



Hardware GS1 Action Group

Order Response Data Definitions Mapping

Version v2.0

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Document Change Control

Version #	Date	Nature of Change / Comments	Author
v0.1	16/07/09	Initial Draft	GS1
v1.0	22/09/09	Major changes incorporated following work group review	GS1
v2.0	25/01/12	Included EANCOM 2002 mappings, included UNB segment, highlighted differences between EANCOM 97 and 2002 releases	GS1

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Acknowledgements

This document guideline for the Australian Hardware Industry was developed by the Hardware GS1 Action Group for the harmonisation of data field requirements and definitions for electronic commerce.

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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 Order Response (also referred to as Purchase Order Acknowledgement) 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 Order Response 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 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. √ = no change, X = change;
- **Variance** – 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. /orderResponse;
- 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 column, 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. ORDRSP. 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 Response, follow the links to the global website and select Order Response.
- 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 Response can be found here:
http://www.gs1au.org/assets/documents/info/mig/mig_hware_p_order_resp.pdf

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

3 Order Response Mapping

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M / O	GS1 XML 2.5 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	ORDRSP - UNB - S002 - 0004 + S002 - 0007(14)	ORDRSP - 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	ORDRSP - UNB - S003 - 0010 + S003 - 0007(14)	ORDRSP - UNB - S003 - 0010 + S003 - 0007(14)	√	
Date/Time of message	DocumentIdentification	Date and time of the SBDH document creation	M	/StandardBusinessDocumentHeader/DocumentIdentification/CreationDateAndTime	ORDRSP - UNB - S004 - 0017 + S004 - 0019	ORDRSP - UNB - S004 - 0017 + S004 - 0019	√	
Interchange control	InstanceIdentifier	Unique instance identifier for the message	M	/StandardBusinessDocumentHeader/DocumentIdentification/InstanceIdentifier	ORDRSP - UNB - S004 - 0020	ORDRSP - UNB - S004 - 0020	√	
Purchase Order Response Number	responseIdentification	The identification of the response document	M	/orderResponse/responseIdentification/uniqueCreatorIdentification	ORDRSP - BGM - DE1004	ORDRSP - BGM - C002 - DE1001(231) + C106 - DE1004	X	In 2002, DE1004 has become a component of the Composite Element C106
Purchase Order Response Date	creationDateTime	This is the date the message was created	M	/orderResponse/attributes - creationDateTime	ORDRSP - DTM - C507 - DE2005(137) + C507 - DE2380 + C507 - DE2379	ORDRSP - DTM - C507 - DE2005(137) + C507 - DE2380 + C507 - DE2379	√	
Date the order response was updated	lastUpdateDate	Last update date for the specific document	O	/orderResponse/attributes - lastUpdateDate			√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M / O	GS1 XML 2.5 mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance Detail
Original Purchase Order Number	referenceIdentification	Unique identification of the entity referenced	M	/orderResponse/responseToOriginalDocument/referenceDocumentType + /orderResponse/responseToOriginalDocument/referenceIdentification	ORDRSP - SG1 - RFF - C506 - DE1153(ON) + C506 - DE1154	ORDRSP - SG1 - RFF - C506 - DE1153(ON) + C506 - DE1154	√	
Original Purchase Order Date	referenceDateTime	The date, time or date time related to a referenced document or message	O	/orderResponse/responseToOriginalDocument/referenceDateTime	ORDRSP - SG1 - DTM - C507 - DE2005(171) + C507 - DE2380 + C507 - DE2379	ORDRSP - SG1 - DTM - C507 - DE2005(171) + C507 - DE2380 + C507 - DE2379	√	
Purchase Order Response Status. (ACCEPTED,MODIFIED, REJECTED)	responseStatusType	Unique type of response to a document referenced	M	/orderResponse/attributes - responseStatusType	ORDRSP - BGM - DE4343	ORDRSP - BGM - DE4343	√	
Purchase Order Response Reason Code(Change, Accepted without amendment, Not accepted)	Code identifying the reason for the order response rejection or modification.	Response Reason Code	O	/orderResponse/orderResponseReasonCode	ORDRSP - BGM - DE1225	ORDRSP - BGM - DE1225	√	
Buyer GLN. Identifies the Party to which merchandise is sold	gln	Global Location Number	M	/orderResponse/buyer/gln	ORDRSP - SG3 - NAD - DE3035(BY) + C082 - DE3039 + C082 - DE3055(9)	ORDRSP - SG3 - NAD - DE3035(BY) + C082 - DE3039 + C082 - DE3055(9)	√	
Buyer Additional ID, assigned by Buyer	additionalPartyIdentification	A party identifier that is in addition to the GLN	O	/orderResponse/buyer/additionalPartyIdentification/additionalPartyIdentificationValue + /orderResponse/buyer/additionalPartyIdentification/additionalPartyIdentificationType(BUYER_AS_SIGNED_IDENTIFIER_FOR_A_PARTY)	ORDRSP - SG3 - NAD - DE3035(BY) + C082 - DE3039 + C082 - DE3055(92 ¹)	ORDRSP - SG3 - NAD - DE3035(BY) + C082 - DE3039 + C082 - DE3055(92 ¹)	√	
Buyer Name.			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(BY)	ORDRSP - SG3 - NAD - DE3035(BY)	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M / O	GS1 XML 2.5 mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance Detail
					+ C080 - DE3036	+ C080 - DE3036		
Buyer address line 1			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(BY) + C059 - DE3042	ORDRSP - SG3 - NAD - DE3035(BY) + C059 - DE3042	√	
Buyer address line 2			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(BY) + C059 - DE3042	ORDRSP - SG3 - NAD - DE3035(BY) + C059 - DE3042	√	
Buyer city name			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(BY) + DE3164	ORDRSP - SG3 - NAD - DE3035(BY) + DE3164	√	
Buyer state in clear text			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(BY) + DE3229	ORDRSP - SG3 - NAD - DE3035(BY) + C819 - DE3228	X	In 2002, DE3228 has become part of a Composite Element C819 which is used to specify country sub-entity details.
