



## **RIS CRD**

## **User Manual**

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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
<b>v.04</b>	Updates for CR17: alphanumeric company codes, railML PLC/SLC import, PLC validity columns, PLC start date display, new PLC instance creation, improved audit filters, historical data export per entity	cb, mo

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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

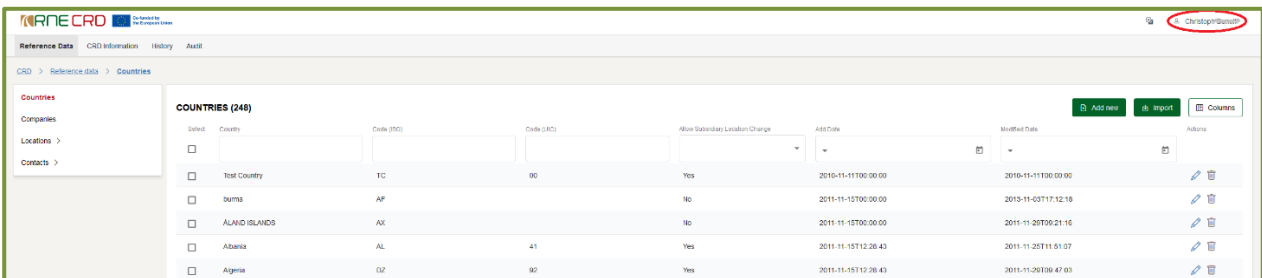


You can either use a proposed account or in case it is not listed chose other account.

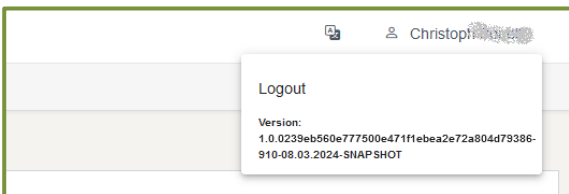
Then you must enter your account credentials

### 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.



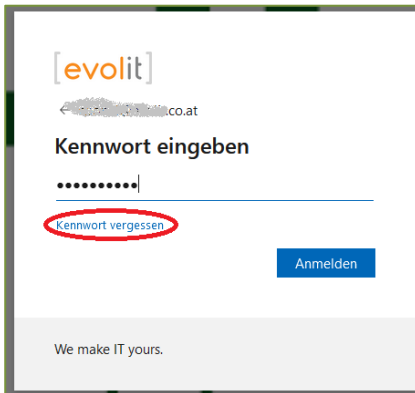
Logout will redirect you to the RNE AD Login screen (see above)

#### 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

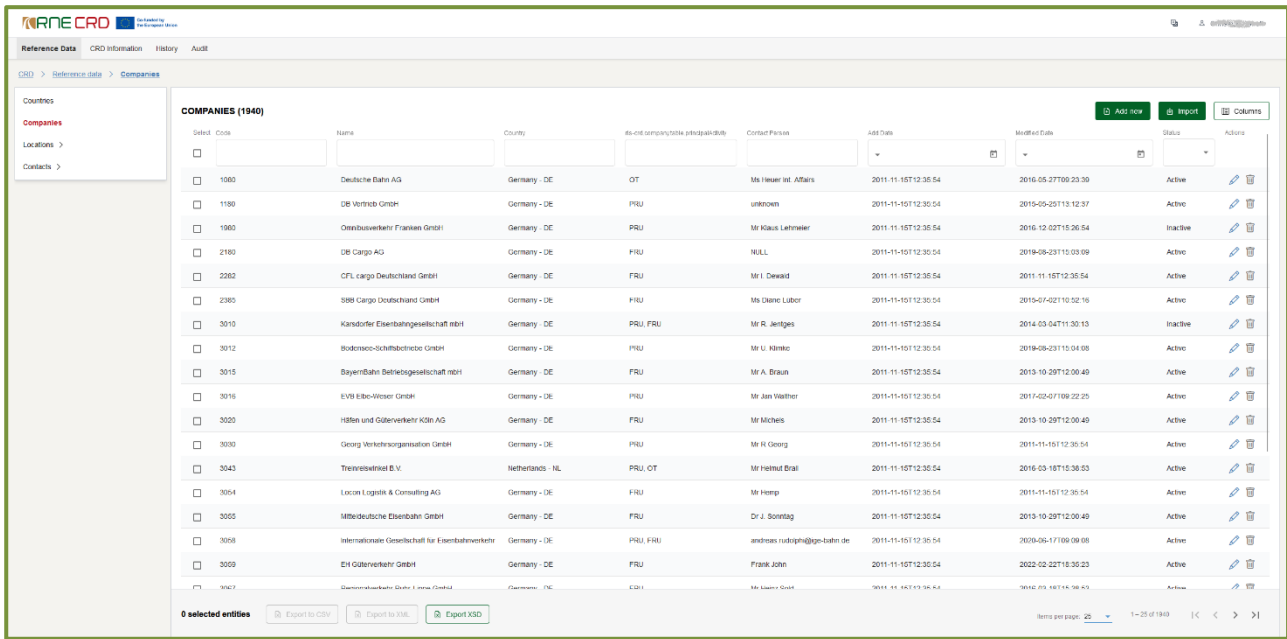
Depending on your privileges you have permissions to all or part of the above listed functions.

## 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.



**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.

**Company Code Validation:**

From January 2026, RIS also accepts alphanumeric values in the company code field. The length remains exactly 4 characters. Each of the four characters may be any of the 26 letters of the ISO 8859-1 alphabet (written in capitals) or any digit 0–9. This applies to the UI, the Export/Import template and the Replication SOAP Service

**Actions**

**Add new** a new company can be created.

**Import** companies 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 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,Country
_ISO_code,Start_Validity,End_Validity,Free_Text,Contact_Person,Email,Phone_Number,Mobile_Number,FAX_N
umber,Address,City,Postal_Code,Passenger_Flag,Freight_Flag,Infrastructure_Flag,Other_Company_flag,NA_En
tity_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_Vailidity>2010-08-17</Start_Vailidity>
    <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 attachement 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_N
umber,Address,Postal_Code,Passenger_Flag,Freight_Flag,Infrastructure_Flag,Other_Company_flag,NA_En
tity_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

Validation rules alphanumeric company codes apply to import as well as to UI entry. The Company\_UIC\_Code field now accepts 4-character alphanumeric values (A-Z, 0-9, capitals only).

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.

**EDIT COMPANY**

**Added / Modified**  
 Add Date  
**2011-11-15 12:38:54**  
 Modified Date  
**2014-03-04 11:39:45**

**Company Information**

Code \*  Country \*

Name \*  Name (Asci)  Short Name \*

**Additional Information**

Start Date \*  End Date   
YYYY-MM-DD YYYY-MM-DD

Description

URL

**Principle Activity \***

Passenger RU       Freight RU       National Entity  
 Central Entity       Other Company       Infrastructure

**Contact Information**

Contact Person \*  Email

Address  City  Postal Code

Phone Number  Mobile Number  Fax Number

Note: The Company Code field now accepts alphanumeric values (A–Z, 0–9, exactly 4 characters, capitals). The previous restriction to numeric-only values has been removed in line with TAF/TAP TSI updates effective January 2026.

## 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 (EUC)	Allow Substitutes / Location Change	Add Date	Modified Date	Actions
<input type="checkbox"/>	Test Country	TC	00	Yes	2010-11-11 00:00:00	2010-11-11 00:00:00	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	Tunisia	AF		No	2011-11-15 00:00:00	2013-11-03 17:12:16	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	ALAND ISLANDS	AX		No	2011-11-15 00:00:00	2011-11-29 09:21:16	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	Albania	AL	41	Yes	2011-11-15 12:28:43	2011-11-29 11:51:07	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	Algeria	DZ	92	Yes	2011-11-15 12:28:43	2011-11-29 09:47:03	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	ANDORRA	AD		No	2011-11-15 12:28:43	2012-02-23 14:03:30	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	ANGIOLA	AO		No	2011-11-15 12:28:43	2011-11-15 12:28:43	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	ANTIQUA AND BARBUDA	AG		No	2011-11-15 12:28:43	2011-11-15 12:28:43	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	ARGENTINA	AR		No	2011-11-15 12:28:43	2011-11-15 12:28:43	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	Armenia	AM	56	Yes	2011-11-15 12:28:43	2011-11-29 11:54:19	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	ARUBA	AW		No	2011-11-15 12:28:43	2011-11-15 12:10:43	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	Australia	AU		No	2011-11-15 12:28:43	2013-11-03 17:09:24	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	Austria	AT	81	Yes	2011-11-15 12:28:43	2011-11-16 11:02:36	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	Azerbaijan	AZ	57	Yes	2011-11-15 12:28:43	2011-11-15 11:02:36	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	BAHAMAS	BS		No	2011-11-15 12:28:43	2011-11-15 12:28:43	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	BAHRAIN	BH		No	2011-11-15 12:28:43	2011-11-15 12:28:43	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	BANGLADESH	BD		No	2011-11-15 12:28:43	2011-11-15 12:28:43	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	BARBADOS	BB		No	2011-11-15 12:10:43	2011-11-15 12:10:43	<a href="#">Edit</a> <a href="#">Delete</a>


Filter / Sorting / Paging

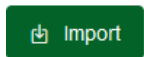
Filter can be set directly below column headers. In text or composite fields, the application searches for all records that contains case-insensitive the typed-in characters. Other types may contain controls in the left part where logical operators can be set (e.g. all dates that are greater than a selected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

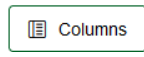
Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

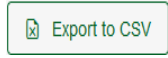
Paging size can be changed in the lower right corner.

