Message Implementation Guideline

ItemDataNotification- Axia

Model: ItemDataNotification Axia
Version: GS1 BMS 3.1
Variant: 5
Issue date: 2017-03-15
Author: GS1

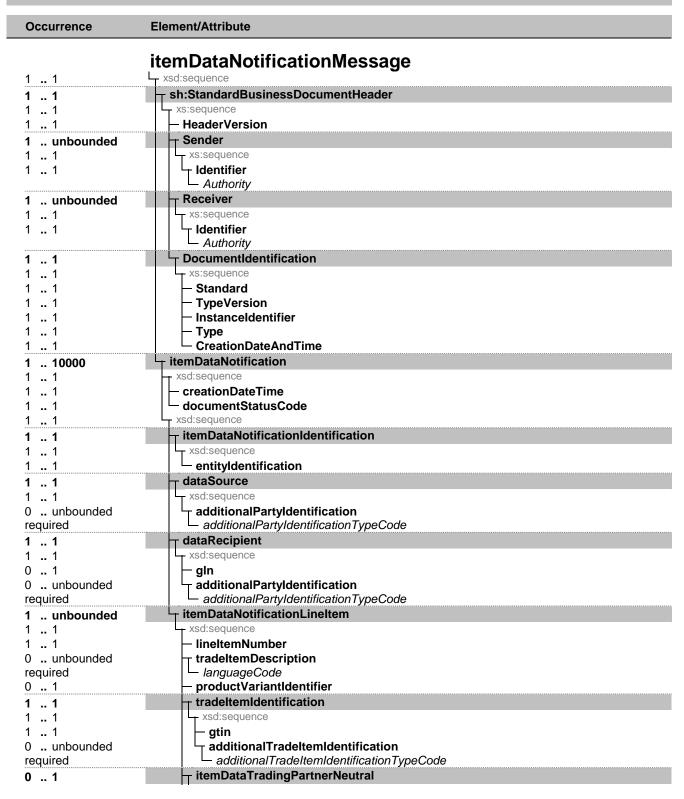# Change Log ItemdataNotification Axia

Date	Variant	Comments
2015-08-19	2	UNnr added ItemDataNotification/itemDataNotificationLineItem/tradeItemIdentification/additionalTradeItemIdentification Code 'ZZ' to be used in ItemDataNotification/itemDataNotificationLineItem/tradeItemIdentification/additionalTradeItemIdentificationTypeCode
2015-08-19	2	Code for Batch handling added ItemDataNotification/itemDataNotificationLineItem/itemDataTradingPartnerNeutral/tradeItemClassificationCode = 'BH' ItemDataNotification/itemDataNotificationLineItem/itemDataTradingPartnerNeutral/tradeItemClassificationCode/additionalTradeItemClassificationCodeListCode = 'J' or ' N'
2016-11-01	3	Producer's article number added ItemDataNotification/itemDataNotificationLineItem/tradeItemIdentification/additionalTradeItemIdentification Code 'MF' to be used in ItemDataNotification/itemDataNotificationLineItem/tradeItemIdentification/additionalTradeItemIdentificationTypeCode
2017-02-01	4	Code for Quality Inspection added ItemDataNotification/itemDataNotificationLineItem/itemDataTradingPartnerNeutral/tradeItemClassificationCode = 'BH' ItemDataNotification/itemDataNotificationLineItem/itemDataTradingPartnerNeutral/tradeItemClassificationCode/additionalTradeItemClassificationCodeListCode = 'J' or ' N'
2017-01-02	4	Country of Origin added ItemDataNotification/itemDataNotificationLineItem/tradeItemIdentification/additionalTradeItemIdentification Code 'ZCO' to be used in ItemdataNotification/itemDataNotificationLineItem/tradeItemIdentification/additionalTradeItemIdentificationTypeCode
2017-02-01	4	Commodity Code added ItemDataNotification/itemDataNotificationLineItem/tradeItemIdentification/additionalTradeItemIdentification Code 'HS' to be used in ItemDataNotification/itemDataNotificationLineItem/tradeItemIdentification/additionalTradeItemIdentificationTypeCode
2017-03-15	5	ItemDataNotification/itemDataNotificationLineItem/itemDataTradingPartnerDependent/tradeItemSpecificUnitOf Measure = "PCE"
2017-03-15	5	ItemDataNotification/itemDataNotificationLineItem/itemDataTradingPartnerDependent/orderQuantityMulitple added for quantity of DPAK per

		pallet
2017-03-15	5	itemDataNotifcation/itemDataNotificationLineItem/itemDataTradingPartnerDependent/itemDataLogisticUnitInformation/tradeItemQuantity added for Number of consumer units in DPAK

