GS1 US Data Hub | Product

Product Import
User Guide

September 11th, 2025

Table of Contents

How Do I Import Products and Assign GTINs?.....3
How Can I Get a List of ALL Available GTINs?.....6
How Do I Update Existing Products?.....7
Frequently Asked Questions.....10
Appendix A: Product Import Template Column Descriptions.....11
Appendix B: Resolving Import Errors.....12

How Do I Import Products and Assign GTINs?

It's recommended you first import "Each" products that are purchased by consumers. Use the **Assigned GTINs** template. When you import, you can have GS1 US Data Hub assign available GTINs to these products. Follow these steps:

1. **Click Product, then Batch Import Products button below.**

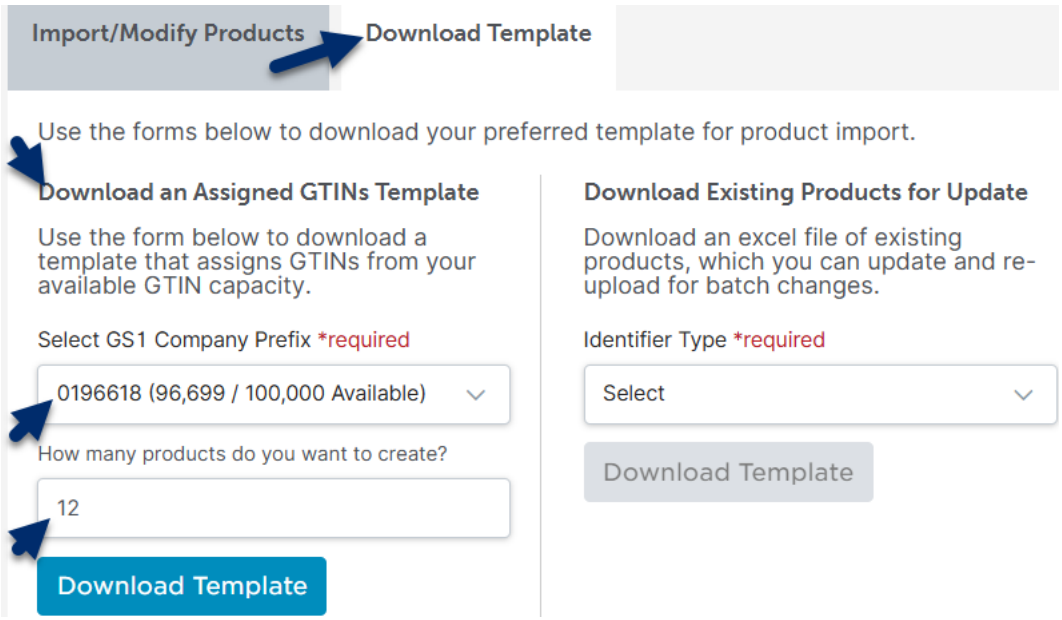
2. **Click the Download Template tab.**
   Three download template options display. You will be using the **Assigned GTINs** template.

3. **Under the Download an Assigned GTINs Template header, select the desired GS1 Company Prefix.**

4. **Enter the number of GTINs you want to create.**
   This number determines how many available GTINs will display in the template. The number of available GTINs are displayed in parenthesis next to the GS1 Company Prefix.

5. **Click the Download Template button,** then click **Save**.

6. **Open the file from your Downloads folder.**
   The spreadsheet opens and contains certain pre-populated attributes, including the number of GTINs you had indicated.



7. **Enter product data in this file.**
The columns with headings in green are required. Several columns contain drop-down values; click the drop-down arrow to select a valid value. See Appendix A of this User Guide for column descriptions.

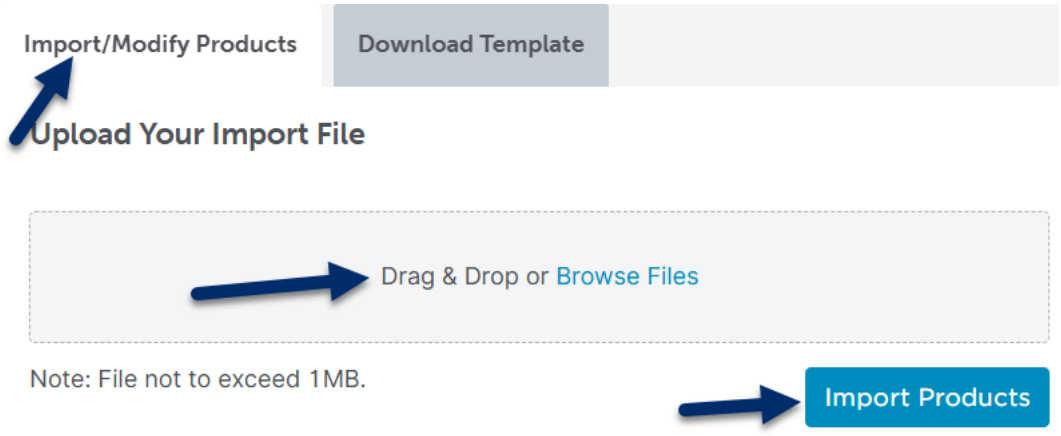
Note: In the **PackagingLevel** column, select "Each" for the first template you use. If you need to import higher level packaging items, such as "Case," consider using a new **Blank** Template. See "How Do I Import Higher Level Packaging?" in this user guide for more details.

8. **Save the file to your computer.**
Make sure you did not change any column headings or rearrange columns in the template. Do not use the following special characters in your file name: ; / ? : @ = & " < > # % { } | \ ^ ~ [ ] ` ( ).

Otherwise, you will receive an error and the file will not process.

9. **Click the Import/Modify Products tab.**
You can drag and drop the file into the gray upload box. Or click **Browse Files.** Locate the updated file on your computer and click "Open." The file name displays in the **File Input** field.

10. **Click Import Products.**
GS1 US Data Hub processes the file. The processing time will vary based on the number of files being imported at this time. Scroll down to view all uploaded files for your company. The file you just uploaded displays at the top of the list.



11. **Check the Status column.**
The Status will move from **File Uploaded** to **Pending** to **Complete.**

Optional: Click **Refresh Table** until the **Complete** status displays. Even if you exit this screen, the file continues to be processed.

12. **Verify that the records processed successfully.**
When the file displays **Complete**, you can take these steps:

Verify that all records processed correctly. If successful, the **# Errors column** will display 0 (zero).

