



POSTRA for parcel and letter

Message implementation guide for Posti transport orders for parcels and letters

Message version 1, release 2 (updated 10.9.2021)

Table of contents

1	General.....	4
2	Message implementation guidelines	4
2.1	Content guidelines	4
2.1.1	How to use GoodsItems.....	4
2.1.1.1	Multi-parcel shipments	4
2.1.2	Technical details	5
2.1.3	Additional information	6
3	Message specification.....	7
4	Sample message(s)	19
4.1	Sample 1: Maximum message (all available elements) with parcel information.....	19
4.2	Sample 2: Message with Letter information.	22
4.3	Sample 3: Message with Smartpost information.	23

Version history

Document version	Schema	Date	Comments
0	1.0	6.9.2017	Document created.
1	1.0	11.9.2017	Updated chapter 1.
2	1.0	26.9.2017	Added message specification and updated other content.
3	1.0	14.11.2017	Message specification updated
4	1.0	8.12.2017	Message specification updated
5	1.0	15.8.2018	
6	1.1	11.10.2019	New 'LimitedQuantity' field (boolean) added to inform dangerous goods classified details in limited quantities (LQ). The element MessageRelease changed to mandatory.
7	1.1	13.2.2020	Decimal values corrected in sample messages.
8	1.1	16.6.2020	DangerousGoods Provisions added.
9	1.2	10.9.2021	<ul style="list-style-type: none"> *Namespace added in header * UTF-8 encoding allowed with exception *New schema (MessageRelease = 2) Is compatible to previous releases *AgreedDeliveryDate added *Reference @typeCode 'IOSS_NUMBER' added *New Party @role DELIVERY * Party Account @type codes '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 parcels and letters.

POSTRA is used to issue instructions regarding parcel and letter services for a shipment under conditions agreed. One shipment can consist of several goods items.

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

2 Message implementation guidelines

2.1 Content guidelines

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

Encoding "UTF-8" is used, but only character set ISO-8859-1 is allowed.

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

2.1.1 How to use GoodsItems

GoodsItem contains information for one package and it is repeated for each package in a shipment.

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

Example 1: 1 package, 2.5 kg with Postipaketti (Postal Parcel).

```
<GoodsItems>
  <GoodsItem>
    <PackageQuantity @type="PC">1</PackageQuantity>
    <GrossWeight>2.5</GrossWeight>
    <Product>2103</Product>
    <Packages>
      <Package>
        <TrackingNumber @type="POSTI">JJFI65432101234567891</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
</GoodsItems>
```

2.1.1.1 Multi-parcel shipments

In cases where MPS is used, PackageQuantity is the total amount of parcels in the shipment. The value is the same for all GoodsItem elements but there is just one Package element per GoodsItem. See example 2 below.

