



POSTRA for freight

Message implementation guide for Posti transport orders for domestic freight (FI)

Message version 1, release 2 (updated 10.9.2021)

Table of contents

1	General.....	4
2	Message implementation guidelines	4
2.1.1	Content guidelines	4
2.1.2	Technical details	5
2.1.3	Additional information	5
3	Message specification.....	7
4	Sample message(s)	21
4.1	Sample 1: 2 goods item lines, total of 3 packages. Contains dangerous goods.	21
4.2	Sample 2: Consignor is abroad, shipment is transported to Finland by another carrier.	23
4.3	Sample 3: 2 goods item lines, total of 2 packages. Contains dangerous goods packed in limited quantities.....	25

10.9.2021

Version history

Document version	Schema version.release	Date	Comments
0	1.0	10.8.2017	Document created.
1	1.0	14.8.2017	Chapter 1 updated. Message specification added.
2	1.0	17.8.2017	Chapter 1 updated. Message specification updated.
3	1.0	24.8.2017	Message specification updated. Added sample 1.
4	1.0	2.10.2017	Header and footer information updated.
5	1.0	14.11.2017	Message specification updated.
6	1.0	21.11.2017	Message specification updated, Descriptions updated.
7	1.0	8.12.2017	First draft version is published
8	1.1	11.10.2019	<ul style="list-style-type: none"> * New schema (MessageRelease = 1). Is compatible to release 0. The element changed to mandatory. * Default encoding is UTF-8 * New 'LimitedQuantity' field (boolean) added to inform dangerous goods classified details in limited quantities (LQ). * LimitedQuantityWeight decimals 2 > 3 Supplementings to description texts: * Posti will charge penalty fee for manual correction of missing or erroneous data * ShipmentDate is PickupDate, if PickupDate not sent * @timeEarliest and @timeLatest cannot be the same timestamp value * How LimitedQuantityWeight differ from LimitedQuantity * SSCC codes <i>must</i> be sent with leading zeroes
9	1.1	16.6.2020	<ul style="list-style-type: none"> * Shipment/Totals and GoodsItem/GrossWeight, Volume, LoadingMeter allow max. 3 decimals. * All parties (CONSIGNEE, CONSIGNOR, PICKUP, DELIVERY, PAYER) has Street2 address allowed. *PAYER Name1 is always mandatory. * Namespace added to MIG root element. * DangerousGoods Provisions added
10	1.2	10.09.2021	<ul style="list-style-type: none"> * New schema (MessageRelease = 2) Is compatible to previous releases. *COD is no longer available for FI domestic * Party Account @type 'VAT' and TAX_NUMBER added for roles CONSIGNOR and CONSIGNEE

1 General

This document is the guide to implementing and using Posti's POSTRA message for freight.

POSTRA is used to issue instructions regarding forwarding/transport services for a shipment under conditions agreed. One shipment can consist of several goods items.

Guidelines for other products (parcel, pickup) are in separate documents that can be found at api.posti.fi.

2 Message implementation guidelines

2.1.1 Content guidelines

Decimal mark to be used is dot (.). Use normal rounding rules.

Default encoding "UTF-8" is used. It can be mentioned in message header (`<?xml version="1.0" encoding="UTF-8"?>`), however not mandatory as it is default, if not otherwise specified.

The payer contract number is different for freight and parcel. Please check that you are using the correct contract number.

2.1.1.1 How to use GoodsItems

Packages of the same content, size and weight should be grouped into one GoodsItem element. Measurements (weight, volume, loading meters) are the totals for all these packages.

Values for shipment total measurements are the sums of all GoodsItem values.

Example 1: 3 packages, 40.2 kg each. The total weight for the shipment is the same as the total weight for this GoodsItem element.

```
<GoodsItems>
  <GoodsItem>
    <PackageQuantity @type="CT">3</PackageQuantity>
    <ContentDescription>Spare parts</ContentDescription>
    <GrossWeight>120.600</GrossWeight>
    <Volume>0.450</Volume>
    <Packages>
      <Package>
        <TrackingNumber>00123456789012345678</TrackingNumber>
      </Package>
      <Package>
        <TrackingNumber>00123456789012345679</TrackingNumber>
      </Package>
      <Package>
        <TrackingNumber>00123456789012345680</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
</GoodsItems>
```

10.9.2021

```

    </Packages>
  </GoodsItem>
</GoodsItems>

```

Example 2: 2 packages, 40.2 kg each and 1 pallet 1350 kg

The total weight for the shipment is the total for these two GoodsItem elements, i.e. 1430.400 kg.

```

<GoodsItems>
  <GoodsItem>
    <PackageQuantity @type="CT">2</PackageQuantity>
    <ContentDescription>Spare parts</ContentDescription>
    <GrossWeight>80.400</GrossWeight>
    <Volume>0.300</Volume>
    <Packages>
      <Package>
        <TrackingNumber>00123456789012345678</TrackingNumber>
      </Package>
      <Package>
        <TrackingNumber>00123456789012345679</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
  <GoodsItem>
    <PackageQuantity @type="EUR">1</PackageQuantity>
    <ContentDescription>Machine</ContentDescription>
    <GrossWeight>1350.000</GrossWeight>
    <LoadingMeter>0.4</LoadingMeter>
    <Packages>
      <Package>
        <TrackingNumber>00123456789012345680</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
</GoodsItems>

```

2.1.2 Technical details

Message transfer is done via REST API and authentication needs to be done using Posti Authentication API. You need Posti Extranet service account username and password. For more information, please see <https://api.posti.fi/api-authentication.html>.

