

## **Data distribution – Schemas – Rejected reports submitted on paper form 2021**

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### **Incomes Register Unit**

## Version history

Version	Date	Description
1.0	01/07/2020	Document published.
1.01	30/12/2020	Corrected the Section 2.7 Payer details: updated the figure and corrected the namespace data item in the Payer's address (Address) element.
1.02	26/01/2022	Corrected the Type of the "Report data" data group's Record's clearance reference element. The Type is now irct:String40.



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## 1 GENERAL

### 1.1 Schema

Rejected earnings payment reports and employer's separate reports submitted on a paper form are delivered from the Incomes Register using the **RejectedPaperReportsFromIR** schema.

The namespaces of the schema are the following:

File name	Prefix	Namespace
	xmlns:xs	http://www.w3.org/2001/XMLSchema
RejectedPaperReportsFromIR.xsd	xmlns:rprfir	http://www.tulorekisteri.fi/2019/1/RejectedPaperReportsFromIR
RejectedPaperReportsFromIRTypes.xsd	xmlns:rprfirt	http://www.tulorekisteri.fi/2019/1/RejectedPaperReportsFromIRTypes
IRCommonTypes.xsd	xmlns:irct	http://www.tulorekisteri.fi/2017/1/IRCommonTypes
xmldsig-core-schema.xsd	xmlns:ds	http://www.w3.org/2000/09/xmldsig#

### 1.2 Character set

The schemas of the Incomes Register use UTF-8, which is the default character set of XML. The file must not contain the Byte Order Mark (BOM) character.

The following table presents the requirements for the conversion of special characters appearing in messages.

Character	Description	Presentation format as an entity
&	ampersand	&amp; conversion is mandatory
<	less than	&lt; conversion is mandatory
>	greater than	&gt; conversion is not mandatory, but conforms with best practices
'	apostrophe	&apos; conversion is not mandatory, but conforms with best practices
"	quotation mark	&quot; conversion is not mandatory, but conforms with best practices
--	double hyphen	This character must not appear in an XML file
/*	slash asterisk	This character must not appear in an XML file
&#	ampersand hash	This character must not appear in an XML file

A limited character set is allowed for **reference data**. The allowed characters for the reference data listed below are the numbers 0-9, the letters a-z and A-Z and the symbols " \_ " and "-".

- Record owner's record reference (DeliveryId)

- Payer's report reference (ReportId)
- Subscriber's primary subscription reference (MainSubscriptionId)
- Subscriber's secondary subscription reference (SubscriptionId)
- Sender's message reference (MessageId)

In the following data items, upper and lowercase characters are significant:

- Country codes in all data groups (for example, "DE" is interpreted to be a different code to "De").
- Customer identifiers in all data groups (for example, "150172-999H" is interpreted to be a different identifier to "150172-999h").

### 1.3 Dates and times

Dates (data type xs:date) must not include time zone information. Example of a date:

<StartDate>2017-05-11</StartDate>

Data elements containing times of day (data types xs:dateTime and xs:time) must include the time zone.

Example in the Finnish time zone (standard time, UTC+2):

<Timestamp>2017-05-11T08:00:00+02:00</Timestamp>

<Time>08:00:00+02:00</Time>

Example in UTC time (UTC+0):

<Timestamp>2017-05-11T6:00:00Z</Timestamp>

<Time>06:00:00Z</Time>

## 1.4 Document reading instructions

In the document diagrams, the  $0 \dots \infty$  marking in the bottom right-hand corner of an element means that the element may appear several times or not at all. The  $1 \dots \infty$  marking means that the element may appear several times but it must always appear at least once. The mandatory elements are highlighted with a solid border line and voluntary elements with a dashed border line.

In the document tables, the mandatory or voluntary nature of the elements is depicted with the following markings:

V/M	Description
V	The element is always voluntary. Data groups and data items marked as voluntary are included in the queried record if they contain data (data has been submitted in a report or it is data generated by the Incomes Register) and are included in the data access profile used to query the record.
M	The element is always included if its "parent element" is included.

