

Steps for Creating and Publishing PunchOut® Catalogs for RR Donnelley

INTERNAL



Agenda

Setting up your Ariba Network Account for PunchOut

PunchOut URL and Authentication

Templates and Catalog File Creation

Level 1 and Level 2 Catalog Files

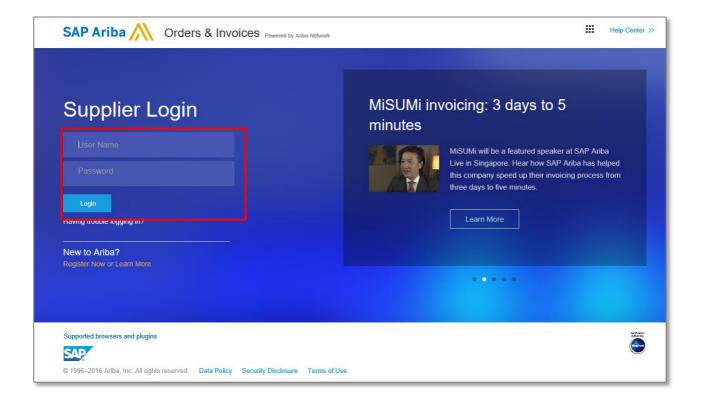
Appendix

Creating a CIF from an Excel File

Setting up an Ariba Network Account for PunchOut

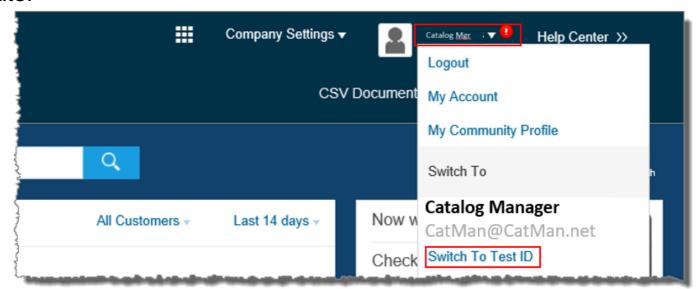
Setting up an AN account for PunchOut

Login to your Ariba Supplier Account (supplier.ariba.com)



Setting up Ariba Network account for PunchOut

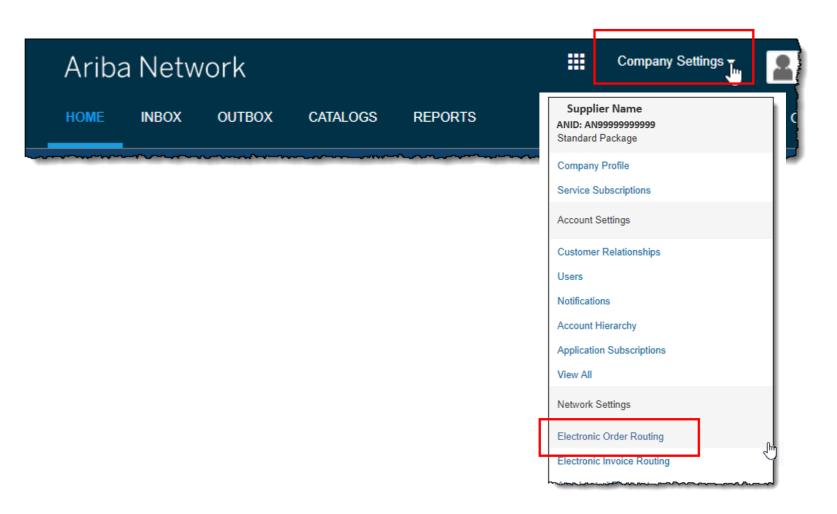
- Switch to your Test Account
 - Your Network Account needs to be set up in both your Test and Production environments
 - Find your name and click for the pull down menu, then click "Switch To Test ID"
 - If you don't see a "Switch to Test ID" link, your Test account has not yet been set up. Contact your Ariba Network Administrator



You will get a warning. "You are about to switch to Test Mode." Click "OK"

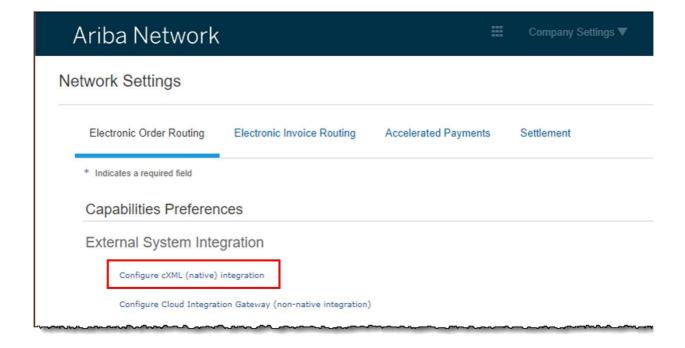
Setting up an AN account for PunchOut

- Go to Company Settings, and click the pulldown menu
- Scroll down to click on Electronic Order Routing
- Please note the next three steps need to be done in your Test and Production environments



Setting up an AN account for PunchOut

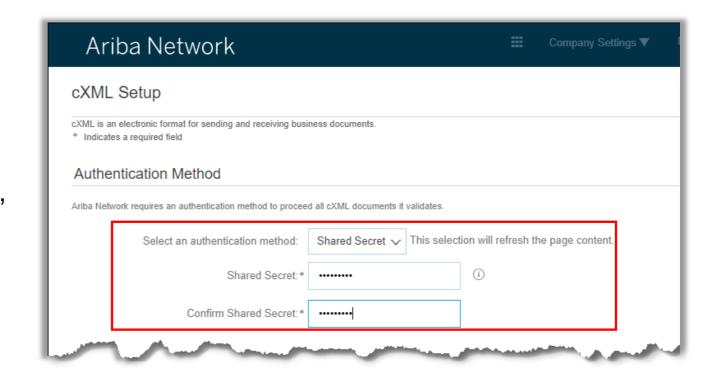
Under Electronic Order
 Routing, click on Configure
 cXML (native) integration



Setting up Ariba Network account for PunchOut

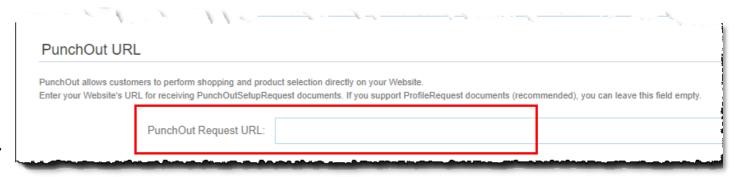
Two things need to be set up for you to provide PunchOut catalogs.

