

## Total Visibility Project: Minimum Product Attributes for Data Synchronization

To meet the requirements of the Global Data Synchronization Network (GDSN) for each trade item, specific product attributes must be published. Without these, information from the GDSN cannot be shared among subscribing supply chain participants.

A common set of attributes, agreed upon by supply chain partners, ensures that all attribute requirements can be fulfilled with a single initial publication to the GDSN, regardless of supply chain relationships. Of the Minimum Product Attributes below: nine (9) may be assigned default or designated values if actual values are not known; and six (6) are dependent on the values of other attributes. Two (2) additional attributes to capture UNSPSC code values are highly desirable. These attributes can be shared via GDSN, EDI or other methodologies.

Additionally, GS1 Healthcare US has identified a number of attributes recommended for the US Healthcare Industries supply chain. Furthermore, new attribute fields are being added to the GDSN to allow publication of data through the GDSN to the Global Unique Device Identification Database (GUDID). These attributes may also be populated in the GDSN and will be accepted by all subscribing supply chain participants.

### Minimum Product Attributes

	ATTRIBUTE NAME	DATA DICTIONARY TAG	DATA TYPE & ATTRIBUTE DESCRIPTION
1	<b>Unit GTIN</b>	globalTradeItemNumber	GTIN (Numeric 14 characters).
2	<b>Unit Descriptor</b>	tradeItemUnitDescriptor	GS1 Code List. Choose: Base Unit or Each; Case; Pack or Inner Pack; Pallet; or Transport Load).
3	<b>Name of Information Provider (Part 1)</b>	nameOfInformationProvider	Text (1 to 35 characters).
4	<b>GLN of Information Provider (Part 2)</b>	informationProvider	GLN (Numeric 13 characters).
5	<b>Target Market Code</b>	targetMarketCountryCode	ISO Code List. (ISO 3166-1 format: 3-digit numeric).
6	<b>Brand Name</b>	brandName	Text (1 to 35 characters).
7	<b>Global Product Classification Code</b>	classificationCategoryCode	GPC: Unique permanent 10-digit key ("GPC Brick"). Healthcare manufacturers should, at a minimum, utilize either 10005844 (medical devices) or 10005845 (drugs)
8	<b>Is Trade Item an Orderable Unit?</b>	isTradeItemAnOrderableUnit	Boolean: TRUE or FALSE. Note: If TRUE, a value for an additional attribute, Gross Weight, is required.
9	<b>Is Trade Item a Base Unit?</b>	isTradeItemABaseUnit	Boolean: TRUE or FALSE. If false population of #24 (quantityOfChildren), #25 (totalQuantityOfNextLowerLevelTradeItem), #26 (childGTIN) and #27 (quantityOfNextLowerLevelTradeItem) is required
10	<b>Catalogue or Model Number Code (Part 1)</b>	additionalTradeItemIdentificationType	GS1 Code List: Use "SUPPLIER_ASSIGNED" when publishing Catalogue Number. Catalogue Number is preferred; however, if not available, use MODEL_NUMBER and publish Model Number for Attribute #11.
11	<b>Catalogue or Model Number (Part 2)</b>	additionalTradeItemIdentificationValue	Text (1 to 80 characters).
12	<b>Manufacturer Name (Part 1)</b>	nameOfManufacturer	Text (1 to 35 characters). Manufacturer Name may or may not be the same as the Name of Information Provider. In instances where the Brand Owner controls a third party manufacturer relationship, the Manufacturer Name may be the same as Brand Owner.

## Total Visibility Project

Page 2 of 4

13	<b>Manufacturer GLN (Part 2)</b>	manufacturerGLN	GLN (Numeric 13 characters). This GLN should correspond to the entity in Attribute #12.
14	<b>Product Description</b>	additionalTradeltemDescription or tradeltemDescription	Text. Note: The data dictionary tag “tradeltemDescription” which allows up to 178 characters may be used; however, GS1 Healthcare US recommends “additionalTradeltemDescription” which allows up to 350 characters.

## Defaultable Attributes

(These GDSN Mandatory Attribute values may be populated with default values where actual values are not known.)

	ATTRIBUTE NAME	DATA DICTIONARY TAG	DATA TYPE & ATTRIBUTE DESCRIPTION
15	<b>Functional Name</b>	functionalName	Text (1 to 35 characters). Default value: “DEFAULT”.
16	<b>Trade Item/Package Depth</b>	depth + UoM	UoM Code + Numeric. Default value: “0.001”.
17	<b>Trade Item/Package Height</b>	height + UoM	UoM Code + Numeric. Default value: “0.001”.
18	<b>Trade Item/Package Width</b>	width + UoM	UoM Code + Numeric. Default value: “0.001”.
19	<b>Is Trade Item a Consumer Unit?</b>	isTradeltemAConsumerUnit	Boolean: TRUE or FALSE. Populate value as FALSE unless actual value is available or required by trading partner. Note: If TRUE, a value for an additional attribute, Net Content, is required.
20	<b>Is Trade Item an Invoice Unit?</b>	isTradeltemAnInvoiceUnit	Boolean: TRUE or FALSE. Populate value as FALSE unless actual value is available or required by trading partner.
21	<b>Is Trade Item a Despatch Unit</b>	isTradeltemADespatchUnit	Boolean: TRUE or FALSE. Populate value as FALSE unless actual value is available or required by trading partner. Note: If TRUE, a value for an additional attribute, Gross Weight, is required.
22	<b>Is Trade Item a Variable Unit?</b>	isTradeltemAVariableUnit	Boolean: TRUE or FALSE. Populate value as FALSE unless actual value is available or required by trading partner.
23	<b>Is Trade Item Returnable?</b>	isPackagingMarkedReturnable	Boolean: TRUE or FALSE. Populate value as FALSE unless actual value is available or required by trading partner.