Buyer post code			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(BY) + DE3251	ORDRSP - SG3 - NAD - DE3035(BY) + DE3251	√	
Buyer country code			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(BY) + DE3207	ORDRSP - SG3 - NAD - DE3035(BY) + DE3207	√	
Order contact			O	Pending Change Request	ORDRSP - SG6 - CTA - DE3139(PD) + C056 - DE3412	ORDRSP - SG6 - CTA - DE3139(PD) + C056 - DE3412	√	
Order contact telephone number			O	Pending Change Request	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(TE)	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(TE)	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M / O	GS1 XML 2.5 mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance Detail
Order contact fax number			O	Pending Change Request	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(FX)	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(FX)	√	
Order contact email address			O	Pending Change Request	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(EM)	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(EM)	√	
Seller GLN. Identifies the Party, which sells products or services to a buyer	gln	Global Location Number	M	/orderResponse/seller/gln	ORDRSP - SG3 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(9)	ORDRSP - SG3 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(9)	√	
Seller Additional ID, assigned by Seller	additionalPartyIdentification	A party identifier that is in addition to the GLN	O	/orderResponse/seller/additionalPartyIdentification/additionalPartyIdentificationValue + /orderResponse/seller/additionalPartyIdentification/additionalPartyIdentificationType(SELLER_AS_SIGNED_IDENTIFIER_FOR_A_PARTY)	ORDRSP - SG3 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(91 ¹)	ORDRSP - SG3 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(91 ¹)	√	
Seller Additional ID, assigned by Buyer	additionalPartyIdentification	A party identifier that is in addition to the GLN	O	/orderResponse/seller/additionalPartyIdentification/additionalPartyIdentificationValue + /orderResponse/seller/additionalPartyIdentification/additionalPartyIdentificationType(BUYER_AS_SIGNED_IDENTIFIER_FOR_A_PARTY)	ORDRSP - SG3 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(92 ¹)	ORDRSP - SG3 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(92 ¹)	√	
Seller Name			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(SU) + C080 - DE3036	ORDRSP - SG3 - NAD - DE3035(SU) + C080 - DE3036	√	
Seller address line 1			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(SU) + C059 - DE3042	ORDRSP - SG3 - NAD - DE3035(SU) + C059 - DE3042	√	
Seller address line 2			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(SU) +	ORDRSP - SG3 - NAD - DE3035(SU) +	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M / O	GS1 XML 2.5 mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance Detail
					C059 - DE3042	C059 - DE3042		
Seller city name			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(SU) + DE3164	ORDRSP - SG3 - NAD - DE3035(SU) + DE3164	√	
Seller state in clear text			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(SU) + DE3229	ORDRSP - SG3 - NAD - DE3035(SU) + C819 - DE3228	X	In 2002, DE3228 has become part of a Composite Element C819 which is used to specify country sub-entity details.
Seller post code			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(SU) + DE3251	ORDRSP - SG3 - NAD - DE3035(SU) + DE3251	√	
Seller country code			O	Pending Change Request	ORDRSP - SG3 - NAD - DE3035(SU) + DE3207	ORDRSP - SG3 - NAD - DE3035(SU) + DE3207	√	
Order contact			O	Pending Change Request	ORDRSP - SG6 - CTA - DE3139(OC) + C056 - DE3412	ORDRSP - SG6 - CTA - DE3139(OC) + C056 - DE3412	√	
Order contact telephone number			O	Pending Change Request	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(TE)	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(TE)	√	
Order contact fax number			O	Pending Change Request	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(FX)	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(FX)	√	
Order contact email address			O	Pending Change Request	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(EM)	ORDRSP - SG6 - COM - C076 - DE3148 + C076 - DE3155(EM)	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M / O	GS1 XML 2.5 mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance Detail
Proposed order delivery date	requestedDeliveryDate	Provides the date and optional time on which the goods are requested to be delivered	O	/orderResponse/orderModification/amendedDateTimeValue/requestedDeliveryDate	ORDRSP - DTM - C507 - DE2005(76) + C507 - DE2380 + C507 - DE2379	ORDRSP - DTM - C507 - DE2005(76) + C507 - DE2380 + C507 - DE2379	√	
Total amount excluding GST	monetaryAmount	A numerical figure used to represent a flat monetary amount	O	/orderResponse/totalMonetaryAmountOfOrderExcludingTaxes/currencyCode/currencyISOCODE+/orderResponse/totalMonetaryAmountOfOrderExcludingTaxes/monetaryAmount	ORDRSP - MOA - C516 - DE5025(128) + C516 - DE5004	ORDRSP - MOA - C516 - DE5025(128) + C516 - DE5004	√	
Comments			O	Pending Change Request	ORDRSP - FTX - DE4451 + C108 - 4440	ORDRSP - FTX - DE4451 + C108 - 4440	√	
LINE LEVEL								
Line number	number	<i>Order response line number</i>	M	/orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/attributes - number	ORDRSP - SG26 - LIN - DE1082	ORDRSP - SG26 - LIN - DE1082	√	
Original purchase order line number	originalOrderLineItemNumber* *available in 2.6 release	A reference to the original Order line item number.	O	/orderResponse/orderModification/orderModificationLineItemLevel/attributes - originalOrderLineItemNumber	ORDRSP - SG26 - RFF - C506 - DE1153(ON) + C506 - DE1154 + C506 - DE1156	ORDRSP - SG26 - RFF - C506 - DE1153(ON) + C506 - DE1154 + C506 - DE1156	√	
Global Trade Item Number	gtin	Global Trade Item Number	M	/orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/tradeItemIdentification/gtin	ORDRSP - SG26 - LIN - DE1229 + C212 - DE7140 + C212 - 7143(EN)	ORDRSP - SG26 - LIN - DE1229 + C212 - DE7140 + C212 - 7143(SRV)	X	Code SRV is used in replace of EN to identify GTIN

