



Hardware GS1 Action Group

Despatch Advice Data Definitions Mapping

Version 1.0

Disclaimer

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Document Change Control

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Contacts

The principle contacts with regard to the contents of this document are:

Australia
GS1 Australia Ltd
Telephone: 1300 366 033
Fax: (03) 9558 055
Email: gs1aust@gs1au.org
www.gs1au.org

New Zealand
GS1 New Zealand
Telephone (04) 494 1050
Fax: (04) 494 1051
Email: info@gs1nz.org
www.gs1nz.org

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The Hardware GS1 Action Group eCommerce Working Group includes the following organisations:

Name	Organisation
Smith, Matt Work Group Chair	Bunnings
Andronis, Con	John Danks
Bohra, Mannan	ITM
Bosson, Shaun	GS1 New Zealand
Brice, Peter	Orica Consumer Products
Colvin, Michael	Bunnings
Dunn, Don	ITW-Proline
Major, Marc	Bunnings
Morrison, Barbara	Carter Holt Harvey
Nickerson, Roger	Mitre 10 New Zealand
Plaksin, Leon	GS1 Australia
Rowland, Steve	GS1 New Zealand
Szabo, John	GS1 Australia
Tam, Janine	Mitre 10 Australia
Tapia, Marcel	BOC
Tom, Alison	Carter Holt Harvey

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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 Despatch Advice 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 both EANCOM 97 and GS1 XML v2.5.

2 How to read the Mapping

The table below is the HGAG Despatch Advice eCommerce data set. It consists of six 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.

2.1 GS1 XML v2.5 mapping

In the GS1 XML v2.5 mapping column of 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. /despatchAdvice;
- 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 mapping

In the EANCOM 97 mapping column of 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. DESADV. 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 Despatch Advice, follow the links to the global website and select Despatch Advice.
- 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 Despatch Advice can be found here:
http://www.gs1au.org/assets/documents/info/mig/mig_hware_despatch_ad.pdf

3 Despatch Advice Mapping

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML 2.5 mapping	EANCOM 97 mapping
HEADER LEVEL					
Despatch Advice number	despatchAdviceIdentification	Contains the unique identifier of the business document	M	/despatchAdvice/despatchAdviceIdentification/uniqueCreatorIdentification	DESADV - BGM - C002 - DE1001(351)+ DE1004
Despatch Advice creation date	creationDateTime	Date and time of creation of the referenced document	M	/despatchAdvice/attributes - creationDateTime	DESADV - DTM - C507 - DE2005(137) + C507 - DE2380
Receiver GLN - A party who engages in receiving goods	gln	Global Location Number	M	/despatchAdvice/receiver/gln	DESADV - SG2 - NAD - DE3035(BY) + C082 - DE3039 + C082 - DE3055(9)
Receiver additional identification	additionalPartyIdentificationValue	A party identifier that is in addition to the GLN	O	/despatchAdvice/receiver/additionalPartyIdentification/additionalPartyIdentificationValue + /despatchAdvice/receiver/additionalPartyIdentification/additionalPartyIdentificationType(BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY)	DESADV - SG2 - NAD - DE3035(BY) + C082 - DE3039 + C082 - DE3055(92 ¹)
Shipper GLN - A party who engages in shipping goods	gln	Global Location Number	M	/despatchAdvice/shipper/gln	DESADV - SG2 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(9)