If a number displays in the **# Errors** column, click the **File Name** hyperlink to open the "Results" file to view Column B for the error message. To learn more about an error message and how to resolve the issue, see Appendix B of this user guide.

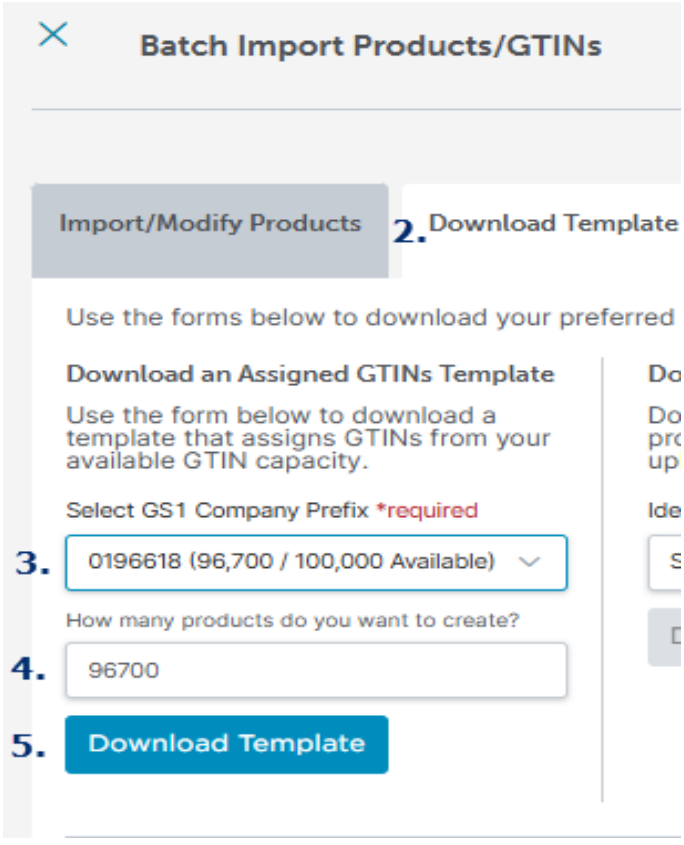
Within the Results file, the **Results** column (Column A) indicates **Success** or **Fail** for each item. The **AdditionalInfo** column (Column C) may contain additional notes about that record. If you did receive an error, delete any rows that were successfully imported in the original spreadsheet before you make the corrections and re-submit the file.

Note: If the message **"File Format error. Please use the current Data Hub Import Template"** displays, make sure you used the most recent template and haven't changed a column name, deleted a column, or added a column.

How Can I Get a List of ALL Available GTINs?

If you need a list of all available GTINs, you can use the **Assigned GTINs** template.

1. **Click Product, then Batch Import Products button below**
2. **Click the Download Template tab**
3. **Under the Download an Assigned GTINs Template, select the GS1 Company Prefix**
   Three download template options display. You will be using the **Assigned GTINs** template. The number of available GTINs is displayed in parentheses for each GS1 Company Prefix.
4. **Enter the Number of GTINs**
   In the **How many GTINs to import?** field, enter the total number of available GTINs for this Company Prefix.
5. **Click** the **Download Template** button then click **Save**
6. **Open the file from your Downloads folder**
   The spreadsheet opens and contains GTINs listed on individual rows. Other pre-populated information displays, but you can disregard the attribute information, if your goal is just to obtain available GTINs.



How Do I Update Existing Products?

To make bulk updates to a group of products, click the **Download Existing Products for Update** template, and select the GS1 Company Prefix, Status and Packaging Level for the products you are updating. When you open the template, make your changes to the products, then save the file to your computer. Upload the file into GS1 US Data Hub. To use this template, follow these steps.

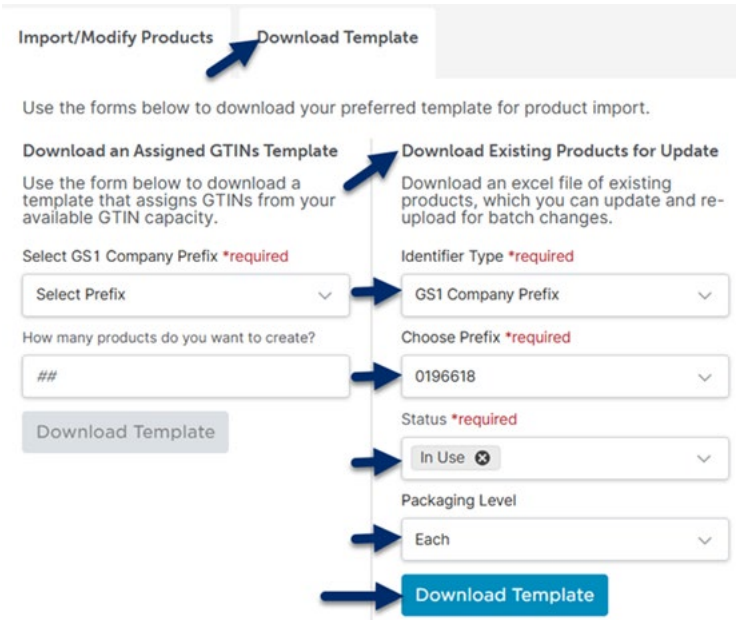
1. **Click Product, then Batch Import Products button below**

2. **Click the Download Template tab**
   Three download template options display

3. **Under the Download Existing Products for Update header, select the following items:**
   - Select **GS1 Company Prefix**(other options, such as Single GTINs, may display, if licensed by your company)
   - Select a specific prefix
   - Select the **Status** of the items
   - Select the **Packaging Level**

4. **Click the Download Template button** then click **Save**

5. **Open the file from your Downloads folder.**
   The spreadsheet contains products that match the criteria you had entered. For each product, GS1 US Data Hub displays all of the attributes. You can delete the rows for any products that you do NOT want to update.