Example 2: 3 packages, 5.2 kg each (= MPS).

```

<GoodsItems>
  <GoodsItem>
    <PackageQuantity @type="PC">3</PackageQuantity>
    <GrossWeight>5.2</GrossWeight>
    <Product>2102</Product>
    <Services>
      <Service>3102</Service>
    </Services>
    <Packages>
      <Package>
        <TrackingNumber @type="POSTI">JJFI65432101234567891</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
  <GoodsItem>
    <PackageQuantity @type="PC">3</PackageQuantity>
    <GrossWeight>5.2</GrossWeight>
    <Product>2102</Product>
    <Services>
      <Service>3102</Service>
    </Services>
    <Packages>
      <Package>
        <TrackingNumber @type="POSTI">JJFI65432101234567892</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
  <GoodsItem>
    <PackageQuantity @type="PC">3</PackageQuantity>
    <GrossWeight>5.2</GrossWeight>
    <Product>2102</Product>
    <Services>
      <Service>3102</Service>
    </Services>
    <Packages>
      <Package>
        <TrackingNumber @type="POSTI">JJFI65432101234567893</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 api.posti.fi and contains allowed values for these elements. The values may differ depending on the product (freight, parcel, pickup).

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 (17)	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 (17)	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. 2019-10-11T10:00:00+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	O	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: PARCEL_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)	Shipment/waybill identifier (like "rahtikirjan numero" or packing list number). This identifies the shipment, which contains one or more packages to the same recipient within one day.
	ShipmentDateTime	M	1	dateTime	Shipment date/time, e.g. when shipment is ready for transport. Format must be ISO 8601, e.g. 2019-10-11T10:00:00+03:00
	Totals	C	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	1-2	decimal	Total value for weight and quantity of shipment. See allowed decimals for each type below.
	@type	C	1	string (20)	WEIGHT Use 2 decimals. Always in kilograms.
	@type	C	1	string (20)	PACKAGE_QUANTITY No decimals allowed.

		DeliveryDate (AgreedDeliveryDate)	O	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. 2019-09-17. Usage of AgreedDeliveryDate requires always separate service agreement with Posti. AgreedDeliveryDate and DeliveryDate are exclusionary for each other.
		@timeEarliest	O	0-1	time	Desired earliest time when goods can be delivered. Format must be ISO 8601, e.g. 10:00:00+03:00.
		@timeLatest	O	0-1	time	Desired latest time when goods can be delivered. Format must be ISO 8601, e.g. 16:00:00+03:00.
		Instructions	O	0-1		Collection of instructions.
		Instruction	M	1-3	string (150)	Informational text concerning transportation (“Lisätiedot” printed on address label). Note that only additional service codes ensure service fulfilment.
		@type	M	1	string (8)	Allowed values: GENERAL
		References	O	0-1		Collection of references.
		Reference	C	1-3	string (35)	Reference value.
		@typeCode	M	1	string (15)	Allowed values: CONSIGNOR - Printed on invoice report. INVOICE_NUMBER - Used only with international transports. TRANSPORT_UNIT - Used only with Posti's 22-digit transport unit ID. IOSS_NUMBER - Import One-Stop Shop (IOSS) is used for declaration and payment of VAT for distance sales of imported good.
		Reference	C	0-1	string (15)	Reference value.

	@typeCode	M	1	string (15)	Allowed values: INVOICING_CODE - Reference value. So-called info code, used in invoicing to group charges on invoice.
	InsuranceValue	O	0-1	decimal	Insurance value. Use 2 decimals.
	@currencyCode	M	1	string (3)	Currency code in ISO 4217 format. Only EUR is allowed.
	CodBIC	C	0-1	string (11)	Cash on delivery, BIC (Bank Identifier Code) of the named bank (also known as SWIFT code).
	CodIBAN	C	0-1	string (35)	Cash on delivery, bank account in IBAN format.
	CodValue	C	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.
	CodReference	C	0-1	string (35)	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	M	0-1	string (10)	Consignor contract number for Posti parcel service.
	@type	M	1	string (10)	CONTRACT
	Account	O	0-1	string (20)	Number or value
	@type	M	1	string (10)	Allowed values: VAT - Business Id, VAT number, VOEC or similar (FI: Y-tunnus) TAX_NUMBER – Customs tax number (FI: verorajanumero)
	Name1	M	1	string (35)	Company name. In case Consignor is private person, use first name and last name.
	Name2	O	0-1	string (35)	Name, line 2.
	Name3	O	0-1	string (35)	Name, line 3.

					Location	M	1		Address location.
					Street1	M	1	string (35)	Street address, line 1
					Street2	O	0-1	string (35)	Street address, line 2.
					Street3	O	0-1	string (35)	Street address, line 3.
					Postcode	M	1	string (10)	Postal code.
					City	M	1	string (50)	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 preferred be in the international format, e.g. +358 XX XXX XXXX.
					@channel	M	1	string (10)	MOBILE
					ContactChannel	O	0-1	string (25)	Another phone number.
					@channel	M	1	string (10)	PHONE
					ContactChannel	O	0-1	string (255)	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 (20)	Number or value
					@type	M	1	string (10)	Allowed values: VAT - Business Id, VAT number, VOEC or similar (FI: Y-tunnus) TAX_NUMBER - Tax number (FI: verorajanumero)
					Name1	M	1	string (35)	Company name. In case Consignee is private person, use first name and last name.