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML 2.5 mapping	EANCOM 97 mapping
Shipper additional identification	additionalPartyIdentificationValue	A party identifier that is in addition to the GLN	O	/despatchAdvice/shipper/additionalPartyIdentification/additionalPartyIdentificationValue + /despatchAdvice/shipper/additionalPartyIdentification/additionalPartyIdentificationType(SELLER_ASSIGNED_IDENTIFIER_FOR_A_PARTY)	DESADV - SG2 - NAD - DE3035(SU) + C082 - DE3039 + C082 - DE3055(91 ¹)
Ship To GLN - Identification of the location to where goods will be or have been shipped	gln	Global Location Number	M	/despatchAdvice/shipTo/gln	DESADV - SG2 - NAD - DE3035(ST) + C082 - DE3039 + C082 - DE3055(9)
Ship To additional identification assigned by Seller	additionalPartyIdentificationValue	A party identifier that is in addition to the GLN	O	/despatchAdvice/shipTo/additionalPartyIdentification/additionalPartyIdentificationValue + /despatchAdvice/shipTo/additionalPartyIdentification/additionalPartyIdentificationType(SELLER_ASSIGNED_IDENTIFIER_FOR_A_PARTY)	DESADV - SG2 - NAD - DE3035(ST) + C082 - DE3039 + C082 - DE3055(91 ¹)
Ship To additional identification assigned by Buyer	additionalPartyIdentificationValue	A party identifier that is in addition to the GLN	O	/despatchAdvice/shipTo/additionalPartyIdentification/additionalPartyIdentificationValue + /despatchAdvice/shipTo/additionalPartyIdentification/additionalPartyIdentificationType(BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY)	DESADV - SG2 - NAD - DE3035(ST) + C082 - DE3039 + C082 - DE3055(92 ¹)
Ship To (store) name	name	The name of the party expressed in text	O	/despatchAdvice/shipToNameAndAddress/name	DESADV - SG2 - NAD - DE3035(ST) + C080 - DE3036
Ship To address line 1	streetAddressOne	The first free form line of an address	O	/despatchAdvice/shipToNameAndAddress/streetAddressOne	DESADV - SG2 - NAD - DE3035(ST) + C059 - DE3042
Ship To address line 2	streetAddressTwo	The second free form line of an address	O	/despatchAdvice/shipToNameAndAddress/streetAddressTwo	DESADV - SG2 - NAD - DE3035(ST) + C059 - DE3042

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML 2.5 mapping	EANCOM 97 mapping
Ship To city name	city	An inhabited place of greater size, population, or importance than a town or village	O	/despatchAdvice/shipToNameAndAddress/city	DESADV - SG2 - NAD - DE3035(ST) + DE3164
Ship To state in clear text	state	One of the constituent units of a nation having a federal government	O	/despatchAdvice/shipToNameAndAddress/state	DESADV - SG2 - NAD - DE3035(ST) + DE3229
Ship To post code	postalCode	Code defining international postal zone code	O	/despatchAdvice/shipToNameAndAddress/postalCode	DESADV - SG2 - NAD - DE3035(ST) + DE3251
Ship To country code	countryCode	Country Code associated with the party (ISO 3661-1)	O	/despatchAdvice/shipToNameAndAddress/countryCode	DESADV - SG2 - NAD - DE3035(ST) + DE3207
Ship From GLN - Identification of the location from where goods will be or have been shipped	gln	Global Location Number	O	/despatchAdvice/shipFrom/gln	DESADV - SG2 - NAD - DE3035(SF) + C082 - DE3039 + C082 - DE3055(9)
Ship From additional identification	additionalPartyIdentificationValue	A party identifier that is in addition to the GLN	O	/despatchAdvice/shipFrom/additionalPartyIdentification/additionalPartyIdentificationValue + /despatchAdvice/shipFrom/additionalPartyIdentification/additionalPartyIdentificationType(BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY)	DESADV - SG2 - NAD - DE3035(SF) + C082 - DE3039 + C082 - DE3055(91 ¹)
Delivery Date	estimatedDeliveryDateTime	The estimated date and time of delivery	O	/despatchAdvice/despatchInformation/estimatedDelivery/estimatedDeliveryDateTime	DESADV - DTM - C507 - DE2005(17) + C507 - DE2380

