



Message Implementation Guideline

ItemDataNotification

Model: ItemDataNotification
Version: GS1 BMB 3.1
Variant: 6
Issue date: 03.04.2019
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Change log ItemDataNotification

Date	Variant	Comments
08.04.2019	6	Merged GS1 3.1 for Axia and Nyce systems

Structure

Occurrence	Element/Attribute
	itemDataNotificationMessage
1 .. 1	xsd:sequence
1 .. 1	sh:StandardBusinessDocumentHeader
1 .. 1	xs:sequence
1 .. 1	HeaderVersion
1 .. unbounded	Sender
1 .. 1	xs:sequence
1 .. 1	Identifier
	<i>Authority</i>
1 .. unbounded	Receiver
1 .. 1	xs:sequence
1 .. 1	Identifier
	<i>Authority</i>
1 .. 1	DocumentIdentification
1 .. 1	xs:sequence
1 .. 1	Standard
1 .. 1	TypeVersion
1 .. 1	InstanceIdentifier
1 .. 1	Type
1 .. 1	CreationDateAndTime
1 .. 10000	itemDataNotification
1 .. 1	xs:sequence
1 .. 1	creationDateTime
1 .. 1	documentStatusCode
1 .. 1	xs:sequence
1 .. 1	itemDataNotificationIdentification
1 .. 1	xs:sequence
1 .. 1	entityIdentification
1 .. 1	dataSource
1 .. 1	xs:sequence
0 .. unbounded required	additionalPartyIdentification
	<i>additionalPartyIdentificationTypeCode</i>
1 .. 1	dataRecipient
1 .. 1	xs:sequence
0 .. 1	gln
1 .. 1	additionalPartyIdentification
required	<i>additionalPartyIdentificationTypeCode</i>
1 .. unbounded	itemDataNotificationLineItem
1 .. 1	xs:sequence
1 .. 1	lineItemNumber
0 .. unbounded required	tradeItemDescription
	<i>languageCode</i>
	<i>codeListVersion</i>
0 .. 1	productVariantIdentifier
1 .. 1	tradeItemIdentification
1 .. 1	xs:sequence
1 .. 1	gtin
0 .. unbounded required	additionalTradeItemIdentification
	<i>additionalTradeItemIdentificationTypeCode</i>

Bold = Simple Element, Bold on grey background = Complex Element, Italic = Attribute, Grey = Group



Occurrence	Element/Attribute
0 .. 1	itemDataTradingPartnerNeutral
1 .. 1	xsd:sequence
1 .. 1	effectiveDateTime
1 .. 1	tradeltemBaseUnitOfMeasure
1 .. 1	startAvailabilityDateTime
1 .. 1	endAvailabilityDateTime
0 .. 1	tradeltemClassificationCode
0 .. unbounded	<i>additionalTradeltemClassificationCodeListCode</i>
0 .. 1	itemDataWeightAndDimension
1 .. 1	xsd:sequence
0 .. 1	depth
required	<i>measurementUnitCode</i>
0 .. 1	height
required	<i>measurementUnitCode</i>
0 .. 1	netWeight
required	<i>measurementUnitCode</i>
0 .. 1	width
required	<i>measurementUnitCode</i>
0 .. 1	itemDataTradingPartnerDependent
1 .. 1	xsd:sequence
1 .. 1	tradeltemSpecificUnitOfMeasure
0 .. 1	orderQuantityMultiple
0 .. 1	itemDataLogisticUnitInformation
1 .. 1	xsd:sequence
1 .. 1	tradeltemQuantity

