,000 POUNDS)	TN
<b>TO</b>	TROY OUNCE	TO
<b>TV</b>	TEN-PACK	TP
<b>TQ</b>	THOUSAND FEET	TQ
<b>TR</b>	TEN SQUARE FEET	TR
<b>TZ</b>	THOUSAND SQUARE FEET	TS
<b>TL</b>	THOUSAND LINEAR METERS	TT
<b>TX</b>	THOUSAND LINEAR YARDS	TU
<b>TH</b>	THOUSAND KILOGRAMS	TV
<b>TW</b>	THOUSAND SHEETS	TW
<b>TP</b>	TROY POUND	TX
<b>TY</b>	TRAY	TY
<b>MC</b>	THOUSAND CUBIC FEET	TZ
<b>U1</b>	TREATMENT	U1
<b>TT</b>	TABLET	U2
<b>TE</b>	TEN	U3
<b>U5</b>	TWO HUNDRED FIFTY	U5
<b>U6</b>	UNITED STATES GALLONS @ 60 DEGREES FAHRENHEIT	U6 (MIGRATION CODE APPROVED FOR VERSION TO BE PUBLISHED JAN 2014. REFER TO ADC 1008.)
<b>UH</b>	TEN THOUSAND YARDS	UH
<b>UL</b>	UNITLESS	UL
<b>UM</b>	MILLION UNITS	UM
<b>UN</b>	UNIT	UN
<b>UP</b>	TROCHE	UP
<b>UQ</b>	WAFER	UQ
<b>AD</b>	APOTHECARY DRAM	UX
<b>V1</b>	FLAT	V1
<b>V2</b>	POUCH	V2
<b>VC</b>	FIVE HUNDRED	VC
<b>VI</b>	VIAL	VI
<b>VS</b>	VISIT	VS
<b>W2</b>	WET KILO	W2
<b>WB</b>	WET POUND	WB
<b>WD</b>	WORK DAY	WD
<b>WE</b>	WET TON	WE
<b>WG</b>	WINE GALLON	WG

<b>WH</b>	WHEEL	WH
<b>WK</b>	WEEK	WK
<b>DW</b>	PENNYWEIGHT	WP
<b>WR</b>	WRAP	WR
<b>CH</b>	CHAIN	X1
<b>X2</b>	BUNCH	X2
<b>X3</b>	CLOVE	X3
<b>X4</b>	DROP	X4
<b>X5</b>	HEAD	X5
<b>X6</b>	HEART	X6
<b>X7</b>	LEAF	X7
<b>X8</b>	LOAF	X8
<b>X9</b>	PORTION	X9
<b>Y1</b>	SLICE	Y1
<b>TB</b>	TABLESPOON	Y2
<b>T2</b>	TEASPOON	Y3
<b>Y4</b>	TUB	Y4
<b>YD</b>	YARD	YD
<b>YL</b>	100 LINEAL YARDS	YL
<b>YR</b>	YEAR	YR
<b>Z1</b>	LIFT VAN	Z1
<b>Z2</b>	CHEST	Z2
<b>Z3</b>	CASK	Z3
<b>HH</b>	HOGSHEAD	Z4
<b>Z5</b>	LUG	Z5
<b>PA</b>	PAGE	ZP
<b>B2</b>	BARREL, DRY	ZW (X12 VERSION RELEASE 005020 MIGRATION CODE. REFER TO ADC 1008.)
<b>B1</b>	BARREL, LIQUID	ZX (X12 VERSION RELEASE 005020 MIGRATION CODE. REFER TO ADC 1008.)
<b>AS</b>	APOTHECARY SCRUPLE	ZY (X12 VERSION RELEASE 005020 MIGRATION CODE. REFER TO ADC 1008.)

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## 5 Additional Information: General Text

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### 5.1 Overview

Many fields, outlined in Section 3.2, include the use of “General Text” within their format. The permitted characters vary depending on the field; however, the majority of acceptable characters to use in General Text are listed below.

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### 5.2 Permitted Characters

Uppercase letters: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Lowercase letters: a b c d e f g h i j k l m n o p q r s t u v w x y z

Numerals: 0 1 2 3 4 5 6 7 8 9

Symbols: {space} ! " # \$ % & ' ( ) \* + , - . / : ; < = > ? @ [ \ ] \_ ` { } ~

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### 5.3 Prohibited Characters

There are a number of characters that seem similar to those listed above but do *not* qualify as General Text. The following examples show common misuses of characters:

- While the hyphen (-) character is permitted the em-dash (—) and en-dash (–) are not.
- Regular double quotation marks (") must be used rather than special double quotation marks (“”). The same rule applies for single quotation marks, regular (') versus special (’).  
*Note:* Microsoft Office autocorrects regular quotation marks to special quotation marks but this can be avoided by pressing Ctrl+Z (or “undo”) after typing the character. Notepad produces these characters in their correct form.

The following characters are also prohibited:

- Symbols: caret (^) and pipe (|)
- Symbols greater than DEC 126 on the ASCII table  
*Note:* Users with technical backgrounds are likely to be familiar with the ASCII table. For unfamiliar users, the ASCII table can be accessed at <https://www.ascii-code.com/>