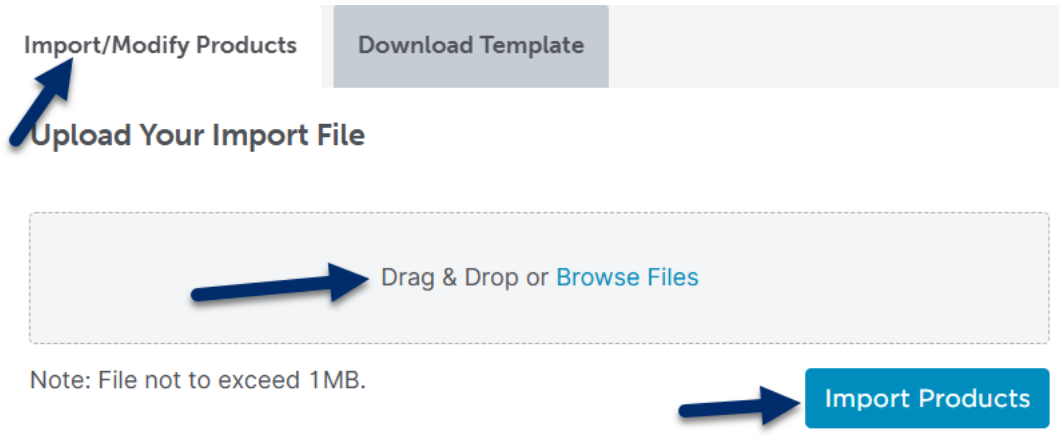
6. **Save the File to Your Local Drive.**
Make sure you did not change any column headings or rearrange columns in the template. Do not use the following special characters in your file name:
: ; / ? : @ = & " < > # % { } | \ ^ ~ [ ] ` ( )

Otherwise, you will receive an error, and the file will not process.

7. **Click the Import/Modify Products Tab.**
You can drag and drop the file into the gray box. Or click **Browse Files.** Locate the updated file on your computer and click "Open." The file name displays in the **File Input** field.

8. **Click Import Products.**
GS1 US Data Hub begins to process the file. The time it takes for the file to process will vary based on the volume of import files being submitted during this time. Scroll down on the screen to view all uploaded files for your company. The file you just uploaded displays at the top of the list.

Note: If the message **"File Format error. Please use the current Data Hub Import Template"** displays, make sure the template is not open on your computer, you used the most recent template, and you haven't changed a column name, deleted a column, or added a column.



9. **Check the Status column.**
The Status will move from **File Uploaded** to **Pending** to **Complete.**

Optional: Click **Refresh Table** until the **Complete** status displays. Even if you exit this screen, the file continues to be processed.

10. **Verify that the Records processed successfully.**
When the file displays **Complete**, you can take these steps:

Verify that all records processed correctly. If successful, the **#Errors** column will display 0 (zero).

If a number displays in the **#Errors** column, click the **File Name** hyperlink to open the "Results" file to view Column B for the error message. To learn more about an error message and how to resolve the issue, see Appendix B of this user guide.

Within the Results file, the **Results** column (Column A) indicates **Success** or **Fail** for each item. The **AdditionalInfo** column (Column C) may contain additional notes about that record. If you did receive an error, delete any rows that were successfully imported in the original spreadsheet before you make the corrections and re-submit the file.

Frequently Asked Questions

GTIN-12 Creation and Assignment

Q **How do I import products that already have GTINs?**
A Visit the Import Products with GTINs Already Assigned article for instructions.

Q **How do I import higher-level packaging?**
A Visit the Import Higher Level Packaging article for instructions.

Q **Can I "Archive" multiple products using the Import Template?**
A Yes, first select "Update" in the **Action** column. Then change the status of the products to **Archived**. For **Archived** products, the only action you can take in GS1 US Data Hub is to return them to the **In Use** status.

Q **If the product never had net contents entered, can I add that data?**
A Yes, if the Net Contents and Net Content Count had not been entered for **In Use** products in GS1 US Data Hub, you can use the template to add this data for the first time. After this information is updated for **In Use** products, you will not be able to change the Net Contents and Net Contents Count.

Q **Can I change attributes of an In Use product?**
A There are certain attributes, such as Packaging Level, that cannot be changed when the product has the **In Use** status. For more information, view the What Fields Can Be Changed article.

Q **Can I import products that are not yet finalized?**
A Yes, when using the Assigned GTIN template, you can select the **PreMarket** status in the template. This enables you to make changes to key attributes. After you finalize the data, you can change the status of these products to **In Use**.

Q **What's the maximum number of products I can upload in one template?**
A GS1 US Data Hub has a 1 MB file size limit for the Assigned GTINs template. Check your file size before you import the template, and make sure it's less than 1 MB.

Q **What if I have a GS1 Company Prefix for GTIN-13s?**
A The import process works the same for GTIN-13s as it does for GTIN-12s. For example, if you want to assign GTIN-13s to products you are importing, you need to select the GS1 Company Prefix for GTIN-13s from the list of available prefixes.

Q **Where can I find the Unit of Measure Codes?**
A Visit the Unit of Measure Codes article.

Q **Where can I find the Language Codes based on ISO 639?**
A Visit the Language Codes article.

Q **Where do I find the Country Codes based on ISO 3166?**
A Visit the Country Codes article.

Appendix A: Product Import Template Column Descriptions *(Continued)*

ATTRIBUTE	DESCRIPTION	NOTES	FIELD REQUIREMENT			TEMPLATE TYPE (R = Required, O = Optional)		
			TYPE	MIN	MAX	Blank Import	Assign GTINs	Update Products
Action	This column directs Data Hub to take one of these actions: **Create** – establish new **PreMarket** or **In Use** products. **Update** – change status to **In Use** or **Archived**; change editable field content on **PreMarket** and **In Use** products.	**Required**.	Assign GTINs	6	8	R	Valid Action: Create	Valid Action: Update
GS1CompanyPrefix	This is the desired GS1 Company Prefix that used to create the Global Trade Item Number (GTIN) of an item.	**Required**. Data Hub prepopulates this field on Available GTIN and Download for Update templates.	Text	7	11	R	Pre-populated	Cannot change
GTIN	This is the 14-digit representation of the Global Trade Item Number as it would be stored in a database. Must correspond to GS1 Company Prefix listed in the GS1 Company Prefix field.	**Required**. Data Hub prepopulates this field on Available GTIN and Download for Update templates. Note: If you are importing GTIN-12s you should enter the GTINs in a 14-digit format, with two leading zero(s) serving as filler digits. For Company Prefix for GTIN-13s, the GTIN-13s must entered as 14 digits, with a leading zero.	Text	14	14	R	Pre-populated	Cannot change
PackagingLevel	This is the packaging configuration assigned to the item. When importing multiple Packaging Levels in a single template, items must be listed from lowest to highest, as listed in the order to the right.	**Required.** Data Hub prepopulates this field on the Download Existing Products for Update template. PackagingLevel must be entered exactly as shown (including spaces between words). • Each • Inner Pack • Case as Each • Display Shipper • Case • Mixed Case • Pallet • Mixed Pallet	Text	4	14	R	R	Cannot change
Description	This is the text that describes your product to a buyer (not a consumer). A best practice is to create a description using the brand name, functional name, a unique attribute and net contents. For example: Edible Harvest Apricot Jam Organic 20 onz.	**Required.** Data Hub prepopulates this field on the Download Existing Products for Update templates.	Text	3	500	R	R	Can edit if Status is PreMarket; Can make typographical changes Only if Status is In Use

