



Hardware GS1 Action Group

Purchase Order Data Definitions Mapping

Version 2.0

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Document Change Control

Version #	Date	Nature of Change / Comments	Author
v0.1	15/12/08	Draft for public review	GS1
v0.2	24/04/09	Revised dependency notes, updated line level data	GS1
v0.3	20/07/09	Minor revisions following work group meeting	GS1
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v2.0	19/01/12	Included EANCOM 2002 mappings, included UNB segment, highlighted differences between EANCOM 97 and 2002 releases	GS1

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1 Document Purpose

The purpose of this document is to define the data set required within the Hardware Sector for the Purchase Order document, as determined by the Hardware GS1 Action Group (HGAG) eCommerce working group members. The document provides a list of common data definitions for all fields and provides mappings to EANCOM 97, EANCOM 2002 and GS1 XML v2.5 standards.

2 How to read the Mapping

Section 3 below contains the HGAG Purchase Order eCommerce data set. It consists of nine columns:

- **Field Description** – brief description/meaning of the field being mapped;
- **Global Data Dictionary (GDD) Name** – name of the data element as it appears in GS1 GDD;
- **Global Data Dictionary Definition** - definition of a data element as it appears in GS1 GDD;
- **M/O**- indication of a status of a data element – Mandatory or Optional. **D** – indicator of the status of a data element which can change depending on the circumstances;
- **GS1 XML v2.5 mapping** – path to the data element being mapped in GS1 XML messaging standard;
- **EANCOM 97 mapping** – path to the data element being mapped in EANCOM 97 messaging standard.
- **EANCOM 2002 mapping** – path to the data element being mapped in EANCOM 2002 messaging standard;
- **97 vs '02** – indicates if there is a difference between the two standards. \checkmark = no change, X = change
- **Variance Detail** – details where the two EANCOM standards differ for the element.

2.1 GS1 XML v2.5 mapping

In the GS1 XML v2.5 mapping column, in the table, the full path to the data element being mapped is provided:

- The first part of path is the root element name of the Business Message Standard, e.g. /multiShipmentOrder;
- The path is made up of hierarchical listing of the parents of the data element being mapped. The last part of the path is the actual data element being mapped.

Where there is a need to qualify this information in another element, that data element will also be included into the mapping. The paths of these are separated by a plus '+' sign.

2.2 EANCOM 97 & EANCOM 2002 mapping

In the EANCOM 97 and EANCOM 2002 mapping columns, in the table, the full path to the data element being mapped is provided:

- The first part of the path is the message name, e.g. ORDERS. This may be followed by a segment group e.g. SG1 or segment name identified by a three letter tag e.g. NAD;
- The last part of the path will be the actual data field being mapped and it will be identified by the EANCOM data element number. The data element is represented by the DE prefix followed by the data element four digit number e.g. DE3055. If the data element is part of a composite (complex) data element, the mapping will include that composite's tag as part of the path. A composite data element is identified by the prefix C with a three digit tag (C082).

If there is a data element that is needed to be provided to correctly map the required data element, for example, qualify type of date, that data element is also included in the mapping. Such data elements can precede or follow the data element being mapped, and they are separated by a plus '+' sign.

If there is a default value for a field, it will be provided in brackets after the data element, e.g. DE3035(BY) – 'BY' is the default value of data element number 3035.

2.3 Message Standards

The following links provide a path to more information on GS1 XML and the EANCOM 97 based Hardware Message Implementation guides:

- GS1 XML:
http://www.gs1au.org/products/gs1_system/emessaging/bms_and_xml.asp
 - To access information related to the Purchase Order, follow the links to the global website and select Multi Shipment Order.
- GS1 EANCOM information can be found here:
http://www.gs1au.org/products/gs1_system/emessaging/gs1_eancom.asp
 - GS1 EANCOM 97 based Message Implementation Guides for Hardware Purchase Order can be found here:
http://www.gs1au.org/assets/documents/info/mig/mig_hware_p_order.pdf

NOTE: Hardware Message Implementation Guides based on EANCOM 2002 have not been published.