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Guideline

Element/Attribute	Annotation
ItemDataNotificationMessage	Type item_data_notification:ItemDataNotificationMessageType
xsd:sequence	Occurrence 1 .. 1
sh:StandardBusinessDocumentHeader	Occurrence 1 .. 1 Type sh:StandardBusinessDocumentHeader
xsd:sequence	Occurrence 1 .. 1
HeaderVersion	Occurrence 1 .. 1 Type xsd:string Example 3.1
Sender	Occurrence 1 .. unbounded Type sh:Partner
xsd:sequence	Occurrence 1 .. 1
Identifier	Occurrence 1 .. 1 Type sh:PartnerIdentification Remark Client id / customer number / GLN Example 123456789
<i>Authority</i>	Type xsd:string Example ZZ
Applicable Codes	
14	EAN International
ZZ	Mutually defined
Receiver	Occurrence 1 .. unbounded Type sh:Partner
xsd:sequence	Occurrence 1 .. 1
Identifier	Occurrence 1 .. 1 Type sh:PartnerIdentification Remark GLN for receiver of the message Example 7080000950171
<i>Authority</i>	Type xsd:string Example 14
Applicable Codes	
14	EAN International
DocumentIdentification	Occurrence 1 .. 1 Type sh:DocumentIdentification
xsd:sequence	Occurrence 1 .. 1
Standard	Occurrence 1 .. 1 Type xsd:string Example GS1 BMB
TypeVersion	Occurrence 1 .. 1 Type xsd:string Example 3.1
InstanceIdentifier	Occurrence 1 .. 1 Type xsd:string Example GS1
Type	Occurrence 1 .. 1 Type xsd:string Example ItemDescription
CreationDateAndTime	Occurrence 1 .. 1 Type xsd:dateTime Remark Creation date/time for the message Example 2019-05-14T12:30:21
itemDataNotification	Occurrence 1 .. 10000 Type item_data_notification:ItemDataNotificationType
xsd:sequence	Occurrence 1 .. 1

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Element/Attribute	Annotation
creationDateTime	Occurrence 1 .. 1 Type xsd:dateTime Remark Creation Date/time for the message Example 2019-05-14T12:30:21
documentStatusCode	Occurrence 1 .. 1 Type shared_common:DocumentStatusEnumerationType Example ORIGINAL Applicable Codes ORIGINAL
xsd:sequence	Occurrence 1 .. 1
itemDataNotificationIdentification	Occurrence 1 .. 1 Type shared_common:EntityIdentificationType
xsd:sequence	Occurrence 1 .. 1
entityIdentification	Occurrence 1 .. 1 Type restriction (xsd:string) Remark Document/message number Example 456709
dataSource	Occurrence 1 .. 1 Type ecom_common:TransactionalPartyType
xsd:sequence	Occurrence 1 .. 1
additionalPartyIdentification	Occurrence 0 .. unbounded Type shared_common:AdditionalPartyIdentificationType Remark Client Id Example 12345
<i>additionalPartyIdentificationTypeCode</i>	Type restriction (xsd:string) Length 1 .. 80 Use required Example 88 Applicable Codes 88 Assigned by the owner of operation
dataRecipient	Occurrence 1 .. 1 Type ecom_common:TransactionalPartyType
xsd:sequence	Occurrence 1 .. 1
gln	Occurrence 0 .. 1 Type shared_common:GLNType Pattern \d{13} Remark GLN for the receive of the message (Warehouse) Example 73933214000111
additionalPartyIdentification	Occurrence 1 .. 1 Type shared_common:AdditionalPartyIdentificationType Remark Warehouse Code, to be agreed Example BERGER Applicable Codes 4033 Stavanger (Norway) 5500 Haugesund (Norway) AES Ålesund (Norway) BERGER Berger/Skedsbokorset (Norway) BS02 Kongshavn (Norway) BS07 Trollåsen (Norway) BS17 Bergen (Norway) BS26 Trondheim (Norway) BS34 Tromsø (Norway) FI01 Finland JKPG01 Jönköping (Sweden) NCD Lierstrand (Norway)