Appendix A: Product Import Template Column Descriptions *(Continued)*

ATTRIBUTE	DESCRIPTION	NOTES	FIELD REQUIREMENT			TEMPLATE TYPE (R = Required, O = Optional)		
			TYPE	MIN	MAX	Blank Import	Assign GTINs	Update Products
Desc1Language	This field indicates the language code for the language of the product description. View the Language Codes article for a list of valid codes.	**Required.** "en" is the default when downloading the Assigned GTINs template	Text	2	3	R	O	Can edit if Status is PreMarket or In Use
SKU	This field is provided for the product owner to enter the internal product identifier of your stock keeping unit, if any.	Optional. Data Hub prepopulates this field in the Download for Existing Products for Update template.	Text	3	70	O	O	Can edit if Status is PreMarket or In Use
BrandName	This column indicates the name of the product line communicated to consumers.	**Required.** Data Hub prepopulates this field in the Download for Existing Products for Update template.	Text	3	70	R	R	Can edit if Status is PreMarket or In Use
Brand1Language	This field indicates the language code for the language of BrandName. View the Language Codes article for a list of valid codes.	**Required.** "en" is the default when downloading the Assigned GTINs template	Text	2	3	R	R	Can edit if Status is PreMarket or In Use
Status	This column shows the lifecycle state assigned to the product and correlates to the Action identified in column A of the templates To retract a PreMarket record for reassignment of the GTIN, enter "Retracted" in status column. Data Hub will automatically move the GTIN to available.	**Required**. Valid values (must be entered exactly as shown, including spaces between words): • PreMarket • Retracted • In Use • Archived	Text	5	9	R	R	Can edit if Status is PreMarket or In Use
Industry	This field indicates the "industry" of the product.	**Required.** Valid values: • General = General Merchandise • CPG = Consumer Packaged Goods • Regulated Healthcare • Foodservice • Apparel	Text	3	20	R	Pre-populated	Can edit if Status is PreMarket or In Use

Appendix A: Product Import Template Column Descriptions *(Continued)*

ATTRIBUTE	DESCRIPTION	NOTES	FIELD REQUIREMENT			TEMPLATE TYPE (R = Required, O = Optional)		
			TYPE	MIN	MAX	Blank Import	Assign GTINs	Update Products
IsVariable	This field indicates whether the product record is for a non-consumer trade item that fluctuates by weight, volume or count. Typical examples of variable measure trade items are whole cheeses, meats and fish.	**Required.** Valid values: Y=Yes N=No	Text	1	1	R	Pre-populated	Cannot change on PreMarket or In Use record
IsPurchasable	This field indicates whether the product record is for a consumer trade item that can be bought at a store or on-line. Note: this value cannot be changed from "N" when a GTIN-14 has been assigned.	**Required**. Valid values: Y=Yes N=No	Text	1	1	R	Pre-populated	Can edit - unless GTIN-14 is assigned
Certified	This column indicates if a product record has been enhanced under the certified content provider program	This is a system generated field. Values: Y=Certified N=Was certified but modifications to required fields were not recertified Blank=GTIN record has not been enhanced	SYSTEM GENERATED FROM CCP APPROVALS PROCESS					
Height	This field represents the height of an item. Instructions for measurement can be found in the GS1 Package Measurement Rules. Note: consumer and non-consumer trade items are measured differently.	Optional. Required if one dimension is provided then all three dimensions must be provided (e.g., Height, Width, and Depth).	Numeric	1	8	O	O	Can edit if Status is PreMarket or In Use
Width	This field represents the width of an item. Instructions for measurement can be found in the GS1 Package Measurement Rules. Note: Consumer and non-consumer trade items are measured differently.	Optional. Required if one dimension is provided then all three dimensions must be provided (e.g., Height, Width, and Depth).	Numeric	1	8	O	O	Can edit if Status is PreMarket or In Use
Depth	This field represents the depth of an item. Instructions for measurement can be found in the GS1 Package Measurement Rules. Note: Consumer and non-consumer trade items are measured differently.	Optional. Required if one dimension is provided then all three dimensions must be provided (e.g., Height, Width, and Depth).	Numeric	1	8	O	O	Can edit if Status is PreMarket or In Use
DimensionMeasure	Unit of Dimensional Measurement used	Optional. Required when dimensions are included. Valid values: in, ft, mm, cm, m	Text	1	2	O	O	Can edit if Status is PreMarket or In Use
GrossWeight	The gross weight is the weight of the item plus the weight of its container or packaging.	Optional. Omit commas.	Numeric	1	8	O	O	Can edit if Status is In Use (up to 20% of the original weight)

Appendix A: Product Import Template Column Descriptions *(Continued)*

ATTRIBUTE	DESCRIPTION	NOTES	FIELD REQUIREMENT			TEMPLATE TYPE (R = Required, O = Optional)		
			TYPE	MIN	MAX	Blank Import	Assign GTINs	Update Products
NetWeight	Net weight is the weight of the item itself. This does not include the item's container packaging. Valid values: Can be 8 numbers of which 3 can be decimals.	Optional. Omit commas. Can be entered as NNNNNNNN or NNNNN.NNN	Numeric	1	8	O	O	Cannot change if Status is In Use
WeightMeasure	Unit of Weight Measurement Used	Optional. Required when weights are included. Valid values: oz, lb, ton g, kg, mg	Text	2	3	O	O	Cannot change if Status is In Use
ChildGTINs (Container Items)	The GTIN(s) contained within a higher level of packaging item other than Each or Case as Each. Leave field blank if packaging level is Each or Case as Each. Example: 00814141009446~00814141009453~00814141009514	**Required for higher level packaging.** Cannot be modified on a **PreMarket** (unless you are adding or removing items for a mixed case, mixed pallet, or display shipper). Cannot be modified on an **In Use** record. Separate multiple GTINs with the tilde (~)	Text	14	NA	O	O	Cannot change if Status is In Use
Quantity (Container Items)	Number of items per child GTIN in a higher level of packaging item. Leave field blank if packaging level is Each or Case as Each. Example: 8~8~8	**Required when ChildGTINs field is populated.** Can be modified on an **In Use** record ONLY when value is "1" Separate multiple quantities with the tilde (~). List in the same order as their corresponding child GTIN	Numeric	1	NA	O	O	Can edit In Use record if value is 1; cannot be changed if Quantity has already been specified
SubBrand Name	This field provides for a second level of brand. The Sub-brand communicated matches what is physically on the product. The primary differentiating factor that a brand owner wants to communicate to the consumer or buyer	Optional. Can be a trademark; Cannot be modified on an **In Use** record	Text	3	70	O	O	Can edit if Status is PreMarket or In Use
ProductDescriptionShort	This field contains a free form short length description of the trade item that can be used to identify the trade item at point of sale	Optional.	Text	3	35	O	O	Can edit if Status is PreMarket or In Use