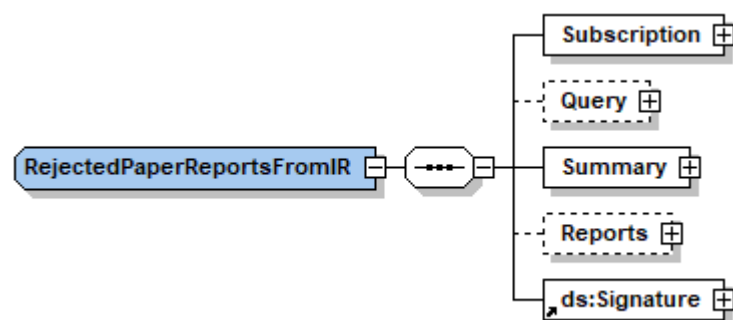
In some elements, messages use a limited range of values, i.e. codes. The possible values for these codes are described in the "Codes" and "Wages – Codes – Income types" documents. This document refers to the values presented in the codesets using the term "codes".

In this document, the data type of the data group is primarily a character string (e.g. `irct:String200`). If an optically read field cannot be interpreted due to an unclear entry or an incorrect value, the value "?" is entered into the field.

## 2 REJECTED REPORTS SUBMITTED ON PAPER FORM (REJECTEDPAPERREPORTSFROMIR)

The record contains rejected reports submitted to the Incomes Register on a paper form. The general structure of a record distributed from the Incomes Register is as follows:

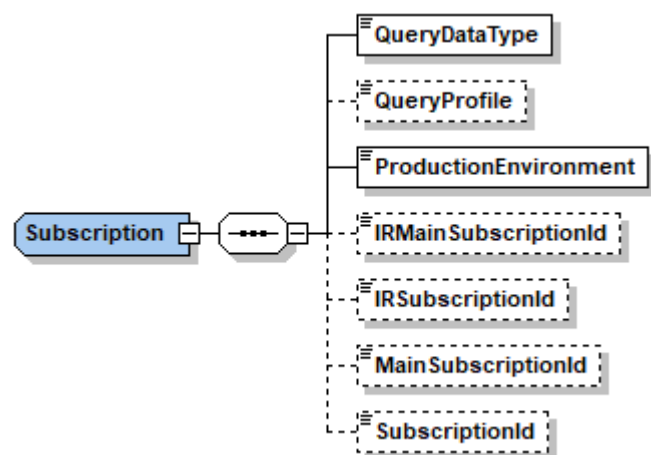
Data group name	Type	V/M
Record subscription details (Subscription)	rprfirt:Subscription	M
Query details (Query)	rprfirt:Query	V
Query summary data (Summary)	rprfirt:Summary	M
Reports data (Reports)	rprfirt:Reports	V
Signature (Signature)	xsig:SignatureType	M



### Data group details:

Data designation	Type	Allowed values	V/M	Processing rule
Record subscription details (Subscription)	rprfirt:Subscription		M	This data group is used to distribute information related to a record subscription.
Query details (Query)	rprfirt:Query		V	This data group is used to distribute information related to a query.
Query summary data (Summary)	rprfirt:Summary		M	This data group is used to distribute summary information related to a query.
Reports data (Reports)	rprfirt:Reports		V	Data of the rejected reports.
Signature (Signature)	xsig:SignatureType		M	The electronic signature of the record is delivered in this data group.

