Message Implementation Guideline

Despatch Advice Outbound XML

Model: DespatchAdvice-outbound
Version: GS1 BMB 3.1
Variant: 6
Issue date: 03.04.2019
Author: Vidar Thoresen

Change log DespatchAdvice-outbound

Date	Variant	Comments
14.04.2019	6	Merged GS1 3.1 for Axia and Nyce systems

Structure

Occurrence	Element/Attribute

despatchAdviceMessage

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**
1 .. 1	**DocumentIdentification**
1 .. 1	└ xs:sequence
1 .. 1	─ **Standard**
1 .. 1	─ **TypeVersion**
1 .. 1	─ **InstanceIdentifier**
1 .. 1	─ **Type**
1 .. 1	─ **CreationDateAndTime**
1 .. 10000	**despatchAdvice**
1 .. 1	└ xsd:sequence
1 .. 1	─ **creationDateTime**
1 .. 1	─ **documentStatusCode**
1 .. 1	└ xsd:sequence
1 .. 1	**despatchAdviceIdentification**
1 .. 1	└ xsd:sequence
1 .. 1	└ **entityIdentification**
0 .. 1	**deliveryTypeCode**
0 .. 1	**note**
required	└ *languageCode*
1 .. 1	**receiver**
1 .. 1	└ xsd:sequence
0 .. unbounded	└ **additionalPartyIdentification**
required	└ *additionalPartyIdentificationTypeCode*
1 .. 1	**shipper**
1 .. 1	└ xsd:sequence
0 .. 1	└ **gln**
1 .. 1	**shipTo**
1 .. 1	└ xsd:sequence
0 .. unbounded	└ **additionalPartyIdentification**
required	└ *additionalPartyIdentificationTypeCode*
0 .. 1	**address**
1 .. 1	└ xsd:sequence
0 .. 1	─ **city**
0 .. 1	─ **countryCode**
0 .. 1	─ **name**
0 .. 1	─ **postalCode**
0 .. 1	─ **streetAddressOne**
	inventoryLocation

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

Occurrence	Element/Attribute
1 .. 1	
1 **..** 1	xsd:sequence
0 **..** 1	**gln**
1 **..** 1	**additionalPartyIdentification**
required	*additionalPartyIdentificationTypeCode*
1 .. 1	**despatchInformation**
1 **..** 1	xsd:sequence
0 **..** 1	**despatchDateTime**
0 **..** 1	**estimatedDeliveryDateTime**
0 .. 1	**despatchAdviceTransportInformation**
1 **..** 1	xsd:sequence
0 .. 1	**consignmentIdentification**
1 **..** 1	xsd:sequence
1 **..** 1	**ginc**
0 .. unbounded	**despatchAdviceLogisticUnit**
1 **..** 1	xsd:sequence
0 .. 1	**logisticUnitIdentification**
1 **..** 1	xsd:sequence
1 **..** 1	**sscc**
0 .. 1	**logisticUnitMeasurement**
1 **..** 1	xsd:sequence
0 .. unbounded	**unitMeasurement**
1 **..** 1	xsd:sequence
1 **..** 1	**measurementType**
1 **..** 1	**measurementValue**
required	*measurementUnitCode*
1 **..** 1	xsd:sequence
0 .. unbounded	**despatchAdviceLineItem**
1 **..** 1	xsd:sequence
1 **..** 1	**lineItemNumber**
1 **..** 1	**despatchedQuantity**
	measurementUnitCode
0 **..** 1	**note**
required	*languageCode*
1 .. 1	**transactionalTradeItem**
1 **..** 1	xsd:sequence
1 **..** 1	**gtin**
0 **..** unbounded	**additionalTradeItemIdentification**
required	*additionalTradeItemIdentificationTypeCode*
1 **..** 1	xsd:sequence
0 .. unbounded	**transactionalItemData**
1 **..** 1	xsd:sequence
0 **..** 1	**batchNumber**
0 **..** 1	**bestBeforeDate**
0 **..** 1	**lotNumber**
0 **..** unbounded	**serialNumber**
0 .. unbounded	**transactionalItemWeight**
1 **..** 1	xsd:sequence
1 **..** 1	**measurementType**
1 **..** 1	**measurementValue**
required	*measurementUnitCode*