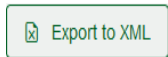
### Actions

 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,Country_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)</Country_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,Country_Name_DE,Sub_Loc_Code_Flag,action_flag
```

Action flag controls the type of import:

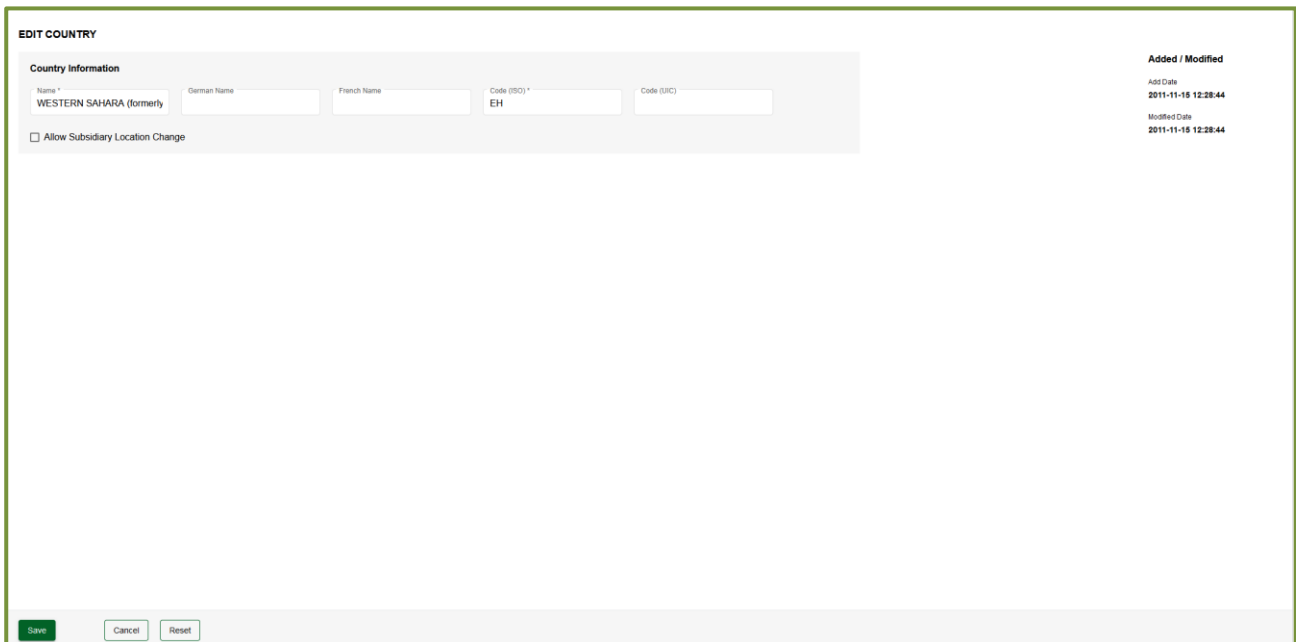
- 1....create new country
- 2....update existing country
- 3....delete existing country

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.

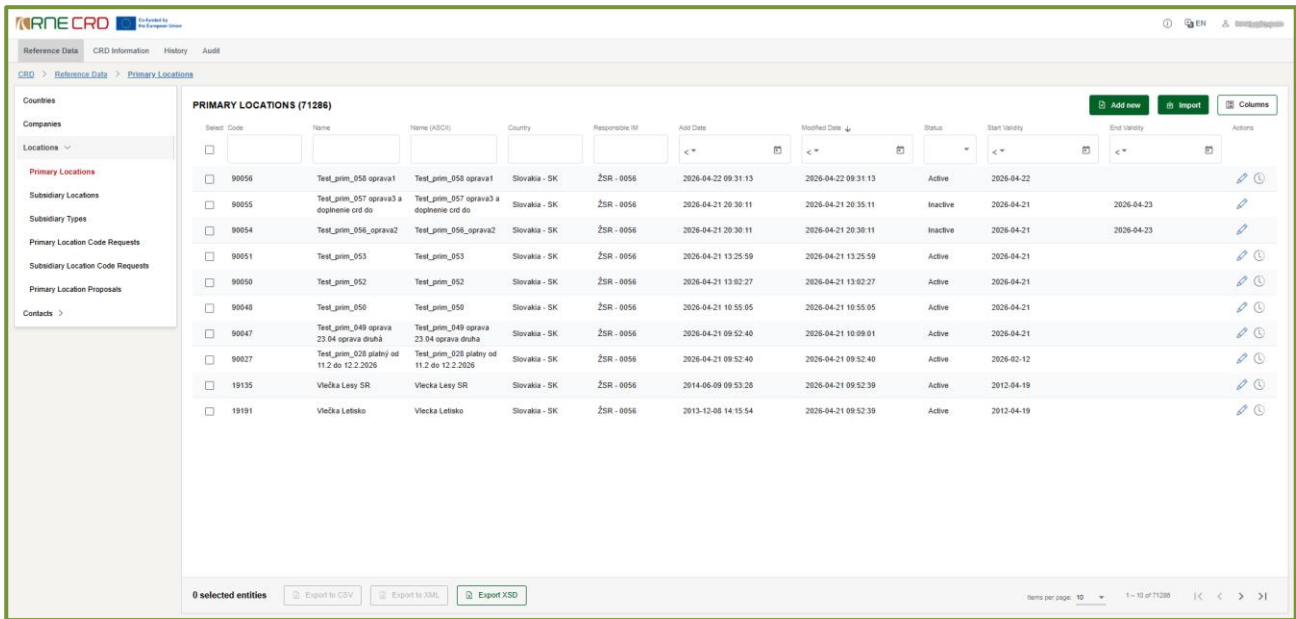


EDIT COUNTRY	
<b>Country Information</b>	
Name *	German Name
WESTERN SAHARA (formerly)	
French Name	Code (ISO) *
	EH
	Code (IIC)
<input type="checkbox"/> Allow Subsidiary Location Change	
Save Cancel Reset	
Added / Modified	
Add Date	
2011-11-18 12:28:44	
Modified Date	
2011-11-18 12:28:44	

## 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 (ASCII)	Country	Responsible RM	Add Date	Modified Date	Status	Start Validity	End Validity	Actions
<input type="checkbox"/>	90056	Test_prim_056 oprava1	Test_prim_056 oprava1	Slovakia - SK	ZSR - 0056	2026-04-22 09:31:13	2026-04-22 09:31:13	Active	2026-04-22		
<input type="checkbox"/>	90055	Test_prim_057 oprava3 a doplnenie crd do	Test_prim_057 oprava3 a doplnenie crd do	Slovakia - SK	ZSR - 0056	2026-04-21 20:36:11	2026-04-21 20:35:11	Inactive	2026-04-21	2026-04-23	
<input type="checkbox"/>	90054	Test_prim_056_oprava2	Test_prim_056_oprava2	Slovakia - SK	ZSR - 0056	2026-04-21 20:36:11	2026-04-21 20:36:11	Inactive	2026-04-21	2026-04-23	
<input type="checkbox"/>	90051	Test_prim_053	Test_prim_053	Slovakia - SK	ZSR - 0056	2026-04-21 13:25:59	2026-04-21 13:25:59	Active	2026-04-21		
<input type="checkbox"/>	90050	Test_prim_052	Test_prim_052	Slovakia - SK	ZSR - 0056	2026-04-21 13:02:27	2026-04-21 13:02:27	Active	2026-04-21		
<input type="checkbox"/>	90040	Test_prim_050	Test_prim_050	Slovakia - SK	ZSR - 0056	2026-04-21 10:55:05	2026-04-21 10:55:05	Active	2026-04-21		
<input type="checkbox"/>	90047	Test_prim_049 oprava 23 04 oprava druha	Test_prim_049 oprava 23 04 oprava druha	Slovakia - SK	ZSR - 0056	2026-04-21 09:52:40	2026-04-21 10:09:01	Active	2026-04-21		
<input type="checkbox"/>	90027	Test_prim_028 platny od 11.2 do 12.2.2026	Test_prim_028 platny od 11.2 do 12.2.2026	Slovakia - SK	ZSR - 0056	2026-04-21 09:52:40	2026-04-21 09:52:40	Active	2026-02-12		
<input type="checkbox"/>	19135	Viecka Lesy SR	Viecka Lesy SR	Slovakia - SK	ZSR - 0056	2014-06-09 09:52:28	2026-04-21 09:52:39	Active	2012-04-19		
<input type="checkbox"/>	19191	Viecka Letisko	Viecka Letisko	Slovakia - SK	ZSR - 0056	2013-12-08 14:15:54	2026-04-21 09:52:39	Active	2012-04-19		

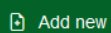
## Filter / Sorting / Paging

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)

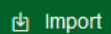
Paging size can be changed in the lower right corner.

## Actions



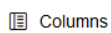
Add new

a new primary location can be created.



Import

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



Export to XML

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



Export XSD

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

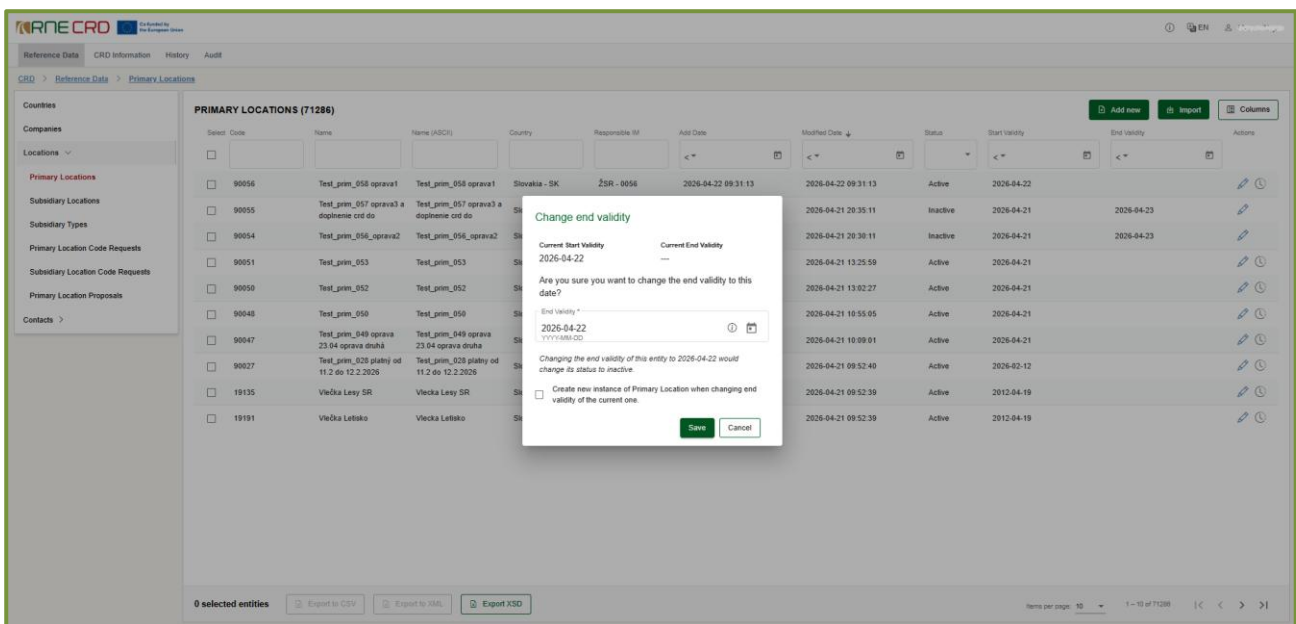


Edit: Opens the detail dialogue by means of which data can be edited



**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.

**Create New Instance:** When the 'Change End Validity' dialog is opened, a new checkbox is available:



'Create new instance of Primary Location'. If checked, upon saving the system will automatically:

1. Set the end validity date of the current (old) Primary Location as specified.
2. Create a new Primary Location with the same properties, a start validity date of equal to (end validity date of old primary location + 1 day), and an empty end validity date or equal to (start validity date of primary location, what is next in the timeline, minus 1 day).
3. Copy all associated Subsidiary Locations, Segments and Tracks to the new Primary Location.
4. Invalidate old SLCs Subsidiary Locations, S/Segments/Tracks and set validity periods based on the new Pegments and Tracks and set validity periods based on the new LCPrimary Location.