- First, an Authentication Method.
 The Preferred method is Shared
 Secret. Type in your Shared Secret, and confirm it. This Shared Secret will be sent to you to authenticate requests from your Buyers
- Please be aware that the Shared Secret cannot be the same in both your Test and Production Accounts



Setting up Ariba Network account for PunchOut

Second, your company's complete
 PunchOut Request URL. This is location where PunchOut requests will be sent. This field is checked, and its value used each time a Buyer punches out to your site



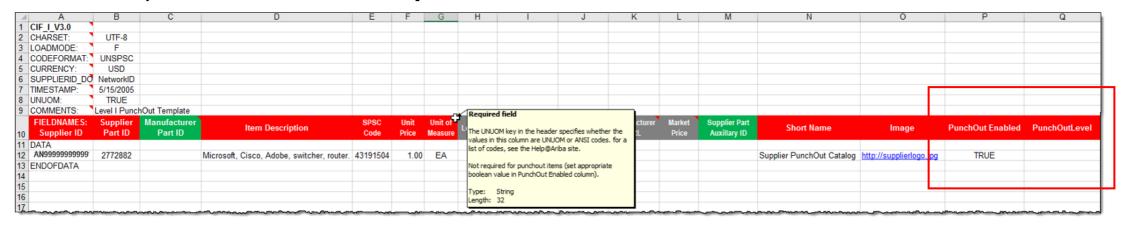
Templates and Catalog File Creation

PunchOut Templates

A **PunchOut Template** is a special **CIF Template** that creates a **PunchOut Index file**. The addition of two fields changes a CIF file to a PunchOut Index file. The fields are:

- PunchOut Enabled and
- PunchOutLevel

Here is a sample **L1 PunchOut Template** in Excel format.

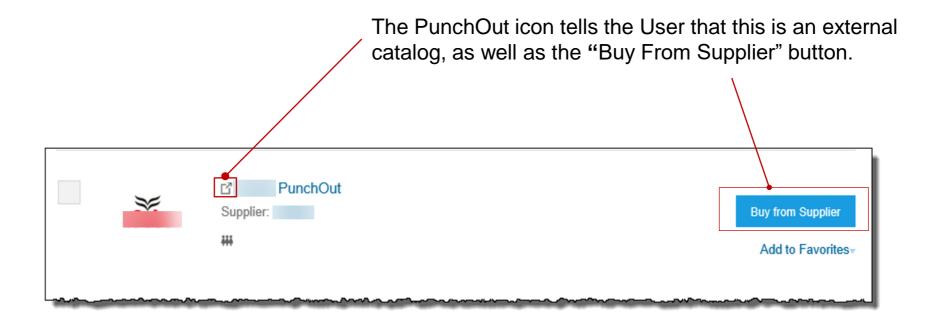


The Template is color coded and has Tool Tips that provide information about how to treat each field.

Each Template includes specific instructions, including custom fields or other requirements set by RR Donnelley.

Templates and Catalog Creation – L1 PunchOut

In Level 1 PunchOut, the catalog file is a simple, one line Index file. This is because a L1 Catalog appears on the catalog interface just as a link to the Supplier's website.

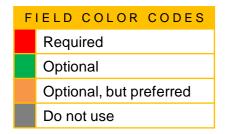


Creating a L1 PunchOut Catalog

The Header Section

	Α	В
1	CIF_I_V3.0	
2	CHARSET:	UTF-8
3	LOADMODE:	F
4	CODEFORMAT:	UNSPSC_V13.5
5	CURRENCY:	USD
6	SUPPLIERID_DOMAIN:	NetworkID
7	ITEMCOUNT:	5
8	TIMESTAMP:	5/15/2005
9	UNUOM:	TRUE
10	COMMENTS:	Any comments can go here.

Note: The only fields that Suppliers should modify in the Template are indicated in red: **CURRENCY**, **ITEMCOUNT**, **TIMESTAMP** and **COMMENTS**. All the other fields are predefined in the Template for the Customer and should not be modified, unless instructed by a Catalog Expert.



- CIF_I_V3.0—Specifies the Catalog format (CIF 3.0). Do not change this value
- CHARSET—UTF-8 Specifies the data coding type. Do not change this value, unless instructed by your Catalog Expert
- LOADMODE—F (Full) or I (Incremental)
- CODEFORMAT—Specifies the commodity coding (UNSPSC: United Nations Standard Products and Services Code) in the field "SPSC Code"
- CURRENCY—Specifies the currency used for the prices. The value "USD" (United States Dollar) is here by default and can be changed to a different currency
- SUPPLIERID_DOMAIN—Specifies the Domain used. The preferred value is the Supplier's Ariba Network ID Number—"NetworkID". Other values include "DUNS", "internal supplierid" or other custom values
- ITEMCOUNT—Specifies the number of items of the Catalog. Enter the total number of all items between the DATA and ENDOFDATA markers
- TIMESTAMP—Enter the date you created your Catalog.
- UNUOM—If set to "TRUE", the Unit Of Measure is set to UNUOM (United Nations Unit of Measure); if set to "FALSE", the value is set to ANSI. (Ariba recommends UNUOM)
- COMMENTS—This field is optional, but can be used for comments related to your Catalog. It is a good
 place to enter the Supplier Name, the Customer Name and Catalog Name

Ariba Network – File Size Limits

- CIF Format: When using the catalog wizard, the catalog file can't exceed 95 MB or 400,000 lines.
- Excel Format: The maximum size of zipped Excel file that you can upload is 1 MB (uncompressed). If your Excel files exceed these size, you can convert them to CIF manually and upload the CIF files. Ariba Network uploads the file, unzips it if necessary, converts it to CIF format, and starts validation. Conversion from Excel to CIF can take several minutes depending on the catalog size. As Excel files convert, their status is Validating.
- cXML Format: If you use the cXML CatalogUploadRequest transaction, the zipped catalog file cannot exceed 10 MB, and the unzipped CIF file cannot exceed 95 MB (approximately 400,000 line items). To have this default size limit increased to 200 MB, contact SAP Ariba Customer Support.

The Data Section

Supplier ID	Supplier Part ID	Manufacturer Part ID
AN9999999999	2772882	

Supplier ID - Required

Description: If the Header is set to "NetworkID", then enter the Supplier's Ariba Network ID, otherwise the appropriate value for the Domain used—DUNS, internal system, etc. Ask your Catalog Expert if you have guestions. For PunchOut, be sure the Supplier can accept the Domain and value in their system for authentication

Type of data: String Maximum length: 255 **Example:** AN9999999999

Note: If you publish the Catalog in your test account, add a suffix –T to your ANID or DUNS number like

this: AN9999999999-T

Supplier Part ID - Required

Description: In L1 PunchOut this can be any value. It is required to be populated. You could set a

keyword for the Supplier to evaluate here if you wish

Type of data: String Maximum length: 255 **Example:** 2772882

Manufacturer Part ID – Do Not Use in L1 File

Description: In L1 PunchOut this can be any value. It is not required to be populated, but the field must

remain. You could set a keyword for the Supplier to evaluate here if you wish

Type of data: String Maximum length: 255 Example: TTSIBM412CID

Item Description	SPSC Code	Unit Price
Pen, Pencil, desk, paper, notebook, computer accessories	43191504	1.00

Item Description - Required

Description: In L1 PunchOut, include keywords for items you sell in the catalog.