Other message transfer protocols must be discussed and agreed with Posti.

Recommendation is to send one shipment per message. Exceptions can be made if agreed with Posti.

2.1.3 Additional information

Some elements can only contain certain values. These are marked in the specification with "see separate Posti code list". This code list is available at

10.9.2021

api.posti.fi and contains allowed values for these elements. The values may differ depending on the product and use case (freight, parcel, pickup).

Posti will charge penalty fee for manual correction of missing or erroneous data. We charge correction / supplementation fee for correcting Payer contract number, address details, phone numbers, ADR information, chargeable weight and missing additional service codes.

3 Message specification

Element/attribute name	M/O/C	Repeat	Type	Description
<Postra xmlns="http://api.posti.fi/xml/POSTRA/1">	M	1		Root element of the message with namespace.
Header	M	1		Header element.
SenderId	M	1	string (35)	Identifier for the sender. Finnish customers should use Sender ID (FI: OVT-tunnus), which is based on company business id. Foreign customers must always agree with Posti which Sender ID is used.
ReceiverId	M	1	string (35)	Identifier for the receiver. See separate Posti code list.
DocumentDateTime	M	1	dateTime	Date and time when the document is created. Format must be ISO 8601, e.g. 2019-10-14T10:00:00+03:00
Sequence	M	1	string (40)	Unique identifier for the message. Used in message error handling, preferred to use message counter or other technical unique value (GUID), or datetime with milliseconds. Shipment waybill number should NOT be used.
MessageCode	M	1	string (10)	Allowed values: POSTRA
MessageVersion	M	1	string (4)	Allowed values: 1 When message version is upgraded, the previous versions are not compatible with new version. Version upgrade always requires also changes at customer side.
MessageRelease	M	1	string (4)	Allowed values: 2 Different releases within same MessageVersion are compatible with each other. New release doesn't necessarily require changes at customer side.

	TestIndicator	C	0-1	boolean	Allowed value: true Not used in production messages. Mandatory to use "true" when the message is a test message.
	MessageAction	M	1	string (15)	Allowed values: FREIGHT_ORDER
	Shipments	M	1		Collection of shipments.
	Shipment	M	1-99		Shipment details.
	MessageFunctionCode	M	1	string (10)	Allowed values: ORIGINAL Message can be received only once. Posti cannot handle update or cancellation by messages for shipment data. Contact Posti customer service when needed. (CANCEL and REPLACE are not currently in usage)
	ShipmentNumber	M	1	string (35)	Unique shipment/waybill identifier (rahtikirjan numero). Use of LOGY Ry's Finnish domestic waybill number range is preferred. Check with Posti if you want to use alphanumeric identifiers. Please note: this value must be the same as what is printed on the waybill as a barcode.
	ShipmentDateTime	M	1	dateTime	Shipment date/time, e.g. when shipment is ready for transport. Format must be ISO 8601, e.g. 2019-10-14T10:00:00+03:00 ShipmentDate is used as PickupDate if separate PickupDate is not sent. Only date is used; time window is determined by Posti standard service area catalogue, which vary per postal code.
	Product	M	1	string (4)	See separate Posti codelist for allowed transportation code values.
	Services	O	0-1		Collection of additional services codes.
	Service	M	1-10	string (4)	Additional service code. See separate Posti codelist for allowed service code values.
	HandlingCode	O	0-1	string (10)	Used only with separate agreement with Posti.

10.9.2021

		TransportMovement	O	0-1	string (10)	Allowed values: DOMESTIC EXPORT IMPORT
		Totals	M	1		Collection of shipment totals. These values are used as control information. The data on GoodsItem level is used as the primary information source.
		Total	M	1-5	decimal	Total value (weight, volume, etc.). See allowed decimals for each type below.
		@type	M	1	string (20)	WEIGHT Use max 3 decimals. Always in kilograms.
		@type	O	0-1	string (20)	VOLUME Use max 3 decimals. Always in cubic meters.
		@type	O	1	string (20)	PACKAGE_QUANTITY No decimals allowed.
		@type	O	0-1	string (20)	LOADING_METER Use max 3 decimals.
		@type	O	0-1	string (20)	LITER Use max 3 decimals.
		PickupDate	O	0-1	date	Date when Posti is requested to pick up the goods or when Posti carriage starts from terminal. Format must be ISO 8601, e.g. 2019-10-17.
		@timeEarliest	O	0-1	time	Earliest time when goods can be picked up. Format must be ISO 8601, e.g. 10:00:00+03:00. NOTE! The same time stamp is not allowed in @timeEarliest and @timeLatest fields. There must be at least one minute difference. If time window not available, only one of the timestamps can be sent.
		@timeLatest	O	0-1	time	Latest time when goods can be picked up. Format must be ISO 8601, e.g. 16:00:00+03:00.