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**
	└ *Authority*
1 .. unbounded	**Receiver**
1 .. 1	└ xs:sequence
1 .. 1	├ **Identifier**
	└ *Authority*
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	└ xsd:sequence
1 .. 1	├ **creationDateTime**
1 .. 1	└ **documentStatusCode**
1 .. 1	└ xsd:sequence
1 .. 1	**itemDataNotificationIdentification**
1 .. 1	└ xsd:sequence
1 .. 1	└ **entityIdentification**
1 .. 1	**dataSource**
1 .. 1	└ xsd:sequence
0 .. unbounded	├ **additionalPartyIdentification**
required	└ *additionalPartyIdentificationTypeCode*
1 .. 1	**dataRecipient**
1 .. 1	└ xsd:sequence
0 .. 1	├ **gln**
0 .. unbounded	├ **additionalPartyIdentification**
required	└ *additionalPartyIdentificationTypeCode*
1 .. unbounded	**itemDataNotificationLineItem**
1 .. 1	└ xsd:sequence
1 .. 1	├ **lineItemNumber**
0 .. unbounded	├ **tradeItemDescription**
required	└ *languageCode*
0 .. 1	├ **productVariantIdentifier**
1 .. 1	**tradeItemIdentification**
1 .. 1	└ xsd:sequence
1 .. 1	├ **gtin**
0 .. unbounded	├ **additionalTradeItemIdentification**
required	└ *additionalTradeItemIdentificationTypeCode*
0 .. 1	**itemDataTradingPartnerNeutral**

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

Occurrence	Element/Attribute
1 **..** 1	xsd:sequence
1 **..** 1	**effectiveDateTime**
1 **..** 1	**tradeItemBaseUnitOfMeasure**
1 **..** 1	**startAvailabilityDateTime**
0 **..** 1	**endAvailabilityDateTime**
0 **..** unbounded	**tradeItemClassificationCode**
required	*additionalTradeItemClassificationCodeListCode*
0 .. 1	**itemDataWeightAndDimension**
1 **..** 1	xsd:sequence
0 **..** 1	**depth**
required	*measurementUnitCode*
0 **..** 1	**height**
required	*measurementUnitCode*
0 **..** 1	**netWeight**
required	*measurementUnitCode*
0 **..** 1	**width**
required	*measurementUnitCode*
0 .. 1	**itemDataTradingPartnerDependent**
1 **..** 1	xsd:sequence
1 **..** 1	**tradeItemSpecificUnitOfMeasure**
0 **..** 1	**orderQuantityMultiple**
0 .. 1	**itemDataLogisticUnitInformation**
1 **..** 1	xsd:sequence
1 **..** 1	**tradeItemQuantity**