5. Replace the old segments with the new ones in all Section definitions.

After saving, the user is navigated directly to the detail view of the new Primary Location instance.

## Columns

This functionality can be used to hide or add columns in the table overview shown. Two new columns have been added: Start Date and End Date (validity period of the Primary Location). Both columns support filtering and sorting.

### 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_Vailidity,End_Vailidity,Responsible_IM_Code,Location_Name,
Location_Name_ASCII,NUTS_Code,Container_Handling_Flag,Handover_Point_Flag,Freight_Possible_Flag,Freigh
ht_Start_Vailidity,Freight_End_Vailidity,Passenger_Possible_Flag,Passenger_Start_Vailidity,Passenger_End_Validi
ty,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 attachement 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

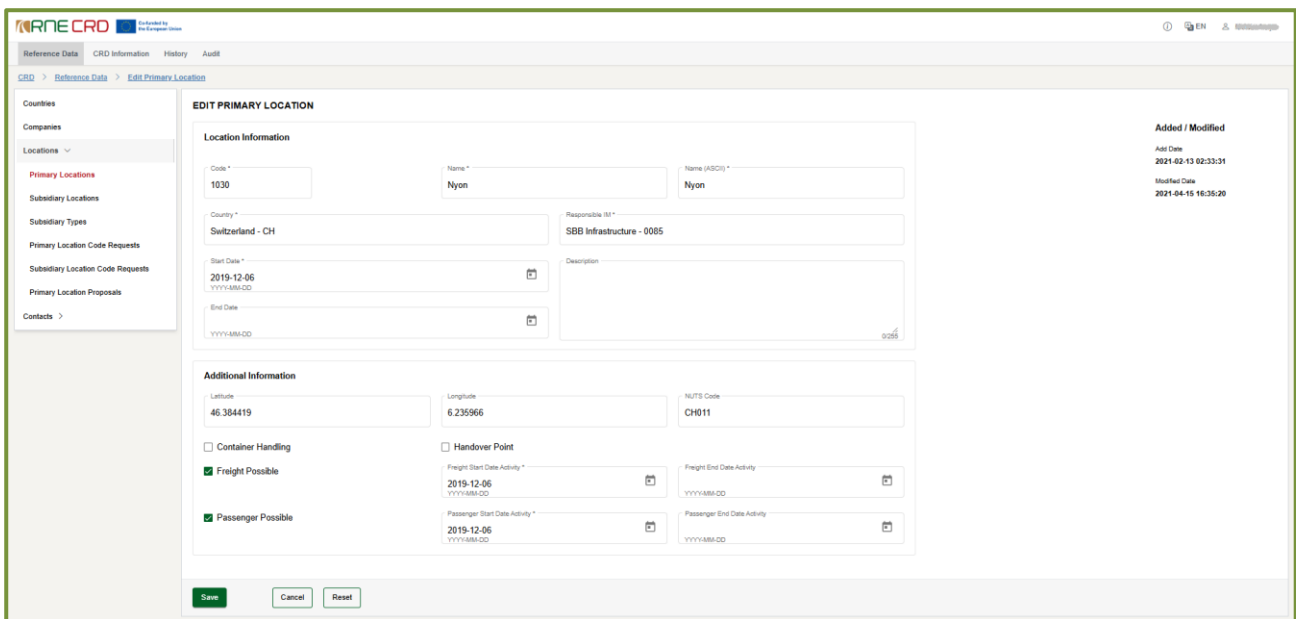
4....update end date to import date and create new instance of Primary Location (as described above)

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.

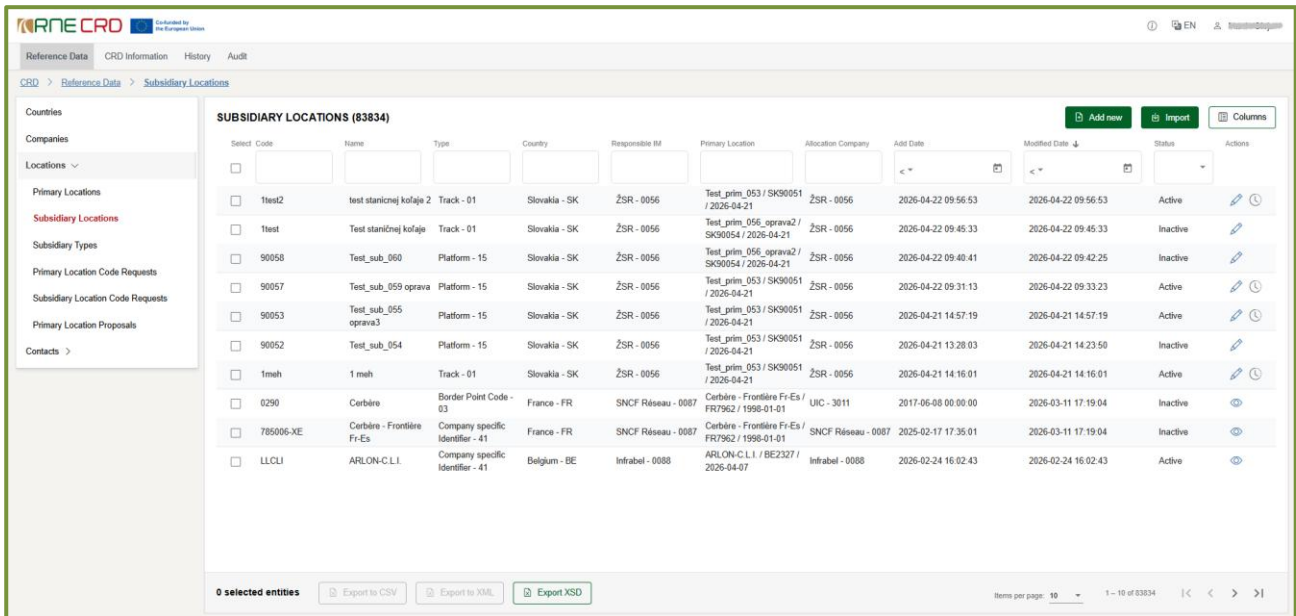
















Display of Start Date: Wherever the name and code of a Primary Location are displayed together, the start date is now also shown. The format is: NAME / PLC / START DATE (e.g. MADRID ABROÑIGAL / ES95104 / 2013-11-23). This applies in the properties panel of the Interactive Map, search results, Edit Section tool, Split Section tool, and all grid/lookup fields referencing a Primary Location

## 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 MF	Primary Location	Allocation Company	Add Date	Modified Date	Status	Actions
<input type="checkbox"/>	1test2	test stanicej kofaje 2	Track - 01	Slovakia - SK	ŽSR - 0056	Test_prim_053 / SK90051 / 2026-04-21	ŽSR - 0056	2026-04-22 09:56:53	2026-04-22 09:56:53	Active	 
<input type="checkbox"/>	1test	Test stanicej kofaje	Track - 01	Slovakia - SK	ŽSR - 0056	Test_prim_056_oprava2 / SK90054 / 2026-04-21	ŽSR - 0056	2026-04-22 09:45:33	2026-04-22 09:45:33	Inactive	
<input type="checkbox"/>	90058	Test_sub_060	Platform - 15	Slovakia - SK	ŽSR - 0056	Test_prim_056_oprava2 / SK90054 / 2026-04-21	ŽSR - 0056	2026-04-22 09:40:41	2026-04-22 09:42:25	Inactive	
<input type="checkbox"/>	90057	Test_sub_059 oprava	Platform - 15	Slovakia - SK	ŽSR - 0056	Test_prim_053 / SK90051 / 2026-04-21	ŽSR - 0056	2026-04-22 09:31:13	2026-04-22 09:33:23	Active	 
<input type="checkbox"/>	90053	Test_sub_055 oprava3	Platform - 15	Slovakia - SK	ŽSR - 0056	Test_prim_053 / SK90051 / 2026-04-21	ŽSR - 0056	2026-04-21 14:57:19	2026-04-21 14:57:19	Active	 
<input type="checkbox"/>	90052	Test_sub_054	Platform - 15	Slovakia - SK	ŽSR - 0056	Test_prim_053 / SK90051 / 2026-04-21	ŽSR - 0056	2026-04-21 13:28:03	2026-04-21 14:23:50	Inactive	
<input type="checkbox"/>	1meh	1 meh	Track - 01	Slovakia - SK	ŽSR - 0056	Test_prim_053 / SK90051 / 2026-04-21	ŽSR - 0056	2026-04-21 14:16:01	2026-04-21 14:16:01	Active	 
<input type="checkbox"/>	0290	Carbière	Border Point Code - 03	France - FR	SNCF Réseau - 0087	Carbière - Frontière Fr-Es / FR7962 / 1998-01-01	UIC - 3011	2017-06-08 00:00:00	2026-03-11 17:19:04	Inactive	
<input type="checkbox"/>	785006-XE	Carbière - Frontière Fr-Es	Company specific Identifier - 41	France - FR	SNCF Réseau - 0087	Carbière - Frontière Fr-Es / FR7962 / 1998-01-01	SNCF Réseau - 0087	2025-02-17 17:35:01	2026-03-11 17:19:04	Inactive	
<input type="checkbox"/>	LLCLJ	ARLON-C.L.I.	Company specific Identifier - 41	Belgium - BE	Infrabel - 0088	ARLON-C.L.I. / BE2327 / 2026-04-07	Infrabel - 0088	2026-02-24 16:02:43	2026-02-24 16:02:43	Active	

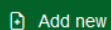
## Filter / Sorting / Paging

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.

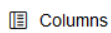
## Actions



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.

The grid contains also a column Primary Location. This column now shows the name, code and start date of the Primary Location

### 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,Alloc  
ation_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,Alloc
ation_Company_Code,Latitude,Longitude,Free_Text,action_flag
```