						NOTE! The same time stamp is not allowed in @timeEarliest and @timeLatest fields. There must be at least one minute difference. If time window not available, only one of the timestamps can be sent.	
			DeliveryDate	C	0-1	date	Date when Posti is requested to deliver the goods. Date is only suggestive; delivery is performed according to Posti transport terms and conditions. Field is mandatory with certain additional services; see separate Posti codelist for more instructions. Format must be ISO 8601, e.g. 2019-10-17.
			@timeEarliest	C	0-1	time	Desired earliest time when goods can be delivered. Format must be ISO 8601, e.g. 10:00:00+03:00. NOTE! The same time stamp is not allowed in @timeEarliest and @timeLatest fields. There must be at least one minute difference. If time window not available, only one of the timestamps can be sent.
			@timeLatest	C	0-1	time	Desired latest time when goods can be delivered. Format must be ISO 8601, e.g. 16:00:00+03:00. NOTE! The same time stamp is not allowed in @timeEarliest and @timeLatest fields. There must be at least one minute difference. If time window not available, only one of the timestamps can be sent.
			Instructions	O	0-1		Collection of instructions.
			Instruction	M	1-3	string (150)	Informational text concerning transportation (“Kuljetusohjeet” printed on domestic waybill). Additional information which cannot contradict terms of service. Note that only additional service codes ensure service fulfilment.
			@type	M	1	string (8)	Allowed values: GENERAL PICKUP DELIVERY
			References	O	0-1		Collection of references.
			Reference	M	1-2	string (60)	Reference value.

		@typeCode	M	1	string (15)	Allowed values: CONSIGNOR (on domestic waybill as 'Lähetäjän viite') CONSIGNEE (on domestic waybill as 'Vastaanottajan viite')
		Reference	C	0-1	string (15)	Reference value.
		@typeCode	M	1	string (15)	Allowed values: INVOICING_CODE So-called 'info code', used in invoicing to group charges on invoice. Can be used only by separate agreement with Posti.
		CodBIC	O	0-1	string (11)	Cash on delivery, BIC (Bank Identifier Code) of the named bank (also known as SWIFT code). COD is NOT available for FI domestic, only Itella Baltics.
		CodIBAN	O	0-1	string (34)	Cash on delivery, bank account in IBAN format. COD is NOT available for FI domestic, only Itella Baltics.
		CodValue	O	0-1	decimal	Cash on delivery value. Use 2 decimals. COD is NOT available for FI domestic, only Itella Baltics.
		@currencyCode	M	1	string (3)	Currency code in ISO 4217 format. COD is NOT available for FI domestic, only Itella Baltics.
		CodReference	O	0-1	string (20)	Cash on delivery, reference. COD is NOT available for FI domestic, only Itella Baltics.
		Parties	M	1		Collection of party details.
		Party	M	1		Address details for party.
		@role	M	1	string (10)	CONSIGNOR
		Account	O	0-1	string (10)	Consignor contract number for Posti freight service.
		@type	M	1	string (10)	CONTRACT
		Account	O	0-1	string (10)	Used only with separate agreement with Posti.
		@type	M	1	string (10)	ADDRESS_ID
		Account	O	0-1	string (15)	Number or value
		@type	M	1	string (10)	Allowed values: VAT – Business Id, VAT number, VOEK or similar (FI: Y-tunnus)

10.9.2021

						Recommended to use when destination is Åland. TAX_NUMBER – Customs tax number (FI: verorajanumero) Recommended to use when destination is Åland.
			Name1	M	1	string (60) Company name. In case Consignor is private person, use first name and last name.
			Location	M	1	Address location.
			Street1	M	1	string (60) Street address. P.O.Box is not valid address in freight services.
			Street2	O	1	string (60) Additional street address info, e.g. gates, doors, floor, etc.
			Postcode	M	1	string (10) Street address postal code. P.O.Box postal codes are not valid in freight services.
			City	M	1	string (60) City name.
			Country	M	1	string (2) Country code in ISO 3166-1 alpha-2 format.
			ContactName	O	0-1	string (35) Contact person's name.
			ContactChannel	O	0-1	string (25) Mobile phone number is preferred to be in the international format, e.g. +358 XX XXX XXXX.
			@channel	M	1	string (10) MOBILE
			ContactChannel	O	0-1	string (25) Other phone number.
			@channel	M	1	string (10) PHONE
			ContactChannel	O	0-1	string (256) E-mail address.
			@channel	M	1	string (10) EMAIL
			Party	M	1	Address details for party.
			@role	M	1	string (10) CONSIGNEE
			Account	O	0-1	string (10) Consignee contract number for Posti freight service.
			@type	M	1	string (10) CONTRACT
			Account	O	0-1	string (10) Used only with separate agreement with Posti.
			@type	M	1	string (10) ADDRESS_ID
			Account	O	0-1	string (15) Number or value.
			@type	M	1	string (10) Allowed values:

									VAT – Business Id, VAT number, VOEK or similar (FI: Y-tunnus) TAX_NUMBER – Customs tax number (FI: verorajanumero)
				Name1	M	1	string (60)		Company name. In case Consignee is private person, use first name and last name.
				Location	M	1			
				Street1	M	1	string (60)		Street address. P.O. Box is not valid address in freight services.
				Street2	O	1	string (60)		Additional street address info, e.g. gates, doors, floor, etc.
				Postcode	M	1	string (10)		Postal code. P.O. Box postal codes are not valid in freight services.
				City	M	1	string (60)		City name.
				Country	M	1	string (2)		Country code in ISO 3166-1 alpha-2 format.
				ContactName	O	0-1	string (35)		Contact person's name.
				ContactChannel	O	0-1	string (25)		Mobile phone number is preferred to be in the international format, e.g. +358 XX XXX XXXX.
				@channel	M	1	string (10)		MOBILE
				ContactChannel	O	0-1	string (25)		Other phone number.
				@channel	M	1	string (10)		PHONE
				ContactChannel	O	0-1	string (256)		E-mail address.
				@channel	M	1	string (10)		EMAIL
				Party	O	1			Address details for party.
				@role	O	0-1	string (10)		PICKUP
				Account	O	0-1	string (10)		Used only with separate agreement with Posti.
				@type	M	1	string (10)		ADDRESS_ID
				Name1	M	1	string (60)		Company name. In case Pickup address is private person, use first name and last name.
				Location	M	1			
				Street1	M	1	string (60)		Street address. P.O. Box is not valid address in freight services.
				Street2	O	1	string (60)		Additional street address info, e.g. gates, doors, floor, etc.
				Postcode	M	1	string (10)		Postal code. P.O. Box postal codes are not valid in freight services.