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Element/Attribute	Annotation
<ul style="list-style-type: none"> └ <i>additionalPartyIdentificationTypeCode</i> 	<p>Type restriction (xsd:string) Length 1 .. 80 Use required Example 88</p> <p>Applicable Codes</p> <p>88 Assigned by the owner of operation</p>
<ul style="list-style-type: none"> └ itemDataNotificationLinItem 	<p>Occurrence 1 .. unbounded Type item_data_notification:ItemDataNotificationLinItemType</p>
<ul style="list-style-type: none"> └ xsd:sequence └ linItemNumber 	<p>Occurrence 1 .. 1 Type xsd:positiveInteger FractionDigits 0 Inclusive 1 .. Remark line Item number Example 1</p>
<ul style="list-style-type: none"> └ tradelItemDescription 	<p>Occurrence 0 .. unbounded Type shared_common:Description1000Type Remark Item description Example SPECTRA WIRE LOCK x 650MM Restriction <i>Text 45 pos</i> Note This element can be used for additional Item Description in combination with the code in TradelItemDescriptionCodeListVersion for Sweden and Finland. When this element is used for COLOR or SIZE - the 3 different fields in NYCE are separated with ':'</p> <p>Description Example: 12000:13:COLOR BDAW16 Description 12000 = Variant/Name/Value Description 13 = VariantValue/SortOrder Description COLOR BDAW16 = VariantValue/Value</p>
<ul style="list-style-type: none"> └ <i>languageCode</i> 	<p>Type restriction (xsd:string) Length 1 .. 80 Use required Example EN</p> <p>Applicable Codes</p> <p>DA Danish EN English FI Finnish NO Norwegian SV Swedish</p>
<ul style="list-style-type: none"> └ <i>codeListVersion</i> 	<p>Type restriction (xsd:string) Length 1 .. 35</p> <p>Applicable Codes</p> <p>Activity BRAND COLOR Construction Fabric GENDER ItemDescription ProductType SIZE USMID</p>
<ul style="list-style-type: none"> └ productVariantIdentifier 	<p>Occurrence 0 .. 1 Type restriction (xsd:string) Remark Product Category Example Dy178090 Restriction <i>Text 8 pos</i></p>

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Element/Attribute	Annotation
tradeltemIdentification	Occurrence 1 .. 1 Type shared_common:TradeltemIdentificationType
xsd:sequence	Occurrence 1 .. 1
gtin	Occurrence 1 .. 1 Type shared_common:GTINType Pattern \d{14} Remark GTIN, if not used fill in with zeros Example 0000000000000
additionalTradeltemIdentification	Occurrence 0 .. unbounded Type shared_common:AdditionalTradeltemIdentificationType Remark Supplier's Item number Example 8400123 Restriction <i>Text 21 pos Mandatory</i> Remark UNnr (dangerous goods) Example 1814 Restriction <i>Numeric 4 pos Optional</i> Remark Producer's article number Example CDS-9013 Restriction <i>Text 15 pos Optional</i> Remark Commodity Code Example 9506190000 Restriction <i>Text 10 pos Optional</i> Remark Country of Origin Example KR Restriction <i>Text 4 pos Optional</i>
<i>additionalTradeltemIdentificationTypeCode</i>	Type restriction (xsd:string) Length 1 .. 80 Use required Example SA
Applicable Codes	
HS	Harmonised System
MF	Manufacturer's (producer's) article number
SA	Supplier's article number
Z1	Item BarCode
ZCO	Country of Origin
ZHIC	Handling Instruction Code
ZIC	Item Category
ZMSRP	Market Suggested Retail Price
ZRS	Removal Strategy
ZUST	USTariff
ZZ	UNnr
itemDataTradingPartnerNeutral	Occurrence 0 .. 1 Type item_data_notification:ItemDataTradingPartnerNeutralType
xsd:sequence	Occurrence 1 .. 1
effectiveDateTime	Occurrence 1 .. 1 Type xsd:dateTime Remark Effective date/Time Example 2014-10-05T00:00:00
tradeltemBaseUnitOfMeasure	Occurrence 1 .. 1 Type shared_common:MeasurementUnitCodeType Remark Trade Item Example PCE Restriction <i>Text 4 pos Mandatory</i>