Action flag controls the type of import:

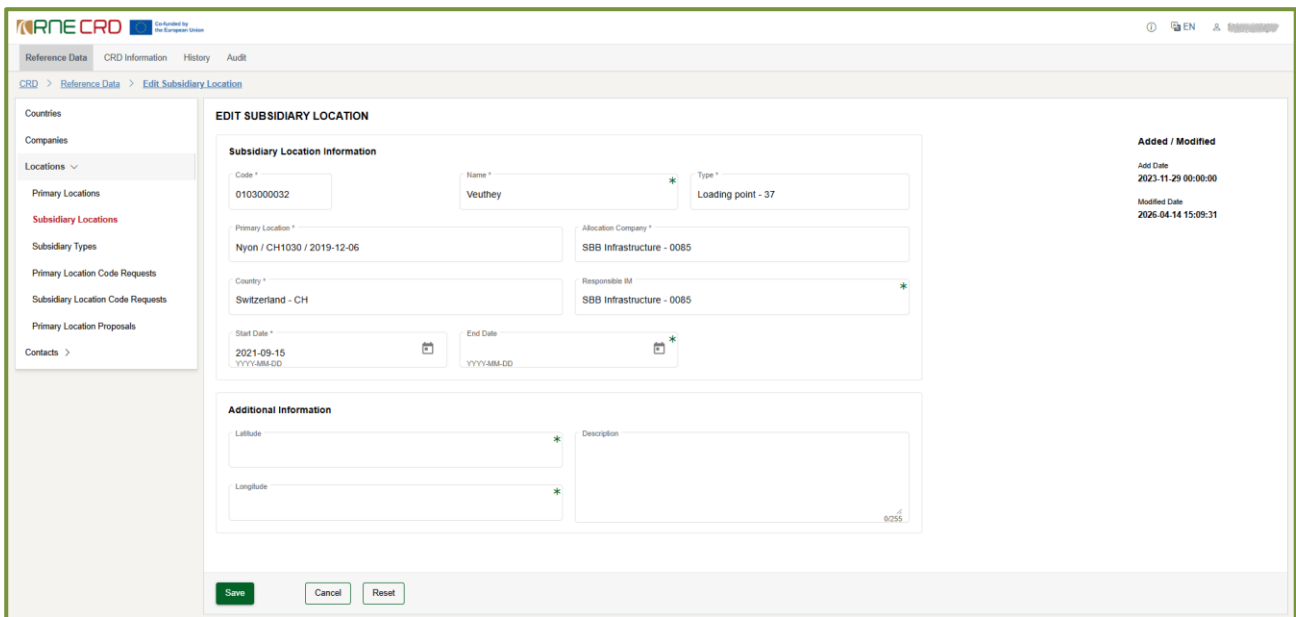
- 1....create new subsidiary location
- 2....update existing subsidiary location
- 3....update end date of existing subsidiary location to import date

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. Primary Location as name, PLC code and start date is shown as well.

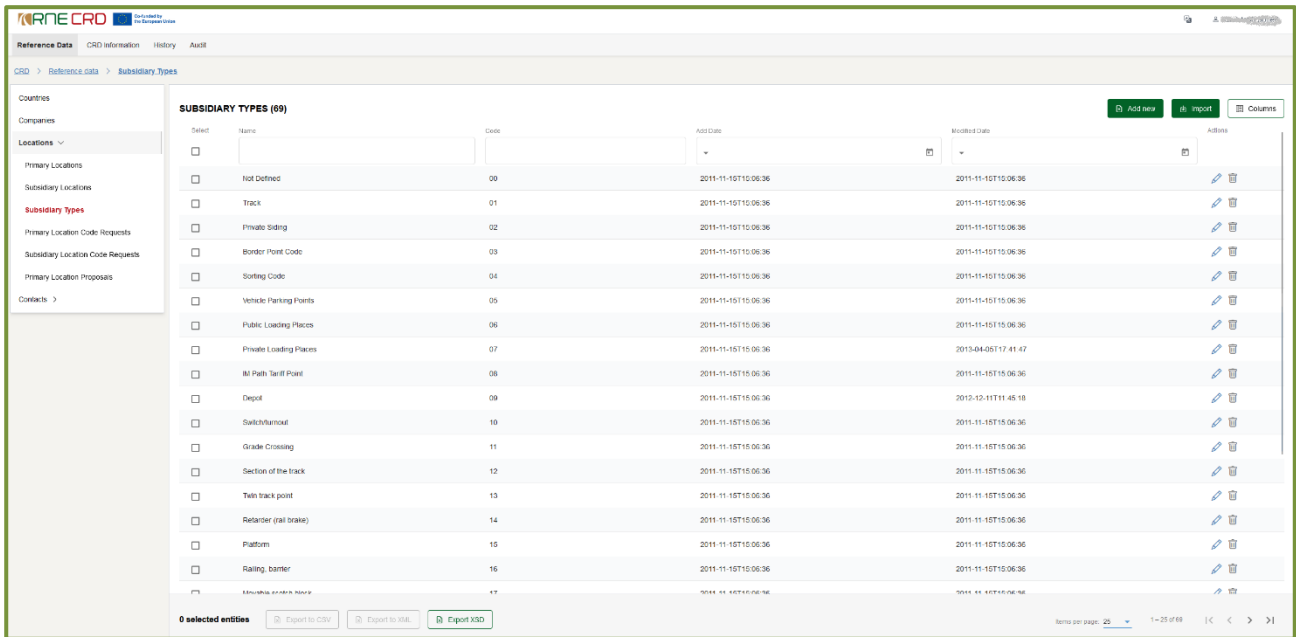
Depending on the privilege, the user can change the detailed data of the company.



## 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	2011-11-10T10:06:36	2011-11-10T10:06:36	
<input type="checkbox"/>	Track	01	2011-11-10T10:06:36	2011-11-10T10:06:36	
<input type="checkbox"/>	Private Siding	02	2011-11-10T10:06:36	2011-11-10T10:06:36	
<input type="checkbox"/>	Border Point Code	03	2011-11-10T10:06:36	2011-11-10T10:06:36	
<input type="checkbox"/>	Sorting Code	04	2011-11-10T10:06:36	2011-11-10T10:06:36	
<input type="checkbox"/>	Vehicle Parking Points	05	2011-11-10T10:06:36	2011-11-10T10:06:36	
<input type="checkbox"/>	Public Loading Places	06	2011-11-10T10:06:36	2011-11-10T10:06:36	
<input type="checkbox"/>	Private Loading Places	07	2011-11-15T15:06:36	2013-04-05T17:41:47	
<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	2013-12-11T11:45:18	
<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	

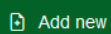
## Filter / Sorting / Paging

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).

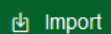
Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

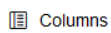
## Actions



a new subsidiary types can be created.



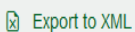
subsidiary types may be imported (see below)