10.9.2021

				City	M	1	string (60)	City name.
				Country	M	1	string (2)	Country code in ISO 3166-1 alpha-2 format.
				ContactName	O	0-1	string (35)	Contact person's name.
				ContactChannel	O	0-1	string (25)	Mobile phone number is preferred to be in the international format, e.g. +358 XX XXX XXXX.
				@channel	M	1	string (10)	MOBILE
				ContactChannel	O	0-1	string (25)	Other phone number.
				@channel	M	1	string (10)	PHONE
				ContactChannel	O	0-1	string (256)	E-mail address.
				@channel	M	1	string (10)	EMAIL
				Party	O	1		Address details for party.
				@role	O	0-1	string (10)	DELIVERY
				Account	O	0-1	string (10)	Used only with separate agreement with Posti.
				@type	M	1	string (10)	Allowed values: ADDRESS_ID
				Name1	M	1	string (60)	Company name. In case Delivery address is private person, use first name and last name.
				Location	M	1		
				Street1	M	1	string (60)	Street address.
				Street2	O	1	string (60)	Additional street address info, e.g. gates, doors, floor, etc.
				Postcode	M	1	string (10)	Postal code. P.O. Box postal codes are not valid in freight services.
				City	M	1	string (60)	Street address. P.O. Box is not valid address in freight services.
				Country	M	1	string (2)	Country code in ISO 3166-1 alpha-2 format.
				ContactName	O	0-1	string (35)	Contact person's name.
				ContactChannel	O	0-1	string (25)	Mobile phone number is preferred to be in the international format, e.g. +358 XX XXX XXXX.
				@channel	M	1	string (10)	MOBILE

10.9.2021

			ContactChannel	O	0-1	string (25)	Other phone number.
			@channel	M	1	string (10)	PHONE
			ContactChannel	O	0-1	string (256)	E-mail address.
			@channel	M	1	string (10)	EMAIL
			Party	M	1		Address details for party.
			@role	M	1	string (10)	PAYER
			Account	M	1	string (6)	Payer contract number for Posti freight service. The number always consists of 6 digits. Payer can be consignor, consignee or third-party payer. Please note that the contract number is different for freight and parcel.
			@type	M	1	string (10)	CONTRACT
			Name1	M	1	string (60)	Company name. In case Payer is private person, use first name and last name.
			Location	C	1		
			Street1	C	1	string (60)	Street address. Mandatory when payer is a third party, i.e. not consignor or consignee. Recommended to use always.
			Street2	O	1	string (60)	Additional street address info, e.g. gates, doors, floor, etc.
			Postcode	C	1	string (10)	Postal code. Mandatory when payer is a third party, i.e. not consignor or consignee. Recommended to use always.
			City	C	1	string (60)	City name. Mandatory when payer is a third party, i.e. not consignor or consignee. Recommended to use always.

10.9.2021

				Country	C	1	string (2)	Country code in ISO 3166-1 alpha-2 format. Mandatory when payer is a third party, i.e. not consignor or consignee. Recommended to use always.
				ContactName	O	0-1	string (35)	Contact person's name.
				ContactChannel	O	0-1	string (25)	Mobile phone number is preferred to be in the international format, e.g. +358 XX XXX XXXX.
				@channel	M	1	string (10)	MOBILE
				ContactChannel	O	0-1	string (25)	Other phone number.
				@channel	M	1	string (10)	PHONE
				ContactChannel	O	0-1	string (256)	E-mail address.
				@channel	M	1	string (10)	EMAIL
				GoodsItems	M	1		Collection of goods item lines.
				GoodsItem	M	1-999		Goods item line details.
				PackageQuantity	M	1	integer	Number of packages. If GoodsItem (colli or pallet) contains Dangerous Goods, each DG colli or pallet should be sent separately, e.g. PackageQuantity on GoodsItem containing Dangerous Goods should be 1. See more details from sample files.
				@type	M	1	string (3)	Package description code. See separate Posti code list for allowed values.
				ContentDescription	O	0-1	string (100)	Goods content description.
				PackageMarks	O	0-1	string (60)	Package marks and numbers.
				GrossWeight	M	1	decimal	Gross weight in kilograms. Use max 3 decimals.
				Volume	O	0-1	decimal	Volume in cubic meters (m3). Use max 3 decimals.
				LoadingMeter	O	0-1	decimal	Loading meters. Use max 3 decimal.