3 Purchase Order Mapping

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
HEADER LEVEL								
Sender identification	Sender	Identifies the party sending an electronic message by use of the Global Location Number	M	/StandardBusinessDocumentHeader/Sender/Identifier	ORDERS - UNB - S002 - 0004 + S002 - 0007(14)	ORDERS - UNB - S002 - 0004 + S002 - 0007(14)	√	
Recipient identification	Receiver	Identifies the party receiving an electronic message by use of the Global Location Number	M	/StandardBusinessDocumentHeader/Receiver/Identifier	ORDERS - UNB - S003 - 0004 + S003 - 0007(14)	ORDERS - UNB - S003 - 0004 + S003 - 0007(14)	√	
Date/Time of message	DocumentIdentification	Date and time of the SBDH document creation	M	/StandardBusinessDocumentHeader/DocumentIdentification/CreationDateAndTime	ORDERS - UNB - S004 - 0017 + S004 - 0019	ORDERS - UNB - S004 - 0017 + S004 - 0019	√	
Interchange control	InstanceIdentifier	Unique instance identifier for the message	M	/StandardBusinessDocumentHeader/DocumentIdentification/InstanceIdentifier	ORDERS - UNB - S004 - 0020	ORDERS - UNB - S004 - 0020	√	
Purchase Order Number	orderIdentification	The unique identification of the Order	M	/multiShipmentOrder/orderIdentification/uniqueCreatorIdentification	ORDERS - BGM - DE1004	ORDERS - BGM - C106 - DE1004	X	In 2002, DE1004 has become a component of the Composite Element C106
Purchase Order Type			M	Pending Change Request	ORDERS - BGM - C002 - DE1001	ORDERS - BGM - C002 - DE1001	√	
Purchase Order Date	creationDateTime	This is the date the message was created	M	/multiShipmentOrder/attributes-creationDateTime	ORDERS - DTM - C507 - DE2005(137) + C507 - DE2380 + C507 - DE2379	ORDERS - DTM - C507 - DE2005(137) + C507 - DE2380 + C507 - DE2379	√	
Backorder acceptance indicator	orderInstruction	This provides the ability to state if the buyer accepts partial delivery on their order	O	/multiShipmentOrder/orderHeaderIndicator/attributes - orderInstruction (PARTIAL_DELIVERY_ALLOWED)	ORDERS - ALI - DE4183(X2 = Backorders accepted)	ORDERS - ALI - DE4183(X2 = Backorders accepted)	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
Buyer GLN	buyer	Buyer party identification	M	/multiShipmentOrder/orderPartyInformation/buyer/gln	ORDERS - SG2 - NAD - DE3035(BY) + C082 - DE3039 + C082 - DE3055(9)	ORDERS - SG2 - NAD - DE3035(BY) + C082 - DE3039 + C082 - DE3055(9)	√	
Buyer Additional ID	additionalPartyIdentification	Non GLN Buyer identification	O	/multiShipmentOrder/orderPartyInformation/buyer/additionalPartyIdentification/additionalPartyIdentificationValue + /multiShipmentOrder/orderPartyInformation/buyer/additionalPartyIdentification/additionalPartyIdentificationType(BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY)	ORDERS - SG2 - NAD - DE3035(BY) + C082 - DE3039 + C082 - DE3055(92 ⁴)	ORDERS - SG2 - NAD - DE3035(BY) + C082 - DE3039 + C082 - DE3055(92 ⁴)	√	
Buyer Name	additionalPartyIdentification	Non GLN Buyer identification	O	multiShipmentOrder/orderPartyInformation/buyer/additionalPartyIdentification/additionalPartyIdentificationValue + /multiShipmentOrder/orderPartyInformation/buyer/additionalPartyIdentification/additionalPartyIdentificationType (Code pending Change Request)	ORDERS - SG2 - NAD - DE3035(BY) + C080 - DE3036	ORDERS - SG2 - NAD - DE3035(BY) + C080 - DE3036	√	
Name of person creating the order	orderContact	Department or person responsible for issuing the order	O	multiShipmentOrder/orderPartyInformation/orderContact/personOrDepartmentName/description/language/languageISOCode + multiShipmentOrder/orderPartyInformation/orderContact/personOrDepartmentName/description/text	ORDERS - SG5 - CTA - DE3139 (PD) + C056 - DE3412	ORDERS - SG5 - CTA - DE3139 (PD) + C056 - DE3412	√	
Telephone number of person creating the order	communicationNumber	Number assigned to a specific means of communication	O	multiShipmentOrder/orderPartyInformation/orderContact/communicationChannel-attributes: communicationChannel (TELEPHONE)+ multiShipmentOrder/orderPartyInformation/orderContact/communicationChannel-attributes: communicationNumber	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
Fax number of person creating the order	communicationNumber	Number assigned to a specific means of communication	O	multiShipmentOrder/orderPartyInformation/orderContact/communicationChannel-attributes: communicationChannel (TELEFAX) + multiShipmentOrder/orderPartyInformation/orderContact/communicationChannel-attributes: communicationNumber	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	√	
Email address of person creating the order	communicationNumber	Number assigned to a specific means of communication	O	multiShipmentOrder/orderPartyInformation/orderContact/communicationChannel-attributes: communicationChannel (EMAIL)+ multiShipmentOrder/orderPartyInformation/orderContact/communicationChannel-attributes: communicationNumber	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(EM)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(EM)	√	
Supplier/Seller GLN	seller	Seller party identification	M	/multiShipmentOrder/orderPartyInformation/seller/gln	ORDERS - SG2 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(9)	ORDERS - SG2 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(9)	√	
Supplier/Seller internal ID	additionalPartyIdentification	Non GLN Seller identification	O	/multiShipmentOrder/orderPartyInformation/seller/additionalPartyIdentificationValue + /multiShipmentOrder/orderPartyInformation/seller/additionalPartyIdentification/additionalPartyIdentificationType(SELLER_ASSIGNED_IDENTIFIER_FOR_A_PARTY)	ORDERS - SG2 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(91 ⁴)	ORDERS - SG2 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(91 ⁴)	√	
