Message Implementation Guideline

InventoryReport XML

Model: InventoryReport
Version: GS1 BMB 3.1
Variant: 3
Issue date: 03.04.2019
Author: Vidar Thoresen
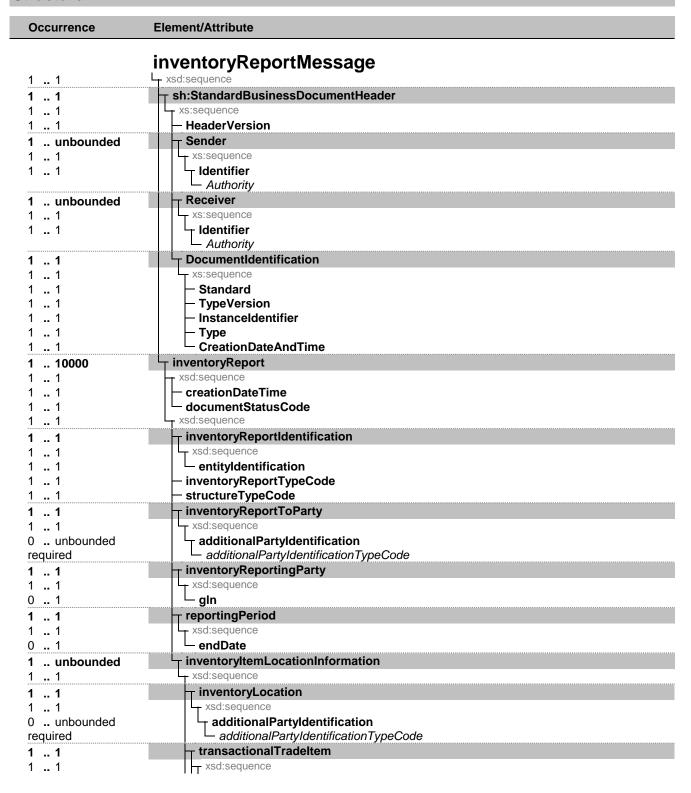
Change log InventoryReport

Date	Variant	Comments
14.04.2019	3	Merged GS1 3.1 for Axia and Nyce systems

Structure

Occurrence	Element/Attribute

inventoryReportMessage

Occurrence	Element/Attribute
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	**inventoryReport**
1 .. 1	└ xsd:sequence
1 .. 1	**creationDateTime**
1 .. 1	**documentStatusCode**
1 .. 1	└ xsd:sequence
1 .. 1	**inventoryReportIdentification**
1 .. 1	└ xsd:sequence
1 .. 1	**entityIdentification**
1 .. 1	**inventoryReportTypeCode**
1 .. 1	**structureTypeCode**
1 .. 1	**inventoryReportToParty**
1 .. 1	└ xsd:sequence
0 .. unbounded	**additionalPartyIdentification**
required	└ *additionalPartyIdentificationTypeCode*
1 .. 1	**inventoryReportingParty**
1 .. 1	└ xsd:sequence
0 .. 1	**gln**
1 .. 1	**reportingPeriod**
1 .. 1	└ xsd:sequence
0 .. 1	**endDate**
1 .. unbounded	**inventoryItemLocationInformation**
1 .. 1	└ xsd:sequence
1 .. 1	**inventoryLocation**
1 .. 1	└ xsd:sequence
0 .. unbounded	**additionalPartyIdentification**
required	└ *additionalPartyIdentificationTypeCode*
1 .. 1	**transactionalTradeItem**
1 .. 1	└ xsd:sequence

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

Occurrence	Element/Attribute
1 **..** 1	**gtin**
0 **..** unbounded	**additionalTradeItemIdentification**
required	*additionalTradeItemIdentificationTypeCode*
1 **..** 1	xsd:sequence
0 **..** 1	**tradeItemQuantity**
	measurementUnitCode
0 **..** 1	**tradeItemDescription**
required	*languageCode*
0 .. unbounded	**transactionalItemData**
1 **..** 1	xsd:sequence
0 **..** 1	**batchNumber**
0 **..** 1	**bestBeforeDate**
0 **..** unbounded	**serialNumber**
0 .. unbounded	**inventoryStatusLineItem**
1 **..** 1	xsd:sequence
1 **..** 1	**lineItemNumber**
1 .. unbounded	**inventoryStatusQuantitySpecification**
1 **..** 1	xsd:sequence
1 **..** 1	**inventoryStatusType**
1 **..** 1	**quantityOfUnits**

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InventoryReport; GS1 BMB 3.1; 3	Issue date: 03.04.2019	Print date: 17.04.2019
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Guideline

