

# **RIS CRD USER MANUALS**



Version	Description	Who
v.01	Initial draft	cb
v.02	Finalising first version to publish	cb
v.03	Amendment of chap 10. URLs for service requests	cb

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## 1 Introduction

CRD as part of RIS application is a publicly available application of central reference data according to TAF/TSI. However, it is necessary to have a user account to use the application. Core functionality of CRD is the management of primary and subsidiary location data by infrastructure managers, respectively. Furthermore, the application comprises country and company data according to TAF/TSI regulatory requirements which are provisioned to all participating parties in railway business.

This manual describes in detail the functionalities offered to this user group.

## 2 Login / Logout and Change Password

This topic provides information on how to Login and Logout of the application. It also mentions what to do if you forgot your password, and the method to change your password and your profile details.

### 2.1 Precursor

To be able to access the application via Web-User-Interface you must be set up as a user in RNE's active directory first.

To achieve please contact RNE using the following option

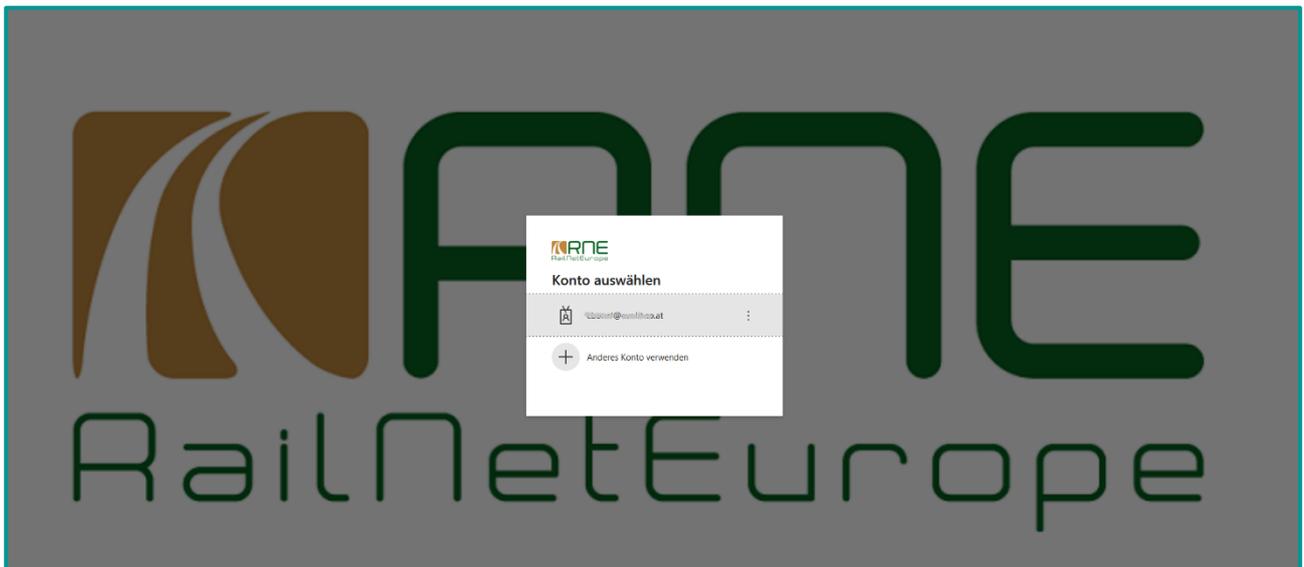
- Email: <xxxxxxxxxxxx>
- Tel: <xxxxxxxxxxxxxx>

### 2.2 Login

the application is opened under the following link:

- <https://newcrd-stage.rne.eu/> for testing purposes and
- <https://newcrd-prod.rne.eu/> for integration with your production system.

Normally, you are automatically logged in by means of your user you are logged in on your device. In case this user deviates from your user set up in RNE's active directory (AD) or you logged out from RIS system, you will be directed to the AD login screen

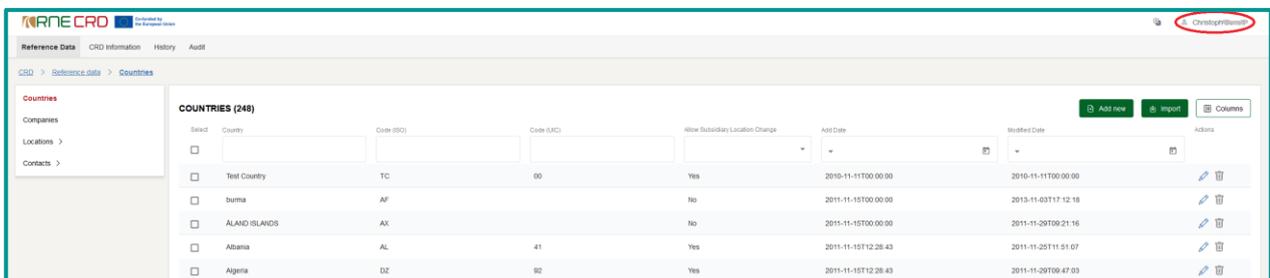


You can either use a proposed account or in case it is not listed chose other account.

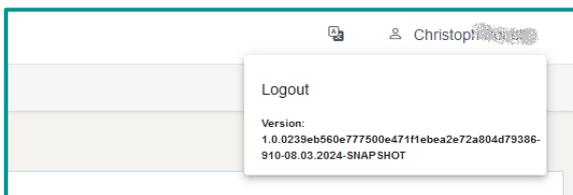
Then you must enter your account credentials

## 2.3 Logout

In RIS you will see always in the upper right corner your account under which you launched the application



Clicking on your user you get an option to logout.



Logout will redirect you to the RNE AD Login screen (see above)

### Version of application:

Can be obtained by clicking on your user. This is sometimes helpful for communication in case of issues with the application.

## 2.4 Change Password

Can be chosen when you log in with your user account



You will receive an email with a link that will direct you to a web site to set a new password.

### 3 CRD Navigation logic

The functionality of the application is structured as:

- Reference Data
- CRD Information
- History
- Audit

Depending on your privileges you have permissions to all or part of the above listed functions.

## 4 Reference data

### 4.1 Companies

#### 4.1.1 Company overview

Users with the necessary permissions can access the overview of the companies via the following sub-menu item.

Select	Code	Name	Country	Is-ent company/role/privat/public	Contact Person	Add Date	Modified Date	Status	Actions
<input type="checkbox"/>	1900	Deutsche Bahn AG	Germany - DE	OT	Mr Henner Int. Affairs	2011-11-15T12:35:54	2016-05-27T09:23:30	Active	
<input type="checkbox"/>	1180	DB Vertrieb GmbH	Germany - DE	FRU	unknown	2011-11-15T12:35:54	2015-05-29T13:12:37	Active	
<input type="checkbox"/>	1900	Omnibusverkehr Franken GmbH	Germany - DE	FRU	Mr Klaus Lehmann	2011-11-15T12:35:54	2016-12-02T15:26:54	Inactive	
<input type="checkbox"/>	2180	DB Cargo AG	Germany - DE	FRU	NULL	2011-11-15T12:35:54	2019-09-23T10:03:09	Active	
<input type="checkbox"/>	2282	CFL cargo Deutschland GmbH	Germany - DE	FRU	Mr J. Dewald	2011-11-15T12:35:54	2011-11-15T12:35:54	Active	
<input type="checkbox"/>	2380	SBB Cargo Deutschland GmbH	Germany - DE	FRU	Mr Danc Lubor	2011-11-15T12:35:54	2015-07-02T10:02:16	Active	
<input type="checkbox"/>	3010	Karlsruher Eisenbahngesellschaft mbH	Germany - DE	FRU, FRU	Mr R. Jentges	2011-11-15T12:35:54	2014-03-04T11:30:13	Inactive	
<input type="checkbox"/>	3012	Bodensee-Schiffbetriebe GmbH	Germany - DE	FRU	Mr U. Nimmo	2011-11-15T12:35:54	2019-09-23T10:04:08	Active	
<input type="checkbox"/>	3015	BayerBahn Betriebsgesellschaft mbH	Germany - DE	FRU	Mr A. Braun	2011-11-15T12:35:54	2013-10-29T12:00:49	Active	
<input type="checkbox"/>	3016	EVH Eisen-Werke GmbH	Germany - DE	FRU	Mr Jan Walthor	2011-11-15T12:35:54	2017-02-07T09:22:25	Active	
<input type="checkbox"/>	3020	Höfen und Güterverkehr Köln AG	Germany - DE	FRU	Mr Miches	2011-11-15T12:35:54	2013-10-29T12:00:49	Active	
<input type="checkbox"/>	3030	Georg Verkehrsorganisation GmbH	Germany - DE	FRU	Mr R. Georg	2011-11-15T12:35:54	2011-11-15T12:35:54	Active	
<input type="checkbox"/>	3043	TrevelinTravel E.V.	Netherlands - NL	FRU, OT	Mr Helmut Bral	2011-11-15T12:35:54	2016-03-18T15:38:53	Active	
<input type="checkbox"/>	3054	Locom Logistik & Consulting AG	Germany - DE	FRU	Mr Heerp	2011-11-15T12:35:54	2011-11-15T12:35:54	Active	
<input type="checkbox"/>	3055	Mitteldeutsche Eisenbahn GmbH	Germany - DE	FRU	Dr J. Sonntag	2011-11-15T12:35:54	2013-10-29T12:00:49	Active	
<input type="checkbox"/>	3058	Internationale Gesellschaft für Eisenbahnverkehr	Germany - DE	FRU, FRU	andreas.rudolph@ige-bahn.de	2011-11-15T12:35:54	2009-06-17T09:09:08	Active	
<input type="checkbox"/>	3059	EH Güterverkehr GmbH	Germany - DE	FRU	Frank John	2011-11-15T12:35:54	2022-02-22T18:30:23	Active	
<input type="checkbox"/>	3067	Deutsche Eisenbahn Logistik GmbH	Germany - DE	EDU	Mr Maier-Schulz	2011-11-15T12:35:54	2012-03-16T15:58:51	Active	

## Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

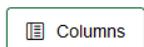
## Actions



a new company can be created.



companies may be imported (see below)



a column selector is opened by means of which the shown columns can be changed.



selected companies can be exported to a csv-file (see below)



selected companies can be exported to a XML-file (see below)



the XSD definition for company XML file can be exported (see below)



Edit: Opens the detail dialogue by means of which data can be edited



Delete: Let the user delete this entity. The deletion can only be performed if the country is not used by other objects (e.g. companies, locations, etc.)

## Columns

This functionality can be used to hide or add columns in the table overview shown.

## Export

Export can be performed in 2 different data structures: csv and xml.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export buttons are activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

Export selected rows to csv: a comma separated csv is generated with the following structure:

```
Company_UIC_Code,Company_Short_Name,Company_Name,Company_Name_ASCII,Company_URL,Coun-  
try_ISO_code,Start_Validity,End_Validity,Free_Text,Contact_Person,Email,Phone_Number,Mobile_Num-  
ber,FAX_Number,Address,City,Postal_Code,Passenger_Flag,Freight_Flag,Infrastructure_Flag,Other_Com-  
pany_flag,NA_Entity_Flag,CA_Entity_Flag,Active_Flag,Add_Date,Mod_Date
```