Buyer's Seller Additional ID	additionalPartyIdentification	Non GLN Seller identification	O	/multiShipmentOrder/orderPartyInformation/seller/additionalPartyIdentification/additionalPartyIdentificationValue + /multiShipmentOrder/orderPartyInformation/seller/additionalPartyIdentification/additionalPartyIdentificationType(BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY)	ORDERS - SG2 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(92 ⁴)	ORDERS - SG2 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(92 ⁴)	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
Supplier/Seller name			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(SU) + C080 - DE3036	ORDERS - SG2 - NAD - DE3035(SU) + C080 - DE3036	√	
Supplier/Seller contact name			O	Pending Change Request	ORDERS - SG5 - CTA - DE3139 (OC) + C056 - DE3412	ORDERS - SG5 - CTA - DE3139 (OC) + C056 - DE3412	√	
Supplier/Seller phone number			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	√	
Supplier/Seller fax number			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	√	
Supplier/Seller email			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(EM)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(EM)	√	
Bill To GLN	billTo	Identifies the party which receives invoice	M	/multiShipmentOrder/orderPartyInformation/billTo/gln	ORDERS - SG2 - NAD - DE3035(IV) + C082 - DE3039 + C082 - DE3055 (9)	ORDERS - SG2 - NAD - DE3035(IV) + C082 - DE3039 + C082 - DE3055 (9)	√	
Bill To additional ID	additionalPartyIdentification	A party identifier that is in addition to the GLN	O	/multiShipmentOrder/orderPartyInformation/billTo/additionalPartyIdentification/additionalPartyIdentificationValue + /multiShipmentOrder/orderPartyInformation/billTo/additionalPartyIdentification/additionalPartyIdentificationType(BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY)	ORDERS-SG2-NAD-DE3035(IV) + C082 - DE3039 + C082 - DE3055(92 ⁴)	ORDERS-SG2-NAD-DE3035(IV) + C082 - DE3039 + C082 - DE3055(92 ⁴)	√	
Bill To name	additionalPartyIdentification	A party identifier that is in addition to the GLN	O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(IV) + C080 - DE3036	ORDERS - SG2 - NAD - DE3035(IV) + C080 - DE3036	√	
Bill To address line 1			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(IV) +	ORDERS - SG2 - NAD - DE3035(IV) +	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
					C059 - DE3042	C059 - DE3042		
Bill To address line 2			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(IV) + C059 - DE3042	ORDERS - SG2 - NAD - DE3035(IV) + C059 - DE3042	√	
Bill To city name			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(IV) + DE3164	ORDERS - SG2 - NAD - DE3035(IV) + DE3164	√	
Bill To state in clear text			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(IV) + DE3229	ORDERS - SG2 - NAD - DE3035(IV) + C819 - DE3228	X	In 2002, DE3228 has become part of a Composite Element C819 which is used to specify country sub-entity details.
Bill To post code			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(IV) + DE3251	ORDERS - SG2 - NAD - DE3035(IV) + DE3251	√	
Bill To country code			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(IV) + DE3207	ORDERS - SG2 - NAD - DE3035(IV) + DE3207	√	
Bill To contact name			O	Pending Change Request	ORDERS - SG5 - CTA - DE3139 (PD) + C056 - DE3412	ORDERS - SG5 - CTA - DE3139 (PD) + C056 - DE3412	√	
Bill To telephone number			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	√	
Bill To fax number			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	√	
Bill To email address			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 -	ORDERS - SG5 - COM - C076 - DE3148 + C076 -	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
					DE3155(EM)	DE3155(EM)		
Ship To GLN	shipTo	The location destination to which goods will be shipped	D ¹	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipTo/gln	ORDERS - SG2 - NAD - DE3035 (ST) + C082 - DE3039 + C082 - DE3055 (9)	ORDERS - SG2 - NAD - DE3035 (ST) + C082 - DE3039 + C082 - DE3055 (9)	√	
Ship To additional ID	additionalPartyIdentification	Non GLN identification of the location destination to which goods will be shipped	O	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipTo/additionalPartyIdentification/additionalPartyIdentificationValue + /multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipTo/additionalPartyIdentification/additionalPartyIdentificationType = BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY	ORDERS-SG2-NAD-DE3035(ST) + C082 - DE3039 + C082 - DE3055(92 ⁴)	ORDERS-SG2-NAD-DE3035(ST) + C082 - DE3039 + C082 - DE3055(92 ⁴)	√	
Ship To name			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(ST) + C080 - DE3036	ORDERS - SG2 - NAD - DE3035(ST) + C080 - DE3036	√	
Ship To address line 1			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(ST) + C059 - DE3042	ORDERS - SG2 - NAD - DE3035(ST) + C059 - DE3042	√	
Ship To address line 2			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(ST) + C059 - DE3042	ORDERS - SG2 - NAD - DE3035(ST) + C059 - DE3042	√	
Ship To city name			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(ST) + DE3164	ORDERS - SG2 - NAD - DE3035(ST) + DE3164	√	
Ship To state in clear text			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(ST) + DE3229	ORDERS - SG2 - NAD - DE3035(ST) + C819 - DE3228	X	In 2002, DE3228 has become part of a Composite Element C819 which is used to specify country sub-