## 2.1 Record subscription details (Subscription)

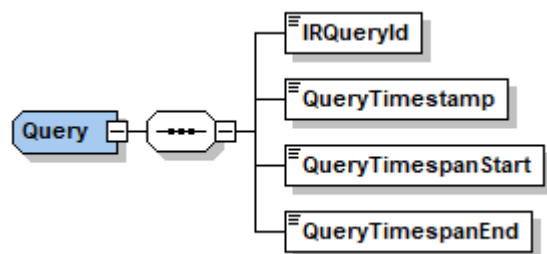


### Data group details:

Data designation	Type	Allowed values	V/ M	Processing rule
Record subscription details (Subscription)	rprfirt:Subscription		M	This data group is used to distribute information related to a record subscription.
Record type (QueryDataType)	xs:int	Codes: QueryDataType	M	Information provided in a record subscription.
Data access profile (QueryProfile)	irct:String40		V	Information provided in a record subscription.
Production environment (ProductionEnvironment)	irct:trueOrFalse	Codes: ProductionEnvironment	M	Information provided in a record subscription.
Incomes Register primary subscription reference (IRMainSubscriptionId)	irct:Guid		V	The Incomes Register primary subscription reference for the primary subscription based on which the record was queried.
Incomes Register secondary subscription reference (IRSubscriptionId)	irct:Guid		V	The Incomes Register secondary subscription reference for the secondary subscription based on which the record was queried.
Subscriber's primary subscription reference (MainSubscriptionId)	irct:String40		V	The subscriber's primary subscription reference for the primary subscription based on which the record was queried.
Subscriber's secondary subscription reference (SubscriptionId)	irct:String40		V	The subscriber's secondary subscription reference for the secondary subscription based on which the record was queried.



## 2.2 Query details (Query)



### Data group details:

Data designation	Type	Allowed values	V/ M	Processing rule
Query details (Query)	rprfirt:Query		V	This data group is used to distribute information related to a query.
Incomes Register query reference (IRQueryId)	irct:Guid		M	The reference assigned by the Incomes Register to the queried record. The reference uniquely identifies every record queried from the Incomes Register.
Query time (QueryTimestamp)	xs:dateTime		M	The date and time when the record was queried.
Start of the query time range for changes (QueryTimespanStart)	xs:dateTime		M	The record includes data changed since this date and time.
End of the query time range for changes (QueryTimespanEnd)	xs:dateTime		M	The record includes data changed up to this date and time.

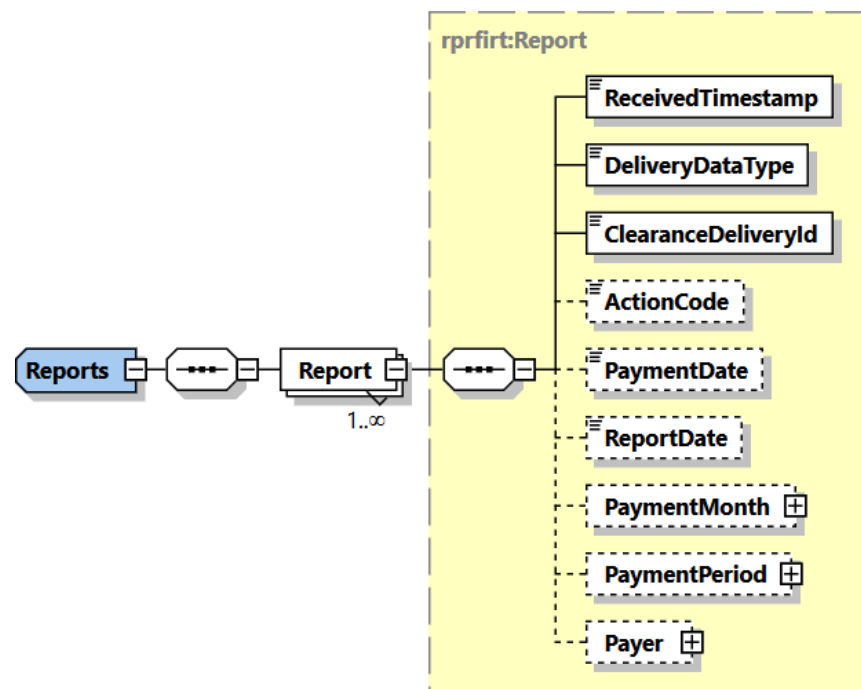
## 2.3 Query summary data (Summary)



### Data group details:

Data designation	Type	Allowed values	V/ M	Processing rule
Query summary data (Summary)	rprfirt:Summary		M	This data group is used to distribute summary information related to a query.
The number of queried items (NrOfReports)	xs:int		M	The number of queried rejected reports submitted on a paper form.