Appendix A: Product Import Template Column Descriptions *(Continued)*

ATTRIBUTE	DESCRIPTION	NOTES	FIELD REQUIREMENT			TEMPLATE TYPE (R = Required, O = Optional)		
			TYPE	MIN	MAX	Blank Import	Assign GTINs	Update Products
LabelDescription	This field contains a literal reproduction of the text featured on a product's label in the same word-by-word order in which it appears on the front of the product's packaging. Allows for the representation of the same value in different languages but not for multiple values.	Optional. May not necessarily match the GTIN description as loaded by the supplier into the GTIN description field in GDSN.	Char	3	500	O	O	Can edit if Status is PreMarket or In Use
NetContent1Count	The number of trade items contained in a package, as claimed on the label. Example: 20 count pack of diapers, net content = "20 each" where "20" is the count In case of multi-pack, indicate the net content of the total trade item Allows for the representation of the same value in different units of measure but not multiple values	Optional. Can be an integer or up to 4 decimal places. Must be populated first, before populating Net Content 2 Count, or Net Content 3 Count. For fixed value trade items use the value claimed on the package, to avoid variable fill rate issue that arises with some trade items which are sold by volume or weight, and whose actual content may vary slightly from batch to batch. In case of variable quantity trade items, indicate the average quantity.	Numeric	3	80	O	O	Cannot change if Status is In Use
NetContent1UnitOfMeasure	Code representing the associated unit of measure (UOM) that matches what is physically on the product label. For example, you would enter ONZ if the packaging states "20 ounces". Common codes: 50 Pound Bag – 47 Cubic Foot – 51 Cubic Meter – MTQ Cup – CU Each - EA Gallon - A76 Gram – GRM Litre – LTR Ounce – ONZ Pint – PT Pound – LP Quart – QT Ton - STN View the Unit of Measure Code article for a list of all codes.	Must enter a valid UOM Code as listed in the Unit of Measure Codes article in the Help Center. Required if you populate data in the Net Content 1 Count field.	Char	2	5	O	O	Cannot change if Status is In Use

Appendix A: Product Import Template Column Descriptions *(Continued)*

ATTRIBUTE	DESCRIPTION	NOTES	FIELD REQUIREMENT			TEMPLATE TYPE (R = Required, O = Optional)		
			TYPE	MIN	MAX	Blank Import	Assign GTINs	Update Products
NetContent2Count	The number of trade items contained in a package, as claimed on the label. In case of multi-pack, indicates the net content of the total trade item. Allows for the representation of the same value in different units of measure but not multiple values. The published net content/UOM communicated matches what is physically on the product label.	Optional. Value can be an integer or up to 4 decimal places You need to populate Net Content 1 Unit of Measure and Count to populate this field.	Numeric	3	80	O	O	Can edit this field on PreMarket record only
NetContent2UnitOfMeasure	Code representing the associated unit of measure (UOM) that matches what is physically on the product label. For example, you would enter ONZ if the packaging states "20 ounces". View the Unit of Measure Code article for a list of all codes.	Optional. If you populate the Net Content 2 Count, this is required.	Char	3	5	O	O	Cannot change if Status is In Use
NetContent3Count	The number of trade items contained in a package, as claimed on the label. In case of multi-pack, indicates the net content of the total trade item. Allows for the representation of the same value in different units of measure but not multiple values. The published net content/UOM communicated matches what is physically on the product label.	Optional. Value can be an integer or up to 4 decimal places You need to populate Net Content 2 Unit of Measure and Count to populate this field.	Numeric	3	80	O	O	Cannot change if Status is In Use
NetContent3UnitofMeasure	Code representing the associated unit of measure (UOM) that matches what is physically on the product label. For example, you would enter ONZ if the packaging states "20 ounces". View the Unit of Measure Code article for a list of all codes.	Optional. If you populate the Net Content 3 Count, this is required	Char	3	5	O	O	Cannot change if Status is In Use

Appendix A: Product Import Template Column Descriptions *(Continued)*

ATTRIBUTE	DESCRIPTION	NOTES	FIELD REQUIREMENT			TEMPLATE TYPE (R = Required, O = Optional)		
			TYPE	MIN	MAX	Blank Import	Assign GTINs	Update Products
Insert Infor for Cell AM								
BrandName2	This column indicates the secondary name of the product line communicated to consumers, if packaging includes a second language.	Optional	Text	3	70	O	O	Can edit if Status is PreMarket or In Use
Brand2Language	This field indicates the language code for the language of BrandName2. View the Language Codes article for a list of all codes.	Optional.	Text	2	3	O	O	Can edit if Status is PreMarket or In Use
Description2	This is the text that describes your product to a buyer, if a second language is used on packaging.	Optional.	Text	3	500	O	O	Can edit if Status is PreMarket or In Use
Desc2Language	This field indicates the language code for the language of the product description, if a secondary language is used on product packaging. View the Language Codes article for a list of all codes.	Optional.	Text	2	3	O	O	Can edit if Status is PreMarket or In Use
GPC Brick	This GS1 Global Product Classification (GPC) standard helps global trading partners to group products in the same way. The GPC schema is made up of numerous components: Segment, Family, Brick and Attribute. Enter the 8-digit "Brick" code associated with your product category.	Optional. For more information, view the How to Identify the GPC Code article. Use the GS1 GPC-Browser to find your Global Product Classification Code Select the language: English Select the publication: Current GDSN Production Version Identify the segment/family/class Search for Brick Enter the Brick ID in this column in the template. Value cannot contain all zeros.	Numeric	8	8	O	Pre-populated with 99999999	Can edit if Status is PreMarket or In Use

