

IMPLEMENTATION GUIDE  
FOR THE GS1 GDSN DATA ALIGNMENT OF  
MEAT AND POULTRY TRADE ITEMS  
April 2011

mpXML Attribute Reference Number	Attribute Name	GS1 Global Data Dictionary Tag	Global Data Dictionary Definition	GDSN Usage	mpXML Usage Recommendation	GDSN Data Type	mpXML Entry Advice	mpXML Guidance	FIXED WEIGHT Example for SINGLE Hierarchy	FIXED WEIGHT Example for TWO-LEVEL Hierarchy		VARIABLE WEIGHT Example for SINGLE Hierarchy
									Case - Chix4U RTC Breaded Chicken Tenderloin (1/10 Lb bag per case)	Case - Chix4U RTC Breaded Chicken Tenderloin (4/5 lb bags per case)	Consumer - Chix4U RTC Breaded Chicken Tenderloin (5 lb bag)	Case - Chix4U RTC Breaded Chicken Tenderloin (1/10 lb bags per case)
1	Brand Company GLN	brandOwner	Unique location number identifying the brand owner. May or may not be the same entity as the information provider, which actually enters and maintains data in data pools.	Mandatory	Mandatory	Numeric (13 digits)	Enter the unique GLN identifying the brand owner	This GLN may or may not be the same GLN entity as the information provider GLN. For private label products the retailer may be the brand owner.	002370099999C	002370099999C	002370099999C	002370099999C
2	Brand Company Name	nameOfBrandOwner	Name of the party who owns the brand of the trade item. Mandatory when brandOwner Party identification is provided.	Mandatory	Mandatory	Text (1 to 35 characters) Free Text	Enter name of brand owner	This value should be "owner of the GTIN"	Super Chicken Processing Co.	Super Chicken Processing Co.	Super Chicken Processing Co.	Super Chicken Processing Co.
3	Brand Name	brandName	The recognizable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer.	Mandatory	Mandatory	Text (1 to 35 characters) Free Text	Enter Brand Name	Put the marketing identifier of the product or the brand that is on the product. A product produced by Superior Chicken Processing Co. with the brand name of Chix4U	Chix4U	Chix4U	Chix4U	Chix4U
4	Global Product Classification (GPC)	classificationCategoryCode	Global GS1 classification category code. Unique, permanent 10-digit key.	Mandatory	Mandatory	Code List (10 characters)	Enter appropriate 8 digit code from the GPC brick code list in Appendix N. The placeholder brick code of "99999999" should NOT be used for meat and poultry products.	The GPC brick code is mandatory and provides basic product characterization information necessary to ensure that synchronization partners can find products of interest.	10005769	10005769	10005769	10005769
5	Depth with UoM	depth	The measurement from front to back of the trade item. Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.	Mandatory	Mandatory	Numeric (Round up to 3 Decimals)	Enter measurement from front to back of the item from the marketing-face of the trade item to the back as it would be displayed on a shelf. Please refer to the GDSN Package Measurement Rules for further guidance on determining the measurements	Round to the nearest 0.05 inch; for naturally shaped items like hams and whole birds, provide the maximum typical value.	23.44 IN	23.44 IN	1.13 IN	23.44 IN
6	Effective Date of Change	effectiveDate	The date on which the information contents of the master data version are valid. Valid = correct or true. This effective date can be used for initial trade item offering, or to mark a change in the information related to an existing trade item. This date would mark when these changes take effect.	Mandatory	Mandatory	Date (CCYY-MM-DDTHH:MM:SS)	Enter the date for which the most recently changed information is valid	Used to manage the version change process for changes to an item which does not require a new GTIN; May be the same date as "publicationDate"	10/5/2010 would be 2010-10-05 12:12:12	10/5/2010 would be 2010-10-05 12:12:12	10/5/2010 would be 2010-10-05 12:12:12	10/5/2010 would be 2010-10-05 12:12:12
7	Functional Name	functionalName	Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field, 1-35.	Mandatory	Mandatory	Multidescription (Allows for a language qualifier) (1 to 35 characters)	Enter abbreviated descriptive item name for use on POS sales receipt	Typical POS systems may limit entry to 18 characters, including spaces. Entry can not be longer than 30 characters.	CHIX4U BRD CKN TDN	CHIX4U BRD CKN TDN	CHIX4U BRD CKN TDN	CHIX4U BRD CKN TDN