					Name2	C	0-1	string (35)	Name, line 2. When product is SmartPost, then name of pick-up point is given.
					Name3	O	0-1	string (35)	Name, line 3.

					Location	M	1		Address location.
					Street1	M	1	string (35)	Street address, line 1. When product is SmartPost, then street address of pick-up point is given.
					Street2	O	0-1	string (35)	Street address, line 2.
					Street3	O	0-1	string (35)	Street address, line 3.
					Postcode	M	1	string (10)	Postal code. When product is SmartPost, then postal code of pick-up point is given.
					City	M	1	string (50)	City name. When product is SmartPost, then postal code area name of pick-up point is given.
					Country	M	1	string (2)	Country code in ISO 3166-1 alpha-2 format.
					ContactName	O	0-1	string (35)	Contact person's name.
					@languageCode	O	0-1	string (2)	Language code for arrival notes in Finland, allowed values: fi = Finnish sv = Swedish en = English
					ContactChannel	O	0-1	string (25)	Mobile phone number preferred 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 (255)	E-mail address.
					@channel	M	1	string (10)	EMAIL
					Party	O	1		Address details for party.
					@role	O	0-1	string (10)	DELIVERY - Role used only with Posti external pick-up points in Sweden, Denmark, Norway

	Name1	M	1	string (35)	Pick-up point name, Company name or in case Delivery address is private person, use first name and last name.
	Name2	C	0-1	string (35)	Name, line 2.
	Location	M	1		Address location.
	Street1	M	1	string (35)	Street address, line 1.
	Street2	O	0-1	string (35)	Street address, line 2.
	Street3	O	0-1	string (35)	Street address, line 3.
	Postcode	M	1	string (10)	Postal code.
	City	M	1	string (50)	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.
	@languageCode	O	0-1	string (2)	Language code for arrival notes in Finland, allowed values: fi = Finnish sv = Swedish en = English
	ContactChannel	O	0-1	string (25)	Mobile phone number preferred 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 (255)	E-mail address.
	@channel	M	1	string (10)	EMAIL
	Party	C	0-1		Address details for party.
	@role	M	1	string (10)	PAYER

				Account	M	1	string (6)	Payer contract number for Posti parcel 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. Also note that an additional service code is required if payer party is used.
				@type	M	1	string (10)	CONTRACT
				Name1	O	1	string (35)	Name, line 1.
				GoodsItems	M	1		Collection of goods item lines.
				GoodsItem	M	1-999		Goods item line details.
				PackageQuantity	M	1	integer	Number of packages. Default is 1. See more details for MPS cases in this document on page 4.
				@type	M	1	string (3)	Package description code. See separate Posti code list for allowed values.
				GrossWeight	O	0-1	decimal	Gross weight in kilograms. Use 3 decimals.
				Volume	O	0-1	decimal	Volume in cubic meters (m3). Use 3 decimals.
				Length	O	0-1	decimal	Length in cm.
				Width	O	0-1	decimal	Width in cm.
				Height	O	0-1	decimal	Height in cm.
				GoodsNature	O	0-1	string (1)	Nature of goods. Used only with international postal services. See separate Posti code list for allowed values.
				ReturnCode	O	0-1	string (1)	Return code in case of non-delivery. Only used with international postal services. See separate Posti code list for allowed values.
				CustomsDetails	O	0-1		Collection of customs details.
				CustomsDetail	M	1-99		Customs details.
				Description	M	1	string (35)	Description of content.

						Quantity	O	0-1	string (35)	Quantity and type, e.g. "10 pairs".
						Weight	O	0-1	decimal	Net weight.
						OriginCountry	O	0-1	string (2)	Country of origin of goods. Country code in ISO 3166-1 alpha-2 format.
						TariffNumber	O	0-1	string (12)	HS tariff number.
						@type	O	0-1	string (5)	HS
						DeclaredValue	M	1	decimal	Declared value of goods in commercial invoice or proforma invoice.
						@currencyCode	M	1	string(3)	Currency code in ISO 4217 format.
						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.
						DangerousGoodsItem	M	1-99		Dangerous goods details.
						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.

10.9.2021

							In case boolean 'LimitedQuantity' is used, the total quantity of dangerous goods should be gross weight and @unit KGM. Use 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(50)		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 filed 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 3 decimals.

						RoutingCode	C	0-1	string (35)	Routing code, e.g. 2LSE79172+70000000. Mandatory with certain service codes, e.g. Parcel Connect.
						Product	M	1	string (4)	Product code. See separate Posti product matrix.
						Services	O	0-1		Collection of additional services codes.
						Service	M	1-10	string (4)	Additional service code. See separate Posti product matrix.
						Packages	M	1		Collection of packages.
						Package	M	1		Package details.
						TrackingNumber	C	1	string (35)	Package/colli ID which is printed on package label as barcode. Can be Posti's JJFI code, UPU/S10 or SSCC.
						@type	M	1	string (5)	POSTI
						TrackingNumber	C	1	string (35)	Other unique ID agreed with Posti and this is used only with separate agreement with Posti.
						@type	M	1	string (5)	OTHER

4 Sample message(s)

4.1 Sample 1: Maximum message (all available elements) with parcel information.

This sample message includes one shipment, which includes 3 packages:

1st Express Parcel, with COD, MPS, Fragile and Dangerous Goods (ADR), LQ, Customs details.

2nd Express Parcel, with COD, MPS, Customs details.

3rd Express Parcel, with COD, MPS, Customs details.