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
								entity details.
Ship To state postcode			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(ST) + DE3251	ORDERS - SG2 - NAD - DE3035(ST) + DE3251	√	
Ship To state country code			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(ST) + DE3207	ORDERS - SG2 - NAD - DE3035(ST) + DE3207	√	
Ship To contact			O	Pending Change Request	ORDERS - SG5 - CTA - DE3139 (OC) + C056 - DE3412	ORDERS - SG5 - CTA - DE3139 (OC) + C056 - DE3412	√	
Ship To telephone number			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	√	
Ship To fax number			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	√	
Ship To fax email address			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(EM)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(EM)	√	
Non commercial delivery site name	name	The destination location to which goods will be shipped when the ship-to party cannot be prealigned due to the business relationship	D ²	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/nameAndAddress/name + /multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/nameAndAddress/languageOfTheParty/languageISOCode	ORDERS - SG2 - NAD - DE 3035(UD) + C080 - DE3036	ORDERS - SG2 - NAD - DE 3035(UD) + C080 - DE3036	√	
Non commercial delivery site address line 1	streetAddressOne	The first free form line of an address	D ²	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/nameAndAddress/streetAddressOne	ORDERS - SG2 - NAD - DE3035(UD) + C059 - DE3042	ORDERS - SG2 - NAD - DE3035(UD) + C059 - DE3042	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
Non commercial delivery site address line 2	streetAddressTwo	The second free form line of an address	D ²	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/nameAndAddress/streetAddressTwo	ORDERS - SG2 - NAD - DE3035(UD) + C059 - DE3042	ORDERS - SG2 - NAD - DE3035(UD) + C059 - DE3042	√	
Non commercial delivery site city	city	An inhabited place of greater size, population, or importance than a town or village where the initial ship to location took place	D ²	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/nameAndAddress/city	ORDERS - SG2 - NAD - DE3035(UD) + DE3164	ORDERS - SG2 - NAD - DE3035(UD) + DE3164	√	
Non commercial delivery site state in clear text	state	One of the constituent units of a nation having a federal government	D ²	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/nameAndAddress/state	ORDERS - SG2 - NAD - DE3035(UD) + DE3229	ORDERS - SG2 - NAD - DE3035(UD) + C819 - DE3228	X	In 2002, DE3228 has become part of a Composite Element C819 which is used to specify country sub-entity details.
Non commercial delivery site postal code	postalCode	Code defining international postal zone code	D ²	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/nameAndAddress/postalCode	ORDERS - SG2 - NAD - DE3035(UD) + DE3251	ORDERS - SG2 - NAD - DE3035(UD) + DE3251	√	
Non commercial delivery site country code	countryCode	ISO 3661-1 Country Code associated with consignee address	D ²	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/countryCode/countryISOCCode	ORDERS - SG2 - NAD - DE3035(UD) + DE3207	ORDERS - SG2 - NAD - DE3035(UD) + DE3207	√	
Non commercial delivery site contact name	personOrDepartmentName	The name of the individual or department that can be contacted to provide additional information	O	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/contact/personOrDepartmentName/description/text + /multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/contact/personOrDepartmentName/description/language/languageISOCCode	ORDERS - SG5 - CTA - DE3139 (OC) + C056 - DE3412	ORDERS - SG5 - CTA - DE3139 (OC) + C056 - DE3412	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
Non commercial delivery site contact phone number	communicationChannel	Number assigned to a specific means of communication	O	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/contact/communicationChannel/attributes-communicationNumber + /multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/contact/communicationChannel/attributes-communicationChannelCode(TELEPHONE)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	√	
Non commercial delivery site contact fax number	communicationChannel	Number assigned to a specific means of communication	O	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/contact/communicationChannel/attributes-communicationNumber + /multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipToNonCommercial/contact/communicationChannel/attributes-communicationChannelCode(TELEFAX)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	√	
Non commercial delivery site contact email address					ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(EM)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(EM)	√	
Ship From GLN number	shipFrom	Identifies the origin location where the goods will be shipped	D ³	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipFrom/gln	ORDERS - SG2 - NAD - DE 3035(SF) + C082 - DE3039 + C082 -DE3055 (9)	ORDERS - SG2 - NAD - DE 3035(SF) + C082 - DE3039 + C082 -DE3055 (9)	√	
Ship From code as assigned by the buyer	additionalPartyIdentification	Non GLN identification of the origin location where the goods will be shipped	O	/multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipFrom/additionalPartyIdentification/additionalPartyIdentificationValue + /multiShipmentOrder/orderLogisticalInformation/shipToLogistics/shipFrom/additionalPartyIdentification/additionalPartyIdentificationType(BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY)	ORDERS - SG2 - NAD - DE3035(SF) + C082 - DE3039 + C082 - DE3055(92 ⁴)	ORDERS - SG2 - NAD - DE3035(SF) + C082 - DE3039 + C082 - DE3055(92 ⁴)	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