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Element/Attribute	Annotation
	Applicable Codes
	PCE pieces
startAvailabilityDateTime	Occurrence 1 .. 1 Type xsd:dateTime Remark Start availability date/time Example 2019-05-14T12:00:00
endAvailabilityDateTime	Occurrence 0 .. 1 Type xsd:dateTime Remark End Availability DateTime Example 2019-12-31T00:00:00
tradeItemClassificationCode	Occurrence 0 .. unbounded Type shared_common:AdditionalTradeItemClassificationCodeType Remark Indicates Batch handling Example BH Remark Indicates Quality Inspection Example QI
	Applicable Codes
	APD Allow Partial Delivery
	BH Batch handling
	IMEI IMEI required
	INF Inventory Now Flag
	ISTA ItemStatusActive
	ISTD Is Out to Delivered
	QI Quality Inspection
	SRN Serial Number required
<i>additionalTradeItemClassificationCodeListCode</i>	Type restriction (xsd:string) Length 1 .. 80 Use required Example J
	Applicable Codes
	false No
	true Yes
itemDataWeightAndDimension	Occurrence 0 .. 1 Type item_data_notification:ItemDataWeightAndDimensionType
<i>xsd:sequence</i>	Occurrence 1 .. 1
depth	Occurrence 0 .. 1 Type shared_common:MeasurementType Remark Depth of the Item Example 25 Restriction <i>Numeric 9(3) Optional</i>
<i>measurementUnitCode</i>	Type restriction (xsd:string) Length 1 .. 80 Use required Example CMT
	Applicable Codes
	CMT centimetre
height	Occurrence 0 .. 1 Type shared_common:MeasurementType Remark Height of the item Example 40 Restriction <i>Numeric 9(3) Optional</i>
<i>measurementUnitCode</i>	Type restriction (xsd:string) Length 1 .. 80 Use required

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Element/Attribute	Annotation
	Example CMT Applicable Codes CMT centimetre
netWeight	Occurrence 0 .. 1 Type shared_common:MeasurementType Remark Net Weight for the Item Example 1200 Restriction <i>Numeric 9(3) Optional</i>
measurementUnitCode	Type restriction (xsd:string) Length 1 .. 80 Use required Example KGM Applicable Codes KGM kilogram
width	Occurrence 0 .. 1 Type shared_common:MeasurementType Remark Width for the Item Example 60 Restriction <i>Numeric 9(3) Optional</i>
measurementUnitCode	Type restriction (xsd:string) Length 1 .. 80 Use required Example CMT Applicable Codes CMT centimetre
itemDataTradingPartnerDependent	Occurrence 0 .. 1 Type item_data_notification: ItemDataTradingPartnerDependentType
xsd:sequence	Occurrence 1 .. 1
tradeItemSpecificUnitOfMeasure	Occurrence 1 .. 1 Type shared_common:MeasurementUnitCodeType Example PCE Applicable Codes PCE pieces
orderQuantityMultiple	Occurrence 0 .. 1 Type shared_common:QuantityType Remark Number of consumer units in the traded unit Example 10 Restriction <i>Numeric 4 Pos Optional</i>
itemDataLogisticUnitInformation	Occurrence 0 .. 1 Type item_data_notification: ItemDataLogisticUnitInformationType
xsd:sequence	Occurrence 1 .. 1
tradeItemQuantity	Occurrence 1 .. 1 Type shared_common:QuantityType Remark Number of DPAK per pallet Example 5