```

<?xml version="1.0"?>
<Postra xmlns="http://api.posti.fi/xml/POSTRA/1">
  <Header>
    <SenderId>COMPANY-ID</SenderId>
    <ReceiverId>003715318644</ReceiverId>
    <DocumentDateTime>2021-09-22T12:23:47+03:00</DocumentDateTime>
    <Sequence>1</Sequence>
    <MessageCode>POSTRA</MessageCode>
    <MessageVersion>1</MessageVersion>
    <MessageRelease>2</MessageRelease>
    <TestIndicator>true</TestIndicator>
    <MessageAction>PARCEL_ORDER</MessageAction>
  </Header>
  <Shipments>
    <Shipment>
      <MessageFunctionCode>ORIGINAL</MessageFunctionCode>
      <ShipmentNumber>WB1234567890</ShipmentNumber>
      <ShipmentDateTime>2021-09-22T12:23:47+03:00</ShipmentDateTime>
      <Totals>
        <Total type="WEIGHT">10.50</Total>
        <Total type="PACKAGE_QUANTITY">3</Total>
      </Totals>
      <DeliveryDate timeEarliest="09:00:00+03:00" timeLatest="11:00:00+03:00">2021-09-24</DeliveryDate>
      <Instructions>
        <Instruction type="GENERAL">Some addition information about shipment.</Instruction>
      </Instructions>
      <References>
        <Reference typeCode="INVOICE_NUMBER">IN123456789</Reference>
        <Reference typeCode="INVOICING_CODE">00001</Reference>
        <Reference typeCode="CONSIGNOR">Sender reference</Reference>
        <Reference typeCode="TRANSPORT_UNIT">BB8271010017LV00RR0001</Reference>
        <Reference typeCode="IOSS_NUMBER">IM1234567890</Reference>
      </References>
      <InsuranceValue currencyCode="EUR">123.45</InsuranceValue>
      <CodBIC>NDEAFIHH</CodBIC>
      <CodIBAN>FI2112345600000785</CodIBAN>
      <CodValue currencyCode="EUR">123.50</CodValue>
      <CodReference>1234 123456 898</CodReference>
      <Parties>
        <Party role="CONSIGNOR">
          <Account type="CONTRACT">666666</Account>
          <Account type="VAT">1234567890</Account>
          <Account type="TAX_NUMBER">1234567890</Account>
          <Name1>Sender Name1</Name1>
          <Name2>Sender Name2</Name2>
          <Name3>Sender Name3</Name3>
          <Location>
            <Street1>Sender Street Address1</Street1>
            <Street2>Sender Street Address2</Street2>
            <Street3>Sender Street Address3</Street3>
          </Location>
        </Party>
      </Parties>
    </Shipment>
  </Shipments>
</Postra>

```

10.9.2021