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8	GTIN	GlobalTradeItemNumber value	EAN UCC numbering structures will be used for the identification of trade items. All of them will be considered as 14-digit Global Trade Item Number (GTIN). Must be present to enable data to be presented to trade item catalogue. Must be submitted by the owner of the data (who may be the original manufacturer, the importer, the broker or the agent of the original manufacturer). This field is mandatory within the Global Data Synchronization work process.	Mandatory	Mandatory	Numeric (14 digits)	Enter Global Trade Item Number (GTIN) assigned by the supplier. Also see GTIN Allocation guidance under the General Guidance Section of this Guide.	For efficient use of GTINs, assign a base GTIN to a trade item and change the leading digit to create a unique GTIN for each level; the leading digit of the base-unit GTIN should start with a 0; variable-measure CASE GTINs must start with a 9. For more information go to : gs1.org	0002370012345c	30023700496349	00023700496348	9002370022345c
9	Is the Item marked with a Batch/Lot Number?	hasBatchNumber	Indication whether the base trade item is batch or lot number requested by law, not batch or lot number requested by law but batch or lot number allocated, or not batch or lot number allocated. A batch or lot number is a manufacturer assigned code used to identify a trade item's trade item on batch or lot. Differs from Serial Number which is a manufacturer assigned code during the trade item on cycle to identify a unique trade item.	Optional	Mandatory	Boolean (Yes/No)	Enter "Yes" if a batch or lot number or its functional equivalent is present.	Must be present on the base trade item in human readable format. Need to request change to GDD to request that the batch/lot number value be based on what is marked on the case or shipping container level. A case serial number alone does not support a "Y" value for this attribute unless there is the functional equivalent of a batch/lot number encoded in the serial number.	Y	Y	N	Y
10	Height with UoM	height	The measurement of the height of the trade item. The vertical dimension from the lowest extremity to the highest extremity, including packaging. At a pallet level the trade itemHeight will include the height of the pallet itself. Business Rules: Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.	Mandatory	Mandatory	Numeric (Round up to 3 Decimals)	This measurement is the vertical dimension from the lowest extremity to the highest extremity for the marketing-face of the trade item. Please refer to the GDSN Package Measurement Rules for further guidance	Round to the nearest 0.05 inch; for naturally shaped items like hams and whole birds, provide the maximum typical value. For a pallet product with a GTIN, include the height of the pallet.	10.75 IN	10.75 IN	7.63 IN	10.75 IN
11	Information Provider Company GLN	informationProviderOfTradeItem	Combination of this field (GLN) + GTIN + target market uniquely identifies a set of attributes for a trade item. The data owner is not necessarily the source of the data, but has the responsibility to provide and maintain the data in the catalogue. This field is mandatory within the Global Data Synchronization work process.	Mandatory	Mandatory	Numeric (13 digits)	Enter the unique GLN of the party that is the originator of the trade item data (e.g., Distributor, Broker, Manufacturer)	The purpose of this attribute is to identify the originator of the data who is considered to be the information owner of the trade item data. The two most common sources of the trade item data are the brand owner or the manufacturer.	002370099999C	002370099999C	002370099999C	002370099999C
12	Are non-sold items returnable?	isNonSoldTradeItemReturnable	Indicates that the buyer can return the articles that are not sold. Used, for example, with magazines and bread. This is a y/n (Boolean) where y equals right of return. This is at least relevant to General Merchandise, Publishing industries and for some FMCG trade item.	Optional	Mandatory	Boolean (Yes/No)	Enter "No" if you do not want to allow the buyer to return unsold product	This would apply to any level of the GTIN hierarchy, the case, pack, each, or pallet.	N	N	N	N

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13	Is Packaging marked as Returnable?	isPackagingMarkedReturnable	Trade item has returnable packaging. This is a yes/no (Boolean) where yes equals package can be returned. Attribute applies to returnable packaging with or without deposit.	Mandatory	Mandatory	Boolean (Yes/No)	Enter "Yes" if packaging is marked as returnable; otherwise enter "No".		N	N	N	N