Ship From name			O	Pending Change Request	ORDERS - SG2 - NAD - DE3035(SF) + C080 - DE3036	ORDERS - SG2 - NAD - DE3035(SF) + C080 - DE3036	√	
Ship From address line1			O	Pending Change Request	ORDERS - SG2 - NAD - DE 3035(SF) + C059 - DE3042	ORDERS - SG2 - NAD - DE 3035(SF) + C059 - DE3042	√	
Ship From address line2			O	Pending Change Request	ORDERS - SG2 - NAD - DE 3035(SF) + C059 - DE3042	ORDERS - SG2 - NAD - DE 3035(SF) + C059 - DE3042	√	
Ship From city			O	Pending Change Request	ORDERS - SG2 - NAD - DE 3035(SF) + DE3164	ORDERS - SG2 - NAD - DE 3035(SF) + DE3164	√	
Ship From state in clear text			O	Pending Change Request	ORDERS - SG2 - NAD - DE 3035(SF) + DE3229	ORDERS - SG2 - NAD - DE3035(SF) + C819 - DE3228	X	In 2002, DE3228 has become part of a Composite Element C819 which is used to specify country sub-entity details.
Ship From postal code			O	Pending Change Request	ORDERS - SG2 - NAD - DE 3035(SF) + DE3251	ORDERS - SG2 - NAD - DE 3035(SF) + DE3251	√	
Ship From country code			O	Pending Change Request	ORDERS - SG2 - NAD - DE 3035(SF) + DE3207	ORDERS - SG2 - NAD - DE 3035(SF) + DE3207	√	
Ship From contact name			O	Pending Change Request	ORDERS - SG5 - CTA - DE3139 (OC) + C056 - DE3412	ORDERS - SG5 - CTA - DE3139 (OC) + C056 - DE3412	√	
Ship From contact telephone number			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(TE)	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
Ship From contact fax number			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(FX)	√	
Ship From contact email address			O	Pending Change Request	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(EM)	ORDERS - SG5 - COM - C076 - DE3148 + C076 - DE3155(EM)	√	
Requested Delivery Date of the order	requestedDeliveryDate	Provides the date and optional time on which the goods are requested to be delivered	O (M in GS 1 XML)	/multiShipmentOrder/orderLogisticalInformation/orderLogisticalDateGroup/requestedDeliveryDate/date	ORDERS - DTM - C507 - DE2005(2) + C507 - DE2380+ C507 - DE2379	ORDERS - DTM - C507 - DE2005(2) + C507 - DE2380+ C507 - DE2379	√	
Earliest date on which the goods are requested to be delivered	earliestDate	Provides the earliest date on which the goods are requested to be delivered to the Ultimate Consignee	O	/multiShipmentOrder/orderLogisticalInformation/orderLogisticalDateGroup/requestedDeliveryDateRangeAtUltimateConsignee/earliestDate	ORDERS - DTM - C507 - DE2005(64) + C507 - DE2380 + C507 - DE2379	ORDERS - DTM - C507 - DE2005(64) + C507 - DE2380 + C507 - DE2379	√	
Latest date on which the goods are requested to be delivered	latestDate	Provides the latest date on which the goods are requested to be delivered to the Ultimate Consignee	O	/multiShipmentOrder/orderLogisticalInformation/orderLogisticalDateGroup/requestedDeliveryDateRangeAtUltimateConsignee/latestDate	ORDERS - DTM - C507 - DE2005(63) + C507 - DE2380 + C507 - DE2379	ORDERS - DTM - C507 - DE2005(63) + C507 - DE2380 + C507 - DE2379	√	
Reference number identifying trade agreement	tradeAgreementReferenceNumber	Unique number identifying a trade agreement that the order is referring to	O	/multiShipmentOrder/quoteNumber/tradeAgreementReferenceNumber	ORDERS - SG1 - RFF- C506 - DE1153(PD)+ C506 - DE1154	ORDERS - SG1 - RFF- C506 - DE1153(PD)+ C506 - DE1154	√	
Additional order instruction	additionalOrderInstruction	Used to provide free form or coded text information for the entire purchase order	O	/multiShipmentOrder/additionalOrderInstruction/longText	ORDERS - FTX - DE4451(DEL) + C108 - DE4440	ORDERS - FTX - DE4451(DEL) + C108 - DE4440	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
LINE LEVEL							√	
Number of the order line within purchase order	number		M	/multiShipmentOrder/multiShipmentOrderLineItem/attributes-number	ORDERS - SG25 - LIN - DE1082	ORDERS - SG28 - LIN - DE1082	X	There is only Segment Group difference
Global Trade Item Number	gtin	Provides the Global Trade Item Number (GTIN) as the unique identifier for the item	M	/multiShipmentOrder/multiShipmentOrderLineItem/tradeItemIdentification/gtin	ORDERS - SG25 - LIN - C212 - DE7140 + C212 - DE7143(EN)	ORDERS - SG28 - LIN - C212 - DE7140 + C212 - DE7143(SRV)	X	There is only Segment Group difference and code SRV is used in replace of EN to identify GTIN
Buyer assigned additional item identification	additionalTradeItemIdentificationValue	Alternative means to the GTIN to identify a trade item	O	/multiShipmentOrder/multiShipmentOrderLineItem/tradeItemIdentification/additionalTradeItemIdentificationValue + /multiShipmentOrder/multiShipmentOrderLineItem/tradeItemIdentification/additionalTradeItemIdentificationType(BUYER_ASSIGNED)	ORDERS - SG25 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(IN)	ORDERS - SG28 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(IN)	X	There is only Segment Group difference
Seller assigned additional item identification.	additionalTradeItemIdentificationValue	Alternative means to the GTIN to identify a trade item	O	/multiShipmentOrder/multiShipmentOrderLineItem/tradeItemIdentification/additionalTradeItemIdentificationValue + /multiShipmentOrder/multiShipmentOrderLineItem/tradeItemIdentification/additionalTradeItemIdentificationType(SUPPLIER_ASSIGNED)	ORDERS - SG25 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(SA)	ORDERS - SG28 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(SA)	X	There is only Segment Group difference
Product description			O	Pending Change Request	ORDERS - SG25 - IMD - DE7077(F) + C273 - DE7009 + C273 - DE7008	ORDERS - SG28 - IMD - DE7077(F) + C273 - DE7009 + C273 - DE7008	X	There is only Segment Group difference

