Message Implementation Guideline

InventoryReport Adjustments XML

Model: InventoryReport_adjustments
Version: GS1 BMB 3.1
Variant: 3
Issue date: 03.04.2019
Author: Vidar Thoresen

Change log
InventoryReportAdjustments

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 .. 1	**gln**
1 .. 1	**inventoryReportingParty**
1 .. 1	xsd:sequence
0 .. unbounded	**additionalPartyIdentification**
required	*additionalPartyIdentificationTypeCode*
1 .. 1	**reportingPeriod**
1 .. 1	xsd:sequence
0 .. 1	**endDate**
0 .. 1	**endTime**
1 .. unbounded	**inventoryItemLocationInformation**
1 .. 1	xsd:sequence
1 .. 1	**inventoryLocation**
1 .. 1	xsd:sequence
0 .. unbounded	**additionalPartyIdentification**
required	*additionalPartyIdentificationTypeCode*
1 .. 1	**transactionalTradeItem**

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

Occurrence	Element/Attribute
1 **..** 1	xsd:sequence
1 **..** 1	**gtin**
0 **..** unbounded	**additionalTradeItemIdentification**
required	*additionalTradeItemIdentificationTypeCode*
1 **..** 1	xsd:sequence
0 **..** 1	**tradeItemQuantity**
	measurementUnitCode
0 .. unbounded	**transactionalItemData**
0 .. unbounded	**inventoryActivityLineItem**
1 **..** 1	xsd:sequence
1 **..** 1	**lineItemNumber**
1 .. unbounded	**inventoryActivityQuantitySpecification**
1 **..** 1	xsd:sequence
1 **..** 1	**inventoryActivityTypeCode**
1 **..** 1	**quantityOfUnits**
	measurementUnitCode
0 .. unbounded	**transactionalItemData**
1 **..** 1	xsd:sequence
0 **..** 1	**batchNumber**
0 **..** unbounded	**serialNumber**

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InventoryReport_adjustments; GS1 BMB 3.1; 3   Issue date: 03.04.2019   Print date: 17.04.2019
Generated by GEFEG.FX   Page: 4 / 10

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_ACTIVITY**	
	Applicable Codes		
	INVENTORY_ACTIVITY		
├─ **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	
└─ **gln**	Occurence	0 .. 1	
	Type	shared_common:GLNType	
	Pattern	\d{13}	
	Remark	**GLN for Report To Party**	
	Example	**7393321400011**	
├─ **inventoryReportingParty**	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	
├─ **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**
└ **endTime**	**Occurence**	0 .. 1
	Type	xsd:time
	Remark	**Activity Report Time**
	Example	**10:00:00**
└ **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	
	4033	
	5500	
	BERGER	
	BS07	
	BS17	
	BS19	
	BS24	
	NCD	
└ *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
└ xsd:sequence	**Occurence**	1 .. 1
└ **tradeItemQuantity**	**Occurence**	0 .. 1
	Type	shared_common:QuantityType
	Remark	**Quantity in stock**
	Example	**22**

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Element/Attribute	Annotation	
└ *measurementUnitCode*	**Type**	restriction (xsd:string)
	Length	1 **..** 80
	Example	**PCE**
	Applicable Codes	
	PCE	pieces
└ **transactionalItemData**	**Occurence**	0 **..** unbounded
	Type	ecom_common:TransactionalItemDataType
├ **inventoryActivityLineItem**	**Occurence**	0 **..** unbounded
	Type	inventory_report:InventoryActivityLineItemType
└ xsd:sequence	**Occurence**	1 **..** 1
├ **lineItemNumber**	**Occurence**	1 **..** 1
	Type	xsd:positiveInteger
	FractionDigits	0
	Inclusive	1 **..**
	Example	**1**
├ **inventoryActivityQuantitySpecification**	**Occurence**	1 **..** unbounded
	Type	inventory_report:InventoryActivityQuantitySpecificationType
└ xsd:sequence	**Occurence**	1 **..** 1
├ **inventoryActivityTypeCode**	**Occurence**	1 **..** 1
	Type	ecom_common:InventoryActivityTypeCodeType
	Length	1 **..** 80
	Remark	**Reason code**
	Example	**100**
	Applicable Codes	
	100	Skadet vare
	110	Destruksjon
	200	Feil på mottag
	210	Varer funnet
├ **quantityOfUnits**	**Occurence**	1 **..** 1
	Type	shared_common:QuantityType
	Remark	**Quantity (Plus/minus sign)**
	Example	**-2**
└ *measurementUnitCode*	**Type**	restriction (xsd:string)
	Length	1 **..** 80
	Example	**PCE**
	Applicable Codes	
	PCE	pieces
├ **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	**Partinummer**
	Example	**2A435**
└ **serialNumber**	**Occurence**	0 **..** unbounded
	Type	restriction (xsd:string)
	Length	1 **..** 20
	Remark	**Serienummer**
	Example	**50-34-56A**