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 attachment 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_Fla
g,National_Entity_Flag,Others_Flag,Free_Text,action_flag
```

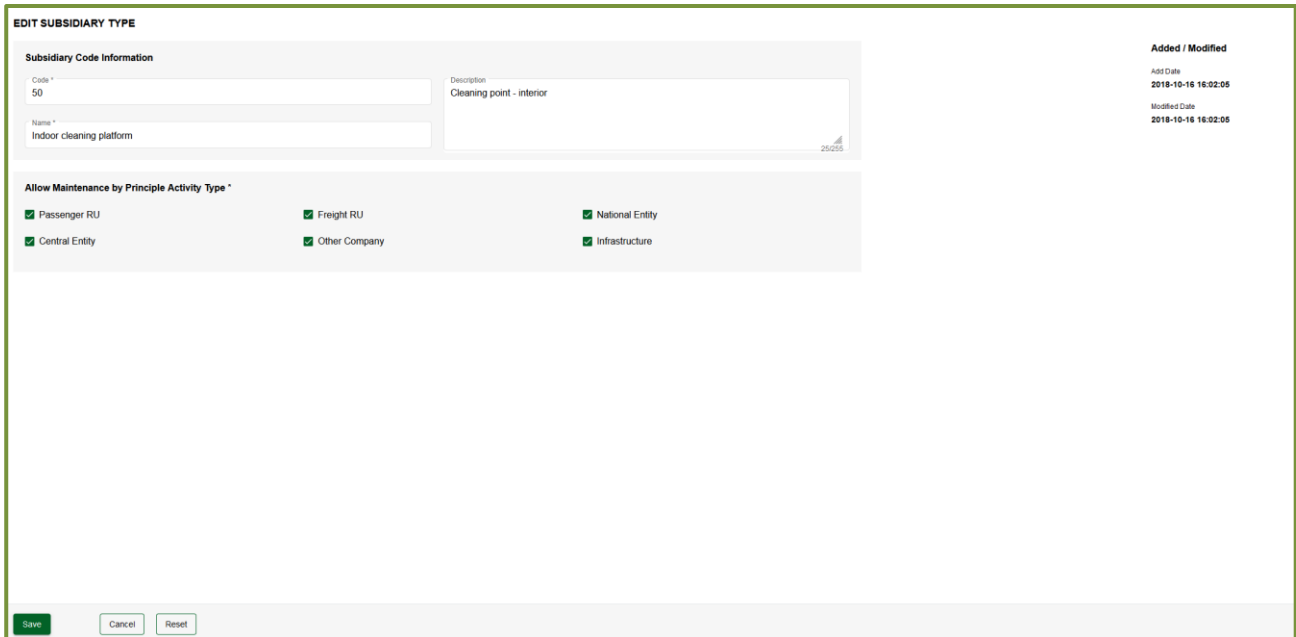
Action flag controls the type of import:

- 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

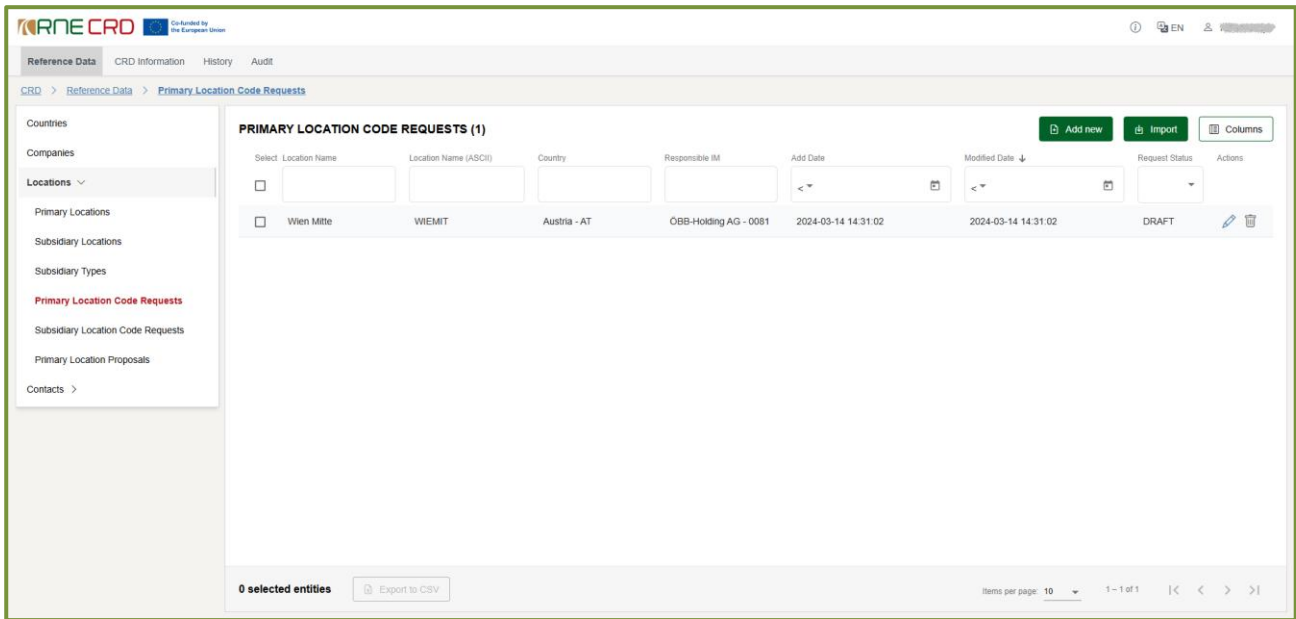


EDIT SUBSIDIARY TYPE		
<b>Subsidiary Code Information</b>		
Code *	50	
Name *	Indoor cleaning platform	
Description	Cleaning point - interior	
<b>Allow Maintenance by Principle Activity Type *</b>		
<input checked="" type="checkbox"/> Passenger RU	<input checked="" type="checkbox"/> Freight RU	<input checked="" type="checkbox"/> National Entity
<input checked="" type="checkbox"/> Central Entity	<input checked="" type="checkbox"/> Other Company	<input checked="" type="checkbox"/> Infrastructure
<b>Added / Modified</b>		
Add Date		
2018-10-16 16:02:05		
Modified Date		
2018-10-16 16:02:05		
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.



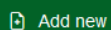
### Filter / Sorting / Paging

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).

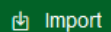
Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

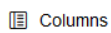
### Actions



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,N
UTS_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,Fre
e_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,N
UTS_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,Fre
e_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**

**Assigned Primary Location Code**

Location Code \*  
99999

**Location Information**

Location Name * Bockfließ	Location Name (ASCI) * BCK	Request Status * Draft
Responsible IM * ÖBB-Holding AG - 0081	Country * Austria - AT	Description
Start Date * 2024-01-04 <small>YYYY-MM-DD</small>	End Date <small>YYYY-MM-DD</small>	

**Additional information**

Latitude	Longitude	NUTS Code
----------	-----------	-----------

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 YYYY-MM-DD     Passenger End Date Activity YYYY-MM-DD

**Added / Modified**

Add Date  
2024-01-04 16:47:23

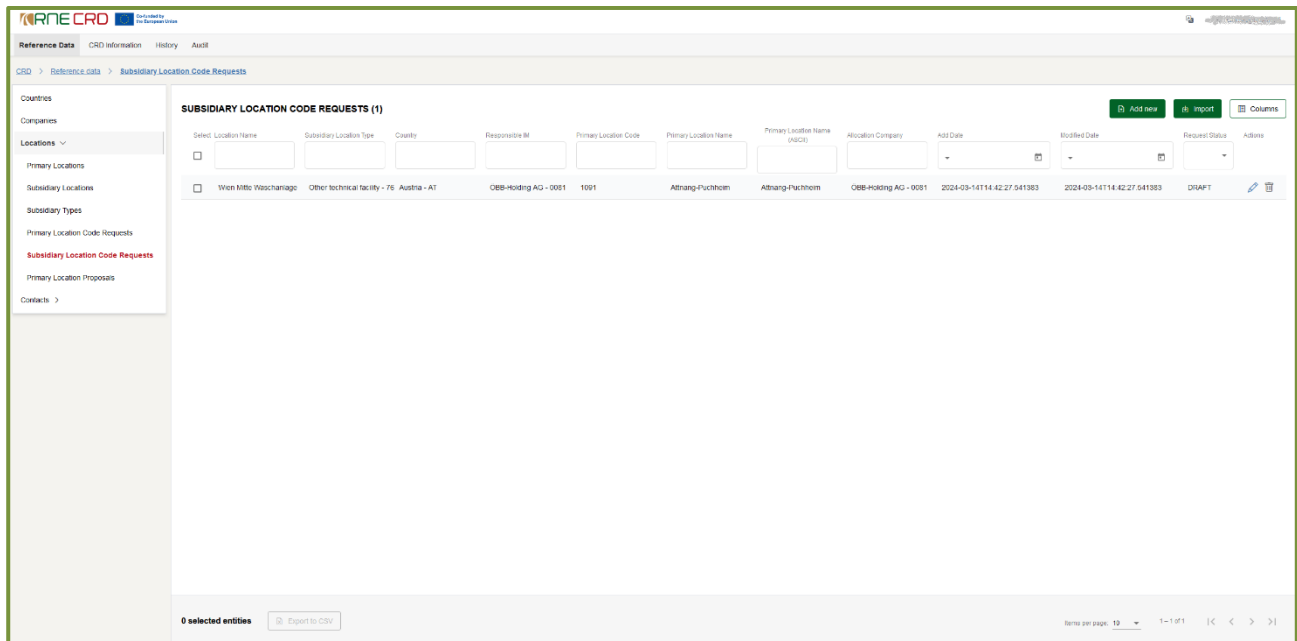
Modified Date  
2024-01-04 16:47:23

Save
Cancel
Reset

## 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.



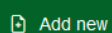
#### Filter / Sorting / Paging

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)

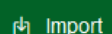
Paging size can be changed in the lower right corner.

#### Actions



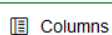
Add new

a new subsidiary location code request can be created.



Import

primary subsidiary code requests 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 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 <small>YYYY-MM-DD</small>	End Date <small>YYYY-MM-DD</small>