Type of data: String Maximum length: 2000

Example: Pen, Pencil, desk, paper, notebook, computer accessories

SPSC Code – Required

Description: Classification of the main product or service you sell. For L1 PunchOut, this will only determine where the Supplier link appears in the catalog hierarchy—not what the actual items are

Type of data: String Maximum length: 40

Example: 45678900 (level 3) and 45678923 (level 4)

Note: Ariba supports UNSPSC Version 13.5. A code list is available in your Customer's Supplier

Information Portal

Unit Price - Required

Description: In Level 1 PunchOut, the price is not used, but must be populated. It is suggested that you

set the value to 1.00 Type of data: Decimal

Example: 1.00

Note: To separate the integer from the decimal, you must use a 'dot' and not a comma. Also, do not use a comma to indicate 'thousands'. Do not include any currency symbols such as \$, £ or ¥.

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Unit of Measure	Lead Time	Manufacturer Name
EA		

Unit of Measure - Required

Description: For L1 PunchOut, this is just populated to meet the system requirement—UOM is not used.

It is suggested that you use EA

Type of data: String Maximum length: 32

Example: EA

Lead Time – Do Not Use in L1 File

Description: For L1 PunchOut, this is not used, but the field must remain

Type of data: Integer Maximum length: 40

Example: 1

Manufacturer Name - Do Not Use in L1 File

Description: For L1 PunchOut, this is not used, but the field must remain

Type of data: String Maximum length: 255

Example: Epson

Supplier URL	Manufacturer URL	Market Price

Supplier URL – Do Not Use in L1 File

Description: For L1 PunchOut, this is not used, but the field must remain

Type of data: String
Maximum length: 255

Example: http://www.supply.com/Catalog/product18.htm

Manufacturer URL – Do Not Use in L1 File

Description: For L1 PunchOut, this is not used, but the field must remain

Type of data: String
Maximum length: 255

Example: http://www.manu.com/Catalog/product18.htm

Market Price – Do Not Use in L1 File

Description: For L1 PunchOut, this is not used, but the field must remain

Type of data: Decimal Example: 4.32 or 1234.78

Supplier Part Auxiliary ID	Language	Currency
Seattle		

Supplier Part Auxiliary ID - Optional

Description: In L1 PunchOut, this can be used to convey a value for the Supplier to process, and send

back the appropriate catalog URL

Type of data: String
Maximum length: 255
Example: 1234 French

Note: If any items have the same reference (Supplier Part ID column), this column allows you to

differentiate them

Language – Do Not Use in L1 File (If blank, defaults to 'en_US')

Description: Specifies the language used to describe the item. Not used in L1 catalogs but field must

remain.

Type of data: String
Maximum length: 255
Example: en US

Note: A listing of language codes is in your Customer's Supplier Information Portal

Currency – Do Not Use in L1 File (Set in Header)

Description: Specifies the currency used for the prices. Not used in L1 catalogs but field must remain.

Type of data: String Maximum length: 32

Example: USD, CAD (Canadian Dollar)

Note: A listing of currency codes is in your Customer's Supplier Information Portal

Short Name		
<suppliername> Catalog Name</suppliername>		

■ Short Name - Required

Description: In L1 PunchOut, this is what will actually display to the User on the UI and on a Guided

Buying Tile

Type of data: String

Example: Acme PunchOut Catalog *Maximum length:* 50 characters

Image	Thumbnail
http://www.logoimages.com/Your_Company_Logo_URL	

Image – Required/Supplier Logo

Description: A remote image using a URL is preferred. URL address must be complete (including http://) and point directly to the image itself.

A local image can be used. The local image file name in the Image field of the template must be exact (including upper and lower case). The image file should be loaded on the Network in a ZIP file format with the Customer Name and Supplier Name.

Type of data: String

Length: 255

Preferred Image Format: .jpg

Remote Image Size Maximum: 500 x 500 pixels Local Image Size Maximum: 250 x 250 pixels

Other supported image formats: JPEG, GIF, PNG, BMP—(JPG preferred)

Thumbnail – Do Not Use in L1 Files

Description: For L1 PunchOut, this is not used.

Supported image formats: JPG, JPEG, GIF, PNG, BMP—(JPG preferred)

Type of data: String
Maximum length: 255

Recommended Size: 85 x 85 pixels

Effective Date	Expiration Date

Effective Date – Do Not Use in L1 Files

Description: For L1 PunchOut, this field is not used.

This field is Optional to be included on the supplier's website.

Date that the catalog item becomes valid and visible.

Type of data: Date
Format: YYYY-MM-DD

Note: If you load an item with a date prior to today, the item will be seen immediately, regardless of the

Effective Date.

Expiration Date - Do Not Use in L1 Files

Description: For L1 PunchOut, this field is not used.

This field is Optional to be included on the supplier's website.

Date that the catalog item expires and is removed from catalog visibility.

Type of data: Date
Format: YYYY-MM-DD

Note: In Ariba catalogs there is no warning about items' expiring. When the date occurs, the item(s) are

removed from visibility automatically.

IsInternalPartId

IsInternalPartId - Do Not Use in L1 Files

Description: For L1 PunchOut, this field is not used.

Part identifier used by the Buyer. Set to yes to indicate that the catalog item is a non-

standard item.

Type of data: Flag Format/Input: Yes

Price Unit Quantity	Price Unit

Unit Conversion	Pricing Description

Price Unit Quantity – Do Not Use in L1 Files

Description: For L1 PunchOut, this field is not used. **This field is Optional to be included on the supplier's website.**

The quantity corresponding to the unit price of the item specified by the supplier. The unit price is based on the price unit quantity of the item. This is a mandatory field if you want to specify the catalog item with advanced pricing details.

Type of data: Decimal

Price Unit - Do Not Use in L1 Files

Description: For L1 PunchOut, this field is not used. **This field is Optional to be included on the supplier's website.**

The unit of measure for the unit price. This is a mandatory field if you want to specify the catalog item with advanced pricing details.

Type of data: String

Unit Conversion – Do Not Use in L1 Files

Description: For L1 PunchOut, this field is not used. **This field is Optional to be included on the supplier's website.**

Ratio used to convert the ordered unit to the price unit. The unit price is based on the price unit quantity and the price unit. Ariba uses the unit conversion to calculate the subtotal of an item using the following formula: Subtotal = Quantity * (Unit Conversion/Price Unit Quantity) * Unit Price

This is a mandatory field if you want to specify the catalog item with advanced pricing details.

Type of data: Decimal

Pricing Description - Do Not Use in L1 Files

Description: For L1 PunchOut, this field is not used. **This field is Optional to be included on the supplier's website.**

Any information for advanced pricing details. You can use this field to store additional information on the unit conversion calculation.

Type of data: String

	DefaultRelevance
1000	

- DefaultRelevance Required DO NOT CHANGE THIS DEFAULT FIELD
- THIS VALUE MUST REMAIN IN THE FILE

Description: Partially determines the relevance ranking the procurement application uses to display catalog items in a search. For example, 1000 is most relevant, and 0 is least relevant.

Default Value: 1000

Type of data: Integer

Maximum length: 4 (0 – 1000)

PunchOut Enabled	PunchOutLevel	
TRUE		

PunchOut Enabled - Required

Description: Tells the system that this file is a PunchOut Index file. Must be set to TRUE for the system to

see this as a PunchOut item.