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
Quantity of the product that has been requested to be delivered	requestedQuantity	The quantity which has been requested	M	/multiShipmentOrder/multiShipmentOrderLineItem/requestedQuantity/value	ORDERS - SG25 - QTY - C186 - DE6063(21) + C186 - DE6060	ORDERS - SG28 - QTY - C186 - DE6063(21) + C186 - DE6060	X	There is only Segment Group difference
Unit of measure code	unitOfMeasure	Reference to a unit of measure code that applies to the quantities value	O	/multiShipmentOrder/multiShipmentOrderLineItem/requestedQuantity/unitOfMeasure/measurementUnitCodeValue	ORDERS - SG25 - QTY - C186 - DE6411	ORDERS - SG28 - QTY - C186 - DE6411	X	There is only Segment Group difference
Item net price (excl. GST)	netPrice	Identifies the net price of the item	O	/multiShipmentOrder/multiShipmentOrderLineItem/netPrice/amount/monetaryAmount + /multiShipmentOrder/multiShipmentOrderLineItem/netPrice/amount/currencyCode/currencyISOCode	ORDERS - SG28 - PRI - C509 - DE5125(AAA)+ C509 - DE5118	ORDERS - SG32 - PRI - C509 - DE5125(AAA)+ C509 - DE5118	X	There is only Segment Group difference
Tax rate for the line	taxRate	The current tax or duty rate percentage applicable to the item	O	/multiShipmentOrder/multiShipmentOrderLineItem/attributes-taxRate	ORDERS - SG34 - TAX - DE5283(7)+ C243 - DE5278	ORDERS - SG38 - TAX - DE5283(7)+ C243 - DE5278	X	There is only Segment Group difference
Net line amount (excl. GST)	netAmount	Identifies the net amount of the item	O	/multiShipmentOrder/multiShipmentOrderLineItem/netAmount/amount/monetaryAmount + /multiShipmentOrder/multiShipmentOrderLineItem/netAmount/amount/currencyCode/currencyISOCode	ORDERS - SG34 - MOA - C516 - DE5025(203)+ C516 - DE5004	ORDERS - SG38 - MOA - C516 - DE5025(203)+ C516 - DE5004	X	There is only Segment Group difference
Comments/additional line instructions	additionalOrderLineInstruction	Additional Order Line Instruction captures information that has not been previously synchronised and is ad-hoc in nature. This field should only be used in exception circumstances if the information cannot be codified	O	/multiShipmentOrder/multiShipmentOrderLineItem/additionalOrderLineInstruction/longText + /multiShipmentOrder/multiShipmentOrderLineItem/additionalOrderLineInstruction/language/languageISOCode	ORDERS - SG25 - FTX - DE4451 + C108 - DE4440	ORDERS - SG28 - FTX - DE4451 + C108 - DE4440	X	There is only Segment Group difference