Element/Attribute	Annotation		
inventoryReportMessage	Type	inventory_report:InventoryReportMessageType	
└ 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	**GLN for sender of the message**	
	Example	**7080000950171**	
└ *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	**Client Id**	
	Example	**12345**	
└ *Authority*	Type	xsd:string	
	Example	**ZZ**	
	Applicable Codes		
	14	EAN International	
	ZZ	Mutually defined	
├ **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	**InventoryReport**	
└ **CreationDateAndTime**	Occurence	1 .. 1	
	Type	xsd:dateTime	
	Remark	**Creation date/time for the message**	
	Remark	**2014-10-08T10:00:00**	
├ **inventoryReport**	Occurence	1 .. 10000	
	Type	inventory_report:InventoryReportType	
├ xsd:sequence	Occurence	1 .. 1	

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Element/Attribute	Annotation		
— **creationDateTime**	Occurence	1 **..** 1	
	Type	xsd:dateTime	
	Remark	**Creation date/tims for the document**	
	Example	**2014-10-08T10:00:00**	
— **documentStatusCode**	Occurence	1 **..** 1	
	Type	shared_common:DocumentStatusEnumerationType	
	Example	**ORIGINAL**	
	Applicable Codes		
	ORIGINAL		
└ xsd:sequence	Occurence	1 **..** 1	
— **inventoryReportIdentification**	Occurence	1 **..** 1	
	Type	shared_common:EntityIdentificationType	
└ xsd:sequence	Occurence	1 **..** 1	
— **entityIdentification**	Occurence	1 **..** 1	
	Type	restriction (xsd:string)	
	Length	1 **..** 80	
	Remark	**Document/message number**	
	Example	**4567819**	
— **inventoryReportTypeCode**	Occurence	1 **..** 1	
	Type	inventory_report:InventoryReportTypeEnumerationType	
	Example	**INVENTORY_STATUS**	
	Applicable Codes		
	INVENTORY_STATUS		
— **structureTypeCode**	Occurence	1 **..** 1	
	Type	ecom_common:StructureTypeCodeType	
	Length	1 **..** 80	
	Remark	**Required**	
	Example	**1**	
— **inventoryReportToParty**	Occurence	1 **..** 1	
	Type	ecom_common:TransactionalPartyType	
└ xsd:sequence	Occurence	1 **..** 1	
— **additionalPartyIdentification**	Occurence	0 **..** unbounded	
	Type	shared_common:AdditionalPartyIdentificationType	
	Length	1 **..** 80	
	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
— **inventoryReportingParty**	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 reporting Party**	
	Example	**7080003388100**	
— **reportingPeriod**	Occurence	1 **..** 1	
	Type	shared_common:DateTimeRangeType	
└ xsd:sequence	Occurence	1 **..** 1	
└ **endDate**	Occurence	0 **..** 1	
	Type	xsd:date	
	Remark	**Activity report date**	

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Element/Attribute	Annotation	
	Example	**2014-10-08**
inventoryItemLocationInformation	**Occurence**	1 .. unbounded
	Type	inventory_report:InventoryItemLocationInformationType
xsd:sequence	**Occurence**	1 .. 1
inventoryLocation	**Occurence**	1 .. 1
	Type	ecom_common:TransactionalPartyType
xsd:sequence	**Occurence**	1 .. 1
additionalPartyIdentification	**Occurence**	0 .. unbounded
	Type	shared_common:AdditionalPartyIdentificationType
	Length	1 .. 80
	Remark	**Internal Warehouse code**
	Example	**BERGER**
	Applicable Codes	
	BERGER	
	SKADE	
	SPERR	
additionalPartyIdentificationTypeCode	**Type**	restriction (xsd:string)
	Length	1 .. 80
	Use	required
	Example	**88**
	Applicable Codes	
	88	Assigned by the owner of operation
transactionalTradeItem	**Occurence**	1 .. 1
	Type	ecom_common:TransactionalTradeItemType
xsd:sequence	**Occurence**	1 .. 1
gtin	**Occurence**	1 .. 1
	Type	shared_common:GTINType
	Pattern	\d{14}
	Remark	**GTIN - if used otherwise zeros will be sent**
	Example	**0000000000000**
additionalTradeItemIdentification	**Occurence**	0 .. unbounded
	Type	shared_common:AdditionalTradeItemIdentificationType
	Length	1 .. 80
	Remark	**Buyer's article number**
	Example	**554488**
additionalTradeItemIdentificationTypeCode	**Type**	restriction (xsd:string)
	Length	1 .. 80
	Use	required
	Example	**IN**
	Applicable Codes	
	IN	Buyer's Item number
	SA	Supplier's article number
	ZGR	Grade
	ZST	Status
xsd:sequence	**Occurence**	1 .. 1
tradeItemQuantity	**Occurence**	0 .. 1
	Type	shared_common:QuantityType
	Remark	**Quantity in stock**
	Example	**22**
measurementUnitCode	**Type**	restriction (xsd:string)
	Length	1 .. 80
	Example	**PCE**
	Applicable Codes	
	PCE	pieces
tradeItemDescription	**Occurence**	0 .. 1
	Type	shared_common:Description200Type
	Length	1 .. 200