Type of data: Boolean *Input*: TRUE or FALSE

Example: True

PunchOutLevel - Do Not Use in L1 Files

Description: For L1 PunchOut, this is not used. Tells the system that this item is a L2 PunchOut item that will take the User to the Supplier's site at the **Store** Level (like a L1), the **Aisle** level (a category, that requires then to further refine the search on the Supplier's site), the **Shelf** level (a refined category that results in only a few items that will all be displayed in the PunchOut) or the **Product** level (this takes the User to the exact item on the Supplier's site that they searched for in Ariba). **Product** is the most common level.

Type of data: String

Values: Store, Aisle, Shelf, Product

Example: Product

Note: This field is used only by SAP Ariba Buying and Invoicing. L2 PunchOut is not available in Ariba

Catalogs or Ariba Procurement Content.

Creating a L1 PunchOut Catalog

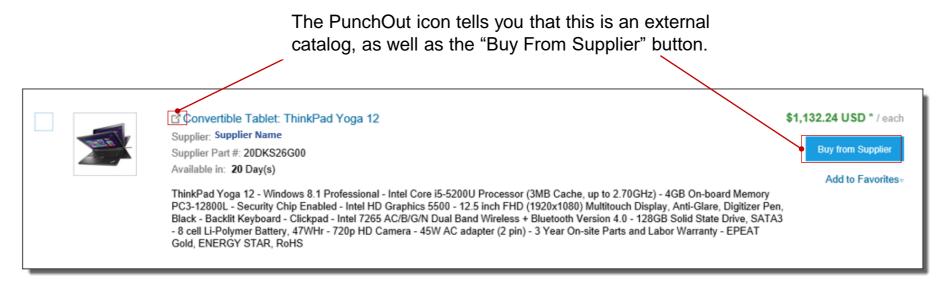
Special Notes for Images

- In the Catalog file, you can refer to a Remote Image—using a URL—or you can refer to a Local Image, and send that image to Ariba to store
- Using Remote Images is preferred
 - Be sure the URL in the Template is complete (including http://) Example: http://server/directory/imagefilename.jpg
 - Point to the image itself—not a program that serves up images
- If you use Local Images
 - Be sure the filename in the Template is *exact*—including upper and lower case *Example:* FileName.jpg -or- lowercasename.jpg
 - Load images in a zip file format with the Customer Name and Supplier Name on the AN

Creating a L2 PunchOut Catalog

In **Level 2 PunchOut**, the catalog file is a combination of static catalog information (this is used to search) and it also contains the **PunchOut Enabled** and **PunchOutLevel** fields, to tell the system that this is a PunchOut catalog, and the User will be taken to the Supplier's website to add items to their cart as they shop.

L2 PunchOut items appear on the Catalog interface just as a static item does, but has the "Buy from Supplier" button instead of "Add to Cart".

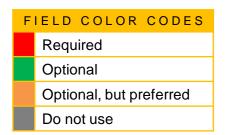


Creating a L2 PunchOut Catalog

The Header Section

	Α	В	
1	<u>CIF_I_V3.0</u>		
2	CHARSET:	UTF-8	
3	LOADMODE:	F	
4	CODEFORMAT:	UNSPSC_V13.5	
5	CURRENCY:	USD	
6	SUPPLIERID_DOMAIN:	NetworkID	
7	ITEMCOUNT:	5	
8	TIMESTAMP:	5/15/2005	
9	UNUOM:	TRUE	
10	COMMENTS:	Any comments can go here.	

Note: The only fields that Suppliers should modify in the Template are indicated in red: **CURRENCY**, **ITEMCOUNT**, **TIMESTAMP** and **COMMENTS**. All the other fields are predefined in the Template for the Customer and should not be modified, unless instructed by a Catalog Expert.



- CIF_I_V3.0—Specifies the Catalog format (CIF 3.0). Do not change this value
- CHARSET—UTF-8 Specifies the data coding type. Do not change this value, unless instructed by your Catalog Expert
- LOADMODE—F (Full) or I (Incremental)
- CODEFORMAT—Specifies the commodity coding (UNSPSC: United Nations Standard Products and Services Code) in the field "SPSC Code"
- CURRENCY—Specifies the currency used for the prices. The value "USD" (United States Dollar) is here by default and can be changed to a different currency
- SUPPLIERID_DOMAIN—Specifies the Domain used. The preferred value is the Supplier's Ariba Network ID Number—"NetworkID". Other values include "DUNS", "internal supplierid" or other custom values
- ITEMCOUNT—Specifies the number of items of the Catalog. Enter the total number of all items between the DATA and ENDOFDATA markers
- TIMESTAMP—Enter the date you created your Catalog.
- UNUOM—If set to "TRUE", the Unit Of Measure is set to UNUOM (United Nations Unit of Measure); if set to "FALSE", the value is set to ANSI. (Ariba recommends UNUOM)
- COMMENTS—This field is optional, but can be used for comments related to your Catalog. It is a good
 place to enter the Supplier Name, the Customer Name and Catalog Name

Ariba Network – File Size Limits

- CIF Format: When using the catalog wizard, the catalog file can't exceed 95 MB or 400,000 lines.
- Excel Format: The maximum size of zipped Excel file that you can upload is 1 MB (uncompressed). If your Excel files exceed these size, you can convert them to CIF manually and upload the CIF files. Ariba Network uploads the file, unzips it if necessary, converts it to CIF format, and starts validation. Conversion from Excel to CIF can take several minutes depending on the catalog size. As Excel files convert, their status is Validating.
- cXML Format: If you use the cXML CatalogUploadRequest transaction, the zipped catalog file cannot exceed 10 MB, and the unzipped CIF file cannot exceed 95 MB (approximately 400,000 line items). To have this default size limit increased to 200 MB, contact SAP Ariba Customer Support.

The Data Section

Supplier ID	Supplier Part ID	Manufacturer Part ID
AN9999999999	12345	CFG 11562
AN9999999999	87690	87690-12
AN9999999999	479-56	A100-BLK

Supplier ID - Required

Description: If the Header is set to "NetworkID", then enter the Supplier's Ariba Network ID, otherwise the appropriate value for the Domain used—DUNS, internal system, etc. Ask your Catalog Expert if you have guestions. For PunchOut, be sure the Supplier can accept the Domain and value in their system for authentication

Type of data: String Maximum length: 255 **Example:** AN9999999999

Note: If you publish the Catalog in your test account, add a suffix –T to your ANID or DUNS number like

this: AN9999999999-T

Supplier Part ID - Required

Description: Part Number used by the Supplier. The Part Number must be unique for each item in the

Catalog.

Type of data: String Maximum length: 255 **Example:** 2772882

Manufacturer Part ID – Optional, but Preferred

Description: A Part Number that a Manufacturer uses

Type of data: String Maximum length: 255 Example: TTSIBM412CID

Item Description	SPSC Code	Unit Price
Pens, Bic, Ballpoint, Blue, 1 dozen	43191504	5.32
Stapler, Swingline, Black	55010125	
Post-It, Yellow, 1"x2", pad of 100	15874236	1.38
Folders, Letter, Manilla, 100	89745125	

Item Description - Required

Description: Description of the product or service. Make your descriptions as clear and complete as possible (Item type, brand, model, color, etc.)