Appendix A: Product Import Template Column Descriptions *(Continued)*

ATTRIBUTE	DESCRIPTION	NOTES	FIELD REQUIREMENT			TEMPLATE TYPE (R = Required, O = Optional)		
			TYPE	MIN	MAX	Blank Import	Assign GTINs	Update Products
GPC Attribute:GPC Attribute Value	When entering the 8-digit GPC Attribute and GPC Attribute Value, you must enter them with the colon in between them. For example: 20000003:30001742 To enter multiple GPC Attribute:GPC Attribute Values press Alt+Enter to add each value on a new line within the same cell.	For more information, view the How to Identify the GPC Code article. Use the GS1 GPC-Browser to find your Global Product Classification Code						
ImageURL	A non-GS1 US location where the image(s) for the product are managed and archived. If the web address is valid, and it contains a PNG, JPG, GIF or BMP file, "Validated" will display next to the ImageURL in GS1 US Data Hub. If the image is not validated, the web address will still be saved in GS1 US Data Hub, but "Validation Failed" will display above the URL.	Optional. Enter the location where the image for this GTIN is located. The address must start with http:// or https://.	Char	7	2083	O	O	Can edit if Status is PreMarket or In Use
TargetMarket	Target market(s) for this product, as indicated by country or region. This can include any ISO-3166 two-digit country or region code. Separate multiple codes with the tilde (~). View the Country Codes article for a list of valid country names and codes.	Optional. Enter the ISO-3166 two-digit code	Text	2	2	O	O	Can edit if Status is PreMarket or In Use

Appendix B: Resolving Import Errors

This appendix provides an alphabetical listing of error messages along with suggested corrective actions. Follow the corrective actions and resubmit only "failed" records in the template for processing.

How Error Messages Are Listed in This User Guide:
Messages below are listed in alphabetical order. Some messages begin with an error type (e.g., Allocation Error, Construction Error, Container Error, Required Error, Validation Error). To locate a specific message in the below table, exclude the error type.

For example, consider the message *Allocation Error: Product description of an In Use product should not change*. To find this message, search under P for Product.

Error Message	Take these Steps to Correct the Error
A GTIN is required for all rows in the file	Enter a valid 14-digit numeric value in the GTIN column. For GTIN-12s, make sure you enter two leading zeroes.
A GTIN starting with 1-8 must contain the same item reference number and prefix as the GTIN of its contents	Verify the prefix and item reference number of both the GTIN and ChildGTINs are the same. Only the first and last digits should be different.
A homogeneous container can contain only one GTIN	The packaging level identified requires a ChildGTIN and quantity in the ChildGTINs and Quantity columns, respectively.
A IsVariable is required for all rows in the file	Enter a Y in the IsVariable column if this is a non-consumer trade item that fluctuates by weight, volume or count. Otherwise, enter N.
A PackagingLevel is required for all rows in the file	Enter the packaging type for this product in the PackagingLevel column.
A product cannot have itself as a child	The ChildGTIN listed in the ChildGTIN column is the same as the GTIN listed in the GTIN column. Verify the ChildGTIN and resubmit.
A Status is required for all rows in the file	Enter one of these values in the Status column: • PreMarket • Retracted • In Use • Archived
An active GS1CompanyPrefix licensed by your company is required	In the GS1CompanyPrefix column, confirm that the GS1 Company Prefix is correct and active, formatted as text, and contains leading zero(s). Correct as needed, then resubmit.
Base items must have a blank ChildGTINs and Quantity	Verify the packaging level in the PackagingLevel column. If "Each" is correct, remove the Child GTIN in the ChildGTINs column and /or the quantity in the Quantity column. An "Each" and "Case as Each" are base items.
Brand name is required	Enter the brand name of the product line communicated to the consumer in the BrandName column.
Brand1Language Language Code not recognized	Brand1Language requires a valid language code. View the Language Codes article for a list of all valid codes.

Appendix B: Resolving Import Errors

Error Message	Take these Steps to Correct the Error
Conversion failed when converting the nvarchar value 'A' to data type int.	A non-numeric value in a field could not be converted. Verify all values are entered as numbers.
Desc1Language Language Code not recognized. View the Language Codes article for a list of all valid codes.	Desc1Language requires a valid language code. View the Language Codes article for a list of all valid codes.
Depth is invalid	Verify 1-8 numeric digits appear in the Depth column.
Depth of an In Use product should not change	If you have to make a change of over 20% to the depth of the product with the **In Use** status in GS1 US Data Hub, you will need to archive the product, then clone it in Data Hub, make the changes, and assign a new GTIN.
Dimension fields are all required if one is entered	If one dimension is provided, then all dimensions must be entered. Confirm entries in the Height, Width and Depth columns.
DimensionMeasure is invalid	Verify 1-2 digit abbreviations appear in the DimensionMeasure column.
DimensionMeasure of an In Use product should not change	You cannot change the Dimension of a product with an **In Use** status. If DimensionMeasure in the template was left blank, and you received this error, then view the product detail record and check the Dimensions in the Additional Information tab, as these fields have been populated.
Failed: Error converting data type nvarchar to numeric	You've entered an alpha character in a field that can only accept numbers. The fields are GS1CompanyPrefix, GTIN, or Quantity. Check these fields for an alphabetic character and replace with the proper numeric value.
Gross weight and weight measure fields for a container are all required if one is entered	Enter the gross weight of the case in the GrossWeight column.
GrossWeight is invalid (or GrossWeight is limited to 28 characters, 3 on the right side of the decimal)	Verify 1-8 numeric digits appear in the GrossWeight column.
Gross Weight of an In Use product should not change	If you have to make a change of over 20% to the gross weight of the product with the **In Use** status in GS1 US Data Hub, you will need to archive the product, then clone it in Data Hub, make the changes, and assign a new GTIN.
GS1CompanyPrefix is invalid	Enter a valid GS1 Company Prefix in the GS1CompanyPrefix column.
GTIN Error: The GTIN specified is already in use	This GTIN already exists in GS1 US Data Hub. Check the GTIN to make sure it is unique.
GTIN Error: The prefix specified is out of capacity	This GS1 Company Prefix has reached the limit of GTINs that can be generated. It may be that your organization needs to add a new prefix. Contact GS1 US Member Support at datahub@gs1us.org.