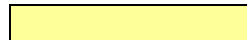
Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML 2.5 mapping	EANCOM 97 mapping
Despatch Date	actualShipDateTime	The date and time the goods were shipped	O	/despatchAdvice/despatchInformation/estimatedDelivery/actualShipDateTime	DESADV - DTM - C507 - DE2005(11) + C507 - DE2380
Original Purchase Order number	uniqueCreatorIdentification	Unique reference number to identify the receiver's purchase	M	/despatchAdvice/purchaseOrder/uniqueCreatorIdentification	DESADV - SG1 - RFF - C506 - DE1153(ON) + C506 - DE1154
Complete or split shipment			O	Pending Change Request	DESADV - ALI - DE4183(164) 164 = Complete Shipment 165 = Split Shipment
Consignment note number	consignmentIdentification	Number that identifies the consignment	O	/despatchAdvice/consignmentInformation/consignmentIdentification/referenceIdentification	DESADV - SG1 - RFF - C506 - DE1153(CN = Carrier's reference number) + C506 - DE1154
Reference Delivery Note number	deliveryNote	The delivery note accompanying the despatch advice	O	/despatchAdvice/deliveryNote/referenceIdentification	DESADV - SG1 - RFF - C506 - DE1153(AAN = Delivery schedule number) + C506 - DE1154
LINE LEVEL					
Serial Shipping Container Code (SSCC)	serialShippingContainerCode	A single globally unique serial number which identifies shipping containers or shipping packages	M	/despatchAdvice/despatchAdviceLogisticUnit/LinItem/logisticUnitIdentification/serialShipmentContainerCode/serialShippingContainerCode	DESADV - SG14 - GIN - DE7405(BJ) + C208 - DE7402

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML 2.5 mapping	EANCOM 97 mapping
Logistics unit length	packageLength	The extent, measurement, or dimension downward, backward, or inward	O	/despatchAdvice/despatchAdviceLogisticUnit LinItem/logisticUnitMeasurement/packageDimension/packageLength/measurementValue/attributes - unitOfMeasure + /despatchAdvice/despatchAdviceLogisticUnit LinItem/logisticUnitMeasurement/packageDimension/packageLength/measurementValue/value	DESADV - SG11 - MEA - DE6311(PD) + C502 - DE6313(LN) + C174 - DE6411 + C174 - DE6314
Logistics unit height	packageHeight	The vertical dimension from the lowest extremity to the highest extremity	O	/despatchAdvice/despatchAdviceLogisticUnit LinItem/logisticUnitMeasurement/packageDimension/packageHeight/measurementValue/attributes - unitOfMeasure + /despatchAdvice/despatchAdviceLogisticUnit LinItem/logisticUnitMeasurement/packageDimension/packageHeight/measurementValue/value	DESADV - SG11 - MEA - DE6311(PD) + C502 - DE6313(HT) + C174 - DE6411 + C174 - DE6314
Logistics unit width	packageWidth	The measurement of the extent of something from side to side. Width is the measurement from left to right	O	/despatchAdvice/despatchAdviceLogisticUnit LinItem/logisticUnitMeasurement/packageDimension/packageWidth/measurementValue/attributes - unitOfMeasure + /despatchAdvice/despatchAdviceLogisticUnit LinItem/logisticUnitMeasurement/packageDimension/packageWidth/measurementValue/value	DESADV - SG11 - MEA - DE6311(PD) + C502 - DE6313(WD) + C174 - DE6411 + C174 - DE6314
Logistics unit weight	measurmentValue	Measures the heaviness of the logistics unit	O	/despatchAdvice/despatchAdviceLogisticUnit LinItem/logisticUnitMeasurement/unitMeasurement/measurementType(TOTAL_GROSS_WEIGHT) + /despatchAdvice/despatchAdviceLogisticUnit LinItem/logisticUnitMeasurement/unitMeasurement/measurementValue/attributes-unitOfMeasure+ /despatchAdvice/despatchAdviceLogisticUnit LinItem/logisticUnitMeasurement/unitMeasurement/measurementValue/value	DESADV - SG11 - MEA - DE6311(PD) + C502 - DE6313(AAB) + C174 - DE6411 + C174 - DE6314