Export selected rows to xml: a xml is generated with the following structure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Companies xmlns="http://ws.refdata.crd.cc.uic.org/replication/schemas">
  <Company>
    <Company_Name>Lineas</Company_Name>
    <Company_UIC_Code>2188</Company_UIC_Code>
    <Company_URL>http://www.lineas.be</Company_URL>
    <Country_ISO_Code>BE</Country_ISO_Code>
    <Start_Validity>2010-08-17</Start_Validity>
    <Company_Short_Name>LNS</Company_Short_Name>
    <Free_Text xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
    <Contact_Details>
      <Contact_Person>Mr Frederic.Buyse</Contact_Person>
      <Email>Frederic.Buyse@lineas.net@lineas.net</Email>
      <Phone_Number>+3224329416</Phone_Number>
      <Address>Koning Albert II-laan 37</Address>
      <City>Brussels</City>
      <Postal_Code>1030</Postal_Code>
    </Contact_Details>
    <Passenger_RU_Flag>>false</Passenger_RU_Flag>
    <Freight_RU_Flag>>true</Freight_RU_Flag>
    <Infrastructure_Flag>>false</Infrastructure_Flag>
    <Other_Company_flag>>false</Other_Company_flag>
    <National_Entity_Flag>>false</National_Entity_Flag>
    <Central_Entity_Flag>>false</Central_Entity_Flag>
    <Active_Flag>>true</Active_Flag>
    <Add_Date>2011-11-15</Add_Date>
    <Modified_Date>2019-02-21</Modified_Date>
  </Company>
</Companies>
```

Created files are downloaded to the local drive.

Export XSD definition:

See attachment of manual

### Import

Import can be done by means of csv files using the following structure:

Company\_UIC\_Code,Company\_Short\_Name,Company\_Name,Company\_Name\_ASCII,Company\_URL,Country\_ISO\_code,Start\_Validity,End\_Validity,Free\_Text,Contact\_Person,Email,Phone\_Number,Mobile\_Number,FAX\_Number,Address,City,Postal\_Code,Passenger\_Flag,Freight\_Flag,Infrastructure\_Flag,Other\_Company\_flag,NA\_Entity\_Flag,CA\_Entity\_Flag,**action\_flag**

Action flag controls the type of import:

- 1....create new company
- 2....update existing company
- 3....update end date of existing company to import date

In the case of errors (syntactical or semantical) the user gets a response explaining the issue and in case it is related to specific countries -> the row where the issue was found. Be aware that the entire import file is not imported if an error is found.

#### 4.1.2 Company details

You can open the detailed data of the company via the edit icon in the overview.

Depending on the privilege, the user can change the detailed data of the company.

The screenshot displays the 'EDIT COMPANY' form with the following sections:

- Company Information:** Code (3088), Country (Belgium - BE), Name (SNCB Holding Belgium National Railways), Name (ASCII), Short Name (SNCB).
- Additional Information:** Start Date (2005-02-11), End Date (2013-12-31), Description, URL (http://www.b-rail.be).
- Principle Activity:** Passenger RU, Freight RU, National Entity, Central Entity, Other Company (checked), Infrastructure.
- Contact Information:** Contact Person (Mr M. Smeets), Email, Address (Rue Bara, 110), City (Bruxelles), Postal Code (1070), Phone Number, Mobile Number, Fax Number.

Buttons at the bottom: Save, Cancel, Reset. Metadata on the right: Added / Modified, Add Date (2011-11-15 12:35:54), Modified Date (2014-03-04 11:29:46).

## 4.2 Countries

### 4.2.1 Country overview

Users with the necessary permissions can access the overview of the countries via the following sub-menu item.

Select	Country	Code (ISO)	Code (CFC)	Allow Subsidiary Location Change	Add Date	Expiry Date	Actions
<input type="checkbox"/>	Test Country	TC	00	Yes	2010-11-11 00:00:00	2010-11-11 00:00:00	
<input type="checkbox"/>	Burma	BF		No	2011-11-15T00:00:00	2013-11-03T17:12:16	
<input type="checkbox"/>	ALAND ISLANDS	AX		No	2011-11-15T00:00:00	2011-11-20T09:24:16	
<input type="checkbox"/>	Albania	AL	41	Yes	2011-11-15T12:28:43	2011-11-20T11:51:07	
<input type="checkbox"/>	Algeria	DZ	02	Yes	2011-11-15T12:28:43	2011-11-20T09:47:03	
<input type="checkbox"/>	ANDORRA	AD		No	2011-11-15T12:28:43	2012-02-20T14:23:30	
<input type="checkbox"/>	ANGOLA	AO		No	2011-11-15T12:28:43	2011-11-15T12:28:43	
<input type="checkbox"/>	ANTIGUA AND BARBUDA	AG		No	2011-11-15T12:28:43	2011-11-15T12:28:43	
<input type="checkbox"/>	ARGENTINA	AR		No	2011-11-15T12:28:43	2011-11-15T12:28:43	
<input type="checkbox"/>	Armenia	AM	58	Yes	2011-11-15T12:28:43	2011-11-20T11:54:19	
<input type="checkbox"/>	ARUBA	AW		No	2011-11-15T12:28:43	2011-11-15T12:28:43	
<input type="checkbox"/>	Australia	AU		No	2011-11-15T12:28:43	2013-11-03T17:09:24	
<input type="checkbox"/>	Austria	AT	51	Yes	2011-11-15T12:28:43	2011-11-15T17:02:39	
<input type="checkbox"/>	Azerbaijan	AZ	57	Yes	2011-11-15T12:28:43	2011-11-15T17:02:39	
<input type="checkbox"/>	BAHAMAS	BS		No	2011-11-15T12:28:43	2011-11-15T12:28:43	
<input type="checkbox"/>	BARBAIN	BH		No	2011-11-15T12:28:43	2011-11-15T12:28:43	
<input type="checkbox"/>	BANGLADESH	BD		No	2011-11-15T12:28:43	2011-11-15T12:28:43	
<input type="checkbox"/>	BARBADOS	BB		No	2011-11-15T12:28:43	2011-11-15T12:28:43	

## Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

## Actions



a new country can be created.



countries may be imported (see below)



a column selector is opened by means of which the shown columns can be changed.



selected countries can be exported to a csv-file (see below)



selected countries can be exported to a XML-file (see below)



the XSD definition for countries XML file can be exported (see below)



Edit: Opens the detail dialogue by means of which data can be edited



Delete: Let the user delete this entity. The deletion can only be performed if the company is not used by other objects (e.g. primary or subsidiary locations, etc.)

## Columns

This functionality can be used to hide or add columns in the table overview shown.

## Export

Export can be performed in 2 different data structures: csv and xml.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export buttons are activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

Export selected rows to csv: a comma separated csv is generated with the following structure:

```
Country_ISO_code,Country_UIC_Ident,Country_Name_EN,Country_Name_FR,Coun-  
try_Name_DE,Sub_Loc_Code_Flag,Add_Date,Mod_Date
```

Export selected rows to xml: a xml is generated with the following structure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
<Countries xmlns="http://ws.refdata.crd.cc.uic.org/replication/schemas">  
  <Country>  
    <Country_Iso_Code>EH</Country_Iso_Code>  
    <Country_Name_EN>WESTERN SAHARA (formerly Spanish Sahara)</Coun-  
try_Name_EN>  
    <Sub_Loc_Code_Flag>>false</Sub_Loc_Code_Flag>  
    <Add_Date>2011-11-15</Add_Date>  
    <Modified_Date>2011-11-15</Modified_Date>  
  </Country>  
</Countries>
```

Created files are downloaded to the local drive.

Export XSD definition:

See attachment of manual

## Import

Import can be done by means of csv files using the following structure:

```
Country_ISO_code,Country_UIC_Ident,Country_Name_EN,Country_Name_FR,Coun-  
try_Name_DE,Sub_Loc_Code_Flag,action_flag
```

Action flag controls the type of import:

- 1....create new country
- 2....update existing country
- 3....delete existing country

In the case of errors (syntactical or semantical) the user gets a response explaining the issue and in case it is related to specific countries -> the row where the issue was found. Be aware that the entire import file is not imported if an error is found.

### 4.2.2 Country details

You can open the detailed data of the company via the edit icon in the overview.

Depending on the privilege, the user can change the detailed data of the company.

**EDIT COUNTRY**

**Country information**

Name \* WESTERN SAHARA (formerly) German Name French Name Code (ISO) \* EH Code (UIC)

Allow Subsidiary Location Change

**Added / Modified**

Add Date 2011-11-15 12:28:44

Modified Date 2011-11-15 12:28:44

Save Cancel Reset

## 4.3 Primary Locations

### 4.3.1 Primary Locations Overview

Users with the necessary permissions can access the overview of the subsidiary locations via the following sub-menu item.

Select	Code	Name	Name (XSD)	Country	Responsible	Add Date	Modified Date	Status	Actions
<input type="checkbox"/>	10150	Grimstorp	Grimstorp	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	4999	Grimsta	Grimsta	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	10151	Gripenberg	Gripenberg	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	1160	Grums	Grums	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	10152	Grundby	Grundby	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	10153	Grycksbo	Grycksbo	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	1178	Grythyttan	Grythyttan	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	10154	Grythyttans norra	Grythyttans norra	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2021-10-19T14:24:56	Active	
<input type="checkbox"/>	10155	Grytje	Grytje	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	1191	Grangesberg	Grangesberg	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	105	Ålsjö kurbstation	Ålsjö kurbstation	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	106	Ålsjö östra	Ålsjö östra	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	112	Åggsjöberg	Åggsjöberg	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	116	Åby	Åby	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	10001	Åschofs	Åschofs	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	118	Ålfa	Ålfa	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2020-02-26T13:15:43	Inactive	
<input type="checkbox"/>	10002	Ågutegården	Ågutegården	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	
<input type="checkbox"/>	110	Åmneby	Åmneby	Sweden - SE	TRAFIKVERKET - 0074	2013-05-14T18:39:45	2013-05-14T18:39:45	Active	

#### Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

#### Actions



a new primary location can be created.



primary locations may be imported (see below)



a column selector is opened by means of which the shown columns can be changed.



selected primary locations can be exported to a csv-file (see below)



selected primary locations can be exported to a XML-file (see below)



the XSD definition for primary locations XML file can be exported (see below)



Edit: Opens the detail dialogue by means of which data can be edited



**Set inactive:** An active location can be set inactive by means of setting the end-date of the location to yesterday. Triggering this function opens a dialogue, where the user gets an end date proposed (default=yesterday). The user is allowed to change the end date and set it individually. The possibility to set an end date, however, is dependent on the topology managed in the application. To keep data consistencies, it might be necessary to first set end dates on other objects first. In such cases the application shows a meaningful message to the user and what to do.

### Columns

This functionality can be used to hide or add columns in the table overview shown.

### Export

Export can be performed in 2 different data structures: csv and xml.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export buttons are activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

Export selected rows to csv: a comma separated csv is generated with the following structure:

```
Country_ISO_code,Primary_Location_Code,Start_Validity,End_Validity,Responsible_IM_Code,Location_Name,Location_Name_ASCII,NUTS_Code,Container_Handling_Flag,Handover_Point_Flag,Freight_Possible_Flag,Freight_Start_Validity,Freight_End_Validity,Passenger_Possible_Flag,Passenger_Start_Validity,Passenger_End_Validity,Latitude,Longitude,Free_Text,Active_Flag,Add_Date,Mod_Date
```

Export selected rows to xml: a xml is generated with the following structure:

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<PrimaryLocations xmlns="http://ws.refdata.crd.cc.uic.org/replication/schemas">
  <Primary_Location>
    <Country_Iso_Code>CZ</Country_Iso_Code>
    <Location_Code>55023</Location_Code>
    <Start_Validity>2017-07-01</Start_Validity>
    <ResponsibleIM>0054</ResponsibleIM>
    <Location_Name>Předhradí z</Location_Name>
    <Location_Name_ASCII>PREDHRADI Z</Location_Name_ASCII>
    <NUTS_Code>530</NUTS_Code>
    <Container_Handling_Flag>>false</Container_Handling_Flag>
    <Handover_Point_Flag>>false</Handover_Point_Flag>
    <Freight_Possible_Flag>>false</Freight_Possible_Flag>
    <Passenger_Possible_Flag>>true</Passenger_Possible_Flag>
    <Passenger_Start_Validity>2022-01-01</Passenger_Start_Validity>
    <Latitude>49.824194</Latitude>
    <Longitude>16.018621</Longitude>
    <Active_Flag>>true</Active_Flag>
    <Add_Date>2017-07-10</Add_Date>
    <Modified_Date>2021-12-07</Modified_Date>
  </Primary_Location>
</PrimaryLocations>

```

Created files are downloaded to the local drive.

Export XSD definition:

See attachment of manual

### Import

Import can be done by means of csv files using the following structure:

```

Country_ISO_code,Primary_Location_Code,Start_Validity,End_Validity,Responsible_IM_Code,Location_Name,Location_Name_ASCII,NUTS_Code,Container_Handling_Flag,Handover_Point_Flag,Freight_Possible_Flag,Freight_Start_Validity,Freight_End_Validity,Passenger_Possible_Flag,Passenger_Start_Validity,Passenger_End_Validity,Latitude,Longitude,Free_Text, action_flag

```

Action flag controls the type of import:

- 1....create new primary location
- 2....update existing primary location

3....update end date of existing primary location to import date

In the case of errors (syntactical or semantical) the user gets a response explaining the issue and in case it is related to specific primary locations -> the row where the issue was found. Be aware that the entire import file is not imported if an error is found.

### 4.3.2 Primary Location details

You can open the detailed data of the company via the edit icon in the overview.

Depending on the privilege, the user can change the detailed data of the company.

**EDIT PRIMARY LOCATION**

**Location Information**

Code \* 55023 Name \* Předhradí z Name (ASCII) \* PREDHRADI Z

Country \* Czech Republic - CZ Responsible IM \* SZCZ - 0054

Start Date \* 2017-07-01 YYYY-MM-DD

End Date YYYY-MM-DD

Description

**Additional Information**

Latitude 49.824194 Longitude 16.018621 NUTS Code 530

Container Handling  Handover Point

Freight Possible

Freight Start Date Activity YYYY-MM-DD

Freight End Date Activity YYYY-MM-DD

Passenger Possible

Passenger Start Date Activity \* 2022-01-01 YYYY-MM-DD

Passenger End Date Activity YYYY-MM-DD

Save Cancel Reset

**Added / Modified**

Add Date 2017-07-10 11:59:52

Modified Date 2021-12-07 17:32:43

## 4.4 Subsidiary Location

### 4.4.1 Subsidiary Locations Overview

Users with the necessary permissions can access the overview of the subsidiary locations via the following sub-menu item.

Select Code	Name	Type	Country	Responsible BU	Primary Location	Allocation Company	Add Date	Inactivated Date	Status	Actions
<input type="checkbox"/>	HAZ	Arzberg (Oberfl.)	Germany - DE	DB intraGO AG - 0080	Arzberg (Oberfl.) - DE10294	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	FASB	Asbach (Kv Herstedt)	Germany - DE	DB intraGO AG - 0080	Asbach (Kv Herstedt) - DE10295	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	NAH	Aschaffenburg Hbf	Germany - DE	DB intraGO AG - 0080	Aschaffenburg Hbf - DE10296	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	NAH A	Aschaffenburg Hbf Ausfahrt	Germany - DE	DB intraGO AG - 0080	Aschaffenburg Hbf Ausfahrt - DE10297	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	NAH E	Aschaffenburg Hbf Einfahrt	Germany - DE	DB intraGO AG - 0080	Aschaffenburg Hbf Einfahrt - DE10298	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	NAH U	Aschaffenburg Hbf Umspanngrippe	Germany - DE	DB intraGO AG - 0080	Aschaffenburg Hbf Umspanngrippe - DE10299	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	NASL	Aschaffenburg Masch-Fabrik Linde	Germany - DE	DB intraGO AG - 0080	Aschaffenburg Masch-Fabrik Linde - DE10300	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	NASU	Aschaffenburg Süd	Germany - DE	DB intraGO AG - 0080	Aschaffenburg Süd - DE10301	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	NAH G	Aschaffenburg-Goldbach	Germany - DE	DB intraGO AG - 0080	Aschaffenburg-Goldbach - DE10302	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	NAHF	Aschaffenburg-Hochschule	Germany - DE	DB intraGO AG - 0080	Aschaffenburg-Hochschule - DE10303	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	NAH	Aschaffenburg-Niktheim	Germany - DE	DB intraGO AG - 0080	Aschaffenburg-Niktheim - DE10304	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	NAHG	Aschaffenburg-Niktheim DB-Grenze	Germany - DE	DB intraGO AG - 0080	Aschaffenburg-Niktheim DB-Grenze - DE10305	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	NOBH	Aschaffenburg-Obermau	Germany - DE	DB intraGO AG - 0080	Aschaffenburg-Obermau - DE10306	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	MASC	Aschau (Chiemgau)	Germany - DE	DB intraGO AG - 0080	Aschau (Chiemgau) - DE10307	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	AAG	Ascheberg (Holt)	Germany - DE	DB intraGO AG - 0080	Ascheberg (Holt) - DE10308	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	EASB	Ascheberg (Hörsf)	Germany - DE	DB intraGO AG - 0080	Ascheberg (Hörsf) - DE10309	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	HASD	Aschendorf	Germany - DE	DB intraGO AG - 0080	Aschendorf - DE10310	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	
<input type="checkbox"/>	AN	Aschendorf	Germany - DE	DB intraGO AG - 0080	Aschendorf - DE10311	DB intraGO AG - 0080	2013-09-26T00:00:00	2013-09-26T00:00:00	Active	

## Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

## Actions



a new subsidiary location can be created.



subsidiary locations may be imported (see below)



a column selector is opened by means of which the shown columns can be changed.



selected subsidiary locations can be exported to a csv-file (see below)



selected subsidiary locations can be exported to a XML-file (see below)



the XSD definition for subsidiary locations XML file can be exported (see below)



Edit: Opens the detail dialogue by means of which data can be edited



Set inactive: An active location can be set inactive by means of setting the end-date of the location to yesterday. Triggering this function opens a dialogue, where the user gets an end date proposed (default=yesterday). The user is allowed to change the end date and set it individually. The possibility to set an end date, however, is dependent on the topology managed in the application. To keep data

consistencies, it might be necessary to first set end dates on other objects first. In such cases the application shows a meaningful message to the user and what to do.

### Columns

This functionality can be used to hide or add columns in the table overview shown.

### Export

Export can be performed in 2 different data structures: csv and xml.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export buttons are activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

Export selected rows to csv: a comma separated csv is generated with the following structure:

```
Primary_Location_Code,Primary_Location Country_ISO_code,Primary_Location_Start_Validity, Subsidiary_Type_Code,Subsidiary_Location_Code,Subsidiary_Location_Name,Start_Validity,End_Validity,Allocation_Company_Code,Latitude,Longitude,Free_Text,Active_Flag,Add_Date,Mod_Date
```

Export selected rows to xml: a xml is generated with the following structure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<SubsidiaryLocations xmlns="http://ws.refdata.crd.cc.uic.org/replication/schemas">
  <Subsidiary_Location>
    <Country_Iso_Code>SK</Country_Iso_Code>
    <Responsible_IM_Code>0056</Responsible_IM_Code>
    <Subsidiary_Location_Code>24063</Subsidiary_Location_Code>
    <Location_Code>17695</Location_Code>
    <Subsidiary_Type_Code>70</Subsidiary_Type_Code>
    <Subsidiary_Location_Name>HS_Tepláreň Považská Bystrica, s.r.o.</Subsidiary_Location_Name>
    <Start_Validity>2012-04-19</Start_Validity>
    <AllocationCompany>0056</AllocationCompany>
    <Latitude xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
    <Longitude xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
    <Free_Text>Network Border</Free_Text>
    <Active_Flag>true</Active_Flag>
    <Add_Date>2022-08-11</Add_Date>
    <Modified_Date>2022-08-11</Modified_Date>
  </Subsidiary_Location>
</SubsidiaryLocations>
```

Created files are downloaded to the local drive.

Export XSD definition:

See attachement of manual

### Import

Import can be done by means of csv files using the following structure:

```
Primary_Location_Code,Primary_Location Country_ISO_code,Primary_Location_Start_Validity, Subsidiary_Type_Code,Subsidiary_Location_Code,Subsidiary_Location_Name,Start_Validity,End_Validity,Allocation_Company_Code,Latitude,Longitude,Free_Text,action_flag
```

Action flag controls the type of import:

- 1....create new subsidiary location
- 2....update existing subsidiary location

3....update end date of existing subsidiary location to import date

In the case of errors (syntactical or semantical) the user gets a response explaining the issue and in case it is related to specific subsidiary locations -> the row where the issue was found. Be aware that the entire import file is not imported if an error is found.

#### 4.4.2 Subsidiary Location details

You can open the detailed data of the company via the edit icon in the overview.

Depending on the privilege, the user can change the detailed data of the company.

Subsidiary Location Information	
Code *	Name *
24063	HS_Tepľáreň Považská Bystrica, s r.o.
Type *	
Network Border - 70	
Primary Location *	Allocation Company *
Považská Bystrica - SK17695	ZSR - 0056
Country *	Responsible BM
Slovakia - SK	ZSR - 0056
Start Date *	End Date
2012-04-19 YYYY-MM-DD	YYYY-MM-DD

Additional Information	
Latitude	Description
	Network Border
Longitude	

Added / Modified	
Add Date	2022-08-11 00:00:00
Modified Date	2022-08-11 00:00:00

Save Cancel Reset

### 4.5 Subsidiary Types

#### 4.5.1 Subsidiary Types Overview

Users with the necessary permissions can access the overview of the subsidiary types via the following sub-menu item.

Select	Name	Code	Add Date	Modified Date	Actions
<input type="checkbox"/>	Not Defined	00	2011-11-10T15:06:36	2011-11-10T15:06:36	
<input type="checkbox"/>	Track	01	2011-11-10T15:06:36	2011-11-10T15:06:36	
<input type="checkbox"/>	Private Siding	02	2011-11-10T15:06:36	2011-11-10T15:06:36	
<input type="checkbox"/>	Border Point Code	03	2011-11-10T15:06:36	2011-11-10T15:06:36	
<input type="checkbox"/>	Sorting Code	04	2011-11-10T15:06:36	2011-11-10T15:06:36	
<input type="checkbox"/>	Vehicle Parking Points	05	2011-11-10T15:06:36	2011-11-10T15:06:36	
<input type="checkbox"/>	Public Loading Places	06	2011-11-10T15:06:36	2011-11-10T15:06:36	
<input type="checkbox"/>	Private Loading Places	07	2011-11-15T15:06:36	2013-04-26T17:41:47	
<input type="checkbox"/>	IM Path Tariff Point	08	2011-11-15T15:06:36	2011-11-15T15:06:36	
<input type="checkbox"/>	Depot	09	2011-11-15T15:06:36	2012-12-11T11:45:10	
<input type="checkbox"/>	Switch/turnout	10	2011-11-15T15:06:36	2011-11-15T15:06:36	
<input type="checkbox"/>	Grade Crossing	11	2011-11-15T15:06:36	2011-11-15T15:06:36	
<input type="checkbox"/>	Section of the track	12	2011-11-15T15:06:36	2011-11-15T15:06:36	
<input type="checkbox"/>	Twin track point	13	2011-11-15T15:06:36	2011-11-15T15:06:36	
<input type="checkbox"/>	Retarder (rail brake)	14	2011-11-15T15:06:36	2011-11-15T15:06:36	
<input type="checkbox"/>	Platform	15	2011-11-15T15:06:36	2011-11-15T15:06:36	
<input type="checkbox"/>	Railing barrier	16	2011-11-15T15:06:36	2011-11-15T15:06:36	
<input type="checkbox"/>	Maintenance of order vehicle	17	2011-11-15T15:06:36	2011-11-15T15:06:36	

## Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

## Actions



A new subsidiary types can be created.



Subsidiary types may be imported (see below)



A column selector is opened by means of which the shown columns can be changed.



Selected subsidiary types can be exported to a csv-file (see below)



Selected subsidiary types can be exported to a XML-file (see below)



The XSD definition for subsidiary types XML file can be exported (see below)



Edit: Opens the detail dialogue by means of which data can be edited



Delete: Let the user delete this entity. The deletion can only be performed if the type is not used already.

## Columns

This functionality can be used to hide or add columns in the table overview shown.

## Export

Export can be performed in 2 different data structures: csv and xml.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export buttons are activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

Export selected rows to csv: a comma separated csv is generated with the following structure:

Subsidiary_Type_Code,Subsidiary_Type_Name,IM_Flag,Freight_RU_Flag,Passenger_RU_Flag,Central_Entity_Flag,National_Entity_Flag,Others_Flag,Free_Text,Add_Date,Mod_Date
--

Export selected rows to xml: a xml is generated with the following structure:

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<SubsidiaryTypes xmlns="http://ws.refdata.crd.cc.uic.org/replication/schemas">
  <SubsidiaryType>
    <Subsidiary_Type_Code>49</Subsidiary_Type_Code>
    <Subsidiary_Type_Name>Compressed plant</Subsidiary_Type_Name>
    <Infrastructure_Flag>true</Infrastructure_Flag>
    <Freight_RU_Flag>true</Freight_RU_Flag>
    <Passenger_RU_Flag>true</Passenger_RU_Flag>
    <Central_Entity_Flag>true</Central_Entity_Flag>
    <National_Entity_Flag>true</National_Entity_Flag>
    <Other_Company_flag>true</Other_Company_flag>
    <Free_Text>Train on a track with motion stabled with external air supply for braking systems</Free_Text>
    <Add_Date>2018-10-16</Add_Date>
    <Modified_Date>2018-10-16</Modified_Date>
  </SubsidiaryType>
</SubsidiaryTypes>

```

Created files are downloaded to the local drive.

Export XSD definition:

See attachement of manual

### Import

Import can be done by means of csv files using the following structure:

```

Subsidiary_Type_Code,Subsidiary_Type_Name,IM_Flag,Freight_RU_Flag,Passenger_RU_Flag,Central_Entity_Flag,National_Entity_Flag,Others_Flag,Free_Text,action_flag

```

Action flag controls the type of import:

- 1....create new subsidiary type
- 2....update existing subsidiary type
- 3....delte existing subsidiary type

In the case of errors (syntactical or semantical) the user gets a response explaining the issue and in case it is related to specific subsidiary types -> the row where the issue was found. Be aware that the entire import file is not imported if an error is found.

## 4.5.2 Subsidiary Type details

### EDIT SUBSIDIARY TYPE

Subsidiary Code Information		Added / Modified
Code *	Description	Add Date
50	Cleaning point - interior	2018-10-16 16:02:05
Name *		Modified Date
Indoor cleaning platform		2018-10-16 16:02:05

Allow Maintenance by Principle Activity Type \*

<input checked="" type="checkbox"/> Passenger RU	<input checked="" type="checkbox"/> Freight RU	<input checked="" type="checkbox"/> National Entity
<input checked="" type="checkbox"/> Central Entity	<input checked="" type="checkbox"/> Other Company	<input checked="" type="checkbox"/> Infrastructure

Save Cancel Reset

## 4.6 Primary Location Code Request

### 4.6.1 Primary Location Code Requests Overview

Users with the necessary permissions can access the overview of the primary location code requests via the following sub-menu item.

Reference Data | CHD Information | History | Audit

CRD > Reference Data > Primary Location Code Requests

Counties  
Companies  
Locations  
Primary Locations  
Subsidiary Locations  
Subsidiary Types  
Primary Location Code Requests  
Subsidiary Location Code Requests  
Primary Location Proposals  
Contacts

**PRIMARY LOCATION CODE REQUESTS (1)**

Buttons: Add new, Import, Columns

Request	Location Name	Location Name (NSCE)	County	Responsible ID	Add Date	Modified Date	Request Status	Actions
<input type="checkbox"/>	Wien Mitte	WIEMT	Austria - AT	ÖBB Holding AG - 0081	2024-03-14T14:31:02.648733	2024-03-14T14:31:02.648733	DRAFT	

0 selected entities | Export to CSV

Items per page: 10 | 1 - 1 of 1 | < > >>

## Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

## Actions



a new primary location code request can be created.



primary location code requests may be imported (see below)



a column selector is opened by means of which the shown columns can be changed.



selected primary location code requests can be exported to a csv-file (see below)



Edit: Opens the detail dialogue by means of which data can be edited



Delete: Let the user delete this entity.

## Columns

This functionality can be used to hide or add columns in the table overview shown.

## Export

Export can be performed in csv data structure.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export button is activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

Export selected rows to csv: a comma separated csv is generated with the following structure:

```
Country_ISO_code,Start_Validity,End_Validity,Responsible_IM_Code,Location_Name,Location_Name_ASCII,NUTS_Code,Container_Handling_Flag,Handover_Point_Flag,Freight_Possible_Flag,Freight_Start_Validity,Freight_End_Validity,Passenger_Possible_Flag,Passenger_Start_Validity,Passenger_End_Validity,Latitude,Longitude,Free_Text,Add_Date,Mod_Date,Request_Status
```

Created files are downloaded to the local drive.

## Import

Import can be done by means of csv files using the following structure:

```
Country_ISO_code,Start_Validity,End_Validity,Responsible_IM_Code,Location_Name,Location_Name_ASCII,NUTS_Code,Container_Handling_Flag,Handover_Point_Flag,Freight_Possible_Flag,Freight_Start_Validity,Freight_End_Validity,Passenger_Possible_Flag,Passenger_Start_Validity,Passenger_End_Validity,Latitude,Longitude,Free_Text, Request_Status, action_flag
```

Requested status: Allowed values are

- Draft
- Submitted
- Rejected
- Approved

Action flag controls the type of import:

- 1....create new primary location code request
- 2....update existing primary location code request
- 3....delete existing primary location code request

In the case of errors (syntactical or semantical) the user gets a response explaining the issue and in case it is related to specific primary location code requests -> the row where the issue was found. Be aware that the entire import file is not imported if an error is found.

## 4.6.2 Primary Location Code Request Details

These requests are managed using a workflow with four request statuses:

1. **Draft:** The initial status of the request. The user can make any number of updates in this status until he/she is ready to submit the request.
2. **Submitted:** The user submits the request to an appointed National Allocation Entity (NAE) of the country. The NAE decides on the outcome of the request. (The NAE of the country receives a notification email to its email address. Also, all CRD users which company is equal to the responsible IM of the request will receive a notification email).
3. **Approved:** The NAE approves of the request and assigns a Primary Location Code. The new Primary Location is automatically created with the information from the PLCR and the assigned code.
4. **Rejected:** The NAE rejects the request.

### EDIT PRIMARY LOCATION CODE REQUEST

<b>Assigned Primary Location Code</b> Location Code * 99999	<b>Added / Modified</b> Add Date 2024-01-04 16:47:23 Modified Date 2024-01-04 16:47:23	
<b>Location Information</b> Location Name * Bockfließ	Location Name (ASCI) * BCK	Request Status * Draft
Responsible IM * OBB-Holding AG - 0081	Country * Austria - AT	Description
Start Date * 2024-01-04 YYYY-MM-DD	End Date YYYY-MM-DD	
<b>Additional Information</b> Latitude	Longitude	NUTS Code
<input type="checkbox"/> Container Handling	<input type="checkbox"/> Handover Point	
<input type="checkbox"/> Freight Possible	Freight Start Date Activity YYYY-MM-DD	Freight End Date Activity YYYY-MM-DD
<input type="checkbox"/> Passenger Possible	Passenger Start Date Activity YYYY-MM-DD	Passenger End Date Activity YYYY-MM-DD

## 4.7 Subsidiary Location Code Request

## 4.7.1 Subsidiary Location Code Request overview

Users with the necessary permissions can access the overview of the subsidiary location code requests via the following sub-menu item.

Select	Location Name	Subsidiary Location Type	Country	Responsible BM	Primary Location Code	Primary Location Name	Primary Location Name (NCCI)	Allocation Company	Add Date	Requested Date	Request Status	Actions
<input type="checkbox"/>	Wien Mitte Westchance	Other technical facility - FE	Austria - AT	OBH-Holding AG - 0001	1001	Althang-Puchthorn	Althang-Puchthorn	OBH-Holding AG - 0001	2024-03-14T11:42:27.041383	2024-03-14T11:42:27.041383	DRAFT	

### Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

### Actions



a new subsidiary location code request can be created.



primary subsidiary code requests may be imported (see below)



a column selector is opened by means of which the shown columns can be changed.



selected subsidiary location code requests can be exported to a csv-file (see below)



Edit: Opens the detail dialogue by means of which data can be edited



Delete: Let the user delete this entity.

## Columns

This functionality can be used to hide or add columns in the table overview shown.

## Export

Export can be performed in csv data structure.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export button is activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

```
Primary_Location_Code,Country_ISO_code,Primary_Location_Start_Validity,Subsidiary_Type_Code,Subsidiary_Location_Name,Start_Validity,End_Validity,Allocation_Company_Code,Latitude,Longitude,Free_Text,Add_Date,Mod_Date,Request_Status
```

Created files are downloaded to the local drive.

## Import

Import can be done by means of csv files using the following structure:

```
Primary_Location_Code,Country_ISO_code,Primary_Location_Start_Validity,Subsidiary_Type_Code,Subsidiary_Location_Name,Start_Validity,End_Validity,Allocation_Company_Code,Latitude,Longitude,Free_Text ,Request_Status, action_flag
```

Requested status: Allowed values are

- Draft
- Submitted
- Rejected
- Approved

Action flag controls the type of import:

- 1....create new subsidiary location code request
- 2....update existing subsidiary location code request
- 3....delete existing subsidiary location code request

In the case of errors (syntactical or semantical) the user gets a response explaining the issue and in case it is related to specific subsidiary location code requests -> the row where the issue was found. Be aware that the entire import file is not imported if an error is found.

## 4.7.2 Subsidiary Location Code Request details

These requests are managed using a workflow with four request statuses:

1. **Draft:** The initial status of the request. The user can make any number of updates in this status until he/she is ready to submit the request.
2. **Submitted:** The user submits the request to an appointed National Allocation Entity (NAE) of the country. The NAE decides on the outcome of the request. (The NAE of the country receives a notification email to its email address. Also, all CRD users which company is equal to the allocation company of the request will receive a notification email).
3. **Approved:** The NAE approves of the request and assigns a Subsidiary Location Code. The new Subsidiary Location is automatically created with the information from the SLCR and the assigned code.
4. **Rejected:** The NAE rejects the request.

**EDIT SUBSIDIARY LOCATION CODE REQUEST**

**Assigned Subsidiary Location Code**

Location Code \*  
Test9990

**Subsidiary Location Code Request Information**

Subsidiary Location Name \*  
TestSLName

Subsidiary Location Type \*  
Bridge - Z3

Request Status \*  
Submitted

Country \*  
Test Country - TC

Responsible IM  
OBB-Holding AG - 0081

Primary Location \*  
Test Location 2 - TC9990

Allocation Company \*  
OBB-Holding AG - 0081

Start Date \*  
2024-01-01

End Date  
YYYY-MM-DD

**Additional Information**

Latitude

Longitude

Description

Save Cancel Reset

**Added / Modified**

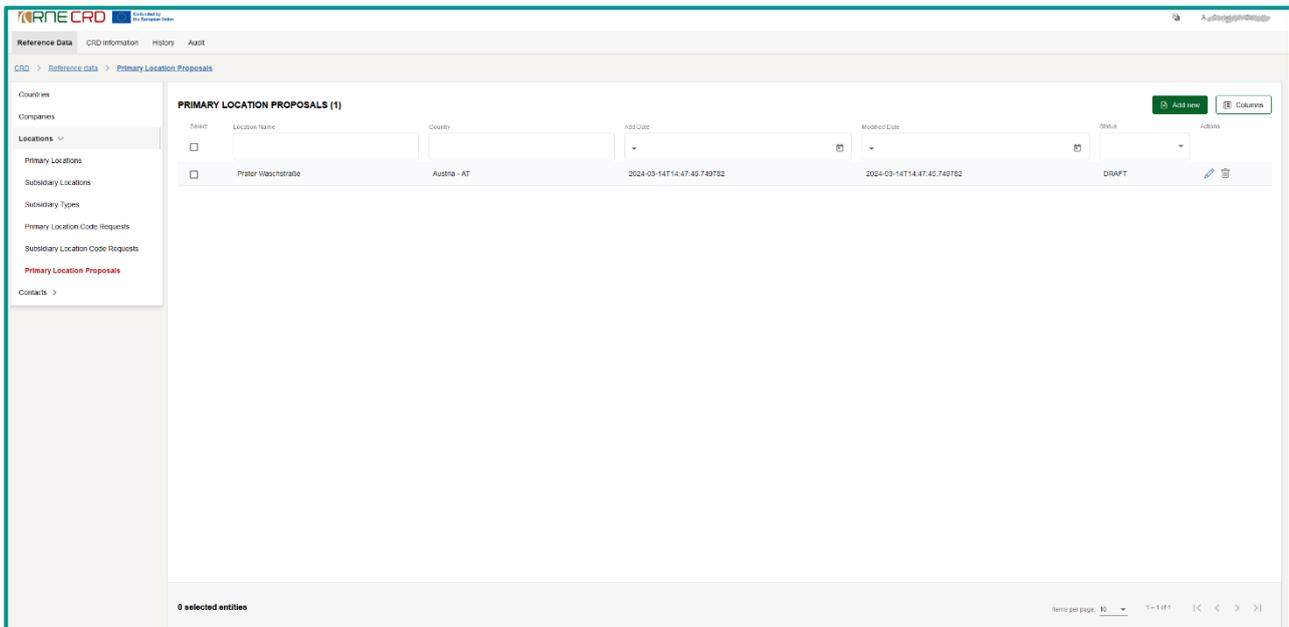
Add Date  
2024-01-30 14:37:51

Modified Date  
2024-01-30 14:41:52

## 4.8 Primary Location Proposal

### 4.8.1 Primary Location Proposal overview

Users with the necessary permissions can access the overview of the primary location requests via the following sub-menu item.



### Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

### Actions

 Add new a new subsidiary location code request can be created.

 Columns a column selector is opened by means of which the shown columns can be changed.

 Edit: Opens the detail dialogue by means of which data can be edited

 Delete: Let the user delete this entity.

### Columns

This functionality can be used to hide or add columns in the table overview shown.

## **4.8.2 Primary Location Proposal details**

These requests are managed using a workflow with four request statuses:

1. **Draft:** The initial status of the request. The user can make any number of updates in this status until he/she is ready to submit the request.
2. **Submitted:** The user submits the request to an appointed National Allocation Entity (NAE) of the country. The NAE decides on the outcome of the request. (The NAE of the country receives a notification email to its email address. Also, all CRD users which company is equal to the responsible IM of the request will receive a notification email).
3. **Approved:** The NAE approves of the proposal and assigns a responsible IM. The IM can then act on the proposal by creating a Primary Location or a Primary Location Code Request from the proposal.
4. **Rejected:** The NAE rejects the request.

**CREATE NEW PRIMARY LOCATION PROPOSAL**

**Location Information**

Location Name *	Request Status * Draft	Description
Country *	Responsible IM *	

**Additional Information**

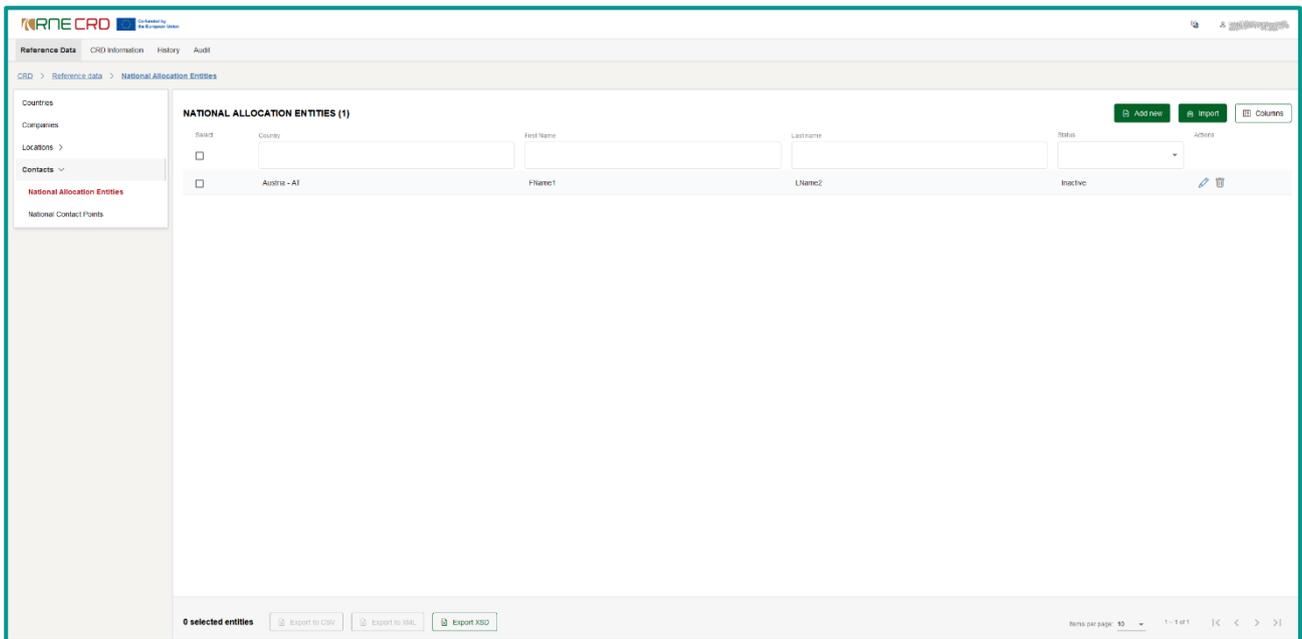
Latitude	Longitude
----------	-----------

Save Cancel Reset

## 4.9 National Allocation Entity

### 4.9.1 National Allocation Entity Overview

Users with the necessary permissions can access the overview of the national allocation entities via the following sub-menu item.



## Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

## Actions

 Add new a new national allocation entity can be created.

 Import primary national allocation entity may be imported (see below)

 Columns a column selector is opened by means of which the shown columns can be changed.

 Export to CSV selected national allocation entity can be exported to a csv-file (see below)

 Export to XML not used in application yet; always inactive

 Export XSD not used in application yet; always inactive

 Edit: Opens the detail dialogue by means of which data can be edited

 Delete: Let the user delete this entity.

## Columns

This functionality can be used to hide or add columns in the table overview shown.

## Export

Export can be performed in csv data structure.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export button is activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