Appendix B: Resolving Import Errors

Error Message	Take these Steps to Correct the Error
GTINs may only be listed once in the file	The GTIN is listed twice in the file. The same GTIN cannot be entered in two separate rows.
GTINs must be 14 digits and numeric	Enter a valid 14 digit numeric value in the GTIN column, with leading zeros serving as filler digits.
Height is invalid (or Height is limited to 28 characters, 3 on the right side of the decimal)	Verify 1-8 numeric digits appear in the Height column.
Height of an In Use product should not change	Height of an In Use product should not change
Image URL is invalid	Verify the image and web location entered in the ImageURL column is valid. Please note that this web location is maintained outside of GS1 US Data Hub.
IsVariable must be Y/N	Enter a Y in the IsVariable column if this is a non-consumer trade item that fluctuates by weight, volume or count (meat, cheeses, etc.). Otherwise, enter N.
Net Content (1,2,3) Count of an In Use product should not change	For a product with an In Use status, the data in the NetContent1, NetContent2, or NetContent3 columns should not change.
Net Content (1,2,3) Unit of Measure of an In Use product should not change	For a product with an In Use status, the data in the NetContent1UnitOfMeasure, NetContent2UnitOfMeasure, or NetContent3UnitOfMeasure columns should not change.
Net weight can only be entered for a base	Verify the packaging level in PackagingLevel column is a higher level packaging (inner pack, case, pallet, etc). Remove the value in the NetWeight column.
NetWeight is invalid (or NetWeight is limited to 28 characters, 3 on the right of the decimal)	Verify 1-8 numeric digits appear in NetWeight column.
One of the child GTINs does not exist	In the ChildGTINs column, validate the GTIN of the child record(s), modify as needed and resubmit.
One of the child GTINs is from a GS1 Company Prefix that is not licensed by your company	In the ChildGTINs column, validate the GTIN of the child record(s), modify as needed and resubmit.
One or more of the ChildGTINs is non-numeric	Confirm that the ChildGTIN(s) are entered correctly in the ChildGTINs column, and are separated by a tilde (~).
PackagingLevel is invalid	Confirm the correct value for the packaging configuration of this product in the PackagingLevel column. Enter one of these valid packaging types for this product in the PackagingLevel column: each, inner pack, case, display shipper, mixed case, case as each, pallet, and mixed pallet.
Please make sure the file is valid and contains no unexpected columns or whitespace. [Indicates that the system could not begin to process the file.]	Take one or more of these steps: • Scan the file to remove hidden line breaks or line feeds. • Scan each record to ensure no pipe | characters are present within a cell. • Ensure columns and field headings are identical and in the same order as displayed in the import template. • Save all data as text. • Save and submit the file in "xlsx" format (not "CSV") • Copy current data set into a new template, the current file may be corrupted.

Appendix B: Resolving Import Errors

Error Message	Take these Steps to Correct the Error
Product description is required	Enter a product description in the Description column.
Product Description (or Product Description Short) of an In Use product should not change	When a product has an **In Use** status, you should not change the description in either the Description or the ProductDescriptionShort column.
Status is invalid or Status is invalid for Create	Validate the value in the Status column: • PreMarket • Retracted • In Use • Archived Note: If "Create" is displayed in the Action column, the status must be either **PreMarket** or **In Use**.
String or binary data would be truncate	Where there is more than one item in a higher level packaging item, a separator other than a tilde (~) may have been entered. Verify the accuracy of the GTIN or ChildGTIN data, and use a tilde (~) to separate each child GTIN and/or QTY.
Target Market Is Invalid	Target Market must be represented by a country name, or country code, based on ISO 3166. View the Country Codes article for a list of valid country codes.
Select either Create or Update	In the Action column, enter one of these values: **Create:** Set up a new **PreMarket** or **In Use** record. **Update:** Make changes to editable fields or change the status of a record from: • **PreMarket** to **In Use** • **In Use** to **Archived** • **PreMarket** to **Retracted** • **Archived** to **In Use** **Note:** the following attributes cannot be updated for **In Use** products: • GS1CompanyPrefix • GTIN • Packaging Level • IsVariable • IsPurchasable • NetWeight or GrossWeight (if changes are greater than 20%) • WeightMeasure • ChildGTINs (for higher level packaging) • Quantity (for higher level packaging)
The assignment of a GTIN to a container without children is not possible, This product must contain at least one child item	This message displays if your file contains the inner pack or case, mixed case, etc., in the PackagingLevel column. Higher level packaging types must contain at least one GTIN in the ChildGTINs column and the quantity in the Quantity column.
The check digit of the GTIN specified (#) is incorrect and should be (#)	This message displays the incorrect "check digit" of the GTIN and also displays the correct check digit. When you receive this message, correct the check digit for that GTIN, then import the product again.
The child products of a container cannot change for an 'In Use' product	When an inner pack, case or pallet receives an **In Use** status, you cannot change the Child contents of this product. You will have to enter a new product with a new GTIN.