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<?xml version="1.0" encoding="UTF-8"?>
<ns0:itemDataNotificationMessage xmlns:ns0="urn:gs1:ecom:item_data_notification:xsd:3">
  <ns1:StandardBusinessDocumentHeader
xmlns:ns1="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader">
    <ns1:HeaderVersion>3.1</ns1:HeaderVersion>
    <ns1:Sender>
      <ns1:Identifier Authority="14">999999</ns1:Identifier>
    </ns1:Sender>
    <ns1:Receiver>
      <ns1:Identifier Authority="14">7080003388100</ns1:Identifier>
    </ns1:Receiver>
    <ns1:DocumentIdentification>
      <ns1:Standard>GS1 BMS</ns1:Standard>
      <ns1:TypeVersion>3.1</ns1:TypeVersion>
      <ns1:InstanceIdentifier>GS1</ns1:InstanceIdentifier>
      <ns1:Type>ItemDescription</ns1:Type>
      <ns1:CreationDateAndTime>2019-03-11T08:50:46</ns1:CreationDateAndTime>
    </ns1:DocumentIdentification>
  </ns1:StandardBusinessDocumentHeader>
  <itemDataNotification>
    <creationDateTime>2019-03-11T08:50:46</creationDateTime>
    <documentStatusCode>ORIGINAL</documentStatusCode>
    <itemDataNotificationIdentification>
      <entityIdentification>6777856</entityIdentification>
    </itemDataNotificationIdentification>
    <dataSource>
      <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">999999</additionalPartyIdentification>
    </dataSource>
    <dataRecipient>
      <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">BS26</additionalPartyIdentification>
    </dataRecipient>
    <itemDataNotificationLineItem>
      <lineItemNumber>1</lineItemNumber>
      <tradeItemDescription languageCode="NO">TradeItemDescription1</tradeItemDescription>
      <tradeItemIdentification>
        <gtin>5709452110897</gtin>
        <additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="SA">10056</additionalTradeItemIdentification>
        <additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="ZCO">SE</additionalTradeItemIdentification>
        <additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="MF">216089</additionalTradeItemIdentification>
      </tradeItemIdentification>
      <itemDataTradingPartnerNeutral>
        <effectiveDateTime>2019-03-11T08:50:46</effectiveDateTime>
        <tradeItemBaseUnitOfMeasure>PCE</tradeItemBaseUnitOfMeasure>
        <startAvailabilityDateTime>2014-01-27 T00:00:00</startAvailabilityDateTime>
        <endAvailabilityDateTime>9999-12-31 T00:00:00</endAvailabilityDateTime>
        <itemDataWeightAndDimension>
          <depth measurementUnitCode="CM">7.500</depth>
          <grossWeight measurementUnitCode="KG">0.350</grossWeight>
          <height measurementUnitCode="CM">5.000</height>
          <netWeight measurementUnitCode="KG">0.350</netWeight>
        </itemDataWeightAndDimension>
      </itemDataTradingPartnerNeutral>
    </itemDataNotificationLineItem>
  </itemDataNotification>
</ns0:itemDataNotificationMessage>

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    <width measurementUnitCode="CM">7.500</width>
  </itemDataWeightAndDimension>
</itemDataTradingPartnerNeutral>
<itemDataTradingPartnerDependent>
  <tradelItemSpecificUnitOfMeasure>PCE</tradelItemSpecificUnitOfMeasure>
</itemDataTradingPartnerDependent>
</itemDataNotificationLinItem>
<itemDataNotificationLinItem>
  <linItemNumber>2</linItemNumber>
  <tradelItemDescription languageCode="NO">TradelItemDescription2</tradelItemDescription>
  <tradelItemIdentification>
    <gtin>7070856011591</gtin>
    <additionalTradelItemIdentification
additionalTradelItemIdentificationTypeCode="SA">11264</additionalTradelItemIdentification>
    <additionalTradelItemIdentification
additionalTradelItemIdentificationTypeCode="ZCO">NO</additionalTradelItemIdentification>
    <additionalTradelItemIdentification
additionalTradelItemIdentificationTypeCode="MF">102081000</additionalTradelItemIdentification>
  </tradelItemIdentification>
  <itemDataTradingPartnerNeutral>
    <effectiveDateTime>2019-03-11T08:50:46</effectiveDateTime>
    <tradelItemBaseUnitOfMeasure>PCE</tradelItemBaseUnitOfMeasure>
    <startAvailabilityDateTime>2014-01-27 T00:00:00</startAvailabilityDateTime>
    <endAvailabilityDateTime>9999-12-31 T00:00:00</endAvailabilityDateTime>
    <itemDataWeightAndDimension>
      <depth measurementUnitCode="CM">100.000</depth>
      <grossWeight measurementUnitCode="KG">0.320</grossWeight>
      <height measurementUnitCode="CM">0.800</height>
      <netWeight measurementUnitCode="KG">0.320</netWeight>
      <width measurementUnitCode="CM">0.800</width>
    </itemDataWeightAndDimension>
  </itemDataTradingPartnerNeutral>
  <itemDataTradingPartnerDependent>
    <tradelItemSpecificUnitOfMeasure>PCE</tradelItemSpecificUnitOfMeasure>
  </itemDataTradingPartnerDependent>
</itemDataNotificationLinItem>
<itemDataNotificationLinItem>
  <linItemNumber>3</linItemNumber>
  <tradelItemDescription languageCode="NO">TradelItemDescription3</tradelItemDescription>
  <tradelItemIdentification>
    <gtin>7070856011607</gtin>
    <additionalTradelItemIdentification
additionalTradelItemIdentificationTypeCode="SA">11265</additionalTradelItemIdentification>
    <additionalTradelItemIdentification
additionalTradelItemIdentificationTypeCode="ZCO">NO</additionalTradelItemIdentification>
    <additionalTradelItemIdentification
additionalTradelItemIdentificationTypeCode="MF">102101000</additionalTradelItemIdentification>
  </tradelItemIdentification>
  <itemDataTradingPartnerNeutral>
    <effectiveDateTime>2019-03-11T08:50:46</effectiveDateTime>
    <tradelItemBaseUnitOfMeasure>PCE</tradelItemBaseUnitOfMeasure>
    <startAvailabilityDateTime>2014-01-27 T00:00:00</startAvailabilityDateTime>
    <endAvailabilityDateTime>9999-12-31 T00:00:00</endAvailabilityDateTime>
    <itemDataWeightAndDimension>
      <depth measurementUnitCode="CM">100.000</depth>