10.9.2021

					Length	O	0-1	decimal	Length in cm.
					Width	O	0-1	decimal	Width in cm.
					Height	O	0-1	decimal	Height in cm.
					DangerousGoodsItems	O	0-1		Collection of dangerous goods details. Following mandatory and conditional fields are minimum requirements by ADR regulations and law. Consignor is always responsible of correct DG details. See more information: FI: https://support.posti.fi/fi/ohjeet/vaaralliset-ja-kielletyt-aineet/vaaralliset.html EN: https://www.posti.fi/business/help-and-support/instructions/transport-of-dangerous-goods/
					DangerousGoodsItem	M	1-99		Dangerous goods details. Repeat DangerousGoodsItem loop for each different UN-number.
					RegulationsCode	M	1	string (3)	Dangerous goods regulations code. Allowed values: ADR (= by road)
					UnNo	M	1	string (4)	UN number, always four digits, e.g. 0016.
					MainDanger	M	1	string (4)	Main danger label number (for explosives classification code) , e.g. 1.4S
					SubsidiaryRisk	C	0-3	string (4)	Subsidiary/secondary risk, e.g. 4.2. Mandatory when applicable.
					PackingGroup	C	0-1	string (3)	Packing group. Mandatory when applicable. Allowed values: I II III
					NoDgPackages	O	0-1	integer	Number of dangerous goods packages.
					PackingDescription	O	0-1	string (30)	Description of the dangerous goods package (material, type), e.g. steel drum.

							TotalQuantity	M	1	decimal	Total amount of dangerous goods. In case boolean 'LimitedQuantity' is used, the total quantity of dangerous goods should be gross weight and @unit KGM. Use max 3 decimals.
							@unit	M	1	string (3)	Unit for the dangerous goods quantity. Allowed values: KGM (= weight/mass) LTR (= liters)
							ProperShippingName	M	1	string (200)	Proper shipping name, e.g. ALCOHOLS, N.O.S.
							TechnicalDescription	C	0-1	string (200)	Technical description, e.g. Methanoldioxide. Mandatory when applicable. The technical name supplements the proper shipping name (ADR 3.1.2); mainly substances "N.O.S."
							MarinePollutant	C	0-1	boolean	True if the dangerous goods are marine pollutant and/or environmentally hazardous. Mandatory when applicable. Allowed values: true false
							Provisions	O	0-1	string(200)	Provisions or Additional Special Requirements. Text field to define special information related to the shipment/transport for example: "Carriage in accordance with 1.1.4.2.1"
							Waste	O	0-1	boolean	True if dangerous goods are classified as waste. Allowed values: true false
							TunnelCode	C	0-1	string(10)	Tunnel restriction code, e.g. C500D or B or D/E. Mandatory when applicable.

						Empty	O	0-1	boolean	True if empty dangerous goods packaging. Allowed values: true false
						LimitedQuantity	O	0-1	boolean	In case there are full Dangerous Goods details available, but there is a need to “override” the regulations and inform dangerous goods in limited quantities (LQ), this field is used. Such use case can be valid, for example, when transport mode and regulations changes from Sea (IMDG) or Air (IATA/ICAO) to Road (ADR), e.g. Sea and Air require full DG details with a mention of LQ packing, but Road transport requires only LQ gross mass information. Note, that all classified substances mandatory fields are still required within one DangerousGoodsItem loop. Don't send empty element! If LimitedQuantity = true, inform LQ gross weight in DangerousGoodsItem/TotalQuantity element with unit attribute KGM. Don't inform the same LQ weight in GoodsItem/LimitedQuantityWeight element. LimitedQuantity Boolean and LimitedQuantityWeight elements are exclusionary for each other. Allowed value: true false
						LimitedQuantityWeight	C	0-1	decimal	Used when dangerous goods are packed in limited quantities and full DG details are not required by ADR regulations. Sum all LQ packed DG gross weights included to one GoodsItem (e.g. one colli, or pallet) and inform the total LQ gross weight here. Amount is always gross weight in kg. Mandatory when applicable. Use max 3 decimals.
						WasteCode	O	0-1	string (6)	When waste transport in question, waste code has to be given. Code is always 6 digits, e.g. 160103. Certain wastes also require dangerous goods details.



10.9.2021

Packages		C	0-1		Collection of packages.
Package		M	1-999		Package details.
	TrackingNumber	M	1	string (35)	Package/colli ID which is printed on package label as barcode. Can be SSCC, ANSI, etc. format code, but SSCC is preferred. SSCC codes must be sent with the two leading zeroes, e.g. 20 digits must be sent.

10.9.2021

4 Sample message(s)

4.1 Sample 1: 2 goods item lines, total of 3 packages. Contains dangerous goods.

Message contains the additional service code 5100 (= scheduled delivery), DeliveryDate, including timeEarliest and timeLatest, must be filled in.