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Element/Attribute	Annotation	
└─ *languageCode*	**Type**	restriction (xsd:string)
	Length	1 **..** 80
	Use	required
	Applicable Codes	
	FI	FINLAND
	NO	NORWAY
	SE	SWEDEN
└─ **transactionalItemData**	**Occurence**	0 **..** unbounded
	Type	ecom_common:TransactionalItemDataType
└─ xsd:sequence	**Occurence**	1 **..** 1
└─ **batchNumber**	**Occurence**	0 **..** 1
	Type	restriction (xsd:string)
	Length	1 **..** 80
	Remark	**Batch number**
	Example	**123907**
└─ **bestBeforeDate**	**Occurence**	0 **..** 1
	Type	xsd:date
	Remark	**Best before date**
	Example	**20150101**
└─ **serialNumber**	**Occurence**	0 **..** unbounded
	Type	restriction (xsd:string)
	Length	1 **..** 20
	Remark	**Serial number**
	Example	**2345678**
└─ **inventoryStatusLineItem**	**Occurence**	0 **..** unbounded
	Type	inventory_report:InventoryStatusLineItemType
└─ xsd:sequence	**Occurence**	1 **..** 1
└─ **lineItemNumber**	**Occurence**	1 **..** 1
	Type	xsd:positiveInteger
	FractionDigits	0
	Inclusive	1 **..**
	Example	**1**
└─ **inventoryStatusQuantitySpecification**	**Occurence**	1 **..** unbounded
	Type	ecom_common:InventoryStatusQuantitySpecificationType
└─ xsd:sequence	**Occurence**	1 **..** 1
└─ **inventoryStatusType**	**Occurence**	1 **..** 1
	Type	ecom_common:InventoryStatusCodeType
	Length	1 **..** 80
	Remark	**Status**
	Example	**AVAILABLE_FOR_SALE**
	Applicable Codes	
	AVAILABLE_FOR_SALE	
	BLOCKED	
	QUARANTINED	
└─ **quantityOfUnits**	**Occurence**	1 **..** 1
	Type	shared_common:QuantityType
	Remark	**Quantity in stock**
	Example	**22**

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```xml
<?xml version="1.0" encoding="Windows-1252"?>
<ns0:inventoryReportMessage xmlns:ns0="urn:gs1:ecom:inventory_report:xsd:3">
        <sh:StandardBusinessDocumentHeader
xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader">
                <sh:HeaderVersion>3.1</sh:HeaderVersion>
                <sh:Sender>
                        <sh:Identifier Authority="14">7080000950171</sh:Identifier>
                </sh:Sender>
                <sh:Receiver>
                        <sh:Identifier Authority="ZZ">999999</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>InventoryReport</sh:Type>
                        <sh:CreationDateAndTime>2019-04-10T10:49:07</sh:CreationDateAndTime>
                </sh:DocumentIdentification>
        </sh:StandardBusinessDocumentHeader>
        <inventoryReport>
                <creationDateTime>2019-04-10T05:30:00</creationDateTime>
                <documentStatusCode>ORIGINAL</documentStatusCode>
                <inventoryReportTypeCode>INVENTORY_STATUS</inventoryReportTypeCode>
                <structureTypeCode>ITEM_BY_LOCATION</structureTypeCode>
                <inventoryReportToParty>
                        <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">999999</additionalPartyIdentification>
                </inventoryReportToParty>
                <inventoryReportingParty>
                        <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">BERGER</additionalPartyIdentification>
                </inventoryReportingParty>
                <reportingPeriod>
                        <endDate>2019-04-10</endDate>
                </reportingPeriod>
                <inventoryItemLocationInformation>
                        <inventoryLocation>
                                <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">BERGER</additionalPartyIdentification>
                        </inventoryLocation>
                        <transactionalTradeItem>
                                <gtin>00000000000000</gtin>
                                <additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="BUYER_ASSIGNED">111111111111</additionalTradeItemIdentific
ation>
                                <tradeItemQuantity measurementUnitCode="PCE">1</tradeItemQuantity>
                        </transactionalTradeItem>
                        <inventoryStatusLineItem>
                                <lineItemNumber>1</lineItemNumber>
                                <inventoryStatusQuantitySpecification>