Note: To use a special character as a literal value, you need to "escape" it by putting a backslash (\) in front of it. For example, \" lets a double quote be seen as a quote instead of a delimiter for an entry. To escape a quote (") within a quoted field, use two quotes ("")

Type of data: String Maximum length: 2000

Example: Printer, Laser, A4, Epson Stylus Color 740

SPSC Code – Required

Description: Classification of the product or service. Use a UNSPSC code if the Header specifies

"UNSPSC" as the CODEFORMAT

Type of data: String Maximum length: 40

Example: 45678900 (level 3) and 45678923 (level 4)

Note: Ariba supports UNSPSC Version 13.5.

Unit Price – Required

Description: Customer-specific price. For L2 PunchOuts the price can be left blank if the Buyer agrees.

Type of data: Decimal **Example:** 4.32 or 1234.78

Note: To separate the integer from the decimal, you must use a 'dot' and not a comma. Also, do not use a

comma to indicate 'thousands'. Do not include any currency symbols such as \$, £ or ¥.

Unit of Measure	Lead Time	Manufacturer Name
EA	1	Intelidata
EA	1	IDG Book
DZN	3	Bic
EA	1	Swingline

Unit of Measure - Required

Description: Unit of measure related to the Unit Price. Use a United Nations UOM if the UNUOM in the

Header is set to "True"

Type of data: String Maximum length: 32

Example: BX

Note: A file containing the Units of Measure is available in your Customer's Supplier Information Portal

Lead Time – Optional, but Preferred

Description: Number of working days for the product to be shipped from the date you receive the

Purchase Order.

Type of data: Integer Maximum length: 40

Example: 1

Manufacturer Name – Optional, but Preferred

Description: Name of the manufacturer

Type of data: String Maximum length: 255

Example: Epson

Supplier URL	Manufacturer URL	Market Price
http://www.supplier.com	http://www.manu.com	12.95
http://www.supplier.com		2296.56
http://www.supplier.com		4.86
http://www.supplier.com		12.86

Supplier URL – Optional, but Preferred

Description: A URL that links to a Supplier static page about the item (could be a MSDS, construction

info, packaging info, etc.) Type of data: String

Maximum length: 255

Example: http://www.supply.com/Catalog/product18.htm

Manufacturer URL – Optional, but Preferred

Description: A URL that links to a Manufacturer's static page about the item (could be a MSDS,

construction info, packaging info, etc.)

Type of data: String Maximum length: 255

Example: http://www.manu.com/Catalog/product18.htm

Market Price – Optional

Description: List or retail price.

Note: Does not show on the Ariba UI—this is an informational-only field for Suppliers

Type of data: Decimal **Example:** 4.32 or 1234.78

Note: To separate the integer from the decimal, you must use a 'dot' and not a comma. Also, do not use a

comma to indicate 'thousands'. Do not include any currency symbols such as \$, £ or ¥.

Supplier Part Auxiliary ID	Language	Currency
1234-75	en_US	USD
	en_US	USD
	en_US	USD
	en_US	USD

Supplier Part Auxiliary ID - Optional

Description: Uniquely identifies a single item. For example, items in multiple languages or available in

multiple units of measure

Type of data: String
Maximum length: 255
Example: 1234 French

Note: If any items have the same reference (Supplier Part ID column), this column allows you to

differentiate them

Language – Optional (If blank, defaults to 'en_US')

Description: Specifies the language used to describe the item.

Type of data: String
Maximum length: 255
Example: en US

Note: A listing of language codes is in your Customer's Supplier Information Portal

Currency – Optional (Set in Header)

Description: Specifies the currency used for the prices

Type of data: String

Maximum length: Up to 5 - Use ISO 4217 Codes (case-insensitive)

Example: USD, CAD (Canadian Dollar)

Note: A listing of currency codes is in your Customer's Supplier Information Portal

Short Name
Soft Drink, Soda, Dr Pepper
Dairy, Milk, 1% milkfat
Coffee, Dark Roast, Starbucks
Soft Drink, Juice, Minute Maid

Short Name – Optional, but Preferred

Description: Short description of the item. The Short Name is displayed first in the UI, and is in a larger type face and blue color. You can use the Short Name to describe a category or Item type, then give the specifics in the Item Description

Type of data: String

Example: Nylon Glove, Blue

Maximum length: 40 characters Note: Use 30 characters or less to avoid formatting issues. Note: If the "Short Name" field is left blank, the first 40 characters of the Item Description column will

automatically fill the "Short Name" field

Image	Thumbnail
12354.Jpg	http://www.1.com/12354.jpg
http://www.1.com/34.jpg	http://www.1.com/34.jpg
587.jpg	http://www.1.com/587.Jpg
http://www.1.36.jpg	http://www.1.36.jpg

Image - Optional, but Preferred

Description: A remote image using a URL is preferred. URL address must be complete (including http://) and point directly to the image itself.

A local image can be used. The local image file name in the Image field of the template must be exact (including upper and lower case). The image file should be loaded on the Network in a ZIP file format with the Customer Name and Supplier Name.

Type of data: String

Length: 255

Preferred Image Format: .jpg

Remote Image Size Maximum: 500 x 500 pixels Local Image Size Maximum: 250 x 250 pixels

Other supported image formats: JPEG, GIF, PNG, BMP—(JPG preferred)

Thumbnail - Optional, but Preferred

Description: URL of an Icon-size image of the item, or filename of the image (sent in the zip file)—can be

different from the product's full-size Image

Supported image formats: JPG, JPEG, GIF, PNG, BMP—(JPG preferred)

Type of data: String Maximum length: 255

Reccomended Size: 85 x 85 pixels

Note: If the "Thumbnail" field is left blank, the file in the "Image" field will be resized and populate the

Thumbnail

Effective Date	Expiration Date
2018-01-06	2018-12-31
	2018-01-08
2018-01-06	

Effective Date – Optional

Description: Date that the catalog item becomes valid and visible.

Type of data: Date Format: YYYY-MM-DD

Note: If you load an item with a date prior to today, the item will be seen immediately, regardless of the

Effective Date.

Expiration Date - Optional

Description: Date that the catalog item expires and is removed from catalog visibility.

Type of data: Date Format: YYYY-MM-DD

Note: In Ariba catalogs there is no warning about items' expiring. When the date occurs, the item(s) are

removed from visibility automatically.

IsInternalPartId		
Yes		

■ IsInternalPartId – Optional

Description: Part identifier used by the Buyer. Set to yes to indicate that the catalog item is a non-standard item.

Type of data: Flag Format/Input: Yes

Price Unit Quantity	Price Unit
1	Box

	Unit Conversion	Pricing Description
0.2		Price quoted for one box

Price Unit Quantity – Optional

Description: The quantity corresponding to the unit price of the item specified by the supplier. The unit price is based on the price unit quantity of the item. This is a mandatory field if you want to specify the catalog item with advanced pricing details.