14	Is Item the Base Unit (Lowest Packaging Level)?	isTradeItemABaseUnit	An indicator identifying the trade item as the base unit level of the trade item hierarchy. This is y/n (Boolean) where y indicates the trade item is a base unit.	Mandatory	Mandatory	Boolean (Yes/No)	Enter "Yes" if no lower level GTIN	If "No" is entered, the system will require a GTIN for a lower-level trade item	Y	N	Y	Y
15	Is Trade Item A Consumer Unit?	isTradeItemAConsumerUnit	Identifies whether the current hierarchy level of a trade item is intended for a ultimate consumption. For retail, this trade item will be scanned at point of sale. At retail, this data is commonly used to select which GTINs should be used for shelf planning and for front end POS databases. This value reflects the intention of the Information Provider which may not necessarily be reflected by the retailer.	Mandatory	Mandatory	Boolean (Yes/No)	Select "Yes" if unit GTIN is scanned at the retail level and sold to the end consumer.	There can be more than one consumer unit in a hierarchy such as an inner pack unit marked with a GTIN and the EACH unit marked with a GTIN. Therefore, you may have multiple levels of the item hierarchy reported YES as a consumer unit. There may not be a consumable unit in foodservice product hierarchies.	N	N	Y	N
16	Is Trade Item Shipping Unit?	isTradeItemADespatchUnit	An indicator identifying that the information provider considers the trade item as a dispatch (shipping) unit. This may be relationship dependent based on channel of trade or other point to point agreement. This is y/n (Boolean) where y indicates the trade item is a dispatch unit.	Mandatory	Mandatory	Boolean (Yes/No)	Enter "Yes" if trade item level is considered a shippable unit	If "No" is entered, system will require a GTIN for a higher level trade item such as a Case or Pallet; There can be more than one shipping unit in a hierarchy.	Y	Y	N	Y
17	Is Trade Item Invoice Unit?	isTradeItemAnInvoiceUnit	An indicator identifying that the information provider will include this trade item on their billing or invoice. This may be relationship dependent based on channel of trade or other point to point agreement. This is y/n (Boolean) where y indicates the trade item is an invoicing unit.	Mandatory	Mandatory	Boolean (Yes/No)	Enter "Yes" if trade item level will be listed on the bill or invoice	Typically "Yes" for CASE level and "No" for EACH level; There can be more than one invoice unit in a hierarchy.	Y	Y	N	Y
18	Is Trade Item Orderable?	isTradeItemAnOrderableUnit	An indicator identifying that the information provider considers this trade item to be at a hierarchy level where they will accept orders from customers. This may be different from what the information provider identifies as a despatch unit. This may be a relationship dependent based on channel of trade or other point to point agreement. This is y/n (Boolean) where y indicates the trade item is an ordering unit.	Mandatory	Mandatory	Boolean (Yes/No)	Enter "Yes" if buyer can use this trade item level to order product; There can be more than one orderable unit in one hierarchy.	If "No" is entered, system will require a GTIN for a higher level orderable trade item such as a Case or Pallet; Also use orderByUnitOfMeasure to indicate if the product can be ordered by weight.	Y	Y	N	Y
19	Catch Weight	isTradeItemAVariableUnit	Indicates that an article is not a fixed quantity, but that the quantity is variable. Can be weight, length, volume. trade item is used or traded in continuous rather than discrete quantities.	Mandatory	Mandatory	Boolean (Yes/No)	Enter "Yes" for variable-weight products; Enter "No" for fixed weight products.	If the trade item is not a fixed weight, this attribute would be "Yes". If the trade item is variable weight, regardless of how it is priced, the attribute value should be a "Yes".	N	N	N	Y

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20	Is the Item marked as recyclable?	isTradeItemMarkedAsRecyclable	Trade item has a recyclable indication marked on it. This may be a symbol from one of many regional agencies.	Optional	Mandatory	Boolean (Yes/No)	Enter "No" unless item is marked as recyclable.		N	N	N	N
21	Information Provider Company Name	nameOfInformationProvider	Name of the party who owns the data. Name of the information provider on the trade item. Mandatory when informationProvider is provided.	Mandatory	Mandatory	Text (1 to 35 characters) Free Text	Enter text name of information provider	Name must match the GLN entered for the "informationProvider" attribute	Super Chicken Processing Co.	Super Chicken Processing Co.	Super Chicken Processing Co.	Super Chicken Processing Co.