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Occurrence	Element/Attribute
0 .. 1	**customerReference**
1 **..** 1	xsd:sequence
1 **..** 1	**entityIdentification**

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Guideline

Element/Attribute	Annotation	
despatchAdviceMessage	Type	despatch_advice:DespatchAdviceMessageType
└ 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 (GS1 location code) 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	**123456**
─ **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	**DespatchAdviceOutbound**
└ **CreationDateAndTime**	**Occurence**	1 .. 1
	Type	xsd:dateTime
	Remark	**Message date/time**
	Example	**2014-09-10T12:00:00**
─ **despatchAdvice**	**Occurence**	1 .. 10000
	Type	despatch_advice:DespatchAdviceType
└ xsd:sequence	**Occurence**	1 .. 1
─ **creationDateTime**	**Occurence**	1 .. 1
	Type	xsd:dateTime
	Remark	**Document date/time**
	Example	**2014-09-10T11:00:00**

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Element/Attribute	Annotation	
└─ **documentStatusCode**	Occurence	1 .. 1
	Type	shared_common:DocumentStatusEnumerationType
	Example	**ORIGINAL**
	Applicable Codes	
	ORIGINAL	
└ xsd:sequence	Occurence	1 .. 1
└─ **despatchAdviceIdentification**	Occurence	1 .. 1
	Type	shared_common:EntityIdentificationType
└ xsd:sequence	Occurence	1 .. 1
└─ **entityIdentification**	Occurence	1 .. 1
	Type	restriction (xsd:string)
	Length	1 .. 80
	Remark	**Order number received in the Customer Order 'orderIdentification'**
	Example	**125987**
├─ **deliveryTypeCode**	Occurence	0 .. 1
	Type	ecom_common:DeliveryTypeCodeType
	Length	1 .. 80
	Remark	**Status code from Axia**
	Example	**O4**
	Applicable Codes	
	99	Canceled
	O1	EDI / API data received
	O2	Order allocated
	O3	Order picked
	O4	Order sent
├─ **note**	Occurence	0 .. 1
	Type	shared_common:Description500Type
	Length	1 .. 500
	Remark	**Additional reference received in Customer Order 'note'**
	Example	**69581A**
└ *languageCode*	Type	restriction (xsd:string)
	Length	1 .. 80
	Use	required
	Remark	**Element required**
	Example	**SE**
├─ **receiver**	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	**123456**
└─ *additionalPartyIdentificationTypeCode*	Type	restriction (xsd:string)
	Length	1 .. 80
	Use	required
	Example	**88**
	Applicable Codes	
	88	Assigned by the owner of operation
├─ **shipper**	Occurence	1 .. 1
	Type	ecom_common:TransactionalPartyType
├ xsd:sequence	Occurence	1 .. 1