Type of data: Decimal

Price Unit - Optional

Description: The unit of measure for the unit price. This is a mandatory field if you want to specify the catalog item with advanced pricing details.

Type of data: String

Unit Conversion – Optional

Description: Ratio used to convert the ordered unit to the price unit. The unit price is based on the price unit quantity and the price unit. Ariba uses the unit conversion to calculate the subtotal of an item using the following formula:

Subtotal = Quantity * (Unit Conversion/Price Unit Quantity) * Unit Price

This is a mandatory field if you want to specify the catalog item with advanced pricing details.

Type of data: Decimal

Pricing Description - Optional

Description: Any information for advanced pricing details. You can use this field to store additional information on the unit conversion calculation.

Type of data: String

PunchOut Enabled	PunchOutLevel
TRUE	Product

PunchOut Enabled - Required

Description: Tells the system that this file is a PunchOut Index file. Must be set to TRUE for the system to

see this as a PunchOut item.

Type of data: Boolean *Input*: TRUE or FALSE

Example: True

PunchOutLevel - Required

Description: Tells the system that this item is a L2 PunchOut item that will take the User to the Supplier's site at the **Store** Level (like a L1), the **Aisle** level (a category, that requires then to further refine the search on the Supplier's site), the Shelf level (a refined category that results in only a few items that will all be displayed in the PunchOut) or the **Product** level (this takes the User to the exact item on the Supplier's site that they searched for in Ariba). Product is the most common level

Type of data: String

Values: Store, Aisle, Shelf, Product

Example: Product

Note: This field is used only by SAP Ariba Buying and Invoicing. L2 PunchOut is not available in Ariba

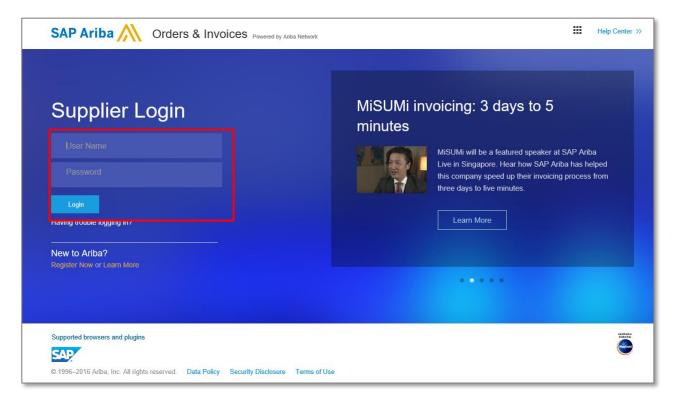
Catalogs or Ariba Procurement Content.

Creating a L2 PunchOut Catalog

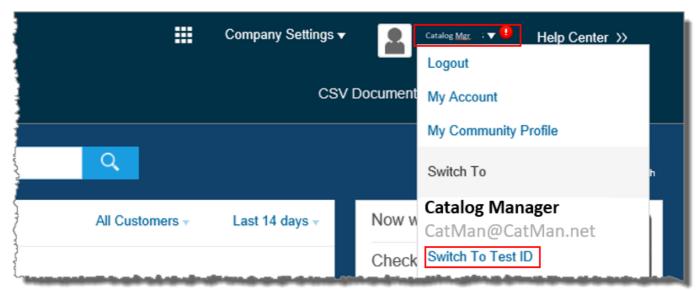
Special Notes for Images

- In the Catalog file, you can refer to a Remote Image—using a URL—or you can refer to a Local Image, and send that image to Ariba to store
- Using Remote Images is preferred
 - Be sure the URL in the Template is complete (including http://) Example: http://server/directory/imagefilename.jpg
 - Point to the image itself—not a program that serves up images
- If you use Local Images
 - Be sure the filename in the Template is *exact*—including upper and lower case *Example:* FileName.jpg -or- lowercasename.jpg
 - Load images in a zip file format with the Customer Name and Supplier Name on the AN

- Login to Ariba Network
 - Go to: http://supplier.ariba.com
 - Log in with your Username and Password



- Switch to your Test Account
 - Your Catalog should be loaded and tested in your Test Account. (Note: If you are instructed to load a Catalog to a Production account, just skip this step)
 - Find your name and click for the pull down menu, then click "Switch To Test ID"
 - If you don't see a "Switch to Test ID" link, your Test account has not yet been set up. Contact your Ariba Network Administrator



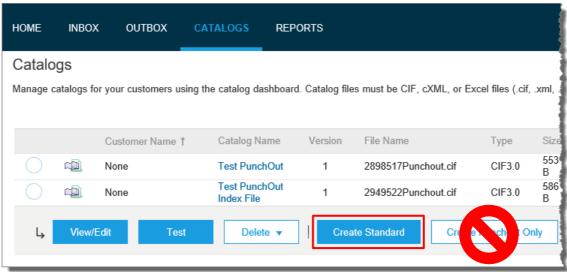
You will get a warning. "You are about to switch to Test Mode." Click "OK"

- When uploading a Catalog on Ariba Network, there are four steps you will follow:
 - 1. Uploading—Transfers the Catalog file from your local drive to Ariba Network. During the upload process, you enter the Catalog name (this becomes the "Subscription Name" in the Buyer's local Catalog) descriptive text, and classify it so that buying organizations that are looking for specific products and services can find your Catalog
 - 2. Setting Visibility—Allows you to specify whether the Catalog version is "Public" or "Private" and determines which of your Customers can access it
 - 3. Validating—The Network checks the Catalog for errors, checks for zero price values and does a highlevel validation of UNSPSC codes and Units of Measure
 - (Note: Customer-specific validation rules for UNSPSC and UOM codes, and zero price values can be more detailed and much more strict than the high-level Network validations, therefore your Catalog may pass the Network validations but fail the Customer-specific validations for these same items)
 - **4. Publishing—**Freezes the current version and notifies your Customer of the Catalog's availability

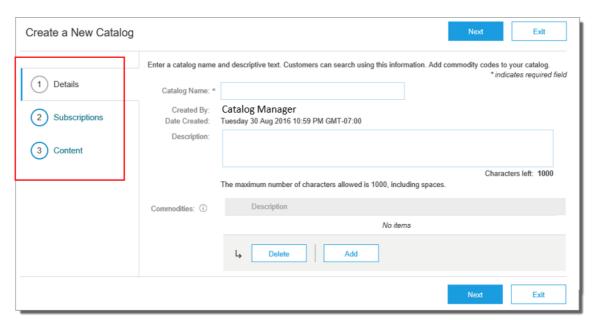
Navigate to the Catalogs Tab



On the Catalogs screen, click the "Create Standard" button. Even though you are loading a PunchOut Catalog, use the "Create Standard" button