22	Item Availability Date	startAvailabilityDateTime	The date (CCYY-MM-DDTHH:MM:SS) from which the trade item becomes available from the manufacturer, including seasonal or temporary trade item and services.	Mandatory	Mandatory	Date (CCYY-MM-DDTHH:MM:SS)	Date item becomes available from the supplier	Many retailers are not using this date, as they expect this date to be the SAME for all levels of the trade item hierarchy, but standards do not require consistency.	10/5/2010 would be 2010-10-05 12:12:12	10/5/2010 would be 2010-10-05 12:12:12	10/5/2010 would be 2010-10-05 12:12:12	10/5/2010 would be 2010-10-05 12:12:12
23	Target Market	targetMarketCountryCode	ISO 3166-1 format 3 digit numerical, following AIDC guidelines. This information drives data synchronization rules linked to global/local, local status. Combination of this field +GTIN+GLN uniquely identifies a set of attributes or a trade item. This is a repeatable field. This field is mandatory within the Global Data Synchronization process.	Mandatory	Mandatory	Code List (3 digits)	Enter a 3-digit country code from Country Codes List, ISO 3166-1 e.g., 840 = United States.	The target market code indicates the country in which the information provider will make the GTIN available to buyers. The combination of this field +GTIN+GLN uniquely identifies a set of attributes for a trade item.	840	840	840	840
24	Country of Origin	tradeItemCountryOfOrigin	The country code (codes) in which the goods have been produced or manufactured; according to criteria established for the purposes of application of the value may or may not be presented on the trade item label. (ISO-3166).	Optional	Mandatory	Code List (3 digits)	This information is for customs purpose in case of importation or legal requirements regarding customer information for some categories of trade item (e.g. meats and fruits). Information can be repeated if multiple countries are valid. In this case, the buyer will only know the actual country of origin at the time of delivery.	Note - Does NOT address COOL legal requirements; Can use multiple values to show all possible countries where a product could be last processed. mpXML recommends that a unique GTIN be assigned for every item of a covered commodity that has a different country of origin designation.	840	840	840	840
25	Unit Descriptor	TradeItemUnitDescriptorList value	Describes the hierarchical level of the trade item.	Mandatory	Mandatory	Code List (2 Characters)	Enter the trade item unit level such as PALLET, CASE, or BASE_UNIT_OR_EACH from the TradeItemUnitDescriptorList		Case	Case	Each	Case
26	Width with UoM	width	The measurement from left to right of the trade item. Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.	Mandatory	Mandatory	Numeric (Round up to 3 Decimals)	Enter measurement from the left to the right of the item as it would be placed on a shelf. Please refer to the GDSN Package Measurement Rules for further guidance on determining the measurements	Round to the nearest 0.05 inch; for naturally shaped items like hams and whole birds, provide the maximum typical value.	15.25 IN	15.25 IN	9.75 IN	15.25 IN
27	Manufacturer Company GLN	manufacturer gln	Unique location number identifying the manufacturer. May or may not be the same entity as the information provider, which actually enters and maintains data in data pools.	Optional	Recommended	Numeric (13 digits)	Enter GLN of manufacturer	This may or may not be the same as the GTIN information provider.	002370099999C	002370099999C	002370099999C	002370099999C
28	Manufacturer Company Name	nameOfManufacturer	Descriptive name of the manufacturer of the trade item.	Optional	Recommended	Text (1 to 35 characters) Free Text	Enter name of manufacturer or company which is in control of the manufacturing process	This should be the manufacturer for private label products. mpXML highly recommends the use of this attribute.	Super Chicken Processing Co.	Super Chicken Processing Co.	Super Chicken Processing Co.	Super Chicken Processing Co.

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29	Short Product Description	descriptionShort	A free form short length description of the trade item that can be used to identify the trade item at point of sale. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field.	Optional	Recommended	Multidescription (Allows for a language qualifier) (1 to 35 characters) Free Text	Enter the name of the trade item commonly used for sourcing, sales and marketing purposes for use at point of sale, not to exceed 35 characters	If the common name of the product is not too long, this entry can be the same as the "invoiceName" attribute.	RTC BRD CHK TNDLN	RTC BRD CHK TNDLN	RTC BRD CHK TNDLN	