## 2.4 Reports data (Reports)

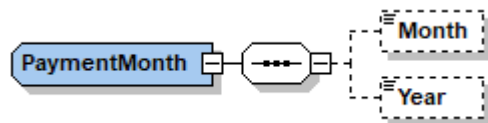


### Data group details:

Data designation	Type	Allowed values	V/M	Processing rule
Reports data (Reports)	rprfirt:Reports		V	Data groups or data items belonging to this data group and marked as voluntary are returned if they were submitted in a report included in the record.
Report data (Report)	rprfirt:Report		M	There may be several reports.
Reception timestamp of the report (ReceivedTimestamp)	xs:dateTime		M	The time when the letter arrived at the digitisation service.
Record type (DeliveryDataType)	xs:int	6101 - Earnings payment report	M	

Data designation	Type	Allowed values	V/M	Processing rule
		6103 - Employer's separate report 6104 - Detailed earnings payment report 6105 - Information on international work 6106 - Employee leasing notice		
Record's clearance reference (ClearanceDeliveryId)	irct:String40		M	A unique reference generated by the Incomes Register for a record comprising a report submitted on a paper form.
Action type (ActionCode)	irct:String200	Codes: ActionCode	V	
Date of payment or other report (PaymentDate)	irct:String200		V	
Reporting date (Reportdate)	irct:String200		V	This data can only be submitted on an employer's separate report (Record type = 6103).
Reporting period (PaymentMonth)	rprfirt:PaymentMonth		V	This data can only be submitted on an employer's separate report (Record type = 6103).
Pay period (PaymentPeriod)	rprfirt:PaymentPeriod		V	
Payer (Payer)	rprfirt:Payer		V	This data group is returned if any of the data in the data group (PayerIds, PayerBasic or Address) has been specified. If no payer details have been specified, nothing is returned.

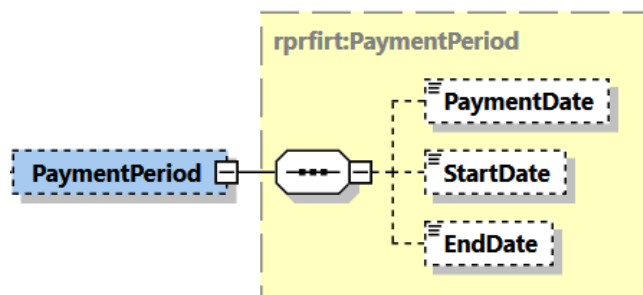
## 2.5 Reporting period (PaymentMonth)



### Data group details:

Data designation	Type	Allowed values	V/ M	Processing rule
Reporting period (PaymentMonth)	rprfirt:PaymentMonth		V	This data can only be submitted on an employer's separate report (Record type = 6103).
Payment month (Month)	irct:String200		V	
Payment year (Year)	irct:String200		V	