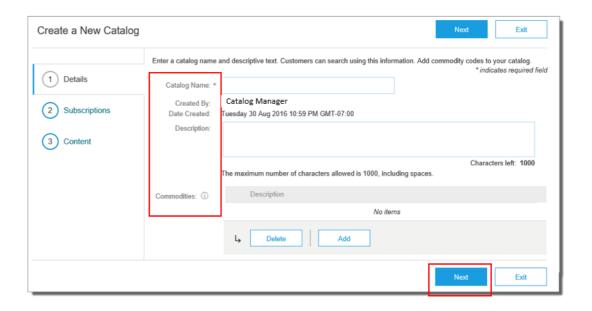


- You are now on the Create a New Catalog Screen
- To create the Catalog, there is a 3-step Wizard:
 - Details—General information about the Catalog
 - ② Subscriptions—Who you are publishing the Catalog to
 - 3 Content—Uploading the actual Catalog file
- Click "Next"



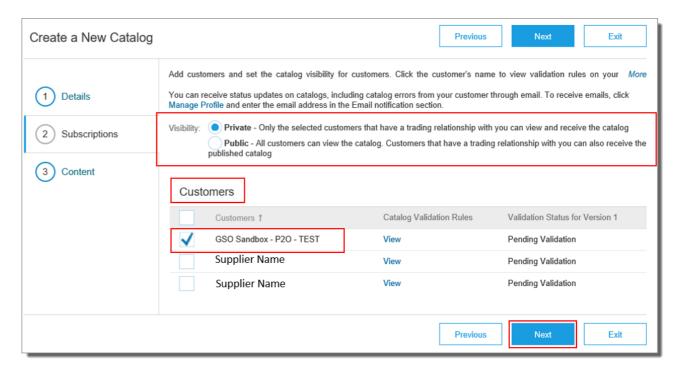
① Details

- Catalog Name: This becomes the "Subscription Name" for this Catalog that will not change. The format for this Name is set by your Customer. RR Donnelley has requested the following naming convention for their CIF catalogs: SupplierName_RRDonnelley_Country_CatalogType (L1/L2)
- Description: (Optional) Brief description of the content of your Catalog
- Commodities: (Optional) The UNSPSC code(s) that corresponds to the items family/ group of your Catalog. Use the "Add" button to find the code
- When you complete this screen, click "Next"



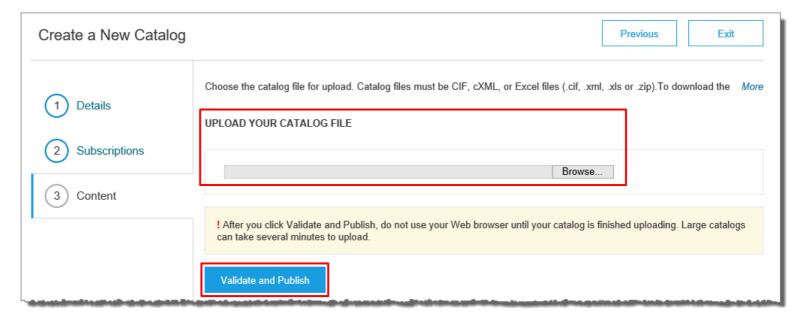
Subscriptions

- You determine which Customers subscribe to your Catalog—specific Customer(s) or to all Customers on the Network
- Set the Visibility to "Private". You can select a single customer.
- To select RR Donnelley check the box next to the "Customers" list.
- If the Supplier does not appear, it means that they have not established a relationship with your company yet. This is required prior to uploading a Catalog to them
- When you complete this screen, click "Next"

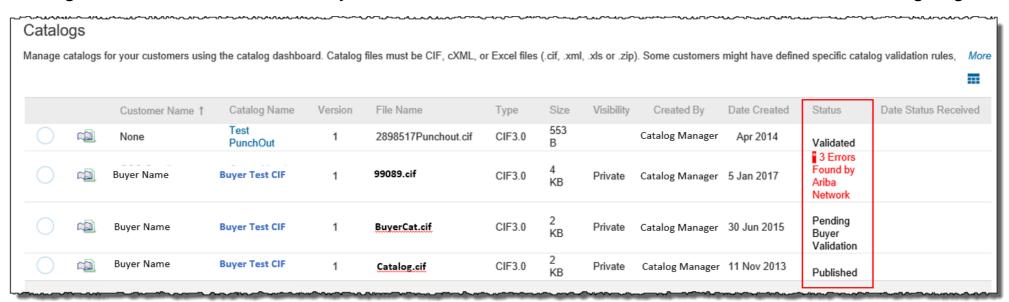


3 Content

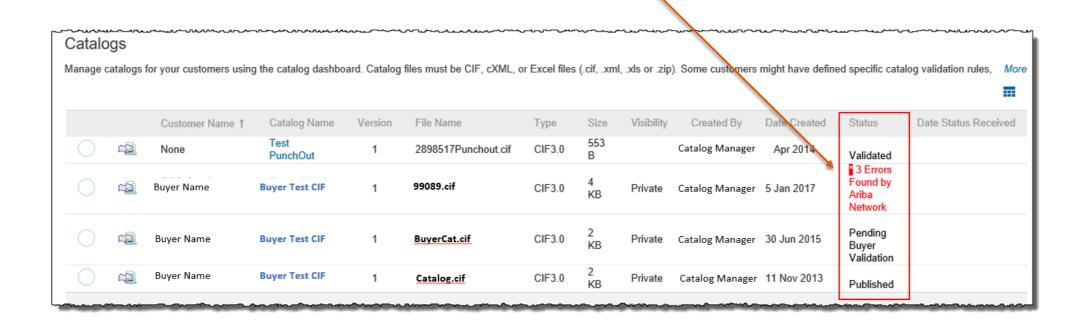
- Select your Catalog File, by clicking "Browse" and pointing to your file
 - Your Excel file must not exceed 1 Mb, however you can use zip compression
 - If your Excel file is too large, you will need to convert it to a CIF. See the Appendix—"How to convert an Excel file to CIF"
- After you have selected your Catalog file, click the "Validate and Publish" button
- As your Catalog loads, the status will read "Validating" Click the "Refresh" button at the bottom of the screen to see the status change



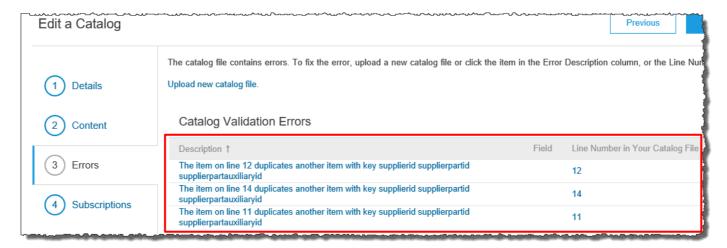
- Network Catalog Validation
 - After the Network completes validation, it changes the Catalog status from "Validating" to one of the following statuses:
 - Validated, Published or Pending Buyer Validation—your Catalog is error-free
 - Errors Found by Ariba Network—the Network detected Catalog content that violates validation rules
 - Bad Format—your Catalog failed the file validation check. Audit the file for problems in format
 - A Catalog with an error status means you need to review the error results and correct them before going on



- Correcting Validation Errors
 - To see the error detail, click on the "Errors Found" hyperlink:



- Viewing Validation Errors
 - The Network displays Description, Field and Line Number for each error