30	GPC Attributes	GDSNTradeItemClassificationAttributeType Class attributes and the GDSNTradeItemClassificationAttributeValue Class attributes	The global product classification brick attribute values that further designate key product characteristics	Optional	Recommended	Code List (8 digits) and associated code names	One or more GPC attribute code and value pairs that designate key product characteristics	Refer to GS1 meat and poultry attribute and value code lists published at <a href="http://www.gs1.org/gsm/pc/gpc">http://www.gs1.org/gsm/pc/gpc</a>	REFRIGERATION STATE = INDIVIDUALLY FROZEN WITHOUT ICE GRAZING; CHICKEN CUT = TENDERLOIN WITH TENDON CLIP OFF; FORM = WHOLE MUSCLE-POULTRY PART; SHAPE = NATURAL CARCASS/PART/MUSCLE; ADDITIVE = BREADING; BONELESS CLAIM = Y; LEVEL OF COOKING = BLANCHED; NON-THERMAL PRESERVATION = NO NON-THERMAL PRESERVATION; MECHANICAL PROCESSING = NO MECHANICAL PROCESSING; SOURCE = DOMESTICATED/FARM-RAISED	REFRIGERATION STATE = INDIVIDUALLY FROZEN WITHOUT ICE GRAZING; CHICKEN CUT = TENDERLOIN WITH TENDON CLIP OFF; FORM = WHOLE MUSCLE-POULTRY PART; SHAPE = NATURAL CARCASS/PART/MUSCLE; ADDITIVE = BREADING; BONELESS CLAIM = Y; LEVEL OF COOKING = BLANCHED; NON-THERMAL PRESERVATION = NO NON-THERMAL PRESERVATION; MECHANICAL PROCESSING = NO MECHANICAL PROCESSING; SOURCE = DOMESTICATED/FARM-RAISED	REFRIGERATION STATE = INDIVIDUALLY FROZEN WITHOUT ICE GRAZING; CHICKEN CUT = TENDERLOIN WITH TENDON CLIP OFF; FORM = WHOLE MUSCLE-POULTRY PART; SHAPE = NATURAL CARCASS/PART/MUSCLE; ADDITIVE = BREADING; BONELESS CLAIM = Y; LEVEL OF COOKING = BLANCHED; NON-THERMAL PRESERVATION = NO NON-THERMAL PRESERVATION; MECHANICAL PROCESSING = NO MECHANICAL PROCESSING; SOURCE = DOMESTICATED/FARM-RAISED	REFRIGERATION STATE = INDIVIDUALLY FROZEN WITHOUT ICE GRAZING; CHICKEN CUT = TENDERLOIN WITH TENDON CLIP OFF; FORM = WHOLE MUSCLE-POULTRY PART; SHAPE = NATURAL CARCASS/PART/MUSCLE; ADDITIVE = BREADING; BONELESS CLAIM = Y; LEVEL OF COOKING = BLANCHED; NON-THERMAL PRESERVATION = NO NON-THERMAL PRESERVATION; MECHANICAL PROCESSING = NO MECHANICAL PROCESSING; SOURCE = DOMESTICATED/FARM-RAISED
31	Gross Weight with UoM	grossWeight	Used to identify the gross weight of the trade item. The gross weight includes all packaging materials of the trade item. At pallet level the trade itemGrossWeight includes the weight of the pallet itself. For example, "200 grm", value - total pounds, total grams, etc. Has to be associated with a valid UoM.	Optional	Recommended	Numeric (Round up to 3 Decimals)	Weight of product and packaging. Include pallet, if at pallet level; Considered to be average weight for variable weight products. (GDSN allows for pallet of unknown type to be excluded so that the weight does not include pallets where the type can change)	For variable weight trade items use the average gross weight for gross weight value	10.5 LB	21 LB	5.2 LB	10.5 LB
32	Net Weight with UoM	netWeight	Used to identify the net weight of the trade item. Net weight excludes any packaging materials and applies to all levels but consumer unit level. For consumer unit, Net Content replaces Net Weight (can then be weight, size, volume). Has to be associated with a valid UoM.	Optional	Recommended	Numeric (Round up to 3 Decimals)	Weight of item excluding packaging. Represents an average weight for variable-weight items.; EAN UCC states not for consumer unit level items.	Populate this attribute value for net weight at all levels of the product hierarchy. Use the same value for netContent for the consumer-level item. For variable weight trade items use the average weight for net weight.	10 LB	20 LB	5 LB	10 LB
33	Storage Temperature Maximum with UoM	storageHandlingTemperatureMaximum	The maximum temperature at which the trade item can be stored. This uses a measurement consisting of a unit of measure and a value.	Optional	Recommended	Numeric (Round up to 3 Decimals)	Enter highest value that applies at any point in the supply chain for the temperature a trade item should be stored.	Used to indicate the maximum storage temperature for the trade item. If the recommended storage temperature is one value, the value for both minimum and maximum storage temperatures should be the same.	0 Fahrenheit	0 Fahrenheit	0 Fahrenheit	0 Fahrenheit
34	Storage Temperature Minimum with UoM	storageHandlingTemperatureMinimum	The minimum temperature at which the trade item can be stored. This uses a measurement consisting of a unit of measure and a value.	Optional	Recommended	Numeric (Round up to 3 Decimals)	Enter lowest value that a trade item should be stored at any point in the supply chain	Recommended minimum storage temperature for the trade item. If the recommended storage temperature is one value, the value for both minimum and maximum storage temperatures should be the same.	0 Fahrenheit	0 Fahrenheit	0 Fahrenheit	0 Fahrenheit

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35	Cube with UoM	tradeItemCubeMeasurement - Final Name PENDING	The dimensions, and UoM, of an imaginary cube which can be drawn around the trade item as defined in the formula of H X W X D (The linear dimensions multiplied to get a cubic result). This only applies to In-box dimensions. <b>Fast Track Release in Fall 2010</b>	Optional	Recommended	Numeric (Round up to 3 Decimals)	Currently the Retailer calculates the cube from the trade item dimensions, however, this data element, once added, will allow suppliers to pass the cubic value as it exists in their systems. Available via GDSN AVP currently, and with GDSN Maintenance Release 5, date to be determined.		NA	NA	NA