```
Country_ISO_code,Start_Validity,End_Validity,First_Name,Last_Name,Email,Comment,Active_Flag,Add_Date,Mod_Date
```

Created files are downloaded to the local drive.

## Import

Import can be done by means of csv files using the following structure:

```
Country_ISO_code,Start_Validity,End_Validity,First_Name,Last_Name,Company_Name,Email,Comment,action_flag
```

Action flag controls the type of import:

- 1....create new NAE
- 2....update existing NAE
- 3....delete existing NAE

In the case of errors (syntactical or semantical) the user gets a response explaining the issue and in case it is related to specific primary location code requests -> the row where the issue was found. Be aware that the entire import file is not imported if an error is found.

### **4.9.2 National Allocation Entity details**

**EDIT NATIONAL ALLOCATION ENTITY**

**Information**

First Name \* FName1  
 Last name \* LName2  
 Email \* FName@gov.co.at

Company Name Description

Country \* Austria - AT

**Added / Modified**

Add Date 2024-03-14 14:50:05  
 Modified Date 2024-03-14 14:50:05

**Additional Information**

Start Date \* 2024-04-01  
 End Date

Save
Cancel
Reset

## 4.10 National Contact Point

### 4.10.1 National Contact Point overview

Users with the necessary permissions can access the overview of the national contact points via the following sub-menu item.

**IRNE CRD** | Reference Data | CRD Information | History | Audit

CRD > Reference data > National Contact Points

Countries

Companies

Locations >

Contacts >

National Allocation Entities

**National Contact Points**

**NATIONAL CONTACT POINTS (1)**

Add new Import Columns

Selected	Country	First Name	Last Name	Status	Action
<input type="checkbox"/>	Austria - AT	Frane	Ulane	inactive	

0 selected entities | Export to CSV | Export to XLS | Export XSD

Items per page: 10 | 1 - 1/1 | < >

### Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain

controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

## Actions

 Add new a new national contact point can be created.

 Import primary national contact point may be imported (see below)

 Columns a column selector is opened by means of which the shown columns can be changed.

 Export to CSV selected national contact point can be exported to a csv-file (see below)

 Export to XML not used in application yet; always inactive

 Export XSD not used in application yet; always inactive

 Edit: Opens the detail dialogue by means of which data can be edited

 Delete: Let the user delete this entity.

## Columns

This functionality can be used to hide or add columns in the table overview shown.

## Export

Export can be performed in csv data structure.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export button is activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

```
Country_ISO_code,Start_Validity,End_Validity,First_Name,Last_Name,Email,Comment,Active_Flag,Add_Date,Mod_Date
```

Created files are downloaded to the local drive.

## Import

Import can be done by means of csv files using the following structure:

Country\_ISO\_code,Start\_Validity,End\_Validity,First\_Name,Last\_Name,Company\_Name,Email,Comment,**action\_flag**

Action flag controls the type of import:

- 1....create new NCP
- 2....update existing NCP
- 3....delete existing NCP

In the case of errors (syntactical or semantical) the user gets a response explaining the issue and in case it is related to specific primary location code requests -> the row where the issue was found. Be aware that the entire import file is not imported if an error is found.

#### 4.10.2 National Contact Point details

**EDIT NATIONAL CONTACT POINT**

**Information**

First Name *	Last name *	Email *
Fname	LName	office@gov.co.at
Company Name	Description	
Country *	0255	
Austria - AT		

**Additional Information**

Start Date *	End Date
2024-04-01 YYYY-MM-DD	YYYY-MM-DD

**Added / Modified**

Add Date	2024-03-14 14:54:32
Modified Date	2024-03-14 14:54:32

Save Cancel Reset

## 5 CRD Information

Users with the necessary permissions can access the CRD information data via the following sub-menu item.

**CRD INFORMATION**

**CRD Information**

Name: CRD | Host: crd.mta.eu | Security Alias: crd.ta.cc.eu

Alternative Host: | Description: Central Reference Files Database

**Contact Information**

First Name: Vojkan | Last Name: Štolarovic | Email: support.rns@ma.eu

Phone No: +43 1 907 6272 00 | Mobile No: | Fax Number: |

Address 1: Onizdiggasse 3/B | Address 2: | City: Vienna | Post Code: 1030 | Country: Austria - AT

**SMTP Information**

SMTP Hostname: mailrelay.mta.eu | SMTP Port: 25 |  TLS  SSL

Authentication Required

**Online Registration Information**

Contact Person: RNE CCS Manager | Phone No: +43 1 907 6272 00 | Email: support.rns@ma.eu | Default View Role: |

By means of necessary permissions the data can be edited using the action button “edit”. The read-only view of the screens turns to edit mode and data can be adapted.

## 6 History

### 6.1 Countries' history

Users with the necessary permissions can access the country history data via the following sub-menu item.

**COUNTRIES HISTORY (450)**

Select	Name	Code (ISO)	Code (SAC)	Allow Subsidiary Location Change	Revision Type	Action User	Action Date
<input type="checkbox"/>	Romania	RO	93	Yes	Modified	admin	2024-01-22 14:24:56
<input type="checkbox"/>	Serbia	RS	72	Yes	Modified	admin	2024-01-23 14:24:56
<input type="checkbox"/>	Russian Federation	RU	20	Yes	Modified	admin	2024-01-22 14:24:56
<input type="checkbox"/>	Sweden	SE	74	Yes	Modified	admin	2024-01-23 14:24:56
<input type="checkbox"/>	Slovenia	SI	79	Yes	Modified	admin	2024-01-22 14:24:56
<input type="checkbox"/>	Slovakia	SK	56	Yes	Modified	admin	2024-01-23 14:24:56
<input type="checkbox"/>	Syrian Arab Republic	SY	97	Yes	Modified	admin	2024-01-22 14:24:56
<input type="checkbox"/>	Tajikistan	TJ	66	Yes	Modified	admin	2024-01-23 14:24:56
<input type="checkbox"/>	Turkmenistan	TM	67	Yes	Modified	admin	2024-01-22 14:24:56
<input type="checkbox"/>	Tunisia	TN	91	Yes	Modified	admin	2024-01-23 14:24:56

0 selected entities

Items per page: 10 | 1 - 10 of 450 | < > >>

#### Filter / Sorting / Paging

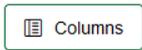
Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain

controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

### Actions



a column selector is opened by means of which the shown columns can be changed.



selected country records can be exported to a csv-file (see below)

### Columns

This functionality can be used to hide or add columns in the table overview shown.

### Export

Export can be performed in csv data structure.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export button is activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