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M / O	GS1 XML 2.5 mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance Detail
Product identification assigned by the Buyer	additionalTradeItemIdentificationValue	Alternative means to the GTIN to identify a trade item	O	/orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/tradeItemIdentification/additionalTradeItemIdentification/additionalTradeItemIdentificationValue + /orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/tradeItemIdentification/additionalTradeItemIdentification/additionalTradeItemIdentificationType(BUYER_ASSIGNED)	ORDRSP - SG26 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(IN)	ORDRSP - SG26 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(IN)	√	
Product identification assigned by the Seller	additionalTradeItemIdentificationValue	Alternative means to the GTIN to identify a trade item	O	/orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/tradeItemIdentification/additionalTradeItemIdentification/additionalTradeItemIdentificationValue + /orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/tradeItemIdentification/additionalTradeItemIdentification/additionalTradeItemIdentificationType(SELLER_ASSIGNED)	ORDRSP - SG26 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(SA)	ORDRSP - SG26 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(SA)	√	
Product description			O	Pending Change Request	ORDRSP - SG26 - IMD - DE7077(F) + C273 - DE7009 + C273 - DE7008	ORDRSP - SG26 - IMD - DE7077(F) + C273 - DE7009 + C273 - DE7008	√	
Quantity To Be Delivered. The modified quantity which has been proposed by the Supplier	requestedQuantity	The quantity which has been requested	O	/orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/requestedQuantity/value	ORDRSP - SG26 - QTY - C186 - DE6063(113) + C186 - DE6060 113 = Quantity to be delivered	ORDRSP - SG26 - QTY - C186 - DE6063(113) + C186 - DE6060 113 = Quantity to be delivered	√	
Unit of measure which product is distributed as	unitOfMeasure	Reference to a unit of measure code that applies to the quantities value	O	/orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/requestedQuantity/unitOfMeasure/measurementUnitCodeValue	ORDRSP - SG26 - QTY - C186 - DE6411	ORDRSP - SG26 - QTY - C186 - DE6411	√	