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Element/Attribute	Annotation		
└ **gln**	Occurence	0 **..** 1	
	Type	shared_common:GLNType	
	Pattern	\d{13}	
	Description	*Only used by Bring Frigo*	
	Remark	**GLN (GS1 location code) for shipper (consignor)**	
	Example	73933217401018	
┌ **shipTo**	Occurence	1 **..** 1	
	Type	ecom_common:TransactionalPartyType	
└ xsd:sequence	Occurence	1 **..** 1	
┌ **additionalPartyIdentification**	Occurence	0 **..** unbounded	
	Type	shared_common:AdditionalPartyIdentificationType	
	Length	1 **..** 80	
	Remark	**Customer id for delivery party**	
	Example	**50296**	
└ *additionalPartyIdentificationTypeCode*	Type	restriction (xsd:string)	
	Length	1 **..** 80	
	Use	required	
	Example	**88**	
	Applicable Codes		
	88	Assigned by the owner of operation	
┌ **address**	Occurence	0 **..** 1	
	Type	shared_common:AddressType	
┌ xsd:sequence	Occurence	1 **..** 1	
┌ **city**	Occurence	0 **..** 1	
	Type	restriction (xsd:string)	
	Length	1 **..** 200	
	Remark	**ShipTo cityname**	
	Example	**OSLO**	
┌ **countryCode**	Occurence	0 **..** 1	
	Type	shared_common:CountryCodeType	
	Length	1 **..** 80	
	Remark	**Use ISO 3166 Alpha**	
	Example	**NO**	
┌ **name**	Occurence	0 **..** 1	
	Type	restriction (xsd:string)	
	Length	1 **..** 200	
	Remark	**ShipTo name**	
	Example	**ICA Kvantum**	
┌ **postalCode**	Occurence	0 **..** 1	
	Type	restriction (xsd:string)	
	Length	1 **..** 80	
	Remark	**ShipTo postal code**	
	Example	**1000**	
┌ **streetAddressOne**	Occurence	0 **..** 1	
	Type	restriction (xsd:string)	
	Length	1 **..** 200	
	Remark	**ShipTo Street adress**	
	Example	**Lagervejen 14**	
┌ **inventoryLocation**	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 warehouse location**	
	Example	**7393321401018**	

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Element/Attribute	Annotation	
└─ **additionalPartyIdentification**	Occurence	1 .. 1
	Type	shared_common:AdditionalPartyIdentificationType
	Length	1 .. 80
	Remark	**Warehouse location**
	Example	**BERGER**
	Applicable Codes	
	4033	Stavanger (Norway)
	5500	Haugesund (Norway)
	AES	Ålesund (Norway)
	BERGER	Berger/Skedsmokorset (Norway)
	BS02	Kongshavn (Norway)
	BS07	Trollåsen (Norway)
	BS17	Bergen (Norway)
	BS26	Trondheim (Norway)
	BS34	Tromsø (Norway)
	FI01	(Finland)
	JKPG01	Jönköping (Sweden)
	NCD	Lierstrand (Norway)
├─ **despatchInformation**	Occurence	1 .. 1
	Type	ecom_common:DespatchInformationType
└─ xsd:sequence	Occurence	1 .. 1
├─ **despatchDateTime**	Occurence	0 .. 1
	Type	xsd:dateTime
	Remark	**Despatch date/time from warehouse**
	Example	**2014-10-09T10:12:00**
└─ **estimatedDeliveryDateTime**	Occurence	0 .. 1
	Type	xsd:dateTime
	Remark	**Estimated delivery Date**
	Example	**2014-10-11T00:00:00**
├─ **despatchAdviceTransportInformation**	Occurence	0 .. 1
	Type	despatch_advice: DespatchAdviceTransportInformationType
└─ xsd:sequence	Occurence	1 .. 1
├─ **consignmentIdentification**	Occurence	0 .. 1
	Type	shared_common:ConsignmentIdentificationType
└─ xsd:sequence	Occurence	1 .. 1
└─ **ginc**	Occurence	1 .. 1
	Type	shared_common:GINCType
	Pattern	[-!"%&'()*+,./0-9:;<=>?A-Z_a-z]{4,30}
	Remark	**GINC (Global Shipment Identification Number)**
	Remark	**As this is a required element fill in '73500538500000019' if GINC not is in use**
	Example	**73500538500000019**
├─ **despatchAdviceLogisticUnit**	Occurence	0 .. unbounded
	Type	despatch_advice:DespatchAdviceLogisticUnitType
└─ xsd:sequence	Occurence	1 .. 1
├─ **logisticUnitIdentification**	Occurence	0 .. 1
	Type	shared_common:LogisticUnitIdentificationType
└─ xsd:sequence	Occurence	1 .. 1
└─ **sscc**	Occurence	1 .. 1
	Type	shared_common:SSCCType
	Pattern	\d{18}
	Remark	**SSCC (Serial shipping container code)**
	Example	**373323991248161986**
├─ **logisticUnitMeasurement**	Occurence	0 .. 1
	Type	ecom_common:LogisticUnitMeasurementType