```

        <Postcode>00100</Postcode>
        <City>HELSINKI</City>
        <Country>FI</Country>
    </Location>
    <ContactName languageCode="fi">Sender Contact name</ContactName>
    <ContactChannel channel="MOBILE">000 1234567</ContactChannel>
    <ContactChannel channel="PHONE">0204511</ContactChannel>
    <ContactChannel channel="EMAIL">name.name@sender.com</ContactChannel>
</Party>
<Party role="CONSIGNEE">
    <Name1>Receiver Name1</Name1>
    <Name2>Receiver Name2</Name2>
    <Name3>Receiver Name3</Name3>
    <Location>
        <Street1>Receiver Street Address1</Street1>
        <Street2>Receiver Street Address2</Street2>
        <Street3>Receiver Street Address3</Street3>
        <Postcode>33100</Postcode>
        <City>TAMPERE</City>
        <Country>FI</Country>
    </Location>
    <ContactName languageCode="fi">Receiver Contact name</ContactName>
    <ContactChannel channel="MOBILE">000 7654321</ContactChannel>
    <ContactChannel channel="PHONE">0104511</ContactChannel>
    <ContactChannel channel="EMAIL">name.name@receiver.com</ContactChannel>
</Party>
<Party role="PAYER">
    <Account type="CONTRACT">699999</Account>
    <Name1>Payer name</Name1>
</Party>
</Parties>
<GoodsItems>
    <GoodsItem>
        <PackageQuantity type="PC">3</PackageQuantity>
        <GrossWeight>3.100</GrossWeight>
        <Volume>0.020</Volume>
        <Length>10</Length>
        <Width>20</Width>
        <Height>30</Height>
        <GoodsNature>M</GoodsNature>
        <ReturnCode>H</ReturnCode>
        <CustomsDetails>
            <CustomsDetail>
                <Description>Goods AAA 111</Description>
                <Quantity>1 PCS</Quantity>
                <Weight>2.1</Weight>
                <OriginCountry>CN</OriginCountry>
                <TariffNumber type="HS">64029996</TariffNumber>
                <DeclaredValue currencyCode="USD">12.34</DeclaredValue>
            </CustomsDetail>
            <CustomsDetail>
                <Description>Goods AAA 222</Description>
                <Quantity>2 PCS</Quantity>
                <Weight>2.2</Weight>
                <OriginCountry>CN</OriginCountry>
                <TariffNumber type="HS">64029998</TariffNumber>
                <DeclaredValue currencyCode="USD">123.45</DeclaredValue>
            </CustomsDetail>
        </CustomsDetails>
        <DangerousGoodsItems>
            <DangerousGoodsItem>
                <RegulationsCode>ADR</RegulationsCode>
                <UnNo>0016</UnNo>
                <MainDanger>2.1</MainDanger>
                <SubsidiaryRisk>4.2</SubsidiaryRisk>
                <PackingGroup>II</PackingGroup>
                <NoDgPackages>1</NoDgPackages>
                <PackingDescription>steel drum</PackingDescription>
                <TotalQuantity unit="LTR">5.000</TotalQuantity>
                <ProperShippingName>Alcohol, N.O.S.</ProperShippingName>
                <TechnicalDescription>Methanol dioxide</TechnicalDescription>
            </DangerousGoodsItem>
        </DangerousGoodsItems>
    </GoodsItem>
</GoodsItems>

```

10.9.2021