36	Quantity of Next Lower Level Trade Item GTINs	quantityOfChildren	Value indicates the number of unique next lower level trade items contained in a complex trade item. A complex trade item can contain at least 2 different GTINs.	Dependent (Based on level of Hierarchy)	Dependent	Integer	Enter the number of unique GTINs contained at the very next lower level; typically this value will be "1". This value is not sent if the GTIN is the base unit.	At the CASE level, this entry would be the number of unique children GTINs contained in the CASE. If there are two unique children GTINs, enter "2".	NULL	1	NULL
37	Total Quantity of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem	This represents the Total quantity of next lower level trade items that this trade item contains.	Dependent (Based on level of Hierarchy)	Dependent	Integer	Total number of all items contained at the very next lower level. If the trade item contains only one GTIN at next lower level, this number will be same as quantityOfNextLowerLevelTradeItem.	This is the attribute that enables pack information. It is the total quantity of trade items contained at the next lower level. If there are 10 eaches of one GTIN value, the entry would be "10". If there are 2 GTINs with 2 of each GTIN, the entry would be "4".	NULL	4	NULL
38	GTIN of Next Lower Level Trade Item	childGTIN	A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain. In this context, the GTIN for the current item which is a child item of another item.	Dependent (Based on level of Hierarchy)	Dependent	Numeric (14 digits)	Enter the GTIN value for the trade items within the current GTIN hierarchical level.	The GTIN value may be marked on the lower package level or may be assigned, but not marked.	NULL	00023700496348	NULL
39	GTIN of Next Higher Level Trade Item	parentGTIN	A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain. In this context, the GTIN for the parent item of the current item.	Dependent (Based on level of Hierarchy)	Dependent	Numeric (14 digits)	Enter the GTIN of the next higher level of the product hierarchy	Not Applicable at the case-level if there is no pallet GTIN	NULL	NULL	30023700496349
40	Expanded Product Description	additionalTradeItemDescription	Additional variants necessary to communicate to the industry to help define the product. Multiple variants can be established for each GTIN. This is a repeatable field, e.g. Style, Colour, and Fragrance. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field, 1-350.	Optional	Optional	Multidescription (Allows for a language qualifier) (1 to 350 characters) Free Text	Enter narrative text that describes the important features of the trade item that distinguish it from other similar products.		Blanched, Marinated Breaded Chicken Tenderloin	Blanched, Marinated Breaded Chicken Tenderloin	Blanched, Marinated Breaded Chicken Tenderloin

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41	Additional Product Identification Type	additionalTradeItemIdentificationType	Type of the identification system that is being used as an alternative to the Global Trade Item Number.	Optional	Optional	Code List	Use SUPPLIER_ASSIGNED if value is the supplier's internal SKU reference. Only assign attribute at the case level hierarchy	NEVER use this attribute to send a UPC code for a variable weight product. Expand to add looping options...	SUPPLIER_ASSIGNED	SUPPLIER_ASSIGNED	NULL	SUPPLIER_ASSIGNED
42	Additional Product Identification Number	additionalTradeItemIdentificationValue	Alternative means to the Global Trade Item Number to identify a trade item.	Optional	Optional	Text-Free Text (80 Characters)	Value may be the supplier's internal SKU reference.	NEVER use this attribute to send a UPC code for a variable weight product. Only assign attribute at the case level hierarchy	4919-928	4918-928	NULL	4920-928
43	Barcode Type	barCodeType	Indication if the trade item is physically bar-coded with the primary trade item identification number.	Optional	Optional	Numeric (Round up to 3 Decimals)	The definition of the barcode format applied to the trade item if physically marked with the global trade item number.	Enter "UCC_EAN_128_SYMBOL" for all cases marked with a GS-128 barcode or "ITF_14_SYMBOL" for all cases marked with a ITF-14 barcode. Enter "UPC_A_SYMBOL" for fixed weight product at the consumer level for all product marked with a GTIN barcode or if not use "NULL". Because variable weight consumer level products may not be marked with a GTIN encoded into the barcode, the barcode type value should be "NULL" for this product.	UCC_EAN_128_SYMBOL	UCC_EAN_128_SYMBOL	NULL	UCC_EAN_128_SYMBOL