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Guideline

Element/Attribute	Annotation	
itemDataNotificationMessage	Type	item_data_notification:ItemDataNotificationMessageType
└ xsd:sequence	Occurence	1 .. 1
sh:StandardBusinessDocumentHeader	Occurence	1 .. 1
	Type	sh:StandardBusinessDocumentHeader
└ xs:sequence	Occurence	1 .. 1
─ **HeaderVersion**	Occurence	1 .. 1
	Type	xsd:string
	Example	**3.1**
─ **Sender**	Occurence	1 .. unbounded
	Type	sh:Partner
└ xs:sequence	Occurence	1 .. 1
└ **Identifier**	Occurence	1 .. 1
	Type	sh:PartnerIdentification
	Remark	**Client Id**
	Example	**12345**
└ *Authority*	Type	xsd:string
	Example	**14**
	Applicable Codes	
	14	EAN International
─ **Receiver**	Occurence	1 .. unbounded
	Type	sh:Partner
─ xs:sequence	Occurence	1 .. 1
└ **Identifier**	Occurence	1 .. 1
	Type	sh:PartnerIdentification
	Remark	**GLN for receiver of the message**
	Example	**73933214000111**
─ **DocumentIdentification**	Occurence	1 .. 1
	Type	sh:DocumentIdentification
└ xs:sequence	Occurence	1 .. 1
─ **Standard**	Occurence	1 .. 1
	Type	xsd:string
	Example	**GS1 BMS**
─ **TypeVersion**	Occurence	1 .. 1
	Type	xsd:string
	Example	**3.1**
─ **InstanceIdentifier**	Occurence	1 .. 1
	Type	xsd:string
	Example	**GS1**
─ **Type**	Occurence	1 .. 1
	Type	xsd:string
	Example	**ItemDescription**
─ **CreationDateAndTime**	Occurence	1 .. 1
	Type	xsd:dateTime
	Remark	**Creation date/time for the message**
	Example	**2014-10-01T12:00:00**
─ **itemDataNotification**	Occurence	1 .. 10000
	Type	item_data_notification:ItemDataNotificationType
─ xsd:sequence	Occurence	1 .. 1
─ **creationDateTime**	Occurence	1 .. 1
	Type	xsd:dateTime
	Remark	**Creation Date/time for the message**
	Example	**2010-10-01T12:00:00**
─ **documentStatusCode**	Occurence	1 .. 1
	Type	shared_common:DocumentStatusEnumerationType

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Element/Attribute	Annotation	
	Example	**ORIGINAL**
	Applicable Codes	
	ORIGINAL	
└ xsd:sequence	Occurence	1 .. 1
itemDataNotificationIdentification	Occurence	1 .. 1
	Type	shared_common:EntityIdentificationType
└ xsd:sequence	Occurence	1 .. 1
└ **entityIdentification**	Occurence	1 .. 1
	Type	restriction (xsd:string)
	Remark	**Document/message number**
	Example	**456709**
dataSource	Occurence	1 .. 1
	Type	ecom_common:TransactionalPartyType
└ xsd:sequence	Occurence	1 .. 1
additionalPartyIdentification	Occurence	0 .. unbounded
	Type	shared_common:AdditionalPartyIdentificationType
	Remark	**Client Id**
	Example	**12345**
└ *additionalPartyIdentificationTypeCode*	Type	restriction (xsd:string)
	Length	1 .. 80
	Use	required
	Example	**88**
	Applicable Codes	
	88	Assigned by the owner of operation
dataRecipient	Occurence	1 .. 1
	Type	ecom_common:TransactionalPartyType
└ xsd:sequence	Occurence	1 .. 1
gln	Occurence	0 .. 1
	Type	shared_common:GLNType
	Pattern	\d{13}
	Remark	**GLN for the receive of the message (Warehouse)**
	Example	**73933214000111**
additionalPartyIdentification	Occurence	0 .. unbounded
	Type	shared_common:AdditionalPartyIdentificationType
	Remark	**Warehouse Code, to be agreed**
	Example	**BERGER**
└ *additionalPartyIdentificationTypeCode*	Type	restriction (xsd:string)
	Length	1 .. 80
	Use	required
	Example	**88**
	Applicable Codes	
	88	Assigned by the owner of operation
itemDataNotificationLineItem	Occurence	1 .. unbounded
	Type	item_data_notification:ItemDataNotificationLineItemType
└ xsd:sequence	Occurence	1 .. 1
lineItemNumber	Occurence	1 .. 1
	Type	xsd:positiveInteger
	FractionDigits	0
	Inclusive	1 ..
	Remark	**line Item number**
	Example	**1**
tradeItemDescription	Occurence	0 .. unbounded
	Type	shared_common:Description1000Type
	Remark	**Item description**
	Example	**SPECTRA WIRE LOCK x 650MM**
	Restriction	*Text 45 pos*