**Additional Information**

Latitude	Description	
Longitude		

**Added / Modified**

Add Date  
2024-01-30 14:37:31

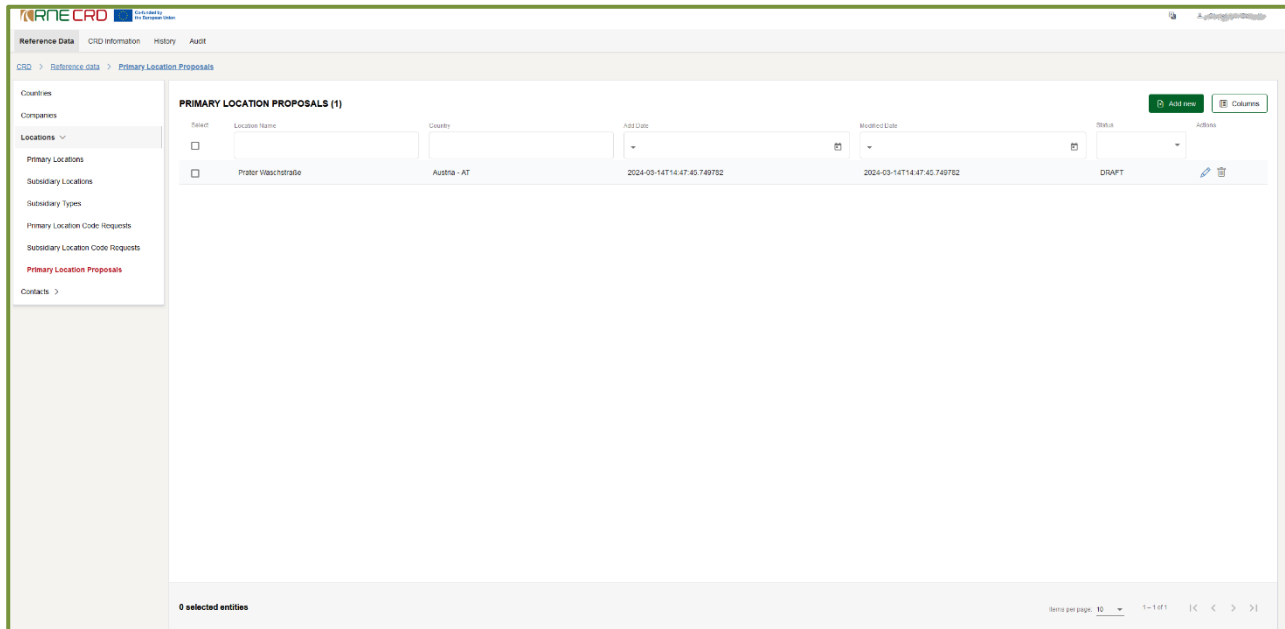
Modified Date  
2024-01-30 14:41:52

Save
Cancel
Reset

## 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).

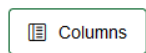
Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

#### Actions



a new subsidiary location code request can be created.



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.

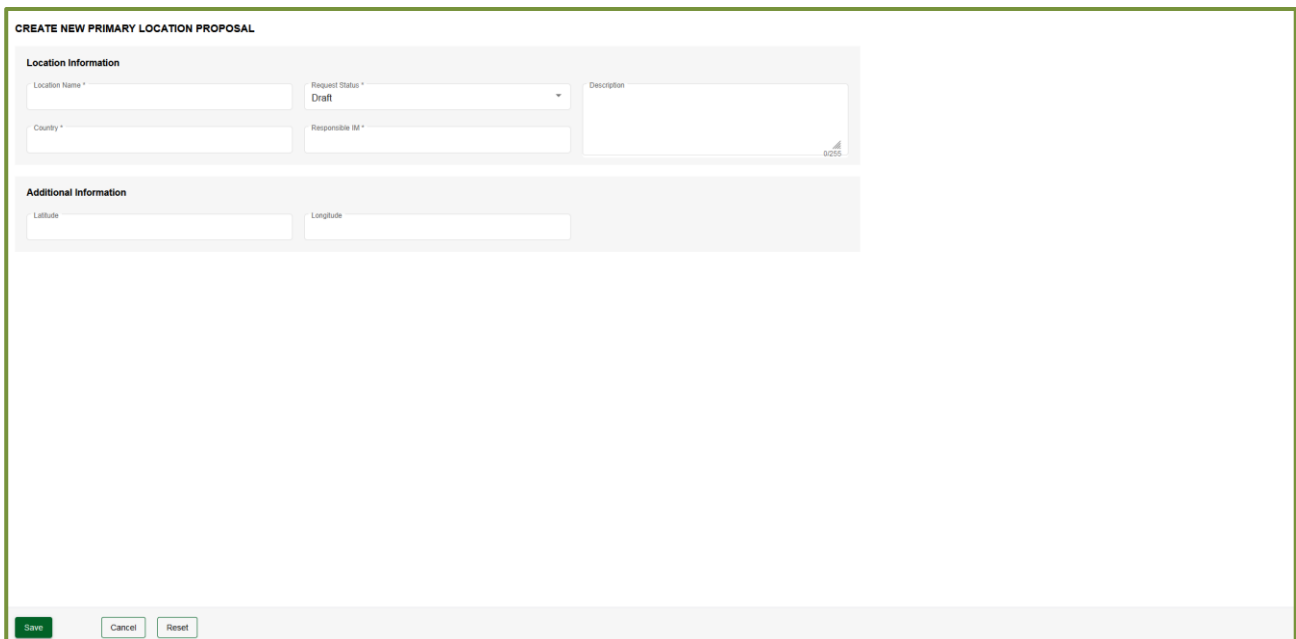
## Columns

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 responsibleIM 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 \*  Description

Country \*  Responsible IM \*

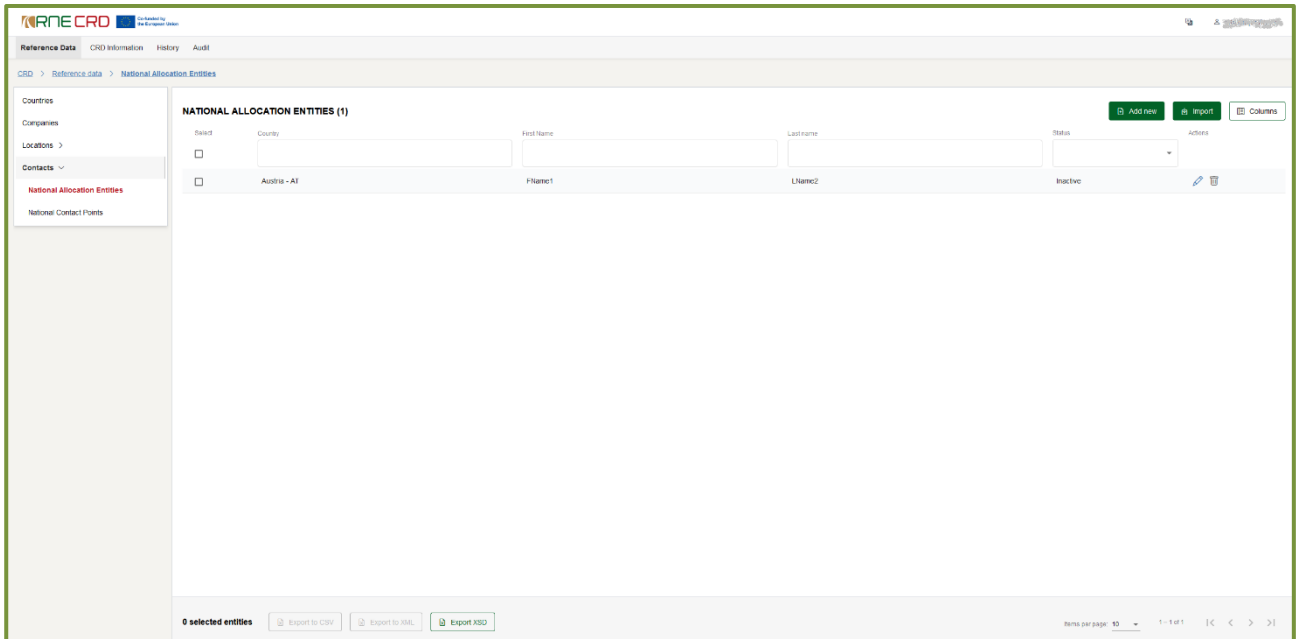
**Additional Information**

Latitude  Longitude

## 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).

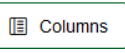
Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

#### Actions

 a new national allocation entity can be created.

 primary national allocation entity may be imported (see below)

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

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



not used in application yet; always inactive



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:

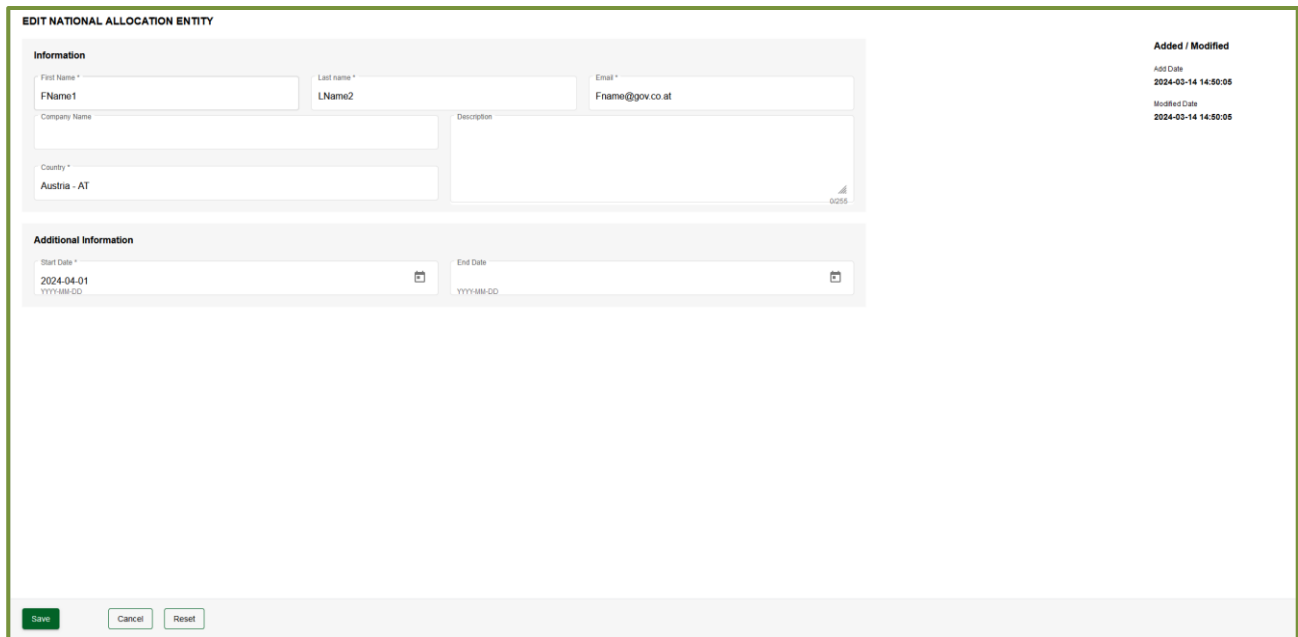
```
Country_ISO_code,Start_Validity,End_Validity,First_Name,Last_Name,Company_Name,Email,Comment,action_flag
```

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

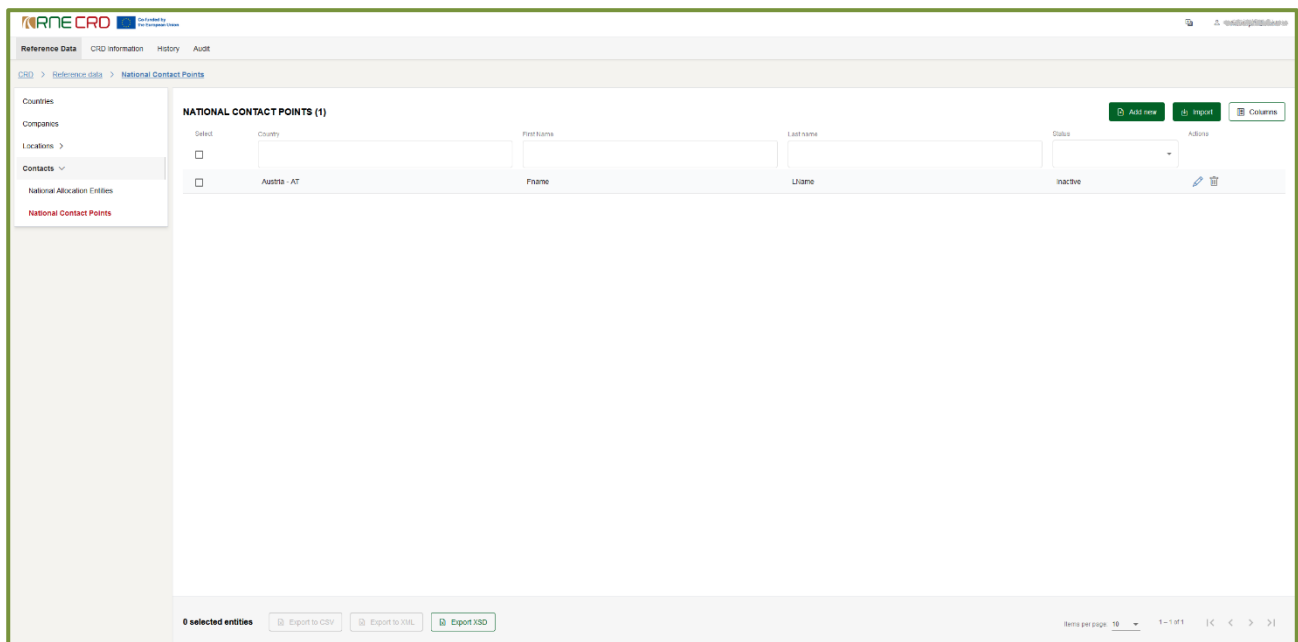


EDIT NATIONAL ALLOCATION ENTITY	
<b>Information</b>	<b>Added / Modified</b>
First Name * FName1	Add Date 2024-03-14 14:50:05
Last name * LName2	Modified Date 2024-03-14 14:50:05
Email * Fname@gov.co.at	
Company Name	
Description	
Country * Austria - AT	
<b>Additional Information</b>	
Start Date * 2024-04-01 YYYY-MM-DD	End Date YYYY-MM-DD
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.



### 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).

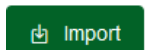
Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

Paging size can be changed in the lower right corner.

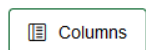
### Actions



a new national contact point can be created.



primary national contact point may be imported (see below)



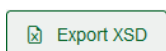
a column selector is opened by means of which the shown columns can be changed.



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



not used in application yet; always inactive



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**

<b>Information</b>	<b>Added / Modified</b>
First Name * Fname	Add Date 2024-03-14 14:54:32