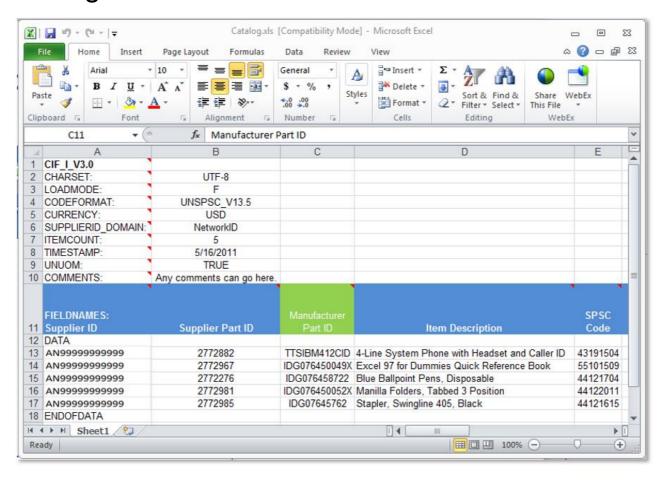


- In this case, the Network is telling us that the **Supplier Part Number** is not unique on lines 11, 12 and 14
- To correct any issues, go back to the original Excel Catalog file, make the corrections, then update the Catalog file, and upload the new version to replace the existing Catalog

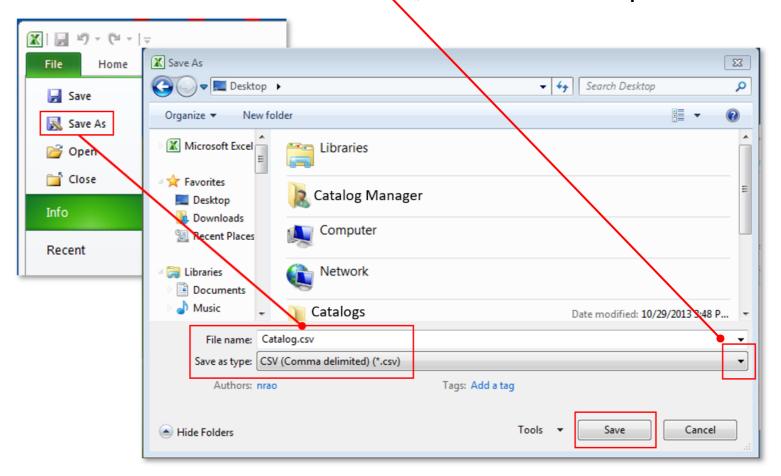
- Customer Approval
 - When your Catalog passes the Network upload validation, your Customer is then notified to audit, validate and approve your Catalog. The Network may show any of these statuses: "Published", "Validated by Customer" or "Pending Buyer Validation"—note that these are all valid statuses
 - Each Customer may have specific validation rules—and these rules may be more strict than the standard Network rules. This means that your Catalog could pass the Network validation, but fail the Customerspecific rules and be returned to you
 - If your Customer finds anything in your Catalog file that requires your attention, you will be notified by e-Mail
 - Corrections should be made to the original Excel file, then the corrected Catalog file needs to be uploaded to the Network
 - Each Catalog must pass both the Network validation, and the Customer audit before it can be loaded into the Customer's buying application and be available for their Users

Appendix

Open your Excel Catalog file



Save it as a ".csv" file. To see the choices, click on the drop down menu



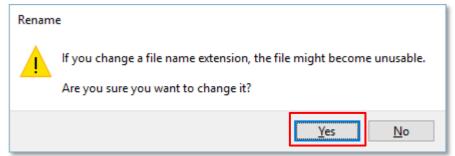
You will get a system warning about saving it as a .csv—click "Yes" to continue



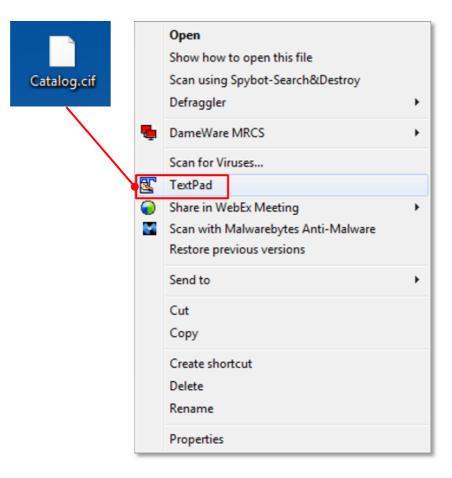
Rename your saved file, by changing the extension to ".cif"



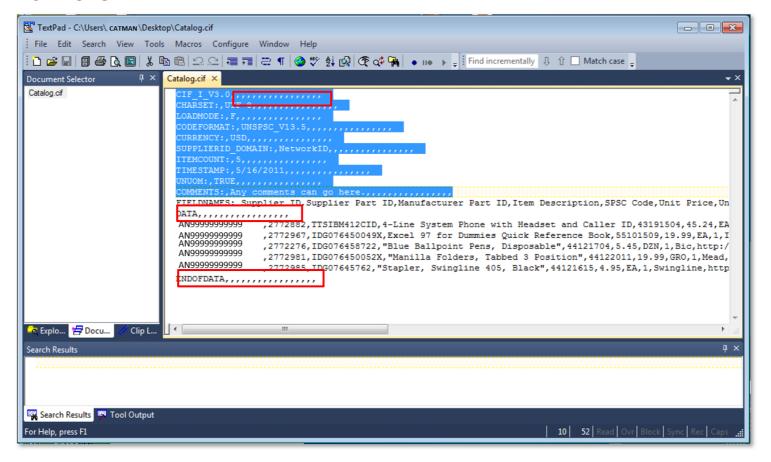
 The system will warn you about changing the extension. Click "Yes" to continue



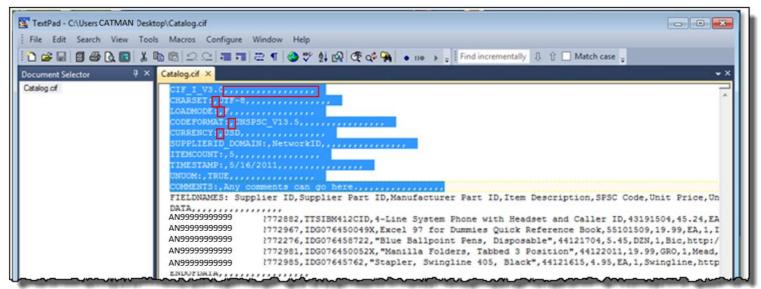
Open your CIF Catalog file with Notepad, or your favorite text editor



 Notice that the file has new, added commas in the Header, and after the DATA and ENDOFDATA markers



 Remove these extra commas after the Header values and the DATA and ENDOFDATA markers. Be sure to remove any commas in *front* of the data in the Header as well



- Be careful if you use the "Replace" function—you don't want to replace any of the commas in the actual Catalog data
- Once the commas are deleted, save the CIF Catalog file. It is now ready to be loaded



Thank you.

Contact information:

AskAribaCatalog@sap.com





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