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Element/Attribute	Annotation	
└ *languageCode*	Type	restriction (xsd:string)
	Length	1 **..** 80
	Use	required
	Example	**EN**
	Applicable Codes	
	EN	English
	NO	Norwegian
	SV	Swedish
─ **productVariantIdentifier**	Occurence	0 **..** 1
	Type	restriction (xsd:string)
	Remark	**Product Category**
	Example	Dy178090
	Restriction	*Text 8 pos*
─ **tradeItemIdentification**	Occurence	1 **..** 1
	Type	shared_common:TradeItemIdentificationType
└ xsd:sequence	Occurence	1 **..** 1
─ **gtin**	Occurence	1 **..** 1
	Type	shared_common:GTINType
	Pattern	\d{14}
	Remark	**GTIN, if not used fill in with zeros**
	Example	**0000000000000**
─ **additionalTradeItemIdentification**	Occurence	0 **..** unbounded
	Type	shared_common:AdditionalTradeItemIdentificationType
	Remark	**Supplier's Item number**
	Example	**8400123**
	Restriction	*Text 21 pos Mandatory*
	Remark	**UNnr (dangerous goods)**
	Example	**1814**
	Restriction	*Numeric 4 pos Optional*
	Remark	**Producer's article number**
	Example	**CDS-9013**
	Restriction	*Text 15 pos Optional*
	Remark	**Commodity Code**
	Example	**9506190000**
	Restriction	*Text 10 pos Optional*
	Remark	**Country of Origin**
	Example	**KR**
	Restriction	*Text 4 pos Optional*
└ *additionalTradeItemIdentificationTypeCode*	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
	ZCO	Country of Origin
	ZZ	UNnr
─ **itemDataTradingPartnerNeutral**	Occurence	0 **..** 1
	Type	item_data_notification: ItemDataTradingPartnerNeutralType
└ xsd:sequence	Occurence	1 **..** 1
─ **effectiveDateTime**	Occurence	1 **..** 1
	Type	xsd:dateTime
	Remark	**Effective date/Time**

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Element/Attribute	Annotation	
	Example	**2014-10-05T00:00:00**
— **tradeItemBaseUnitOfMeasure**	**Occurence**	1 **..** 1
	Type	shared_common:MeasurementUnitCodeType
	Remark	**Trade Item**
	Example	**PCE**
	Restriction	*Text 4 pos Mandatory*
	Applicable Codes	
	PCE	pieces
— **startAvailabilityDateTime**	**Occurence**	1 **..** 1
	Type	xsd:dateTime
	Remark	**Start availability date/time**
	Example	**2014-10-05T00:00:00**
— **endAvailabilityDateTime**	**Occurence**	0 **..** 1
	Type	xsd:dateTime
	Remark	**End Availability DateTime**
	Example	**2015-12-31T00:00:00**
— **tradeItemClassificationCode**	**Occurence**	0 **..** unbounded
	Type	shared_common: AdditionalTradeItemClassificationCodeType
	Remark	**Indicates Batch handling**
	Example	**BH**
	Remark	**Indicates Quality Inspection**
	Example	**QI**
	Applicable Codes	
	BH	Batch handling
	QI	Quality Inspection
— *additionalTradeItemClassificationCodeListCode*	**Type**	restriction (xsd:string)
	Length	1 **..** 80
	Use	required
	Example	**J**
	Applicable Codes	
	J	Yes
	N	No
— **itemDataWeightAndDimension**	**Occurence**	0 **..** 1
	Type	item_data_notification: ItemDataWeightAndDimensionType
— xsd:sequence	**Occurence**	1 **..** 1
— **depth**	**Occurence**	0 **..** 1
	Type	shared_common:MeasurementType
	Remark	**Depth of the Item**
	Example	**25**
	Restriction	*Numeric 9(3) Optional*
— *measurementUnitCode*	**Type**	restriction (xsd:string)
	Length	1 **..** 80
	Use	required
	Example	**CMT**
	Applicable Codes	
	CMT	centimetre
— **height**	**Occurence**	0 **..** 1
	Type	shared_common:MeasurementType
	Remark	**Height of the item**
	Example	**40**
	Restriction	*Numeric 9(3) Optional*
— *measurementUnitCode*	**Type**	restriction (xsd:string)
	Length	1 **..** 80
	Use	required