44	Diet Type Code	dietTypeCode	Code indicating the diet the product is suitable for.	Mandatory (If class of attributes is used)	Optional	Code List (Recommended 60 characters)	Enter value from the Diet_type_list (Gluten-free will be added as a value to this list in the near future). Can be repeated for as many diets with which the item can be used.	Recommendation is to only use Halal, Kosher, or Gluten-free diet_type values for meat and poultry products. Do not select from other options.	KOSHER	KOSHER	KOSHER	KOSHER
45	Individual Unit Maximum Weight with UoM	individualUnitMaximum - Final Name PENDING	The maximum or largest size of the individual unit inside the lowest level of packaging expressed as a measurement. - <b>Fast Track Release in Fall 2010</b>	Optional	Optional	Numeric (Round up to 3 Decimals)	Enter the maximum weight of the individual unit that does not have a GTIN assignment for the lowest level of the item which has a GTIN assigned. If the maximum weight is not a fixed weight, enter the actual maximum weight observed. Always use in combination with the individualUnitMinimum attribute.	This is the maximum weight of the inner pack that does not have a GTIN assignment.	10	5	NULL	10
46	Individual Unit Minimum Weight with UoM	individualUnitMinimum - Final Name PENDING	The minimum or smallest size of the individual unit inside the lowest level of packaging expressed as a measurement. - <b>Fast Track Release in Fall 2010</b>	Optional	Optional	Numeric (Round up to 3 Decimals)	Enter the minimum weight of the individual unit that does not have a GTIN assignment for the lowest level of the item which has a GTIN assignment. If the minimum weight is not a fixed weight, enter the actual minimum weight observed. Always use in combination with the individualUnitMaximum attribute.	This is the minimum weight of the inner pack that does not have a GTIN assignment.	10	5	NULL	10
47	Shelf Life from Production	minimumTradeItemLifespanFromTimeOfProduction	The period of day, guaranteed by the manufacturer, before the expiration date of the product, based on the production.	Optional	Optional	Integer (4 digits)	Enter the number of days guaranteed by the manufacturer before the expiration date of the product from the day of production.		365	365	365	365
48	Pallet Hi for Pallet GTIN	quantityOfCompleteLayersContainedInATradeItem	The number of layers of the base trade item found in a trade item. Does not apply to the base trade item unit.	Use only if a Pallet GTIN has been assigned.	Optional	Integer	Enter the number of layers of cases on the pallet (Hi)	This attribute is used to define the number of layers on the pallet (hi) for pallet-level GTINs only	Null	Null	Null	Null

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mpXML Attribute	Attribute Name	GS1 Global Data Dictionary	GS1 Data Dictionary Definition	GDSN	mpXML Usage	GDSN Data Type	mpXML Example Address	mpXML Example Value	FIXED WEIGHT Example for SINGLE Hierarchy	FIXED WEIGHT Example for TWO-LEVEL Hierarchy	VARIABLE WEIGHT Example for SINGLE Hierarchy	
49	Quantity of Inner Pack Types (No GTIN Assigned)	quantityOfInnerPack	Indicates the number of non-GTIN assigned each or innerpack of next lower level trade items within the current GTIN level.	Optional	Optional	Integer	Enter the number of unique of trade items without GTINs at the next lower level; typically, this value will be "1" unless there is a variety pack. Only use when there is a discrete inner pack which has not been assigned a GTIN.	At the CASE level, this entry would be the number of unique children without a GTIN contained in the CASE. If there are two unique trade items without GTINs, enter "2".	1	NULL	NULL	1
50	Pallet HI When No Pallet GTIN	quantityOfLayersPerPallet	The number of layers that a pallet contains. Only used if the pallet has no GTIN. It indicates the number of layers that a pallet contains, according to manufacturer or retailer preferences.	Use only if NO Pallet GTIN has been assigned. (Non-GTIN Logistics Unit Extension)	Optional	Integer	Enter the number of layers of cases on the pallet (HI)	Use only if the PALLET has no GTIN. Each case GTIN can define only one configuration for the pallet.	6	6	6	6
51	Quantity of InnerPacks (No GTIN Assigned)	quantityOfNextLevelTradeItemWithinInnerPack	Indicates the number of next lower level trade items contained within the non-GTIN assigned innerpack.	Optional	Optional	Integer	Enter the number of the packages of the next lower level trade item that are a physically wrapped grouping (inner pack) that does not have a GTIN assigned in the product hierarchy. Only use when there is a discrete inner pack which has not been assigned a GTIN.	This is the number of innerpacks without a GTIN. For example, at the case level which has 4 innerpacks of a single inner pack type that does not have a GTIN assigned, this value would be 4.	1	4	NULL	1