```

    <MarinePollutant>false</MarinePollutant>
    <TunnelCode>C5000D</TunnelCode>
  </DangerousGoodsItem>
</DangerousGoodsItems>
<LimitedQuantityWeight>1.234</LimitedQuantityWeight>
<RoutingCode>2LFI00230+70000000</RoutingCode>
<Product>2102</Product>
<Services>
  <Service>3101</Service>
  <Service>3102</Service>
  <Service>3104</Service>
  <Service>3162</Service>
</Services>
<Packages>
  <Package>
    <TrackingNumber type="POSTI">JJFI69999912345678901</TrackingNumber>
    <TrackingNumber type="OTHER">006543210987654321</TrackingNumber>
  </Package>
</Packages>
</GoodsItem>
<GoodsItem>
  <PackageQuantity type="PC">3</PackageQuantity>
  <GrossWeight>1.100</GrossWeight>
  <Volume>0.050</Volume>
  <Length>12</Length>
  <Width>22</Width>
  <Height>32</Height>
  <GoodsNature>M</GoodsNature>
  <ReturnCode>H</ReturnCode>
  <CustomsDetails>
    <CustomsDetail>
      <Description>Goods BBB 111</Description>
      <Quantity>1 PCS</Quantity>
      <Weight>1.1</Weight>
      <OriginCountry>CN</OriginCountry>
      <TariffNumber type="HS">64029992</TariffNumber>
      <DeclaredValue currencyCode="USD">1.23</DeclaredValue>
    </CustomsDetail>
  </CustomsDetails>
  <RoutingCode>2LFI00230+70000000</RoutingCode>
  <Product>2102</Product>
  <Services>
    <Service>3101</Service>
    <Service>3102</Service>
  </Services>
  <Packages>
    <Package>
      <TrackingNumber type="POSTI">JJFI69999912345678902</TrackingNumber>
      <TrackingNumber type="OTHER">006543210987654322</TrackingNumber>
    </Package>
  </Packages>
</GoodsItem>
<GoodsItem>
  <PackageQuantity type="PC">3</PackageQuantity>
  <GrossWeight>3.300</GrossWeight>
  <Volume>0.030</Volume>
  <Length>13</Length>
  <Width>23</Width>
  <Height>33</Height>
  <GoodsNature>M</GoodsNature>
  <ReturnCode>H</ReturnCode>
  <CustomsDetails>
    <CustomsDetail>
      <Description>Goods CCC 111</Description>
      <Quantity>1 PCS</Quantity>
      <Weight>3.3</Weight>
      <OriginCountry>CN</OriginCountry>
      <TariffNumber type="HS">64029993</TariffNumber>
      <DeclaredValue currencyCode="USD">2.34</DeclaredValue>
    </CustomsDetail>
  </CustomsDetails>

```

```

<RoutingCode>2LFI00230+70000000</RoutingCode>
<Product>2102</Product>
<Services>
  <Service>3101</Service>
  <Service>3102</Service>
</Services>
<Packages>
  <Package>
    <TrackingNumber type="POSTI">JJFI69999912345678903</TrackingNumber>
    <TrackingNumber type="OTHER">006543210987654323</TrackingNumber>
  </Package>
</Packages>
</GoodsItem>
</GoodsItems>
</Shipment>
</Shipments>
</Postra>

```

4.2 Sample 2: Message with Letter information.

This sample message includes one shipment: one Registered Mail (Letter) with invoicing service:

```

<?xml version="1.0"?>
<Postra xmlns="http://api.posti.fi/xml/POSTRA/1">
  <Header>
    <SenderId>COMPANY-ID</SenderId>
    <ReceiverId>003715318644</ReceiverId>
    <DocumentDateTime>2021-09-22T10:30:00+03:00</DocumentDateTime>
    <Sequence>1</Sequence>
    <MessageCode>POSTRA</MessageCode>
    <MessageVersion>1</MessageVersion>
    <MessageRelease>2</MessageRelease>
    <MessageAction>PARCEL_ORDER</MessageAction>
  </Header>
  <Shipments>
    <Shipment>
      <MessageFunctionCode>ORIGINAL</MessageFunctionCode>
      <ShipmentNumber>WB1234567890</ShipmentNumber>
      <ShipmentDateTime>2021-09-22T10:25:00+03:00</ShipmentDateTime>
      <References>
        <Reference typeCode="INVOICING_CODE">AAA111BBB222</Reference>
      </References>
      <Parties>
        <Party role="CONSIGNOR">
          <Account type="CONTRACT">666666</Account>
          <Name1>Sender Ltd</Name1>
          <Location>
            <Street1>Warehouse Avenue 123</Street1>
            <Postcode>00230</Postcode>
            <City>Helsinki</City>
            <Country>FI</Country>
          </Location>
        </Party>
        <Party role="CONSIGNEE">
          <Name1>Ryan Receiver</Name1>
          <Name2>ABC Shop</Name2>
          <Location>
            <Street1>Business Street 10</Street1>
            <Postcode>33100</Postcode>
            <City>Tampere</City>
            <Country>FI</Country>
          </Location>
          <ContactName languageCode="fi">Ryan Receiver</ContactName>
          <ContactChannel channel="MOBILE">000 7654321</ContactChannel>
          <ContactChannel channel="EMAIL">ryan.receiver@ABC.com</ContactChannel>
        </Party>
        <Party role="PAYER">
          <Account type="CONTRACT">699999</Account>

```

10.9.2021