Last name * LName	Modified Date 2024-03-14 14:54:32
Email * office@gov.co.at	
Company Name	
Description	
Country * Austria - AT	

<b>Additional Information</b>	
Start Date * 2024-04-01 YYYY-MM-DD	End Date YYYY-MM-DD

## 5 CRD Information

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

**RNE CRD** Secured by the European Union

Reference Data **CRD Information** History Audit

CRD > CRD Information

**CRD INFORMATION**

<b>CRD Information</b>		
Name CRD	Host crd.me.eu	Security Alias crd.ni.cc.eu
Alternative Host	Description Central Reference Files Database	

<b>Contact Information</b>				
First Name Vojkan	Last Name Stefanovic	Email support.ris@me.eu		
Phone No +43 1 907 6272 00	Mobile No	Fax Number		
Address 1 Ottizellgasse 3/0	Address 2	City Vienna	Post Code 1030	Country Austria - AT

<b>SMTP Information</b>		
SMTP Hostname mailrelay.me.eu	SMTP Port 25	<input checked="" type="radio"/> TLS <input type="radio"/> SSL
<input type="checkbox"/> Authentication Required		

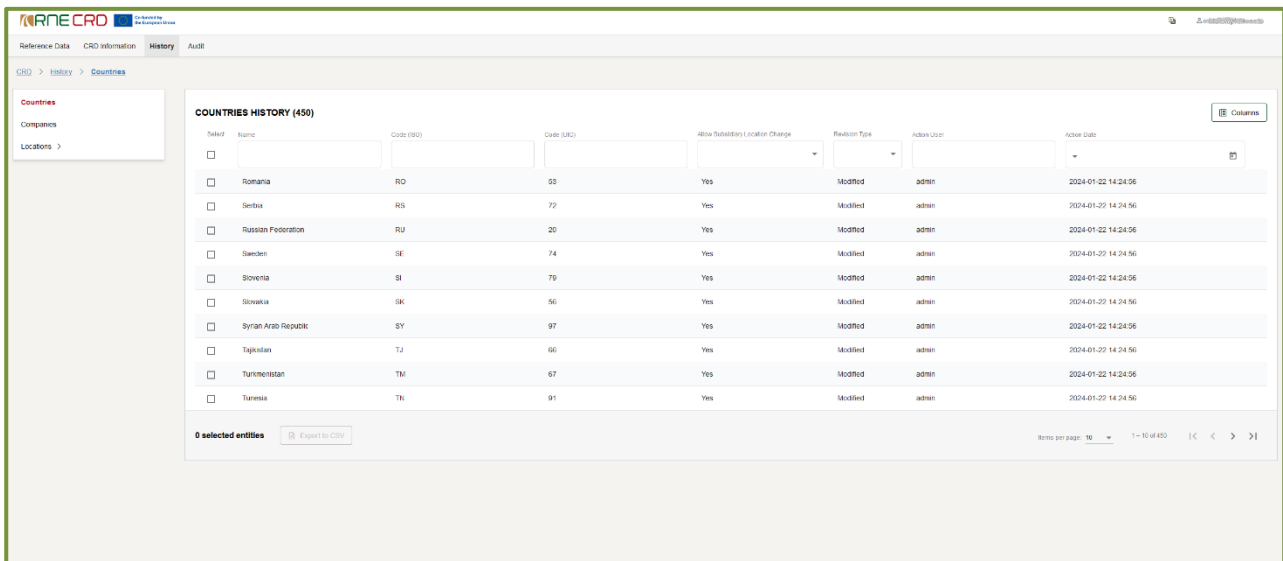
<b>Online Registration Information</b>			
Contact Person RNE CCS Manager	Phone No +43 1 907 6272 00	Email support.ris@me.eu	Default View Role

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.



Selected	Name	Code (ISO)	Code (UN)	Allow Substituted 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

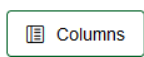
#### Filter / Sorting / Paging

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).

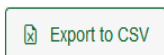
Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

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.

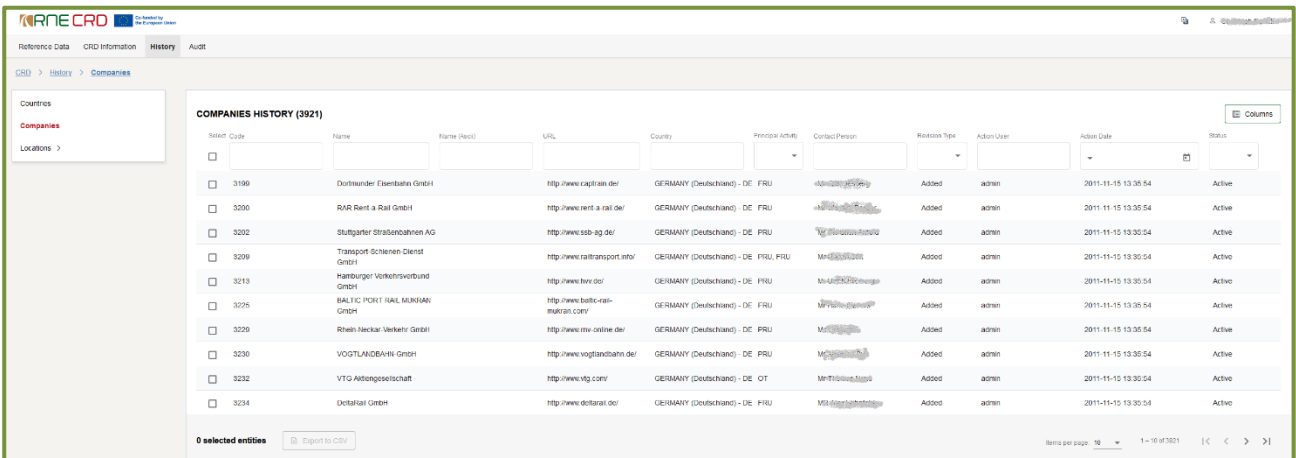
Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

Country\_ISO\_code, Country\_UIC\_Ident, Country\_Name\_EN, Country\_Name\_FR, Country\_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.



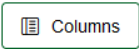
### Filter / Sorting / Paging

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).

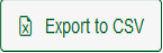
Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

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.

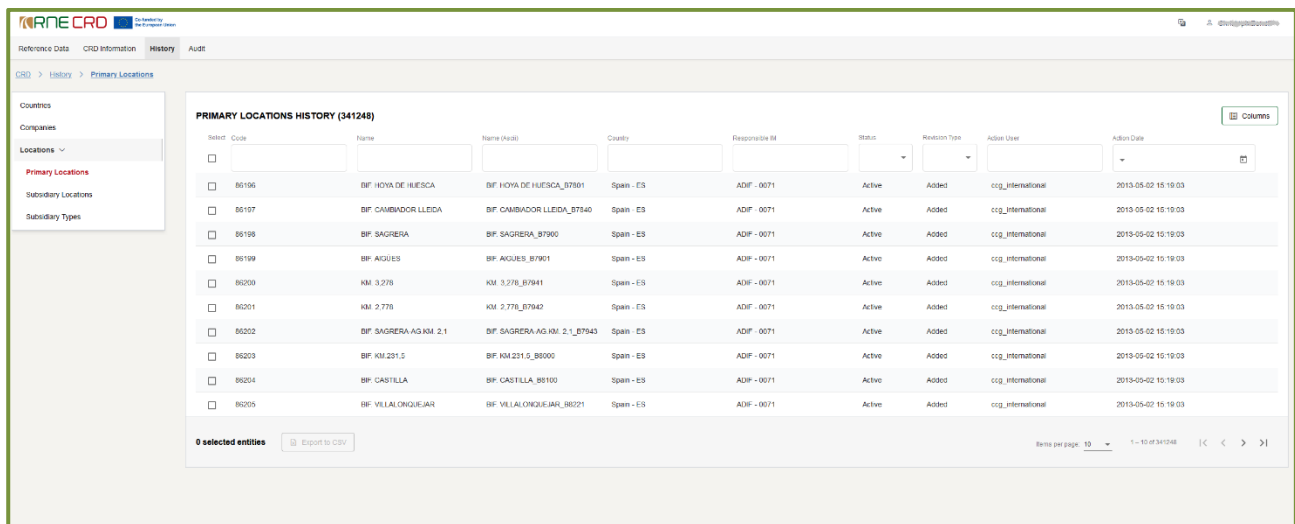
Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

Company\_UIC\_Code,Company\_Short\_Name,Company\_Name,Company\_Name\_ASCII,Company\_URL,Country\_ISO\_code,Start\_Vailidity,End\_Vailidity,Free\_Text,Contact\_Person,Email,Phone\_Number,Mobile\_Number,FAX\_N umber,Address,City,Postal\_Code,Passenger\_Flag,Freight\_Flag,Infrastructure\_Flag,Other\_Company\_flag,NA\_En tity\_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.



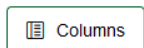
### Filter / Sorting / Paging

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).

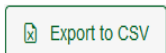