```
Country_ISO_code,Country_UIC_Ident,Country_Name_EN,Country_Name_FR,Coun-  
try_Name_DE,Sub_Loc_Code_Flag,Action,Action User,Action Date
```

Created files are downloaded to the local drive.

## **6.2 Companies' history**

Users with the necessary permissions can access the company history data via the following sub-menu item.

Reference Data CRD Information History Audit

CRD > History > Companies

Countries  
Companies  
Locations >

**COMPANIES HISTORY (3921)**

Select	Code	Name	Name (local)	URL	Country	Principal Activity	Contact Person	Reaction Type	Action User	Action Date	Status
<input type="checkbox"/>	3199	Dortmunder Eisenbahn GmbH		http://www.captain.de/	GERMANY (Deutschland) - DE	FRU	M...	Added	admin	2011-11-15 13:35:54	Active
<input type="checkbox"/>	3200	RJR Rent a Rail GmbH		http://www.rent-a-rail.de/	GERMANY (Deutschland) - DE	FRU	M...	Added	admin	2011-11-15 13:35:54	Active
<input type="checkbox"/>	3202	Stuttgarter Straßenbahnen AG		http://www.ssb-ag.de/	GERMANY (Deutschland) - DE	FRU	M...	Added	admin	2011-11-15 13:35:54	Active
<input type="checkbox"/>	3209	Transport Schienen Dienst GmbH		http://www.raitransport.info/	GERMANY (Deutschland) - DE	FRU	M...	Added	admin	2011-11-15 13:35:54	Active
<input type="checkbox"/>	3213	Hamburger Verkehrsverbund GmbH		http://www.hvv.de/	GERMANY (Deutschland) - DE	FRU	M...	Added	admin	2011-11-15 13:35:54	Active
<input type="checkbox"/>	3225	BALTIC PORT RAIL MUNICH GmbH		http://www.baltic-rail-munich.com/	GERMANY (Deutschland) - DE	FRU	M...	Added	admin	2011-11-15 13:35:54	Active
<input type="checkbox"/>	3229	Rhein-Neckar-Verkehr GmbH		http://www.rnv-online.de/	GERMANY (Deutschland) - DE	FRU	M...	Added	admin	2011-11-15 13:35:54	Active
<input type="checkbox"/>	3230	VOGTLANDBAHN GmbH		http://www.vogtlandbahn.de/	GERMANY (Deutschland) - DE	FRU	M...	Added	admin	2011-11-15 13:35:54	Active
<input type="checkbox"/>	3232	VTG Antinggesellschaft		http://www.vtg.com/	GERMANY (Deutschland) - DE	OT	M...	Added	admin	2011-11-15 13:35:54	Active
<input type="checkbox"/>	3234	Octarail GmbH		http://www.octarail.de/	GERMANY (Deutschland) - DE	FRU	M...	Added	admin	2011-11-15 13:35:54	Active

0 selected entities

Items per page: 10 1 - 10 of 3921 | < >

## Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

## Actions



a column selector is opened by means of which the shown columns can be changed.



selected company records can be exported to a csv-file (see below)

## Columns

This functionality can be used to hide or add columns in the table overview shown.

## Export

Export can be performed in csv data structure.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export button is activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

Company\_UIC\_Code,Company\_Short\_Name,Company\_Name,Company\_Name\_ASCII,Company\_URL,Country\_ISO\_code,Start\_Validity,End\_Validity,Free\_Text,Contact\_Person,Email,Phone\_Number,Mobile\_Number,FAX\_Number,Address,City,Postal\_Code,Passenger\_Flag,Freight\_Flag,Infrastructure\_Flag,Other\_Company\_flag,NA\_Entity\_Flag,CA\_Entity\_Flag,Active\_Flag,Action,Action User,Action Date

Created files are downloaded to the local drive.

### 6.3 Primary Locations' history

Users with the necessary permissions can access the primary location history data via the following sub-menu item.

Select	Code	Name	Name (Full)	Country	Responsible ID	Status	Revision Type	Action User	Action Date
<input type="checkbox"/>	80196	BIF HOYA DE HUESCA	BIF HOYA DE HUESCA_87801	Spain - ES	ADIF - 0071	Active	Added	cog_international	2013-05-02 15:19:03
<input type="checkbox"/>	80197	BIF CAMBADOR LLEIDA	BIF CAMBADOR LLEIDA_87840	Spain - ES	ADIF - 0071	Active	Added	cog_international	2013-05-02 15:19:03
<input type="checkbox"/>	80198	BIF SAGRERA	BIF SAGRERA_87900	Spain - ES	ADIF - 0071	Active	Added	cog_international	2013-05-02 15:19:03
<input type="checkbox"/>	80199	BIF AGUES	BIF AGUES_87901	Spain - ES	ADIF - 0071	Active	Added	cog_international	2013-05-02 15:19:03
<input type="checkbox"/>	80200	KM 3.278	KM 3.278_87941	Spain - ES	ADIF - 0071	Active	Added	cog_international	2013-05-02 15:19:03
<input type="checkbox"/>	80201	KM 2.778	KM 2.778_87942	Spain - ES	ADIF - 0071	Active	Added	cog_international	2013-05-02 15:19:03
<input type="checkbox"/>	80202	BIF SAGRERA AG KM 2.1	BIF SAGRERA AG KM 2.1_87943	Spain - ES	ADIF - 0071	Active	Added	cog_international	2013-05-02 15:19:03
<input type="checkbox"/>	80203	BIF KM 231.5	BIF KM 231.5_88000	Spain - ES	ADIF - 0071	Active	Added	cog_international	2013-05-02 15:19:03
<input type="checkbox"/>	80204	BIF CASTILLA	BIF CASTILLA_88100	Spain - ES	ADIF - 0071	Active	Added	cog_international	2013-05-02 15:19:03
<input type="checkbox"/>	80205	BIF VILLALONGUEJAR	BIF VILLALONGUEJAR_88201	Spain - ES	ADIF - 0071	Active	Added	cog_international	2013-05-02 15:19:03

#### Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

#### Actions



a column selector is opened by means of which the shown columns can be changed.



selected primary location records can be exported to a csv-file (see below)

#### Columns

This functionality can be used to hide or add columns in the table overview shown.

## Export

Export can be performed in csv data structure.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export button is activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

Country\_ISO\_code,Primary\_Location\_Code,Start\_Validity,End\_Validity,Responsible\_IM\_Code,Location\_Name,Location\_Name\_ASCII,NUTS\_Code,Container\_Handling\_Flag,Handover\_Point\_Flag,Freight\_Possible\_Flag,Freight\_Start\_Validity,Freight\_End\_Validity,Passenger\_Possible\_Flag,Passenger\_Start\_Validity,Passenger\_End\_Validity,Latitude,Longitude,Free\_Text,Active\_Flag,Action,Action User,Action Date

Created files are downloaded to the local drive.

## 6.4 Subsidiary Locations' history

Users with the necessary permissions can access the subsidiary location history data via the following sub-menu item.

Select	Code	Name	Type	Country	Responsible IM	Allocation Company	Status	Revision Type	Action User	Action Date
<input type="checkbox"/>	BLO G	Berlin Lichtenberg B1	Company specific Identifier - 41	Germany - DE	DB Netz AG - 0080	DB Netz AG - 0080	Active	Added	cig_international	2013-09-26 13:14:49
<input type="checkbox"/>	QBL DE	Berlin-Lichtenberg EZV 1001 Baw	Company specific Identifier - 61	Germany - DE	DB Netz AG - 0080	DB Netz AG - 0080	Active	Added	cig_international	2013-09-26 13:14:49
<input type="checkbox"/>	QBL OS	Berlin Lichtenberg TD 1009 Baibergener	Company specific Identifier - 41	Germany - DE	DB Netz AG - 0080	DB Netz AG - 0080	Active	Added	cig_international	2013-09-26 13:14:49
<input type="checkbox"/>	BLO A	Berlin-Lichtenberg WG	Company specific Identifier - 61	Germany - DE	DB Netz AG - 0080	DB Netz AG - 0080	Active	Added	cig_international	2013-09-26 13:14:49
<input type="checkbox"/>	BLRD	Berlin Lichtenrade	Company specific Identifier - 41	Germany - DE	DB Netz AG - 0080	DB Netz AG - 0080	Active	Added	cig_international	2013-09-26 13:14:49
<input type="checkbox"/>	BQLR	Berlin-Lichtenrade BE 98	Company specific Identifier - 61	Germany - DE	DB Netz AG - 0080	DB Netz AG - 0080	Active	Added	cig_international	2013-09-26 13:14:49
<input type="checkbox"/>	BLRD	Berlin Lichtenrade Ost	Company specific Identifier - 41	Germany - DE	DB Netz AG - 0080	DB Netz AG - 0080	Active	Added	cig_international	2013-09-26 13:14:49
<input type="checkbox"/>	BLUH	Berlin-Lichtenrade Ost	Company specific Identifier - 61	Germany - DE	DB Netz AG - 0080	DB Netz AG - 0080	Active	Added	cig_international	2013-09-26 13:14:49
<input type="checkbox"/>	BLIC	Berlin Lichtenrade Ost (S Bahn)	Company specific Identifier - 41	Germany - DE	DB Netz AG - 0080	DB Netz AG - 0080	Active	Added	cig_international	2013-09-26 13:14:49
<input type="checkbox"/>	BUS	Berlin-Lichtenrade Süd	Company specific Identifier - 61	Germany - DE	DB Netz AG - 0080	DB Netz AG - 0080	Active	Added	cig_international	2013-09-26 13:14:49

## Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain

controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

### Actions



a column selector is opened by means of which the shown columns can be changed.



selected subsidiary location records can be exported to a csv-file (see below)

### Columns

This functionality can be used to hide or add columns in the table overview shown.

### Export

Export can be performed in csv data structure.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export button is activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