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Element/Attribute	Annotation		
└ xsd:sequence	**Occurence**	1 .. 1	
└ **unitMeasurement**	**Occurence**	0 ..	unbounded
	Type	ecom_common:UnitMeasurementType	
└ xsd:sequence	**Occurence**	1 .. 1	
├ **measurementType**	**Occurence**	1 .. 1	
	Type	ecom_common:MeasurementTypeCodeType	
	Length	1 .. 80	
	Example	**AAD**	
	Applicable Codes		
	AAD	Total Gross Weight	
├ **measurementValue**	**Occurence**	1 .. 1	
	Type	shared_common:MeasurementType	
	Remark	**Total Gross Weight**	
	Example	**825**	
└ *measurementUnitCode*	**Type**	restriction (xsd:string)	
	Length	1 .. 80	
	Use	required	
	Example	**KGM**	
	Applicable Codes		
	KGM	kilogram	
├ xsd:sequence	**Occurence**	1 .. 1	
└ **despatchAdviceLineItem**	**Occurence**	0 ..	unbounded
	Type	despatch_advice:DespatchAdviceLineItemType	
└ xsd:sequence	**Occurence**	1 .. 1	
├ **lineItemNumber**	**Occurence**	1 .. 1	
	Type	xsd:positiveInteger	
	FractionDigits	0	
	Inclusive	1	..
	Remark	**Line item number**	
	Example	**1**	
├ **despatchedQuantity**	**Occurence**	1 .. 1	
	Type	shared_common:QuantityType	
	Remark	**Number of packages despatched**	
	Example	**50**	
└ *measurementUnitCode*	**Type**	restriction (xsd:string)	
	Length	1 .. 80	
	Example	**PCE**	
	Applicable Codes		
	PCE	pieces	
├ **note**	**Occurence**	0 .. 1	
	Type	shared_common:Description500Type	
	Length	1 .. 500	
	Remark	**Note sent i the CustomerOrder will be returned**	
	Example	**12-234-90A**	
└ *languageCode*	**Type**	restriction (xsd:string)	
	Length	1 .. 80	
	Use	required	
	Example	**NO**	
	Applicable Codes		
	NO		
├ **transactionalTradeItem**	**Occurence**	1 .. 1	
	Type	ecom_common:TransactionalTradeItemType	
├ xsd:sequence	**Occurence**	1 .. 1	
├ **gtin**	**Occurence**	1 .. 1	
	Type	shared_common:GTINType	
	Pattern	\d{14}	

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Element/Attribute	Annotation	
	Remark	**GTIN 13 (GS1 article number) if not used fillin zeros**
	Example	**0000000000000**
└ **additionalTradeItemIdentification**	**Occurence**	0 **..** unbounded
	Type	shared_common:AdditionalTradeItemIdentificationType
	Length	1 **..** 80
	Remark	**Supplier's artcle number**
	Example	**123456**
└ *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
└ xsd:sequence	**Occurence**	1 **..** 1
└ **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	**2514780**
└ **bestBeforeDate**	**Occurence**	0 **..** 1
	Type	xsd:date
	Remark	**Best before date (CCYYMMDD)**
	Example	**150101**
└ **lotNumber**	**Occurence**	0 **..** 1
	Type	restriction (xsd:string)
	Length	1 **..** 80
	Remark	**IMEI number**
	Example	**352052063095991**
└ **serialNumber**	**Occurence**	0 **..** unbounded
	Type	restriction (xsd:string)
	Length	1 **..** 20
	Remark	**Serial number**
	Example	**DX3N4582GH4**
└ **transactionalItemWeight**	**Occurence**	0 **..** unbounded
	Type	ecom_common:UnitMeasurementType
└ xsd:sequence	**Occurence**	1 **..** 1
└ **measurementType**	**Occurence**	1 **..** 1
	Type	ecom_common:MeasurementTypeCodeType
	Length	1 **..** 80
	Example	**AAC**
	Applicable Codes	
	AAC	Total net wetght
└ **measurementValue**	**Occurence**	1 **..** 1
	Type	shared_common:MeasurementType
	Remark	**Total net weight**
	Example	**750**
└ *measurementUnitCode*	**Type**	restriction (xsd:string)
	Length	1 **..** 80
	Use	required
	Example	**KGM**