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance detail
Location of delivery where there are multiple store deliveries involved	shipTo	The location destination to which goods will be shipped	O	/multiShipmentOrder/multiShipmentOrderLineItem/shipmentDetail/shipTo/gln	ORDERS - SG33 - LOC - DE3227(7) + C517 - DE3225 + C517 - DE3055(9)	ORDERS - SG37 - LOC - DE3227(7) + C517 - DE3225 + C517 - DE3055(9)	X	There is only Segment Group difference
Date to specify the delivery date for each split delivery item	requestedDeliveryDate	Provides the date and optional time on which the goods are requested to be delivered	O	/multiShipmentOrder/multiShipmentOrderLineItem/shipmentDetail/orderLogisticalDateGroup/requestedDeliveryDate/date	ORDERS - SG33 - DTM - C507 - DE2005(2) + C507 - DE2380 + C507 - DE2379	ORDERS - SG37 - DTM - C507 - DE2005(2) + C507 - DE2380 + C507 - DE2379	X	There is only Segment Group difference
Promotion Deal Number	promotionalDeal	Number assigned by a vendor to a special promotion activity	O	/multiShipmentOrder/multiShipmentOrderLineItem/promotionalDeal/tradeAgreementReferenceNumber	ORDERS - SG29 - RFF - C506 - DE1153(PD) + C506 - DE1154	ORDERS - SG33 - RFF - C506 - DE1153(PD) + C506 - DE1154	X	There is only Segment Group difference
TRAILER/SUMMARY							√	
Total net amount for the order (excl. taxes)	totalMonetaryAmountOfOrder	The total monetary amount of the Purchase Order excluding all Taxes	O	/multiShipmentOrder/totalMonetaryAmountOfOrder/monetaryAmount + /multiShipmentOrder/totalMonetaryAmountOfOrder/currencyCode/currencyISOCode	ORDERS - MOA - C516 - DE5025 (128) + C516 - DE5004	ORDERS - MOA - C516 - DE5025 (128) + C516 - DE5004	√	
Total tax amount for the order	monetaryAmount	A numerical figure used to represent a monetary amount.	O	/multiShipmentOrder/totalTaxMonetaryAmountOfOrder/monetaryAmount	ORDERS - MOA - C516 - DE5025 (176) + C516 - DE5004	ORDERS - MOA - C516 - DE5025 (176) + C516 - DE5004	√	