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    <grossWeight measurementUnitCode="KG">0.500</grossWeight>
    <height measurementUnitCode="CM">1.000</height>
    <netWeight measurementUnitCode="KG">0.500</netWeight>
    <width measurementUnitCode="CM">1.000</width>
  </itemDataWeightAndDimension>
</itemDataTradingPartnerNeutral>
<itemDataTradingPartnerDependent>
  <tradelItemSpecificUnitOfMeasure>PCE</tradelItemSpecificUnitOfMeasure>
</itemDataTradingPartnerDependent>
</itemDataNotificationLineItem>
<itemDataNotificationLineItem>
  <lineItemNumber>4</lineItemNumber>
  <tradelItemDescription languageCode="NO">TradelItemDescription4</tradelItemDescription>
  <tradelItemIdentification>
    <gtin>7070856011676</gtin>
    <additionalTradelItemIdentification
additionalTradelItemIdentificationTypeCode="SA">11271</additionalTradelItemIdentification>
    <additionalTradelItemIdentification
additionalTradelItemIdentificationTypeCode="ZCO">NO</additionalTradelItemIdentification>
    <additionalTradelItemIdentification
additionalTradelItemIdentificationTypeCode="MF">102082000</additionalTradelItemIdentification>
  </tradelItemIdentification>
  <itemDataTradingPartnerNeutral>
    <effectiveDateTime>2019-03-11T08:50:46</effectiveDateTime>
    <tradelItemBaseUnitOfMeasure>PCE</tradelItemBaseUnitOfMeasure>
    <startAvailabilityDateTime>2014-01-27 T00:00:00</startAvailabilityDateTime>
    <endAvailabilityDateTime>9999-12-31 T00:00:00</endAvailabilityDateTime>
    <itemDataWeightAndDimension>
      <depth measurementUnitCode="CM">200.000</depth>
      <grossWeight measurementUnitCode="KG">0.640</grossWeight>
      <height measurementUnitCode="CM">0.800</height>
      <netWeight measurementUnitCode="KG">0.640</netWeight>
      <width measurementUnitCode="CM">0.800</width>
    </itemDataWeightAndDimension>
  </itemDataTradingPartnerNeutral>
  <itemDataTradingPartnerDependent>
    <tradelItemSpecificUnitOfMeasure>PCE</tradelItemSpecificUnitOfMeasure>
  </itemDataTradingPartnerDependent>
</itemDataNotificationLineItem>
</itemDataNotification>
</ns0:itemDataNotificationMessage>

```