Additional service code 5103 (= call before delivery) requires that the mobile number for the consignee (or delivery address, if that is used) must be filled in.

```
<?xml version="1.0"?>
<Postra xmlns="http://api.posti.fi/xml/POSTRA/1">
  <Header>
    <SenderId>COMPANYXYZ</SenderId>
    <ReceiverId>003715318644</ReceiverId>
    <DocumentDateTime>2019-10-17T10:00:00+03:00</DocumentDateTime>
    <Sequence>000000001</Sequence>
    <MessageCode>POSTRA</MessageCode>
    <MessageVersion>1</MessageVersion>
    <MessageRelease>2</MessageRelease>
    <TestIndicator>true</TestIndicator>
    <MessageAction>FREIGHT_ORDER</MessageAction>
  </Header>
  <Shipments>
    <Shipment>
      <MessageFunctionCode>ORIGINAL</MessageFunctionCode>
      <ShipmentNumber>123456789011</ShipmentNumber>
      <ShipmentDateTime>2019-10-17T09:55:00+03:00</ShipmentDateTime>
      <Product>2004</Product>
      <Services>
        <Service>5100</Service>
        <Service>5103</Service>
      </Services>
      <TransportMovement>DOMESTIC</TransportMovement>
      <Totals>
        <Total type="WEIGHT">1520.00</Total>
        <Total type="VOLUME">2.303</Total>
        <Total type="PACKAGE_QUANTITY">3</Total>
        <Total type="LOADING_METER">0.4</Total>
      </Totals>
      <PickupDate timeEarliest="08:00:00+03:00" timeLatest="15:00:00+03:00">2019-10-17</PickupDate>
      <DeliveryDate timeEarliest="12:00:00+03:00" timeLatest="14:00:00+03:00">2019-10-18</DeliveryDate>
      <Instructions>
        <Instruction type="GENERAL">Be aware of slippery loading platform.</Instruction>
      </Instructions>
      <References>
        <Reference typeCode="CONSIGNOR">WID0751389</Reference>
        <Reference typeCode="CONSIGNEE">301038 1651</Reference>
      </References>
      <Parties>
        <Party role="CONSIGNOR">
          <Account type="CONTRACT">6007</Account>
          <Name1>Oy Yritys Ab</Name1>
          <Location>
            <Street1>Teollisuustie 3</Street1>
            <Postcode>00230</Postcode>
            <City>Helsinki</City>
            <Country>FI</Country>
          </Location>
          <ContactName>Matti Meikäläinen</ContactName>
          <ContactChannel channel="MOBILE">+358 40 123 1234</ContactChannel>
          <ContactChannel channel="EMAIL">matti.meikalainen@oyyritysab.fi</ContactChannel>
        </Party>
        <Party role="CONSIGNEE">
          <Name1>Oy Firma Ab</Name1>

```

10.9.2021

```

    <Location>
      <Street1>Yritystie 1</Street1>
      <Postcode>33100</Postcode>
      <City>Tampere</City>
      <Country>FI</Country>
    </Location>
    <ContactName>Vieno Vastaanottaja</ContactName>
    <ContactChannel channel="MOBILE">+358 50 999 9999</ContactChannel>
    <ContactChannel channel="EMAIL">vieno.vastaanottaja@oyfirmaab.fi</ContactChannel>
  </Party>
  <Party role="PAYER">
    <Account type="CONTRACT">8XXXX</Account>
    <Name1>Oy Yritys Ab</Name1>
    <Location>
      <Street1>Teollisuustie 3</Street1>
      <Postcode>00230</Postcode>
      <City>Helsinki</City>
      <Country>FI</Country>
    </Location>
  </Party>
</Parties>
<GoodsItems>
  <GoodsItem>
    <PackageQuantity type="EUR">1</PackageQuantity>
    <ContentDescription>Beverages</ContentDescription>
    <PackageMarks>0-87X</PackageMarks>
    <GrossWeight>1496.00</GrossWeight>
    <Volume>2.250</Volume>
    <LoadingMeter>0.4</LoadingMeter>
    <DangerousGoodsItems>
      <DangerousGoodsItem>
        <RegulationsCode>ADR</RegulationsCode>
        <UnNo>1013</UnNo>
        <MainDanger>2.2</MainDanger>
        <NoDgPackages>4</NoDgPackages>
        <TotalQuantity unit="KGM">136.000</TotalQuantity>
        <ProperShippingName>Hiilidioksidi</ProperShippingName>
        <TunnelCode>C/E</TunnelCode>
      </DangerousGoodsItem>
      <DangerousGoodsItem>
        <RegulationsCode>ADR</RegulationsCode>
        <UnNo>1956</UnNo>
        <MainDanger>2.2</MainDanger>
        <NoDgPackages>4</NoDgPackages>
        <TotalQuantity unit="LTR">104.000</TotalQuantity>
        <ProperShippingName>Puristettu kaasu, N.O.S</ProperShippingName>
        <TechnicalDescription>Typpi ja hiilidioksidi</TechnicalDescription>
        <TunnelCode>E</TunnelCode>
      </DangerousGoodsItem>
    </DangerousGoodsItems>
    <Packages>
      <Package>
        <TrackingNumber>00123456789012345678</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
  <GoodsItem>
    <PackageQuantity type="CC">2</PackageQuantity>
    <ContentDescription>Advertising material</ContentDescription>
    <GrossWeight>24.00</GrossWeight>
    <Volume>0.053</Volume>
    <Length>30</Length>
    <Width>50</Width>
    <Height>35</Height>
    <Packages>
      <Package>
        <TrackingNumber>00123456789012345679</TrackingNumber>
      </Package>
      <Package>
        <TrackingNumber>00123456789012345680</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>

```

10.9.2021

```

    </Package>
  </Packages>
</GoodsItem>
</GoodsItems>
</Shipment>
</Shipments>
</Postra>

```

4.2 Sample 2: Consignor is abroad, shipment is transported to Finland by another carrier.

Posti's responsibility start from Posti terminal, for the FI domestic delivery leg. In this use case party role PICKUP is mandatory and it must be in Finland. (Only consignor can be abroad.)

Additional service code 5109 is used (Delivery to terminal). PickupDate informs when date when Posti transportation is expected to start from terminal. Payer is third party, e.g. not Consignor or Consignee.