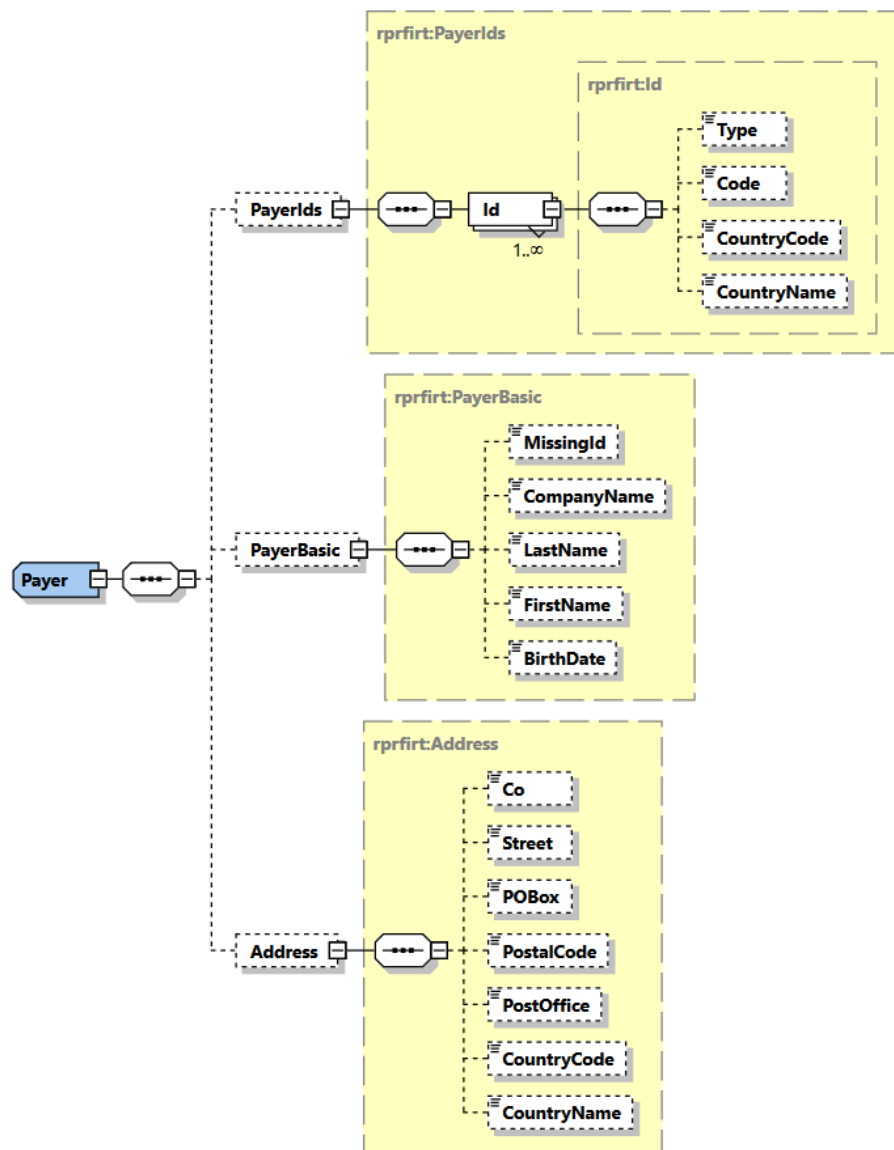
## 2.6 Pay period (PaymentPeriod)



### Data group details:

Data designation	Type	Allowed values	V/ M	Processing rule
Pay period (PaymentPeriod)	rprfirt:PaymentPeriod		V	
Date of payment or other report (PaymentDate)	irct:String200		V	
Start date (StartDate)	irct:String200		V	
End date (EndDate)	irct:String200		V	

## 2.7 Payer details (Payer)



**Data group details:**

Data designation	Type	Allowed values	V/ M	Processing rule
Payer details (Payer)	rprfirt:Payer		V	
Payer identifiers (PayerIds)	rprfirt:PayerIds		V	
Payer's identifier (Id)	rprfirt:Id		M	
Identifier type (Type)	irct:String200	Codes: IdType	V	
Identifier (Code)	irct:String200		V	
Country code (CountryCode)	irct:String200	A two-character code in accordance with the ISO 3166 country codes. If the country is unknown, the value is "99".	V	
Country name (CountryName)	irct:String200		V	
Basic payer details (PayerBasic)	rprfirt:PayerBasic		V	
The payer does not have a customer ID (MissingId)	irct:String200	"true"	V	
Company name (CompanyName)	irct:String200		V	
Last name (LastName)	irct:String200		V	
First name (FirstName)	irct:String200		V	
Date of birth (BirthDate)	irct:String200		V	
Payer's address (Address)	rprfirt:Address		V	
c/o (Co)	irct:String200		V	
Street address (Street)	irct:String200		V	
P.O. Box (POBox)	irct:String200		V	
Postal code (PostalCode)	irct:String200		V	
City (PostOffice)	irct:String200		V	
Country code (CountryCode)	irct:String200	A two-character code in accordance with the ISO 3166 country codes. If the country is unknown, the value is "99".	V	
Country name (CountryName)	irct:String200		V	