```

    <Name1>Sender Ltd</Name1>
  </Party>
</Parties>
<GoodsItems>
  <GoodsItem>
    <PackageQuantity type="PC">1</PackageQuantity>
    <GrossWeight>0.310</GrossWeight>
    <Product>5003</Product>
    <Services>
      <Service>3148</Service>
    </Services>
    <Packages>
      <Package>
        <TrackingNumber type="POSTI">RR999999995FI</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
</GoodsItems>
</Shipment>
</Shipments>
</Postra>

```

4.3 Sample 3: Message with Smartpost information.

This sample message includes one Smartpost parcel:

```

<?xml version="1.0"?>
<Postra xmlns="http://api.posti.fi/xml/POSTRA/1">
  <Header>
    <SenderId>COMPANY-ID</SenderId>
    <ReceiverId>003715318644</ReceiverId>
    <DocumentDateTime>2021-09-22T15:30:00+03:00</DocumentDateTime>
    <Sequence>1</Sequence>
    <MessageCode>POSTRA</MessageCode>
    <MessageVersion>1</MessageVersion>
    <MessageRelease>2</MessageRelease>
    <MessageAction>PARCEL_ORDER</MessageAction>
  </Header>
  <Shipments>
    <Shipment>
      <MessageFunctionCode>ORIGINAL</MessageFunctionCode>
      <ShipmentNumber>WB1234567890</ShipmentNumber>
      <ShipmentDateTime>2021-09-22T15:15:00+03:00</ShipmentDateTime>
      <Parties>
        <Party role="CONSIGNOR">
          <Account type="CONTRACT">666666</Account>
          <Name1>Web Shop</Name1>
          <Location>
            <Street1>Sender Street 123</Street1>
            <Postcode>30100</Postcode>
            <City>Tampere</City>
            <Country>FI</Country>
          </Location>
        </Party>
        <Party role="CONSIGNEE">
          <Name1>Ossi Ostaja</Name1>
          <Name2>c/o Pakettiautomaatti, Posti</Name2>
          <Location>
            <Street1>Postintaival 7</Street1>
            <Postcode>00235</Postcode>
            <City>HELSINKI</City>
            <Country>FI</Country>
          </Location>
          <ContactName languageCode="fi">Ossi Ostaja</ContactName>
          <ContactChannel channel="MOBILE">+3580007654321</ContactChannel>
          <ContactChannel channel="EMAIL">ossi.ostaja@consumer.fi</ContactChannel>
        </Party>
      </Parties>
    </Shipment>
  </Shipments>
</Postra>

```

10.9.2021

```
<GoodsItems>
  <GoodsItem>
    <PackageQuantity type="PC">1</PackageQuantity>
    <GrossWeight>0.310</GrossWeight>
    <Product>2103</Product>
    <Services>
      <Service>3201</Service>
    </Services>
    <Packages>
      <Package>
        <TrackingNumber type="POSTI">JJFI69999912345678901</TrackingNumber>
      </Package>
    </Packages>
  </GoodsItem>
</GoodsItems>
</Shipment>
</Shipments>
</Postra>
```