## Dependent Attributes

	ATTRIBUTE NAME	DATA DICTIONARY TAG	DATA TYPE & ATTRIBUTE DESCRIPTION
24	<b>Quantity of Children</b>	quantityOfChildren	Dependent. Integer (Number of unique GTINs contained.) A value for this attribute is only populated if a child GTIN is assigned: Populate only if value for isTradeltemABaseUnit (Attribute #9) is FALSE. Do not populate if value of Attribute #9 is TRUE. This value is the total number of child GTINs immediately below the GTIN.
25	<b>Total Quantity of Units Contained</b>	totalQuantityOfNextLowerLevelTradeltem	Dependent. Integer. A value for this attribute is only populated if a child GTIN is assigned: Populate only if value for isTradeltemABaseUnit (Attribute #9) is FALSE. Do not populate if value of Attribute #9 is TRUE. This value is the total amount of next lower level units in this GTIN.
26	<b>Next Lower Level GTIN</b>	childGTIN	Dependent. Integer. This value is the actual GTIN of a child contained in the GTIN. Populate only if value for isTradeltemABaseUnit (Attribute #9) is FALSE. Do not populate if value of Attribute #9 is TRUE.

## Total Visibility Project

Page 3 of 4

27	<b>Quantity of Next Lower Level GTIN</b>	quantityOfNextLowerLevelTradeItem	Dependent. Integer. A value for this attribute is only populated if a child GTIN is assigned: Populate only if value for isTradeItemABaseUnit (Attribute #9) is FALSE. Do not populate if value of Attribute #9 is TRUE. This value is the total amount of next level of units in the GTIN. This value is specific to the childGTIN (Attribute #26).
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### Dependent or Optional Attributes

	ATTRIBUTE NAME	DATA DICTIONARY TAG	DATA TYPE & ATTRIBUTE DESCRIPTION
28	<b>Trade Item/Package Gross Weight</b>	grossWeight + UoM	Optional or Dependent. UoM Code + Numeric. Gross Weight is an optional attribute; however, there are instances when it must be provided. If the trade item is an Orderable Unit (Attribute #8) or a Despatch Unit (Attribute #21), a value must be provided. If the trade item is not an Orderable Unit or Despatch Unit, the default value 0.0001 may be used. A value for Gross Weight is preferred and should be provided when available.
29	<b>Net Content</b>	netContent + UoM	Optional or Dependent. UoM Code + Numeric. Net Content is an optional attribute; however, there are instances when it must be provided. If the trade item is a Consumer Unit (Attribute #19), a value must be provided. If the trade item is not a Consumer Unit, a value need not be provided. Default values may not be used. When provided, the value must be real and valid. A value for Net Content is preferred and should be provided when available. This value indicates how many units of use are in the package

### Highly Desirable Attributes

	ATTRIBUTE NAME	DATA DICTIONARY TAG	DATA TYPE & ATTRIBUTE DESCRIPTION
30	<b>UNSPSC (Part 1)</b>	additionalClassificationAgencyName	GS1 Code List. Use "5" for UNSPSC.
31	<b>UNSPSC (Part 2)</b>	additionalClassificationCategoryCode	Code List. Use the appropriate 8-digit UNSPSC Code. These values can be found by visiting <a href="http://www.UNSPSC.org">www.UNSPSC.org</a> .

## Total Visibility Project

Page 4 of 4

### Steps to Begin Data Synchronization with GPOs

1. Contact the GPO Representative below. Coordinate data synchronization with that individual.
2. Use the **Minimum Product Attributes List** as a starting point to insure Initial Synchronization. Data publishers are encouraged to publish as many attributes as possible for their products. Be sure to review each GPO's product data process for additional requested or optional data. Additional attributes may be required for specific trading partner relationships; however, the Minimum Product Attributes are those identified as the bare minimum required to begin data synchronization and sharing with the participating GPOs and their members.
3. Send an email notifying each GPO when initial publications have been sent to ensure data has been received. If it has not, the GPOs will initiate error checking to correct issues.
4. After the Initial Loads are complete, new items should be published as "New".

*For questions on this initiative, the synchronization process, or the Minimum Product Attributes, contact the GPO at the representatives below.*

### Participating GPOs of the Healthcare Supply Chain Association and Committee for Healthcare eStandards

#### Healthtrust

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#### Premier

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#### Vizient

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