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Element/Attribute	Annotation		
	Applicable Codes		
	KGM	kilogram	
customerReference	Occurence	0 **..** 1	
	Type	shared_common:DocumentReferenceType	
xsd:sequence	Occurence	1 **..** 1	
entityIdentification	Occurence	1 **..** 1	
	Type	restriction (xsd:string)	
	Length	1 **..** 80	
	Remark	**Customer Reference**	
	Example	**69581A**	

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```
<?xml version="1.0" encoding="utf-8"?>
<ns0:despatchAdviceMessage xmlns:ns0="urn:gs1:ecom:despatch_advice: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="30">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>DespatchAdviceOutbound</sh:Type>
                        <sh:CreationDateAndTime>2019-04-15T22:01:35</sh:CreationDateAndTime>
                </sh:DocumentIdentification>
        </sh:StandardBusinessDocumentHeader>
        <despatchAdvice>
                <creationDateTime>2019-04-13T17:00:18</creationDateTime>
                <creationDateTime>2019-04-13T17:00:18</creationDateTime>
                <documentStatusCode>ORIGINAL</documentStatusCode>
                <despatchAdviceIdentification>
                        <entityIdentification>222333222</entityIdentification>
                        <deliveryTypeCode>04</deliveryTypeCode>
                        <note>1226543</note>
                </despatchAdviceIdentification>
                <shipTo>
                        <address>
                                <name>Customer name</name>
                                <postalCode>1088</postalCode>
                                <city>OSLO</city>
                                <countrycode>NO</countrycode>
                                <streetAddressOne>Customer street</streetAddressOne>
                        </address>
                        <contact />
                </shipTo>
                <inventoryLocation>
                        <additionalPartyIdentification>NCD</additionalPartyIdentification>
                </inventoryLocation>
                <despatchInformation>
                        <despatchDateTime>2019-04-13T00:00:00</despatchDateTime>
                </despatchInformation>
                <despatchAdviceTransportInformation>
                        <consignmentIdentification>
                                <ginc>7080000950171</ginc>
                        </consignmentIdentification>
                </despatchAdviceTransportInformation>
                <despatchAdviceLogisticUnit>
                        <despatchAdviceLineItem>
                                <lineItemNumber>10</lineItemNumber>
                                <transactionalTradeItem>
                                        <additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="IN">111111111</additionalTradeItemIdentification>
```

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```
                                        <tradeItemDescription>Article one
description</tradeItemDescription>
                                        <transactionalItemData>
                                                <batchNumber>M11111</batchNumber>
                                                <tradeItemQuantity
measurementUnitCode="PCE">1.0</tradeItemQuantity>
                                        </transactionalItemData>
                                </transactionalTradeItem>
                                <despatchedQuantity
measurementUnitCode="PCE">1.0</despatchedQuantity>
                        </despatchAdviceLineItem>
                </despatchAdviceLogisticUnit>
                <despatchAdviceLogisticUnit>
                        <despatchAdviceLineItem>
                                <lineItemNumber>20</lineItemNumber>
                                <transactionalTradeItem>
                                        <additionalTradeItemIdentification
additionalTradeItemIdentificationTypeCode="IN">222222222</additionalTradeItemIdentification>
                                        <tradeItemDescription>Article two
description</tradeItemDescription>
                                        <transactionalItemData>
                                                <batchNumber>M22222</batchNumber>
                                                <tradeItemQuantity
measurementUnitCode="PCE">1.0</tradeItemQuantity>
                                        </transactionalItemData>
                                </transactionalTradeItem>
                                <despatchedQuantity
measurementUnitCode="PCE">1.0</despatchedQuantity>
                        </despatchAdviceLineItem>
                </despatchAdviceLogisticUnit>
        </despatchAdvice>
</ns0:despatchAdviceMessage>
```

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