3.1 Notes

¹ – shipTo is mandatory if order is to be delivered to a GLN identified location. Used instead of shipToNonCommercial location.

If shipToLogistics is used, either shipTo or shipToNonCommercial must be included in the message (GS1 XML rule).

² - shipToNonCommercial is mandatory if order is to be shipped to a non commercial location (used when the ship-to party cannot be prealigned). Used instead of shipTo location.

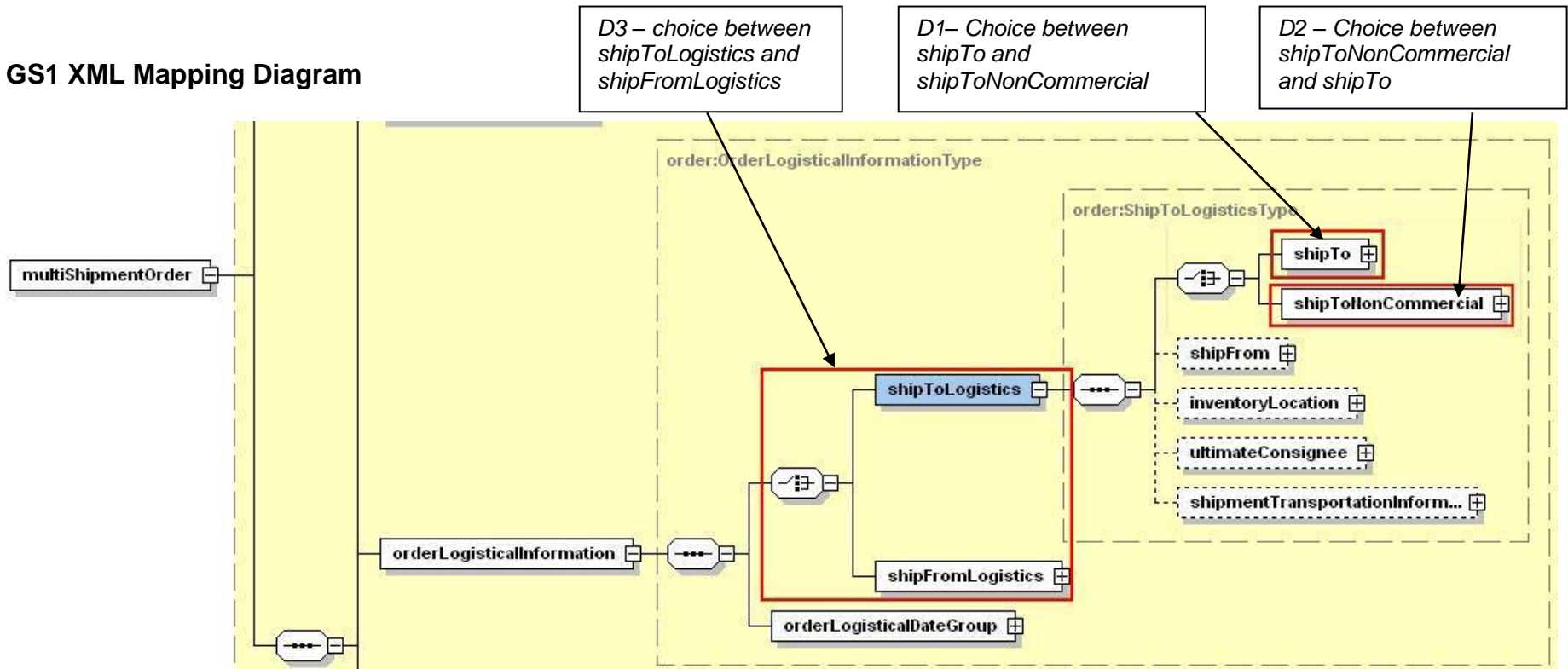
If shipToLogistics is used, either shipTo or shipToNonCommercial must be included in the message. (GS1 XML rule).

³ - shipFromLogistics is mandatory if shipToLogistics (shipTo or shipToNonCommercial) is not used. Optional if shipToLogistics is used (GS1 XML rule).

Please refer to the GS1 XML mapping diagram below for further details.

⁴ – Principles of GS1 System state that use of GLN is mandatory for the identification of relevant parties (e.g. buyer, seller, ship to, etc.). This is achieved by sending GLN in DE3039 in C082 in NAD segment and qualified with code 9 = EAN. Based on system limitations some organisations may be unable to supply and manage GLN's and hence codes 91 (Assigned by supplier or supplier's agent) and 92 (Assigned by buyer or buyer's agent) have been made available to users within the Hardware sector. The release of code 91 and 92 represents a deviation from the EANCOM recommendations and is seen as a short term solution to meet industry needs.

GS1 XML Mapping Diagram



Symbol	Description
	Choice, one and only one of the elements listed must be used
	Mandatory element (solid line)
	Optional element (dotted line)