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML 2.5 mapping	EANCOM 97 mapping
Logistics Unit Type	packageTypeDescriptionCodeValue	Code specifying the type of package	O	/despatchAdvice/despatchAdviceLogisticUnitLinItem/packageType/packageTypeDescriptionCodeValue	DESADV - SG11 - PAC - C202 - DE7065
Item line number	number	Despatch Advice item containment line Item number	M	/despatchAdvice/despatchAdviceLogisticUnitLinItem/despatchAdviceItemContainmentLinItem/attributes - number	DESADV - SG15 - LIN - DE1082
GTIN	gtin	Global Trade Item Number	M	/despatchAdvice/despatchAdviceLogisticUnitLinItem/despatchAdviceItemContainmentLinItem/containedItemIdentification/gtin	DESADV - SG15 - LIN - C212 - DE7140 + C212 - 7143(EN)
Buyer assigned additional item identification	additionalTradeItemIdentification	Alternative means to the Global Trade Item Number to identify a trade item	O	/despatchAdvice/despatchAdviceLogisticUnitLinItem/despatchAdviceItemContainmentLinItem/containedItemIdentification/additionalTradeItemIdentification/additionalTradeItemIdentificationValue + /despatchAdvice/despatchAdviceLogisticUnitLinItem/despatchAdviceItemContainmentLinItem/containedItemIdentification/additionalTradeItemIdentification/additionalTradeItemIdentificationType(BUYER_ASSIGNED)	DESADV - SG15 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(IN)
Seller assigned additional item identification	additionalTradeItemIdentification	Alternative means to the Global Trade Item Number to identify a trade item	O	/despatchAdvice/despatchAdviceLogisticUnitLinItem/despatchAdviceItemContainmentLinItem/containedItemIdentification/additionalTradeItemIdentification/additionalTradeItemIdentificationValue + /despatchAdvice/despatchAdviceLogisticUnitLinItem/despatchAdviceItemContainmentLinItem/containedItemIdentification/additionalTradeItemIdentification/additionalTradeItemIdentificationType(SELLER_ASSIGNED)	DESADV - SG15 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(SA)

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML 2.5 mapping	EANCOM 97 mapping
Item Description			O	Pending Change Request	DESADV - SG15 - IMD - DE7077(F) + C273 - DE7009 + C273 - DE7008
Quantity despatched	quantityContained	The number of units shipped	M	/despatchAdvice/despatchAdviceLogisticUnitLineItem/despatchAdviceItemContainmentLineItem/quantityContained/value	DESADV - SG15 - QTY - C186 - DE6063(12) + C186 - DE6060
Unit of measure which product is distributed as. Recommended - MMT, KGM	measurementUnitCode Value	Unit of measure which product is distributed as	O	/despatchAdvice/despatchAdviceLogisticUnitLineItem/despatchAdviceItemContainmentLineItem/quantityContained/unitOfMeasure/measurementUnitCodeValue	DESADV - SG15 - QTY - C186 - DE6063(12) + C186 - DE6060 + C186 - DE6411
Hazardous details code			O	Pending Change Request	DESADV - SG22 - HAN - C218 - DE7419
Batch number	batchNumber	A batch unites products or items that have undergone or are grouped together to undergo the same transformation process, not necessarily a production process	O	/despatchAdvice/despatchAdviceLogisticUnitLineItem/despatchAdviceItemContainmentLineItem/extendedAttributes/batchNumber	DESADV - SG15 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(NB=Batch number)

Field Description	Global Data Dictionary Name	Global Data Dictionary Definition	M/O	GS1 XML 2.5 mapping	EANCOM 97 mapping
Lot number	lotNumber	A distinctive combination of numbers and/or letters from which the complete history of the manufacture, processing, packaging, coding and distribution of a batch can be determined	O	/despatchAdvice/despatchAdviceLogisticUnit LineItem/despatchAdviceItemContainmentLineItem/extendedAttributes/lotNumber	DESADV - SG15 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(NB=Batch number)
Serial number	serialNumber	A number indicating the place in a series and used as a means of identification for an individual occurrence of an item	O	/despatchAdvice/despatchAdviceLogisticUnit LineItem/despatchAdviceItemContainmentLineItem/listForEachItem/serialNumber	DESADV - SG15 - PIA - DE4347(1) + C212 - DE7140 + C212 - DE7143(SN =Serial number)



Cannot be mapped/Subject to Change Request.

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, 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.