Appendix B: Resolving Import Errors

Error Message	Take these Steps to Correct the Error
The GTIN for a variable measure product must start with a 9	You selected Y in the IsVariable column. Validate the GTIN is constructed correctly, modify as needed and resubmit. Otherwise, select N in IsVariable column.
The GTIN of a purchasable product must start with 0	A GTIN-14 was assigned to an inner pack, case or pallet, and starts with 1 through 8 (unless it's a variable measure product, which starts with a 9). A "Y" was entered in the IsPurchasable column for this product, but it must be changed to a "N" to indicate it is NOT purchasable by the consumer.
The maximum length of BrandName is 75 characters	Information provided in the BrandName column exceeds the limit of 75 characters (including spaces). Revise to shorten the length.
The maximum length of Comments is 2000 characters	Information provided in the Comments column exceeds the limit of 2000 characters (including spaces). Revise to shorten the length.
The maximum length of SKU is 70 characters	Information provided in the SKU column exceeds the limit of 70 characters (including spaces). Revise to shorten the length.
The net weight of a base cannot exceed the gross weight	The net weight in NetWeight column must be less than the gross weight in the GrossWeight column.
The number of child GTINs and valid quantities is a mismatch and quantities must be greater than 0	Check the child GTINs listed in the ChildGTINs column and check the quantities entered in the Quantity column.
The GS1 Company Prefix of the GTIN specified does not match the selected Prefix ()	In the GS1CompanyPrefix column, validate that this is the GS1 Company Prefix used in the GTIN displayed in the GTIN column. Correct as needed, then resubmit.
The product cannot be both variable measure and consumer purchasable	Assess the IsVariable and IsPurchasable columns to determine which column should contain an N.
The quantity of children of an In Use product should not change	You cannot change the quantity of a higher level packaging item that is in the **In Use** status.
The row is flagged as (Create or Update) and the GTIN (already exists or does not exist)	Confirm the action in the Action column. If this is a new record, enter "Create" in the Action column and a new GTIN in the GTIN column. If the record exists, enter "Update" in the Action column and change the contents.
The UoM 1 code is not found in the GDD Code List 6411	The Unit of Measure code must be a valid code. View the Unit of Measure Code article for a list of all codes.
This container is variable measure and it must contain at least one variable measure product within it	The packaging level identified in the PackagingLevel column requires a child GTIN in the ChildGTINs column. "Y" was selected in the IsVariable column, so the childGTIN must also be a variable measure trade item.
This product contains items that are not In Use. View the hierarchy tab to view all children and descendants that must be updated to In Use	Verify the child GTINs listed in the ChildGTINs column are updated to **In Use**. Otherwise, retain the status in the Status column as **PreMarket** until the ChildGTINs have been updated to **In Use**.
This product has a parent with a GTIN assigned so the GTIN cannot be retracted	You are attempting to retract a GTIN with the **PreMarket** status, but this item was added to a higher level packaging item that has a GTIN assigned. If this "parent" item is in the **PreMarket** status, you can retract this parent GTIN first, and then retract the child GTIN.

Appendix B: Resolving Import Errors

Error Message	Take these Steps to Correct the Error
This product has invalid packaging levels assigned to it	The child GTIN listed in the ChildGTINs column must be a lower level packaging level than indicated in the PackagingLevel column.
This product is a heterogeneous container and must contain more than one GTIN	You have entered mixed case or mixed pallet in the PackagingLevel column, and you need to specify two or more ChildGTINs in the ChildGTINs column. Also you need to specify the quantity of each of these GTINs items in the Quantity column, separated by a tilde ~. The sequence of quantities should match the sequence of the ChildGTINs. If only a single GTIN is contained in this packaging, you must change the PackagingLevel to "case" or "pallet".
This product is a homogeneous container and must contain only one GTIN	The packaging level identified in the PackagingLevel column requires a child GTIN and quantity in the ChildGTIN and Quantity columns, respectively. This message will also display if you are attempting to "update" an existing product that is in the **PreMarket** or **In Use** status, and have added one or more GTINs in the ChildGTIN column. This message also displays if you are attempting to change the existing ChildGTIN of an item with the **PreMarket** or **In Use** status, and the Inner Pack or Case packaging level. In these situations, if the item is in the **PreMarket** status, and you need to change the ChildGTINs, you need to retract this GTIN. If the product's status is **In Use,** you will need to archive the product, then clone it in GS1 US Data Hub, and while in the **Draft** state, change the ChildGTIN, and then assign a new GTIN.
Transitioning this item from the existing status to the new one is not possible	You can only transition a product from this status to the next: • **PreMarket** to **In Use** • **In Use** to **Archived** • **PreMarket** to **Retracted**
Weight fields for a base are all required if one is entered	If one weight is provided, then you must enter all weights in the GrossWeight, NetWeight and WeightMeasure columns.
WeightMeasure is invalid	Valid units of measure in the WeightMeasure column are: • Oz • Lb • ton • G • Kg • mg
Width is invalid (or Width is limited to 28 characters, 3 on the right side of the decimal)	Verify 1-8 numeric digits appear in the Width column.
Width of an In Use product should not change	If you have to make a change of over 20% to the width of the product with the **In Use** status in GS1 US Data Hub, you will need to archive the product, then clone it in Data Hub, make the changes, and assign a new GTIN.

Appendix B: Resolving Import Errors

Error Message	Take these Steps to Correct the Error
Invalid GPC Attribute:Attribute Value entry	Verify the error message when user creates new product **with valid GPC Brick value and with less than 8 digits GPC attributes & GPC attributes Value**
Invalid GPC Attribute:Attribute Value entry	Verify the error message when user creates new product **with valid GPC Brick value and valid 8 digits GPC attributes with invalid GPC attributes Value (Less than 8 digits or Alphanumeric value)** Exp:- 10001234 20001234:100012CD
Invalid GPC Attribute:Attribute Value entry	Verify the error message when user creates new product **with GPC Brick value and with GPC attributes & GPC attributes Value putting Alphanumeric value Exp:- 10001234 200012AB:100012CD**
Invalid GPC Attribute:Attribute Value entry	Verify the error message when user creates new product **with valid GPC Brick value and with GPC attributes & GPC attributes Value without putting colons {:} Exp:- 2000123430001234**
Invalid GPC Attribute:Attribute Value entry	Verify the error message when user creates new product **with valid GPC Brick value and with GPC attributes & GPC attributes Value with putting special char {:} Exp:- 20001234&30001234**
Not an error, this is ok.	Verify the error message when user creates new product **with GPC Brick value and blank GPC attributes & GPC attributes Value**
Invalid GPC Attribute:Attribute Value entry	Verify the error message when user creates new product **with GPC Brick value and with GPC attributes & without GPC attributes Value** Exp:- 10001234 20001234:BLANK
Invalid GPC Attribute:Attribute Value entry	Verify the error message when user creates new product **with GPC Brick value and without GPC attributes & with GPC attributes Value** Exp:- 10001234 BLANK:30001234
Invalid GPC Attribute:Attribute Value entry	Verify the error message when user enter multiple GPC attributes+value and on of the attribute+value are incorrect against the GPC brick
Invalid GPC Attribute:Attribute Value entry	GPC Attribute + GPC Attribute Value pair is not related to GPC Brick.
Invalid GPC Attribute:Attribute Value entry	GPC Attribute + GPC Attribute Value is invalid
Invalid GPC Attribute:Attribute Value entry	Only one GPC Attribute Value is allowed per GPC Attribute
GPC Brick is required when entering a GPC Attribute:Atrribute Value"	Users enters a GPC Attribute: AttributeValue with no GPC Brick code
Maximum of 25 GPC Attribute:Attribute Value pairs allowed	Maximum of 25 GPC Attribute: Attribute Value Pairs are allowed