



POSTRA for freight

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

Message version 1, release 1 (updated 16.6.2020)

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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 <p>Supplementings to description texts:</p> <ul style="list-style-type: none"> * 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

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, manifest) 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>
```

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```

    </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

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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: 1 Different releases within same MessageVersion are compatible with each other. New release doesn't necessarily require changes at customer side.

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	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.

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		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.

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						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.

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			@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).
			CodIBAN	O	0-1	string (34)	Cash on delivery, bank account in IBAN format.
			CodValue	O	0-1	decimal	Cash on delivery value. Use 2 decimals.
			@currencyCode	M	1	string (3)	Currency code in ISO 4217 format. Only EUR is allowed in Finnish domestic freight.
			CodReference	O	0-1	string (20)	Cash on delivery, reference.
			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
			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.

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					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
					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.

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	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.
	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.

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	@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
	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

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				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.
				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.

						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

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4 Sample message(s)

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

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

Note also that use of 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>1</MessageRelease>
    <TestIndicator>true</TestIndicator>
    <MessageAction>FREIGHT_ORDER</MessageAction>
  </Header>
  <Shipments>
    <Shipment>
      <MessageFunctionCode>ORIGINAL</MessageFunctionCode>
      <ShipmentNumber>123456789012</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="12:30:00+03:00" timeLatest="14:30:00+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">
```

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```

    <Name1>Oy Firma Ab</Name1>
    <Location>
      <Street1>Yritystie 1</Street1>
      <Postcode>33100</Postcode>
      <City>Tampere</City>
      <Country>FI</Country>
    </Location>
    <ContactName>Vieno Vastanottaja</ContactName>
    <ContactChannel channel="MOBILE">+358 50 999 9999</ContactChannel>
    <ContactChannel channel="EMAIL">vieno.vastanottaja@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>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>
    </Packages>
  </GoodsItem>

```

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```

    <TrackingNumber>00123456789012345680</TrackingNumber>
  </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.

```

<?xml version="1.0"?>
<Postra xmlns="http://api.posti.fi/xml/POSTRA/1">
  <Header>
    <SenderId>COMPANYXYZ</SenderId>
    <ReceiverId>003715318644</ReceiverId>
    <DocumentDateTime>2017-08-17T10:00:00+03:00</DocumentDateTime>
    <Sequence>000000001</Sequence>
    <MessageCode>POSTRA</MessageCode>
    <MessageVersion>1</MessageVersion>
    <MessageRelease>1</MessageRelease>
    <TestIndicator>true</TestIndicator>
    <MessageAction>FREIGHT_ORDER</MessageAction>
  </Header>
  <Shipments>
    <Shipment>
      <MessageFunctionCode>ORIGINAL</MessageFunctionCode>
      <ShipmentNumber>123456789012</ShipmentNumber>
      <ShipmentDateTime>2017-08-17T09:55:00+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">2017-08-17</PickupDate>
      <References>
        <Reference typeCode="CONSIGNEE">301038-X-16</Reference>
      </References>
      <Parties>
        <Party role="CONSIGNOR">
          <Account type="CONTRACT">9607</Account>
          <Name1>Company Corporation</Name1>
          <Location>
            <Street1>Industrial street 237</Street1>
            <Postcode>271 43</Postcode>
            <City>Ystad</City>
            <Country>SE</Country>
          </Location>
        </Party>
        <Party role="PICKUP">
          <Name1>Posti Oy PKS Terminal</Name1>

```

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```

    <Location>
      <Street1>Suokalliontie 2</Street1>
      <Postcode>01740</Postcode>
      <City>VANTAA</City>
      <Country>FI</Country>
    </Location>
  </Party>
  <Party role="CONSIGNEE">
    <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>Kauppakeskuskatu 150</Street1>
      <Postcode>33880</Postcode>
      <City>Lempäälä</City>
      <Country>FI</Country>
    </Location>
    <ContactName>Veikko Varastovastaava</ContactName>
    <ContactChannel channel="PHONE">+35810999888</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>Spareparts</ContentDescription>
    <GrossWeight>520.00</GrossWeight>
    <LoadingMeter>0.4</LoadingMeter>
    <Packages>
      <Package>
        <TrackingNumber>00123456789012345678</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
</GoodsItems>
</Shipment>
</Shipments>
</Postra>

```

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

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send 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>COMAPNYZY</SenderId>
    <ReceiverId>003715318644</ReceiverId>
    <DocumentDateTime>2019-10-14T14:00:00+03:00</DocumentDateTime>
    <Sequence>000000001</Sequence>
    <MessageCode>POSTRA</MessageCode>
    <MessageVersion>1</MessageVersion>
    <MessageRelease>1</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>
          <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>

```


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```

    <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">111555</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>KALJUMVETYDIFLUORIDI, KIIINTEÄ</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>
</GoodsItems>
</Shipment>
</Shipments>
</Postra>

```