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```xml
<?xml version="1.0" encoding="utf-8"?>
<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>InventoryReportAdjustment</sh:Type>
                        <sh:CreationDateAndTime>2019-04-12T11:16:04</sh:CreationDateAndTime>
                </sh:DocumentIdentification>
        </sh:StandardBusinessDocumentHeader>
        <inventoryReport>
                <creationDateTime>2019-04-12T11:14:00</creationDateTime>
                <documentStatusCode>ORIGINAL</documentStatusCode>
                <inventoryReportTypeCode>INVENTORY_ACTIVITY</inventoryReportTypeCode>
                <structureTypeCode>1</structureTypeCode>
                <inventoryReportToParty>
                        <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">999999</additionalPartyIdentification>
                </inventoryReportToParty>
                <inventoryReportingParty>
                        <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">NCD</additionalPartyIdentification>
                </inventoryReportingParty>
                <reportingPeriod>
                        <endDate>2019-04-12</endDate>
                        <endTime>11:14:00</endTime>
                </reportingPeriod>
                <inventoryItemLocationInformation>
                        <inventoryLocation>
                                <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">NCD</additionalPartyIdentification>
                        </inventoryLocation>
                        <transactionalTradeItem>
                                <gtin>00000000000000</gtin>
                                <additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="IN">111112222233333</additionalTradeItemIdentification>
                                <tradeItemQuantity measurementUnitCode="STK">0</tradeItemQuantity>
                        </transactionalTradeItem>
                        <inventoryActivityLineItem>
                                <lineItemNumber>1</lineItemNumber>
                                <inventoryActivityQuantitySpecification>
                                        <inventoryActivityTypeCode>60</inventoryActivityTypeCode>
                                        <quantityOfUnits
measurementUnitCode="STK">6</quantityOfUnits>
                                        <transactionalItemData>
                                                <batchNumber>M8888881</batchNumber>
```

Bold = Element, Italic = Attribute, Grey = Group

```
                                        <serialNumber/>
                                    </transactionalItemData>
                                </inventoryActivityQuantitySpecification>
                            </inventoryActivityLineItem>
                        </inventoryItemLocationInformation>
                        <inventoryItemLocationInformation>
                            <inventoryLocation>
                                <additionalPartyIdentification
additionalPartyIdentificationTypeCode="88">NCD</additionalPartyIdentification>
                            </inventoryLocation>
                            <transactionalTradeItem>
                                <gtin>00000000000000</gtin>
                                <additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="IN">888886666633333</additionalTradeItemIdentification>
                                <tradeItemQuantity measurementUnitCode="STK">0</tradeItemQuantity>
                            </transactionalTradeItem>
                            <inventoryActivityLineItem>
                                <lineItemNumber>2</lineItemNumber>
                                <inventoryActivityQuantitySpecification>
                                    <inventoryActivityTypeCode>60</inventoryActivityTypeCode>
                                    <quantityOfUnits
measurementUnitCode="STK">6</quantityOfUnits>
                                    <transactionalItemData>
                                        <batchNumber>M8888882</batchNumber>
                                        <serialNumber/>
                                    </transactionalItemData>
                                </inventoryActivityQuantitySpecification>
                            </inventoryActivityLineItem>
                        </inventoryItemLocationInformation>
                </inventoryReport>
</ns0:inventoryReportMessage>
```