```
Country_ISO_code,Responsible_IM_Code,Primary_Location_Code,Subsidiary_Type_Code,Subsidiary_Location_Code,Subsidiary_Location_Name,Start_Validity,End_Validity,Allocation_Company_Code,Latitude,Longitude,Free_Text,Active_Flag,Action,Action User,Action Date
```

Created files are downloaded to the local drive.

## **6.5 Subsidiary Types' history**

Users with the necessary permissions can access the subsidiary type history data via the following sub-menu item.

select	Name	Code	Revision Type	Action User	Action Date
<input type="checkbox"/>	Not Defined	00	Added	admin	2011-11-15 16:06:36
<input type="checkbox"/>	Track	01	Added	admin	2011-11-15 16:06:36
<input type="checkbox"/>	Private Biding	02	Added	admin	2011-11-15 16:06:36
<input type="checkbox"/>	Border Point Code	03	Added	admin	2011-11-15 16:06:36
<input type="checkbox"/>	Sorting Code	04	Added	admin	2011-11-15 16:06:36
<input type="checkbox"/>	Vehicle Parking Points	05	Added	admin	2011-11-15 16:06:36
<input type="checkbox"/>	Public Loading Places	06	Added	admin	2011-11-15 16:06:36
<input type="checkbox"/>	Private Loading Places	07	Added	admin	2011-11-15 16:06:36
<input type="checkbox"/>	IM Path Tariff Point	08	Added	admin	2011-11-15 16:06:36
<input type="checkbox"/>	Depot	09	Added	admin	2011-11-15 16:06:36

## Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

## Actions



a column selector is opened by means of which the shown columns can be changed.



selected subsidiary location records can be exported to a csv-file (see below)

## Columns

This functionality can be used to hide or add columns in the table overview shown.

## Export

Export can be performed in csv data structure.

Precursor for an export is that at least one row of the table is selected (checkboxes on the left side of the table shown; checkbox beside the filter fields selects all shown rows in the table). If this is met the export button is activated.

Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

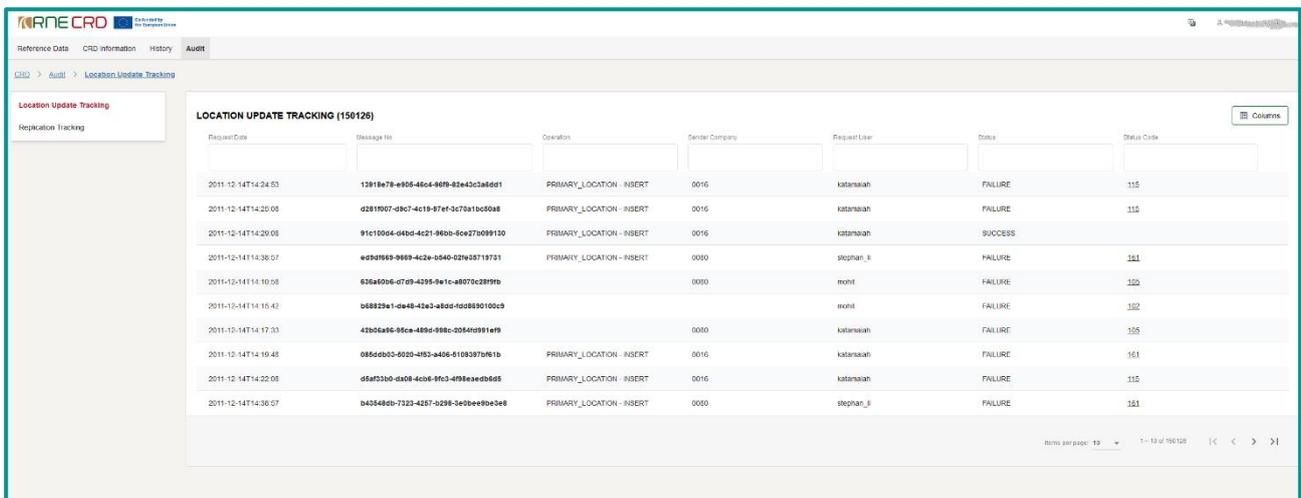
Subsidiary\_Type\_Code,Subsidiary\_Type\_Name,IM\_Flag,Freight\_RU\_Flag,Passenger\_RU\_Flag,Central\_Entity\_Flag,National\_Entity\_Flag,Others\_Flag,Free\_Text,Action,Action User,Action Date

Created files are downloaded to the local drive.

## 7 Audit

### 7.1 Location Update Tracking

Users with the necessary permissions can access the location update tracking data via the following sub-menu item.



The screenshot shows the RNECRO application interface for 'Location Update Tracking'. The page title is 'LOCATION UPDATE TRACKING (150126)'. The table below lists tracking records with columns for Request Date, Message No, Operation, Sender Company, Request User, Status, and Status Code. A 'Columns' button is visible in the top right corner of the table area.

Request Date	Message No	Operation	Sender Company	Request User	Status	Status Code
2011-12-14T14:24:53	13918a78-e905-46c4-909-82e43c3a8dd1	PRIMARY_LOCATION - INSERT	0016	katanaiah	FAILURE	115
2011-12-14T14:25:08	d2819007-d9c7-4c19-87ef-3c73a1bc90a8	PRIMARY_LOCATION - INSERT	0016	katanaiah	FAILURE	115
2011-12-14T14:26:08	91c10064-04bd-4c21-96bb-6ce27c099100	PRIMARY_LOCATION - INSERT	0016	katanaiah	SUCCESS	
2011-12-14T14:38:07	e09f9889-9889-4c2a-8440-029a287197d1	PRIMARY_LOCATION - INSERT	0000	stephan_b	FAILURE	151
2011-12-14T14:10:58	63a60b6-ef7d-4295-9a1c-a8070c289fb		0000	muhil	FAILURE	102
2011-12-14T14:15:42	568829a1-0a48-45a3-a80d-402890100c9		0000	muhil	FAILURE	102
2011-12-14T14:17:33	42b06a96-9fca-489a-998e-0264d091af9		0000	katanaiah	FAILURE	105
2011-12-14T14:19:48	085d4b02-0020-4952-a406-6108387bf61b	PRIMARY_LOCATION - INSERT	0016	katanaiah	FAILURE	151
2011-12-14T14:22:05	d5af230b-d908-4c06-9f03-498eae4b8d5	PRIMARY_LOCATION - INSERT	0016	katanaiah	FAILURE	115
2011-12-14T14:38:07	84548db-7323-4287-5298-3e0baee9be3e8	PRIMARY_LOCATION - INSERT	0000	stephan_b	FAILURE	151

It is used to log the Location Update Track status. It provides details if a particular location update is successful with all the information or if it has failed with all the information. Location updates request/response are displayed in this screen and the status of updates can be searched by Requested User filter.

#### Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

#### Actions

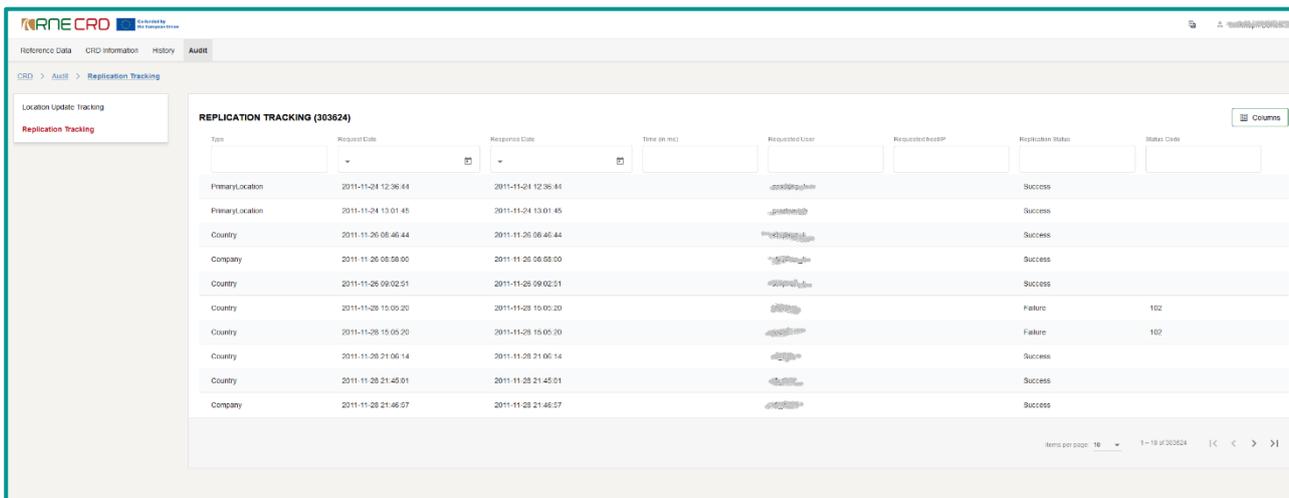


a column selector is opened by means of which the shown columns can be changed.

**Message No:** A modal dialog opens showing the original data of the message of the update request.

## 7.2 Replication Update Tracking

Users with the necessary permissions can access the replication update tracking data via the following sub-menu item



Type	Request Date	Response Date	Time (in ms)	Requested User	Requested hostIP	Replication Status	Status Code
PrimaryLocation	2011-11-24 12:36:44	2011-11-24 12:36:44				Success	
PrimaryLocation	2011-11-24 13:01:45	2011-11-24 13:01:45				Success	
Country	2011-11-26 08:46:44	2011-11-26 08:46:44				Success	
Company	2011-11-26 08:58:00	2011-11-26 08:58:00				Success	
Country	2011-11-26 09:02:51	2011-11-26 09:02:51				Success	
Country	2011-11-28 10:00:20	2011-11-28 10:00:20				Failure	102
Country	2011-11-28 15:05:20	2011-11-28 15:05:20				Failure	102
Country	2011-11-28 21:06:14	2011-11-28 21:06:14				Success	
Country	2011-11-28 21:45:01	2011-11-28 21:45:01				Success	
Company	2011-11-28 21:46:57	2011-11-28 21:46:57				Success	

It is used to log and track the replication of data on CRD side. This use case facilitates the user to view the Replication Tracking data in CRD. Using this feature, users can analyze the data, such as number of replication requests coming to CRD from LI, Type of data being replicated along with the Requested Date, Time taken to receive the response, Requested Host IP Address. It provides details if a particular replication is successful with all the information or if it has failed with all the information.

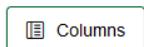
### Filter / Sorting / Paging

Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected date).

Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

### Actions



a column selector is opened by means of which the shown columns can be changed.

## 8 CRD Entities and RIS Topology

The TAF/TSI-compliant entities are firmly integrated into the topological network of RIS. This means, for example, that the locations represent nodes in the infrastructure topology. As each entity has a validity period (valid-from and valid-to dates), it is not possible to manipulate the validity period of an entity at will without affecting the infrastructure networked with it.

For this reason, extensive logic is provided with the validity period and the effects of changes to ensure data consistency at all times.

These dependencies are summarized in a separate document "Topological Model and Data Model RIS - Validity Periods", which provides a deeper understanding but is not normally necessary for working with CRD.

## 9 Notifications

The following table shows the overview of the email-notifications sent by the system with regards to CRD functionality:

Action	Recipients
Successful SOAP update location (PL or SL)	User which has triggered action
Unsuccessful SOAP update location (PL or SL)	User which has triggered action
Any change of status for PL proposal	User which has created PL proposal
Change of status for PL proposal to SUBMITTED	All active national allocation entities which belong to country of PL proposal
Change of status for PL proposal to APPROVED	All users which belong to responsible IM of PL proposal
Any change of status for PL request	All users which belong to responsible IM of PL request
Change of status for PL request to SUBMITTED	All active national allocation entities which belong to country of PL request
Any change of status for SL request	All users which belong to allocation company of SL request
Change of status for SL request to SUBMITTED	All active national allocation entities which belong to country of SL request
Creation of national allocation entity	RIS support (email address present in CRD Information page) as request to create new user in AD for national allocation entity

Creation of national contact point	RIS support (email address present in CRD Information page) as request to create new user in AD for national contact point
Deletion of user	RIS support (email address present in CRD Information page) as request to delete user in AD

## 10 CRD SOAP API

CRD provides SOAP interface to be able to integrate with 3<sup>rd</sup> party systems. The interface allows to

- Replicate CRD data:
  - Countries
  - Companies
  - Primary Locations
  - Subsidiary Locations
- Create or Update CRD data
  - Primary Locations
  - Subsidiary Locations

Both APIs can be configured by means of its WSDL.

The respective WSDL-definitions can be retrieved for

- Integration with stage-environment (for testing purposes):
  - ReplicationWSDL:
    - <https://crdservice-stage.rne.eu/CRD/wsd/CRDRFDDataReplicationWS>
  - UpdateWSDL
    - <https://crdservice-stage.rne.eu/CRD/wsd/CRDRefDataUpdateWS>
- Integration with production-environment:
  - ReplicationWSDL:
    - <https://crdservice-online.rne.eu/CRD/wsd/CRDRFDDataReplicationWS>
  - UpdateWSDL
    - <https://crdservice-online.rne.eu/CRD/wsd/CRDRefDataUpdateWS>

The URLs for executing the actual replication and update calls are as follows:

- Integration with stage-environment (for testing purposes):
  - Replication:
    - <https://crdservice-stage.rne.eu/CRD/services/CRDRFDDataReplicationWS>
  - Update:
    - <https://crdservice-stage.rne.eu/CRD/services/CRDRefDataUpdateWS>
- Integration with production-environment:
  - Replication:
    - <https://crdservice-online.rne.eu/CRD/services/CRDRFDDataReplicationWS>
  - Update:
    - <https://crdservice-online.rne.eu/CRD/services/CRDRefDataUpdateWS>
  -

## 11 Attachements

### 11.1 XSD Companies

The actual supported XSD definition for companies is:

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema attributeFormDefault="unqualified"
  xmlns="http://ws.refdata.crd.cc.uic.org/replication/schemas"
  elementFormDefault="qualified"
  targetNamespace="http://ws.refdata.crd.cc.uic.org/replication/schemas"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="Companies">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Company" maxOccurs="unbounded"
          minOccurs="0">
          <xs:complexType>
            <xs:sequence>
              <xs:element ref="Company_Name"/>
              <xs:element ref="Company_Name_ASCII" minOccurs="0"/>
              <xs:element ref="Company_UIC_Code"/>
              <xs:element ref="Company_URL" minOccurs="0"/>
              <xs:element ref="Country_ISO_Code"/>
              <xs:element ref="Start_Validity"/>
              <xs:element ref="End_Validity" minOccurs="0"/>
              <xs:element ref="Company_Short_Name"/>
              <xs:element ref="Free_Text" minOccurs="0"/>
              <xs:element name="Contact_Details">
```

```

    <xs:complexType>
      <xs:sequence>
        <xs:element ref="Contact_Person"/>
        <xs:element ref="Email" minOccurs="0"/>
        <xs:element ref="Phone_Number" minOccurs="0"/>
        <xs:element ref="FAX_Number" minOccurs="0"/>
        <xs:element ref="Address" minOccurs="0"/>
        <xs:element ref="City" minOccurs="0"/>
        <xs:element ref="Mobile_Number" minOccurs="0"/>
        <xs:element ref="Postal_Code" minOccurs="0"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element ref="Passenger_RU_Flag"/>
  <xs:element ref="Freight_RU_Flag"/>
  <xs:element ref="Infrastructure_Flag"/>
  <xs:element ref="Other_Company_flag"/>
  <xs:element ref="National_Entity_Flag"/>
  <xs:element ref="Central_Entity_Flag"/>
  <xs:element ref="Active_Flag"/>
  <xs:element ref="Add_Date"/>
  <xs:element ref="Modified_Date" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Company_Name" type="String1-255">
  <xs:annotation>
    <xs:documentation>

```

```
</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="Company_Name_ASCII" type="String1-255">
  <xs:annotation>
    <xs:documentation>
      </xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="Company_UIC_Code" type="String4-4">
    <xs:annotation>
      <xs:documentation>
        </xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="Company_URL" type="String-100">
      <xs:annotation>
        <xs:documentation>
          </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Country_ISO_Code">
        <xs:annotation>
          <xs:documentation>
            </xs:documentation>
          </xs:annotation>
          <xs:complexType>
            <xs:simpleContent>
              <xs:extension base="CountryIdentIso"/>
            </xs:simpleContent>
          </xs:complexType>
        </xs:element>
      </xs:element>
    </xs:element>
  </xs:element>
</xs:element>
```

```

    </xs:complexType>
  </xs:element>
  <xs:simpleType name="CountryIdentIso">
    <xs:annotation>
      <xs:documentation>
        </xs:documentation>
      </xs:annotation>
      <xs:restriction base="xs:string">
        <xs:minLength value="2"/>
        <xs:maxLength value="2"/>
      </xs:restriction>
    </xs:simpleType>
  <xs:element name="Start_Validity" type="Date">
    <xs:annotation>
      <xs:documentation/>
    </xs:annotation>
  </xs:element>
  <xs:element name="End_Validity" type="Date">
    <xs:annotation>
      <xs:documentation/>
    </xs:annotation>
  </xs:element>
  <xs:element name="Company_Short_Name" type="String-50">
    <xs:annotation>
      <xs:documentation>
        </xs:documentation>
      </xs:annotation>
    </xs:element>
  <xs:element name="Free_Text" nillable="true" type="String-255">
    <xs:annotation>
      <xs:documentation>

```

```
</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="Contact_Person" type="String1-255">
  <xs:annotation>
    <xs:documentation>
      </xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element nillable="true" name="Email" type="String-70">
    <xs:annotation>
      <xs:documentation/>
    </xs:annotation>
  </xs:element>
  <xs:element name="Phone_Number" type="String-70">
    <xs:annotation>
      <xs:documentation>
        </xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="FAX_Number" type="String-70">
      <xs:annotation>
        <xs:documentation>
          </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Address" type="String1-255">
        <xs:annotation>
          <xs:documentation>
            </xs:documentation>
          </xs:annotation>
```

```
</xs:element>
<xs:element name="City" type="String-50">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Mobile_Number" type="String-70">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Postal_Code" type="String-10">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>

<xs:element name="Passenger_RU_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Freight_RU_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
```

```
</xs:element>
<xs:element name="Infrastructure_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Other_Company_flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Central_Entity_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="National_Entity_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Active_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="Add_Date" type="Date">
  <xs:annotation>
    <xs:documentation/>
  </xs:annotation>
</xs:element>

<xs:element name="Modified_Date" type="Date">
  <xs:annotation>
    <xs:documentation/>
  </xs:annotation>
</xs:element>

<xs:simpleType name="String-10">
  <xs:restriction base="xs:string">
    <xs:maxLength value="10"/>
  </xs:restriction>
</xs:simpleType>

<xs:simpleType name="String-70">
  <xs:restriction base="xs:string">
    <xs:maxLength value="70"/>
    <xs:minLength value="0"/>
  </xs:restriction>
</xs:simpleType>

<xs:simpleType name="String-50">
  <xs:restriction base="xs:string">
    <xs:maxLength value="50"/>
    <xs:minLength value="0"/>
  </xs:restriction>
</xs:simpleType>

<xs:simpleType name="String1-255">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="255"/>
  </xs:restriction>
</xs:simpleType>
```

```
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="String-255">
  <xs:restriction base="xs:string">
    <xs:minLength value="0"/>
    <xs:maxLength value="255"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="String4-4">
  <xs:restriction base="xs:string">
    <xs:minLength value="4"/>
    <xs:maxLength value="4"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="String-100">
  <xs:restriction base="xs:string">
    <xs:maxLength value="100"/>
    <xs:minLength value="0"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="Date">
  <xs:restriction base="xs:string">
    <xs:pattern value="\d{4}[-](0[1-9]|1[012])[-](0[1-9]|12)[0-9]3[01]"/>
  </xs:restriction>
</xs:simpleType>
</xs:schema>
```