52	Pallet TI for Pallet GTIN	quantityOfTradeItemsContainedInACompleteLayer	The number of trade items contained in a complete layer of a higher packaging configuration. Used in hierarchical packaging structure of a trade item. Cannot be used for trade item base unit.	Use only if a Pallet GTIN has been assigned.	Optional	Integer	Enter the number of cases for each layer of the pallet (TI)	This attribute is used to define the number of trade items in a complete layer of the pallet (ti) for pallet-level GTINs only	Null	Null	Null	Null
53	Total Items On Pallet When No Pallet GTIN	quantityOfTradeItemsPerPallet	The number of trade items contained in a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet according to manufacturer or retailer preferences.	Use only if NO Pallet GTIN has been assigned. (Non-GTIN Logistics Unit Extension)	Optional	Integer	Enter the total number of cases per pallet	Use only if the PALLET has no GTIN. Each case GTIN can define only one configuration for the pallet.	30	30	30	30
54	Pallet TI When No Pallet GTIN	quantityOfTradeItemsPerPalletLayer	The number of trade items contained on a single layer of a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet layer according to manufacturer or retailer preferences.	Use only if NO Pallet GTIN has been assigned. (Non-GTIN Logistics Unit Extension)	Optional	Integer	Enter the number of cases for each layer of the pallet (TI)	Use only if the PALLET has no GTIN. Each case GTIN can define only one configuration for the pallet.	5	5	5	5
55	Pack Size Description	shippingContainerContentsDescription - Final Name PENDING	the contents of the shipping container as described on the outside of the shipping container. <b>Fast Track Release in Fall 2010</b>	Optional	Optional	Text- (70 Characters) Free Text- Repeatable	Available via GDSN AVP currently, and with GDSN Maintenance Release 5, date to be determined.	Used to denote whether the product has 4/10# bags, 1/40# bag, or 40/1# bags inside the case. This text should appear on the shipping container marking. The value is only relevant for the case level.	1/10 lb bag	4/5 lb bags	NULL	1/10 lb bag
56	Variable Trade Item Type	variableTradeItemType	Indication if the trade item is packaged by the supplier for sale to the consumer.	Optional	Optional	Numeric (Round up to 3 Decimals)	Indication if the variable weight consumer level trade item is pre-packaged for direct consumer sale or bulk packaged.	Enter "PRE_PACKED" for product that is pre-packaged for consumer sale, whether or not the product is pre-priced. Enter "LOOSE" if the product is not pre-packaged for consumer sale.	LOOSE	PRE_PACKED	PRE_PACKED	LOOSE
57	Maximum Quantity of Ordered Trade Items	orderQuantityMultiple	The order quantity multiples in which the trade item may be ordered. If the Order Quantity Minimum is 100, and the Order Quantity Multiple is 20, then the trade item can only be ordered in quantities which are divisible by the Order Quantity Multiple of 20.	Optional	Optional	Integer	Used to indicate the increment in the number of trade items that must be used when ordering more than the minimum quantity.	Can be used to indicate the smallest incremental unit of trade items that can be ordered; if set to equal the number of cases on a pallet, product can be ordered in whole pallet increments only.	5	5	Null	5

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mpXML Attribute	Attribute Name	GS1 Global Data Element	GS1 Data Element Definition	GDSN	mpXML Usage	GDSN Data Type	mpXML Example	mpXML Usage	FIXED WEIGHT Example for SINGLE Hierarchy	FIXED WEIGHT Example for TWO-LEVEL Hierarchy		VARIABLE WEIGHT Example for SINGLE Hierarchy
58	Minimum Quantity of Ordered Trade Items	orderQuantityMinimum	Represents the minimum quantity of the trade item that can be ordered. A number or a count. This applies to each individual order. Can be a fixed amount for all customers in a target market	Optional	Optional	Integer	Used to indicate the minimum number of trade items that can be ordered.	Can be used to indicate the smallest number of trade items that can be ordered; if set to equal the number of cases on a pallet, the smallest order accepted will be for a full pallet.	30	30	Null	30
59	Net Content with UoM	netContent	The amount of the trade item contained by a package, usually as claimed on the label. For example, Water 750ml - net content = "750 MLT"; 20 count pack of diapers, net content = "20 ea.". In case of multi-pack, indicates the net content of the total trade item. For fixed value trade items use the value claimed on the package, to avoid variable fill rate issue that arises with some trade item 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, indicates the average quantity.	Optional	Not Recommended	Numeric (Round up to 3 Decimals)	Used for consumer level items to indicate net content claims on label. Enter the average weight of variable weight items.	Use netWeight for trade items above the consumer level; Value may be required by some datapools.	Null	Null	5 LB	Null