Consignor VAT and TAX_NUMBER are informed because delivery is to Åland. (Consignee VAT and TAX_NUMBER are only supplementary info in sample message.)

```

<?xml version="1.0"?>
<Postra xmlns="http://api.posti.fi/xml/POSTRA/1">
  <Header>
    <SenderId>COMPANYXYZ</SenderId>
    <ReceiverId>003715318644</ReceiverId>
    <DocumentDateTime>2021-09-10T10:00:00+03:00</DocumentDateTime>
    <Sequence>000000001</Sequence>
    <MessageCode>POSTRA</MessageCode>
    <MessageVersion>1</MessageVersion>
    <MessageRelease>2</MessageRelease>
    <TestIndicator>true</TestIndicator>
    <MessageAction>FREIGHT_ORDER</MessageAction>
  </Header>
  <Shipments>
    <Shipment>
      <MessageFunctionCode>ORIGINAL</MessageFunctionCode>
      <ShipmentNumber>123456789012</ShipmentNumber>
      <ShipmentDateTime>2021-09-10T09:55:00+03:00</ShipmentDateTime>
      <Product>2004</Product>
      <Services>
        <Service>5109</Service>
      </Services>
      <TransportMovement>DOMESTIC</TransportMovement>
      <Totals>
        <Total type="WEIGHT">520.00</Total>
        <Total type="PACKAGE_QUANTITY">1</Total>
        <Total type="LOADING_METER">0.4</Total>
      </Totals>
      <PickupDate timeEarliest="08:00:00+03:00" timeLatest="15:00:00+03:00">2021-09-12</PickupDate>
      <References>
        <Reference typeCode="CONSIGNEE">301038-X-16</Reference>
      </References>
      <Parties>
        <Party role="CONSIGNOR">
          <Account type="CONTRACT">9607</Account>
          <Account type="VAT">SE1234567890</Account>
          <Account type="TAX_NUMBER">TAX654987-9</Account>
          <Name1>Company Corporation</Name1>
          <Location>
            <Street1>Industrial street 237</Street1>
            <Postcode>271 43</Postcode>
            <City>Ystad</City>
            <Country>SE</Country>
          </Location>
        </Party>
      </Parties>
    </Shipment>
  </Shipments>
</Postra>

```

10.9.2021

```

    </Location>
  </Party>
  <Party role="PICKUP">
    <Name1>Posti Oy PKS Terminal</Name1>
    <Location>
      <Street1>Suokalliontie 2</Street1>
      <Postcode>01740</Postcode>
      <City>VANTAA</City>
      <Country>FI</Country>
    </Location>
  </Party>
  <Party role="CONSIGNEE">
    <Account type="VAT">1234567-8</Account>
    <Account type="TAX_NUMBER">TAX111222</Account>
    <Name1>Oy Firma Ab</Name1>
    <Location>
      <Street1>Yritystie 1</Street1>
      <Postcode>33100</Postcode>
      <City>Tampere</City>
      <Country>FI</Country>
    </Location>
    <ContactName>Vieno Vastaanottaja</ContactName>
    <ContactChannel channel="MOBILE">+358 50 999 9999</ContactChannel>
  </Party>
  <Party role="DELIVERY">
    <Name1>Oy Warehouse Ab</Name1>
    <Location>
      <Street1>Vägegatan 150</Street1>
      <Postcode>22100</Postcode>
      <City>Mariehamn</City>
      <Country>FI</Country>
    </Location>
    <ContactName>Veikko Varastovastaava</ContactName>
    <ContactChannel channel="PHONE">+35810999888</ContactChannel>
  </Party>
  <Party role="PAYER">
    <Account type="CONTRACT">8XXXX</Account>
    <Name1>Oy Yritys Ab</Name1>
    <Location>
      <Street1>Teollisuustie 3</Street1>
      <Postcode>00230</Postcode>
      <City>Helsinki</City>
      <Country>FI</Country>
    </Location>
  </Party>
</Parties>
<GoodsItems>
  <GoodsItem>
    <PackageQuantity type="EUR">1</PackageQuantity>
    <ContentDescription>Spareparts</ContentDescription>
    <GrossWeight>520.00</GrossWeight>
    <LoadingMeter>0.4</LoadingMeter>
    <Packages>
      <Package>
        <TrackingNumber>00123456789012345678</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
</GoodsItems>
</Shipment>
</Shipments>
</Postra>

```


10.9.2021

4.3 Sample 3: 2 goods item lines, total of 2 packages. Contains dangerous goods packed in limited quantities.

First GoodsItem line (EUR pallet) contains dangerous goods packed in limited quantities, but full classified substances details are also available. According to ADR regulations, full DG details can be sent for LQ as supplementary info. To determine this, boolean <LimitedQuantity> (true) is sent in DangerousGoodsItem loop and TotalQuantity is informed as LQ gross weight. NOTE! In addition to the LQ-boolean, in this use case all classified substances details are mandatory in POSTRA, e.g. RegulationsCode, UnNo, MainDanger, ProperShippingName, TotalQuantity and @unit.