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M / O	GS1 XML 2.5 mapping	EANCOM 97 mapping	EANCOM 2002 mapping	97 vs '02	Variance Detail
Item price excluding GST	netPrice	Identifies the net price of the item	O	/orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/netPrice/amount/monetaryAmount + /orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/netPrice/amount/currencyCode/currencyISOCode	ORDRSP - SG30 - PRI - C509 - DE5125(AAA) + C509 - DE5118	ORDRSP - SG30 - PRI - C509 - DE5125(AAA) + C509 - DE5118	√	
Line value excluding GST	netAmount	Identifies the net amount of the item	O	/orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/netAmount/amount/monetaryAmount + /orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/netAmount/amount/currencyCode/currencyISOCode	ORDRSP - SG26 - MOA - C516 - DE5025(203) + C516 - DE5004	ORDRSP - SG26 - MOA - C516 - DE5025(203) + C516 - DE5004	√	
Line comments	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.Examples	O	/orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/additionalOrderLineInstruction/longText + /orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/additionalOrderLineInstruction/language/languageISOCode	ORDRSP - SG26 - FTX - DE4451 + C108 - DE4440	ORDRSP - SG26 - FTX - DE4451 + C108 - DE4440	√	
Line Item Action Code (CHANGED, DELETED, NOT_AMENDED)	lineItemActionCode	Provides the activity required by the recipient on the line item of this order line item	M	/orderResponse/orderModification/orderModificationLineItemLevel/modifiedOrderInformation/lineItemActionCode	ORDRSP - SG26 - LIN - DE1229	ORDRSP - SG26 - LIN - DE1229	√	
Proposed delivery date	deliveryDateTime	Contains proposed delivery date for the line	O	/orderResponse/orderModification/orderModificationLineItemLevel/attributes-deliveryDateTime	ORDRSP - SG26 - DTM - C507 - DE2005(2) + C507-DE2380 + C507 - DE2379	ORDRSP - SG26 - DTM - C507 - DE2005(2) + C507-DE2380 + C507 - DE2379	√	

3.1 Notes

¹ – Principles of GS1 System state that use of GLN is mandatory for the identification of relevant parties (e.g. buyer, seller, 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.