## 11.2 XSD Countries

The actual supported XSD definition for countries is:

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns="http://ws.refdata.crd.cc.uic.org/replication/schemas"
  targetNamespace="http://ws.refdata.crd.cc.uic.org/replication/schemas"
  elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xs:element name="Countries">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Country" maxOccurs="unbounded"
          minOccurs="0">
          <xs:complexType>
            <xs:sequence>
              <xs:element ref="Country_Iso_Code"/>
              <xs:element ref="Country_Uic_Code" minOccurs="0"/>
              <xs:element ref="Country_Name_EN"/>
              <xs:element ref="Country_Name_FR" minOccurs="0"/>
              <xs:element ref="Country_Name_DE" minOccurs="0"/>
              <xs:element ref="Sub_Loc_Code_Flag" minOccurs="0"/>
              <xs:element ref="Add_Date"/>
              <xs:element ref="Modified_Date" minOccurs="0"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Country_Iso_Code">
    <xs:annotation>

```

```

    <xs:documentation>
    </xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:simpleContent>
    <xs:extension base="CountryIdentIso"/>
  </xs:simpleContent>
</xs:complexType>
</xs:element>
<xs:simpleType name="CountryIdentIso">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:minLength value="2"/>
    <xs:maxLength value="2"/>
  </xs:restriction>
</xs:simpleType>
<xs:element name="Country_Uic_Code" type="String-2">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Country_Name_EN" type="String1-255">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>

```

```

<xs:element name="Country_Name_FR" type="String1-255">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Country_Name_DE" type="String1-255">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Sub_Loc_Code_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:simpleType name="String-2">
  <xs:restriction base="xs:string">
    <xs:minLength value="01"/>
    <xs:maxLength value="99"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="String1-255">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="255"/>
  </xs:restriction>
</xs:simpleType>
<xs:element name="Add_Date" type="Date">

```

```

    <xs:annotation>
      <xs:documentation></xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="Modified_Date" type="Date">
    <xs:annotation>
      <xs:documentation></xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:simpleType name="Date">
    <xs:restriction base="xs:string">
      <xs:pattern value="\d{4}[-](0[1-9]|1[012])[-](0[1-9]|12)[0-9]{3}[01]"/>
    </xs:restriction>
  </xs:simpleType>
</xs:schema>

```

### 11.3 XSD Primary Locations

The actual supported XSD definition for Primary Locations is:

```

<xs:schema attributeFormDefault="unqualified"
  xmlns="http://ws.refdata.crd.cc.uic.org/replication/schemas"
  elementFormDefault="qualified" xmlns:xs="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://ws.refdata.crd.cc.uic.org/replication/schemas">
  <xs:element name="PrimaryLocations">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Primary_Location" maxOccurs="unbounded"
          minOccurs="0">
          <xs:complexType>

```

```

<xs:choice maxOccurs="unbounded" minOccurs="0">
  <xs:element ref="Country_Iso_Code"/>
  <xs:element ref="Location_Code"/>
  <xs:element ref="Start_Validity"/>
  <xs:element ref="End_Validity" minOccurs="0"/>
  <xs:element ref="ResponsibleIM"/>
  <xs:element ref="Location_Name"/>
  <xs:element ref="Location_Name_ASCII"/>
  <xs:element ref="NUTS_Code" minOccurs="0"/>
  <xs:element ref="Container_Handling_Flag" minOccurs="0"/>
  <xs:element ref="Handover_Point_Flag" minOccurs="0"/>
  <xs:element ref="Freight_Possible_Flag" minOccurs="0"/>
  <xs:element ref="Freight_Start_Validity" minOccurs="0"/>
  <xs:element ref="Freight_End_Validity" minOccurs="0"/>
  <xs:element ref="Passenger_Possible_Flag" minOccurs="0"/>
  <xs:element ref="Passenger_Start_Validity" minOccurs="0"/>
  <xs:element ref="Passenger_End_Validity"/>
  <xs:element ref="Free_Text" minOccurs="0"/>
  <xs:element ref="Latitude" minOccurs="0"/>
  <xs:element ref="Longitude" minOccurs="0"/>
  <xs:element ref="Active_Flag"/>
  <xs:element ref="Add_Date"/>
  <xs:element ref="Modified_Date" minOccurs="0"/>
</xs:choice>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Country_Iso_Code">
  <xs:annotation>

```

```
<xs:documentation>
</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:simpleContent>
    <xs:extension base="CountryIdentIso"/>
  </xs:simpleContent>
</xs:complexType>
</xs:element>
<xs:element name="Location_Name" type="String-255">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Location_Name_ASCII" type="String-255">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="NUTS_Code" nillable="true" type="String5">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:simpleType name="CountryIdentIso">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
```

```
</xs:annotation>
<xs:restriction base="xs:string">
  <xs:minLength value="2"/>
  <xs:maxLength value="2"/>
</xs:restriction>
</xs:simpleType>
<xs:element name="Container_Handling_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Handover_Point_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Freight_Possible_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Passenger_Possible_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Active_Flag" type="xs:boolean">
```

```
<xs:annotation>
  <xs:documentation>
</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="Passenger_Start_Validity" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Passenger_End_Validity" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Freight_Start_Validity" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Freight_End_Validity" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Add_Date" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Modified_Date" type="Date">
```

```
<xs:annotation>
  <xs:documentation></xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="Start_Validity" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="End_Validity" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Free_Text" nillable="true" type="String-255">
  <xs:annotation>
    <xs:documentation>
  </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Longitude" nillable="true" type="Decimal9-6">
  <xs:annotation>
    <xs:documentation>
  </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Latitude" nillable="true" type="Decimal8-6">
  <xs:annotation>
    <xs:documentation>
  </xs:documentation>
  </xs:annotation>
```

```

</xs:element>
<xs:element name="ResponsibleIM" type="CompanyCode">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:simpleType name="CompanyCode">
  <xs:annotation>
    <xs:documentation>
      </xs:documentation>
    </xs:annotation>
  <xs:restriction base="String4-4"/>
</xs:simpleType>
<xs:element name="Location_Code" type="String1-5">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:simpleType name="String1-5">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="5"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="String4-4">
  <xs:restriction base="xs:string">
    <xs:minLength value="4"/>
    <xs:maxLength value="4"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="String1-10">

```

```

    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="10" fixed="false"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="Decimal8-6">
    <xs:restriction base="xs:decimal">
      <xs:totalDigits value="14"/>
      <xs:fractionDigits value="6"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="Decimal9-6">
    <xs:restriction base="xs:decimal">
      <xs:totalDigits value="15"/>
      <xs:fractionDigits value="6"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="String-255">
    <xs:restriction base="xs:string">
      <xs:maxLength value="255"/>
      <xs:minLength value="0"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="String5">
    <xs:restriction base="xs:string">
      <xs:maxLength value="5"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="Date">
    <xs:restriction base="xs:string">
      <xs:pattern value="\d{4}-([01-9]|1[012])-([01-9]|12)[0-9]3[01]"/>

```

```
</xs:restriction>  
</xs:simpleType>  
</xs:schema>
```

## 11.4 XSD Subsidiary Location

The actual supported XSD definition for Subsidiary Locations is:

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns="http://ws.refdata.crd.cc.uic.org/replication/schemas"
  targetNamespace="http://ws.refdata.crd.cc.uic.org/replication/schemas"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xs:element name="SubsidiaryLocations">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Subsidiary_Location" maxOccurs="unbounded" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Subsidiary Type information</xs:documentation>
          </xs:annotation>
          <xs:complexType>
            <xs:sequence>
              <xs:element ref="Country_Iso_Code" minOccurs="0"/>
              <xs:element ref="Responsible_IM_Code" minOccurs="0"/>
              <xs:element ref="Subsidiary_Location_Code"/>
              <xs:element ref="Location_Code"/>
              <xs:element ref="Subsidiary_Type_Code"/>
              <xs:element ref="Subsidiary_Location_Name"/>
              <xs:element ref="Start_Validity"/>
              <xs:element ref="End_Validity" minOccurs="0"/>
              <xs:element ref="AllocationCompany"/>
              <xs:element ref="Latitude" minOccurs="0"/>
              <xs:element ref="Longitude" minOccurs="0"/>
              <xs:element ref="Free_Text" minOccurs="0"/>
              <xs:element ref="Active_Flag"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

```
<xs:element ref="Add_Date"/>
  <xs:element ref="Modified_Date" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

<xs:element name="Country_Iso_Code" type="CountryIdentIso">
  <xs:annotation>
    <xs:documentation>
      </xs:documentation>
    </xs:annotation>
  </xs:element>

  <xs:element name="Subsidiary_Location_Code" type="String1-10">
    <xs:annotation>
      <xs:documentation>
        </xs:documentation>
      </xs:annotation>
    </xs:element>

    <xs:element name="Subsidiary_Location_Name" type="String-255">
      <xs:annotation>
        <xs:documentation>
          </xs:documentation>
        </xs:annotation>
      </xs:element>

      <xs:element name="Subsidiary_Type_Code" type="String-2">
        <xs:annotation>
          <xs:documentation>
            </xs:documentation>
          </xs:annotation>
        </xs:element>
```

```
</xs:annotation>
</xs:element>
<xs:element name="Location_Code" type="String1-5">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Responsible_IM_Code" type="CompanyCode" nillable="true">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="AllocationCompany" type="CompanyCode">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Longitude" nillable="true" type="Decimal9-6">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Latitude" nillable="true" type="Decimal8-6">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
```

```
</xs:element>
<xs:element name="Free_Text" nillable="true" type="String-255">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Active_Flag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Start_Validity" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="End_Validity" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Add_Date" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Modified_Date" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
```

```
</xs:annotation>
</xs:element>
<!-- Data types-->
<xs:simpleType name="String-255">
  <xs:restriction base="xs:string">
    <xs:maxLength value="255"/>
    <xs:minLength value="0"/>
  </xs:restriction>
</xs:simpleType>

<xs:simpleType name="String1-5">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="5"/>
  </xs:restriction>
</xs:simpleType>

<xs:simpleType name="String-2">
  <xs:restriction base="xs:string">
    <xs:maxLength value="2"/>
  </xs:restriction>
</xs:simpleType>

<xs:simpleType name="String1-10">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="10" fixed="false"/>
  </xs:restriction>
</xs:simpleType>

<xs:simpleType name="CountryIdentIso">
  <xs:annotation>
```

```
<xs:documentation>Iso 3166-1 alpha code (2 positions)
</xs:documentation>
</xs:annotation>
<xs:restriction base="xs:string">
  <xs:minLength value="2"/>
  <xs:maxLength value="2"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="CompanyCode">
  <xs:annotation>
    <xs:documentation>Identifies the RU, IM or other company involved in
      the Rail Transport Chain
    </xs:documentation>
  </xs:annotation>
  <xs:restriction base="String4-4"/>
</xs:simpleType>

<xs:simpleType name="String2-2">
  <xs:restriction base="xs:string">
    <xs:minLength value="2"/>
    <xs:maxLength value="2"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="String4-4">
  <xs:restriction base="xs:string">
    <xs:minLength value="4"/>
    <xs:maxLength value="4"/>
  </xs:restriction>
</xs:simpleType>

<xs:simpleType name="Decimal9-6">
```

```
<xs:restriction base="xs:decimal">
  <xs:totalDigits value="15"/>
  <xs:fractionDigits value="6"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="Decimal8-6">
  <xs:restriction base="xs:decimal">
    <xs:totalDigits value="14"/>
    <xs:fractionDigits value="6"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="SubsidiaryTypeCode">
  <xs:simpleContent>
    <xs:extension base="String2-2"/>
  </xs:simpleContent>
</xs:complexType>
<xs:simpleType name="Date">
  <xs:restriction base="xs:string">
    <xs:pattern value="\d{4}[-](0[1-9]|1[012])[-](0[1-9]|12)[0-9]{3}[01]"/>
  </xs:restriction>
</xs:simpleType>
</xs:schema>
```