Second GoodsItem line (colli) contains dangerous goods packed in limited quantities. For LQ, full DG details are not mandatory by ADR regulations, so DangerousGoodsItems -loop is not mandatory to send. Instead element <LimitedQuantityWeight> is sent under GoodsItem to inform total LQ gross weight in this package.

```
<?xml version="1.0" encoding="UTF-8"?>
<Postra xmlns="http://api.posti.fi/xml/POSTRA/1">
  <Header>
    <SenderId>COMAPNYXYZ</SenderId>
    <ReceiverId>003715318644</ReceiverId>
    <DocumentDateTime>2019-10-14T14:00:00+03:00</DocumentDateTime>
    <Sequence>0000000001</Sequence>
    <MessageCode>POSTRA</MessageCode>
    <MessageVersion>1</MessageVersion>
    <MessageRelease>2</MessageRelease>
    <TestIndicator>true</TestIndicator>
    <MessageAction>FREIGHT_ORDER</MessageAction>
  </Header>
  <Shipments>
    <Shipment>
      <MessageFunctionCode>ORIGINAL</MessageFunctionCode>
      <ShipmentNumber>123456789013</ShipmentNumber>
      <ShipmentDateTime>2019-10-14T09:55:00+03:00</ShipmentDateTime>
      <Product>2004</Product>
      <Services>
        <Service>5102</Service>
        <Service>5103</Service>
      </Services>
      <TransportMovement>DOMESTIC</TransportMovement>
      <Totals>
        <Total type="WEIGHT">150.50</Total>
        <Total type="VOLUME">2.303</Total>
        <Total type="PACKAGE_QUANTITY">2</Total>
        <Total type="LOADING_METER">0.4</Total>
      </Totals>
      <DeliveryDate timeLatest="14:30:00+03:00">2019-10-15</DeliveryDate>
      <Instructions>
        <Instruction type="GENERAL">Be aware of slippery loading platform.</Instruction>
      </Instructions>
      <References>
        <Reference typeCode="CONSIGNOR">WID0751389</Reference>
        <Reference typeCode="CONSIGNEE">301038 1651</Reference>
      </References>
      <Parties>
        <Party role="CONSIGNOR">
          <Account type="CONTRACT">6007</Account>
          <Name1>Oy Yritys Ab</Name1>
          <Location>
            <Street1>Teollisuustie 3</Street1>
            <Street2>sisäpiha, halli 5</Street2>
            <Postcode>00230</Postcode>
            <City>Helsinki</City>
            <Country>FI</Country>
          </Location>
        </Party>
      </Parties>
    </Shipment>
  </Shipments>
</Postra>
```

10.9.2021

```

    </Location>
    <ContactName>Matti Meikäläinen</ContactName>
    <ContactChannel channel="MOBILE">+358 40 123 1234</ContactChannel>
    <ContactChannel channel="EMAIL">matti.meikalainen@oyyritysab.fi</ContactChannel>
  </Party>
  <Party role="CONSIGNEE">
    <Name1>Oy Firma Ab</Name1>
    <Location>
      <Street1>Yritystie 1</Street1>
      <Street2>portti 2, ovet 6-8</Street2>
      <Postcode>33100</Postcode>
      <City>Tampere</City>
      <Country>FI</Country>
    </Location>
    <ContactName>Vieno Vastaanottaja</ContactName>
    <ContactChannel channel="MOBILE">+358 50 999 9999</ContactChannel>
    <ContactChannel channel="EMAIL">vieno.vastaanottaja@oyfirmaab.fi</ContactChannel>
  </Party>
  <Party role="PAYER">
    <Account type="CONTRACT">8XXXXX</Account>
    <Name1>Oy Yritys Ab</Name1>
    <Location>
      <Street1>Teollisuustie 3</Street1>
      <Postcode>00230</Postcode>
      <City>Helsinki</City>
      <Country>FI</Country>
    </Location>
  </Party>
</Parties>
<GoodsItems>
  <GoodsItem>
    <PackageQuantity type="EUR">1</PackageQuantity>
    <ContentDescription>Electical assessories</ContentDescription>
    <PackageMarks>0-87X</PackageMarks>
    <GrossWeight>1496.00</GrossWeight>
    <Volume>2.250</Volume>
    <LoadingMeter>0.4</LoadingMeter>
    <DangerousGoodsItems>
      <DangerousGoodsItem>
        <RegulationsCode>ADR</RegulationsCode>
        <UnNo>1811</UnNo>
        <MainDanger>8</MainDanger>
        <SubsidiaryRisk>6.1</SubsidiaryRisk>
        <PackingGroup>II</PackingGroup>
        <NoDgPackages>1</NoDgPackages>
        <PackingDescription>laatikko</PackingDescription>
        <TotalQuantity unit="KGM">0.350</TotalQuantity>
        <ProperShippingName>KALIUMVETYDIFLUORIDI, KIINTEÄ</ProperShippingName>
        <TunnelCode>E</TunnelCode>
        <LimitedQuantity>true</LimitedQuantity>
      </DangerousGoodsItem>
    </DangerousGoodsItems>
    <Packages>
      <Package>
        <TrackingNumber>00123456789012345678</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
  <GoodsItem>
    <PackageQuantity type="CC">1</PackageQuantity>
    <ContentDescription>Torjunta-aine</ContentDescription>
    <GrossWeight>4.50</GrossWeight>
    <Volume>0.053</Volume>
    <Length>30</Length>
    <Width>50</Width>
    <Height>35</Height>
    <LimitedQuantityWeight>2.860</LimitedQuantityWeight>
    <Packages>
      <Package>
        <TrackingNumber>00123456789012345680</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>

```



10.9.2021

```
</Package>  
</Packages>  
</GoodsItem>  
</GoodsItems>  
</Shipment>  
</Shipments>  
</Postra>
```