        <inventoryStatusType>AVAILABLE_FOR_SALE</inventoryStatusType>
                                        <quantityOfUnits
measurementUnitCode="STK">1</quantityOfUnits>
                                </inventoryStatusQuantitySpecification>
```

```
                                </inventoryStatusLineItem>
                        </inventoryItemLocationInformation>
                        <inventoryItemLocationInformation>
                                <inventoryLocation>
                                        <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">BERGER</additionalPartyIdentification>
                                </inventoryLocation>
                                <transactionalTradeItem>
                                        <gtin>00000000000000</gtin>
                                        <additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="BUYER_ASSIGNED">222222222222</additionalTradeItemIdentific
ation>
                                        <tradeItemQuantity
measurementUnitCode="PCE">12</tradeItemQuantity>
                                </transactionalTradeItem>
                                <inventoryStatusLineItem>
                                        <lineItemNumber>2</lineItemNumber>
                                        <inventoryStatusQuantitySpecification>

        <inventoryStatusType>AVAILABLE_FOR_SALE</inventoryStatusType>
                                                <quantityOfUnits
measurementUnitCode="STK">12</quantityOfUnits>
                                        </inventoryStatusQuantitySpecification>
                                </inventoryStatusLineItem>
                        </inventoryItemLocationInformation>
                        <inventoryItemLocationInformation>
                                <inventoryLocation>
                                        <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">BERGER</additionalPartyIdentification>
                                </inventoryLocation>
                                <transactionalTradeItem>
                                        <gtin>00000000000000</gtin>
                                        <additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="BUYER_ASSIGNED">333333333333</additionalTradeItemIdentific
ation>
                                        <tradeItemQuantity measurementUnitCode="PCE">5</tradeItemQuantity>
                                </transactionalTradeItem>
                                <inventoryStatusLineItem>
                                        <lineItemNumber>3</lineItemNumber>
                                        <inventoryStatusQuantitySpecification>

        <inventoryStatusType>AVAILABLE_FOR_SALE</inventoryStatusType>
                                                <quantityOfUnits
measurementUnitCode="STK">5</quantityOfUnits>
                                        </inventoryStatusQuantitySpecification>
                                </inventoryStatusLineItem>
                        </inventoryItemLocationInformation>
                        <inventoryItemLocationInformation>
                                <inventoryLocation>
                                        <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">BERGER</additionalPartyIdentification>
                                </inventoryLocation>
                                <transactionalTradeItem>
                                        <gtin>00000000000000</gtin>
```

```
							<additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="BUYER_ASSIGNED">444444444444</additionalTradeItemIdentific
ation>
							<tradeItemQuantity
measurementUnitCode="PCE">14</tradeItemQuantity>
						</transactionalTradeItem>
						<inventoryStatusLineItem>
							<lineItemNumber>4</lineItemNumber>
							<inventoryStatusQuantitySpecification>

		<inventoryStatusType>AVAILABLE_FOR_SALE</inventoryStatusType>
								<quantityOfUnits
measurementUnitCode="STK">14</quantityOfUnits>
							</inventoryStatusQuantitySpecification>
						</inventoryStatusLineItem>
					</inventoryItemLocationInformation>
					<inventoryItemLocationInformation>
						<inventoryLocation>
							<additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">BERGER</additionalPartyIdentification>
						</inventoryLocation>
						<transactionalTradeItem>
							<gtin>00000000000000</gtin>
							<additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="BUYER_ASSIGNED">555555555555</additionalTradeItemIdentific
ation>
							<tradeItemQuantity measurementUnitCode="PCE">6</tradeItemQuantity>
						</transactionalTradeItem>
						<inventoryStatusLineItem>
							<lineItemNumber>5</lineItemNumber>
							<inventoryStatusQuantitySpecification>

		<inventoryStatusType>AVAILABLE_FOR_SALE</inventoryStatusType>
								<quantityOfUnits
measurementUnitCode="STK">6</quantityOfUnits>
							</inventoryStatusQuantitySpecification>
						</inventoryStatusLineItem>
					</inventoryItemLocationInformation>
				</inventoryReport>
</ns0:inventoryReportMessage>
```