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

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```xml
<?xml version="1.0" encoding="UTF-8" ?>
<item_data_notification:itemDataNotificationMessage
  xmlns:item_data_notification="urn:gs1:ecom:item_data_notification:xsd:3"
  xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader">
  <sh:StandardBusinessDocumentHeader>
  <sh:HeaderVersion>3.1</sh:HeaderVersion>
  <sh:Sender>
  <sh:Identifier Authority="14">12345</sh:Identifier>
    </sh:Sender>
  <sh:Receiver>
  <sh:Identifier Authority="14">73933214000111</sh:Identifier>
    </sh:Receiver>
  <sh:DocumentIdentification>
  <sh:Standard>GS1 BMS</sh:Standard>
  <sh:TypeVersion>3.1</sh:TypeVersion>
  <sh:InstanceIdentifier>GS1</sh:InstanceIdentifier>
  <sh:Type>ItemDescription</sh:Type>
  <sh:CreationDateAndTime>2014-10-01T12:00:00</sh:CreationDateAndTime>
    </sh:DocumentIdentification>
    </sh:StandardBusinessDocumentHeader>
  <itemDataNotification>
  <creationDateTime>2010-10-01T12:00:00</creationDateTime>
  <documentStatusCode>ORIGINAL</documentStatusCode>
  <itemDataNotificationIdentification>
  <entityIdentification>456709</entityIdentification>
    </itemDataNotificationIdentification>
  <dataSource>
  <additionalPartyIdentification
    additionalPartyIdentificationTypeCode="88">12345</additionalPartyIdentification>
    </dataSource>
  <dataRecipient>
  <gln>73933214000111</gln>
  <additionalPartyIdentification
    additionalPartyIdentificationTypeCode="88">BERGER</additionalPartyIdentification>
    </dataRecipient>
  <itemDataNotificationLineItem>
  <lineItemNumber>1</lineItemNumber>
  <tradeItemDescription languageCode="EN">SPECTRA WIRE LOCK x
    650MM</tradeItemDescription>
  <productVariantIdentifier>Dy178090</productVariantIdentifier>
  <tradeItemIdentification>
  <gtin>0000000000000</gtin>
  <additionalTradeItemIdentification
    additionalTradeItemIdentificationTypeCode="SA">8400123</additionalTradeItemIdentification>
    <additionalTradeItemIdentification
    additionalTradeItemIdentificationTypeCode="MF">CDS-9013</additionalTradeItemIdentification>
    <additionalTradeItemIdentification
    additionalTradeItemIdentificationTypeCode="ZZ">1814</additionalTradeItemIdentification>
```

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```
<additionalTradeItemIdentification
   additionalTradeItemIdentificationTypeCode="ZCO">KR</additionalTradeItemIdentificati
   on>
      <additionalTradeItemIdentification
   additionalTradeItemIdentificationTypeCode="HS">9506190000
</additionalTradeItemIdentification>
      </tradeItemIdentification>
-  <itemDataTradingPartnerNeutral>
   <effectiveDateTime>2014-10-05T00:00:00</effectiveDateTime>
   <tradeItemBaseUnitOfMeasure>PCE</tradeItemBaseUnitOfMeasure>
   <startAvailabilityDateTime>2014-10-05T00:00:00</startAvailabilityDateTime>
   <endAvailabilityDateTime>2015-12-31T00:00:00</endAvailabilityDateTime>
   <tradeItemClassificationCode
   additionalTradeItemClassificationCodeListCode="J">BH</tradeItemClassificationCode>
<tradeItemClassificationCode
   additionalTradeItemClassificationCodeListCode="J">QI</tradeItemClassificationCode>
-  <itemDataWeightAndDimension>
   <depth measurementUnitCode="MTR">0.25</depth>
   <height measurementUnitCode="MTR">0.40</height>
   <netWeight measurementUnitCode="KGM">23</netWeight>
   <width measurementUnitCode="MTR">0.60</width>
      </itemDataWeightAndDimension>
      </itemDataTradingPartnerNeutral>
      <itemDataTradingPartnerDependent>
         <tradeItemSpecificUnitOfMeasure>PCE</tradeItemSpecificUnitOfMeasure>
         <orderQuantityMultiple>5</orderQuantityMultiple>
      -  <itemDataLogisticUnitInformation>
         <tradeItemQuantity>10</tradeItemQuantity>
         </itemDataLogisticUnitInformation>
         </itemDataTradingPartnerDependent>
      </itemDataNotificationLineItem>
      </itemDataNotification>
      </item_data_notification:itemDataNotificationMessage>
```

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