Sorting can be done by means of clicking on the header (lexicographical sorting up or down)

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.

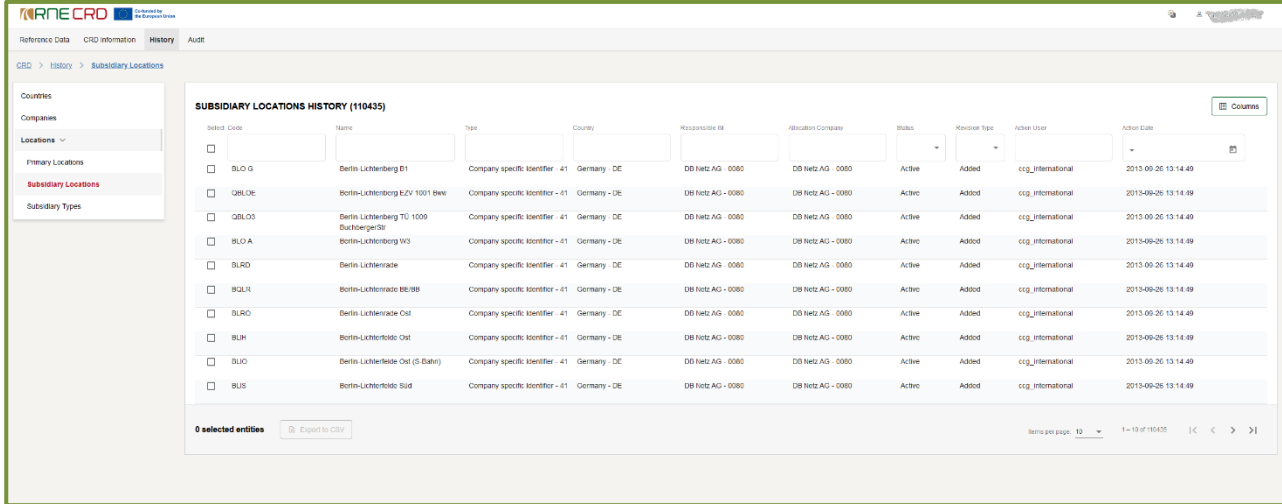
Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

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.



### 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

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

**Export to CSV** 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.

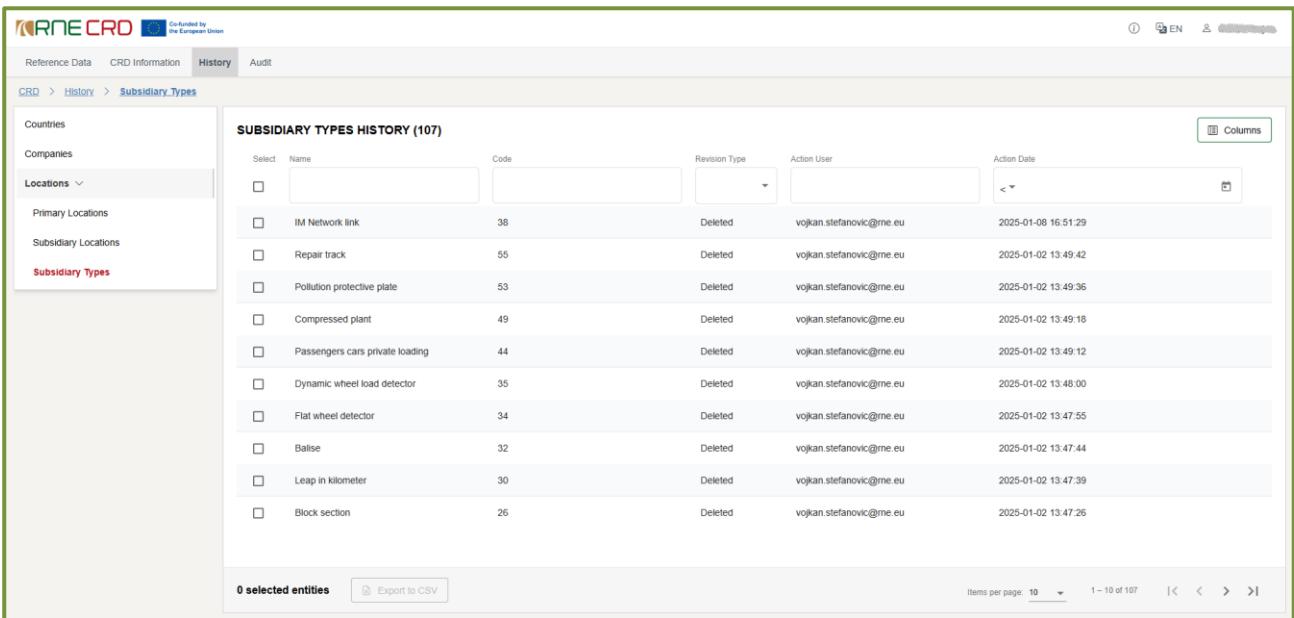
Hint: if all rows are selected the user can choose between export of all rows in the shown screen or all rows in the table.

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.



#### 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

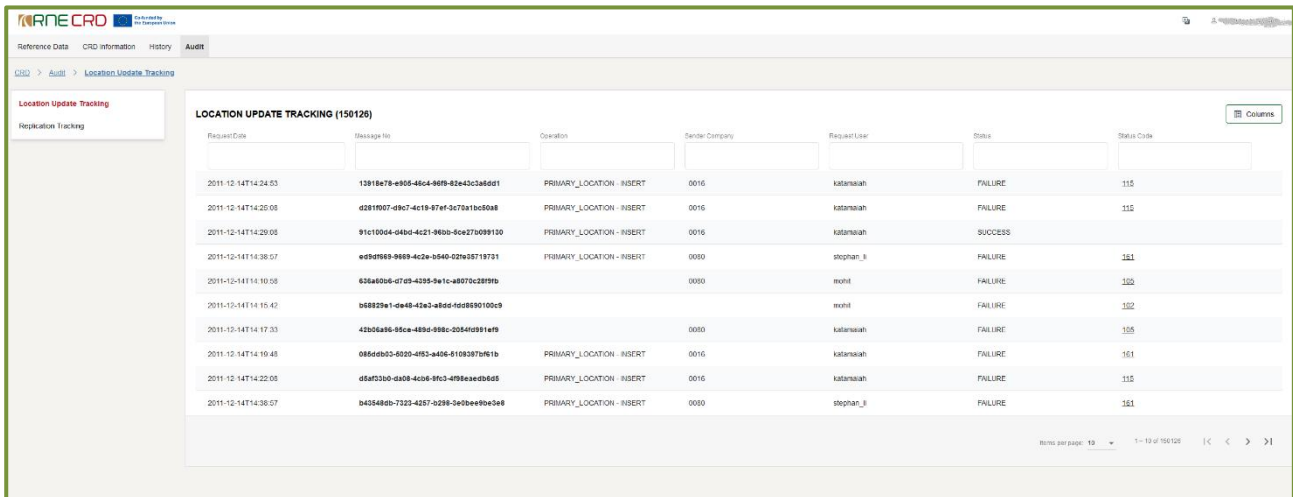
Created files are downloaded to the local drive.

Per-Entity Historical Data Export: A new 'Export History' button has been added to the detail screens of Country, Company, Primary Location, Subsidiary Location and Subsidiary Type (CRD / Reference Data). Clicking the button downloads a CSV file containing the complete change history for that specific entity. This complements the existing global history grids in CRD / History

## 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 'Location Update Tracking' interface. It features a table with the following columns: Request Date, Message No, Operation, Sender Company, Request User, Status, and Status Code. The table contains 10 rows of data, including successful and failed update requests.

Request Date	Message No	Operation	Sender Company	Request User	Status	Status Code
2011-12-14T14:24:53	11918e78-e905-46c4-96f9-82e43c3a8d01	PRIMARY_LOCATION - INSERT	0016	katamaliah	FAILURE	115
2011-12-14T14:25:08	d2819f07-d9c7-4c19-97ef-3c7ba1bc90a8	PRIMARY_LOCATION - INSERT	0016	katamaliah	FAILURE	115
2011-12-14T14:29:08	91c10044-04d4-4c21-96db-4ce27f009100	PRIMARY_LOCATION - INSERT	0016	katamaliah	SUCCESS	
2011-12-14T14:38:57	ed9d969-9699-4c2e-b640-02e26719731	PRIMARY_LOCATION - INSERT	0000	stephan_f	FAILURE	151
2011-12-14T14:10:58	63ba80b6-d7d3-4329-9a1c-a807c2899fb		0000	muhit	FAILURE	102
2011-12-14T14:15:42	b68829e1-ca48-42a3-a3dd-45d8890100c9			muhit	FAILURE	102
2011-12-14T14:17:33	42b0a86-95ca-488d-958c-0254f091a7f9		0000	katamaliah	FAILURE	105
2011-12-14T14:19:48	085e2b02-0020-4f52-a406-6108287b61b	PRIMARY_LOCATION - INSERT	0016	katamaliah	FAILURE	151
2011-12-14T14:22:05	d5af7330-da08-4c06-96c3-4999eae0b6d5	PRIMARY_LOCATION - INSERT	0016	katamaliah	FAILURE	115
2011-12-14T14:36:57	b43548db-7323-4257-d298-0e0bae89e3a8	PRIMARY_LOCATION - INSERT	0000	stephan_f	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.

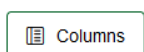
#### Filter / Sorting / Paging

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

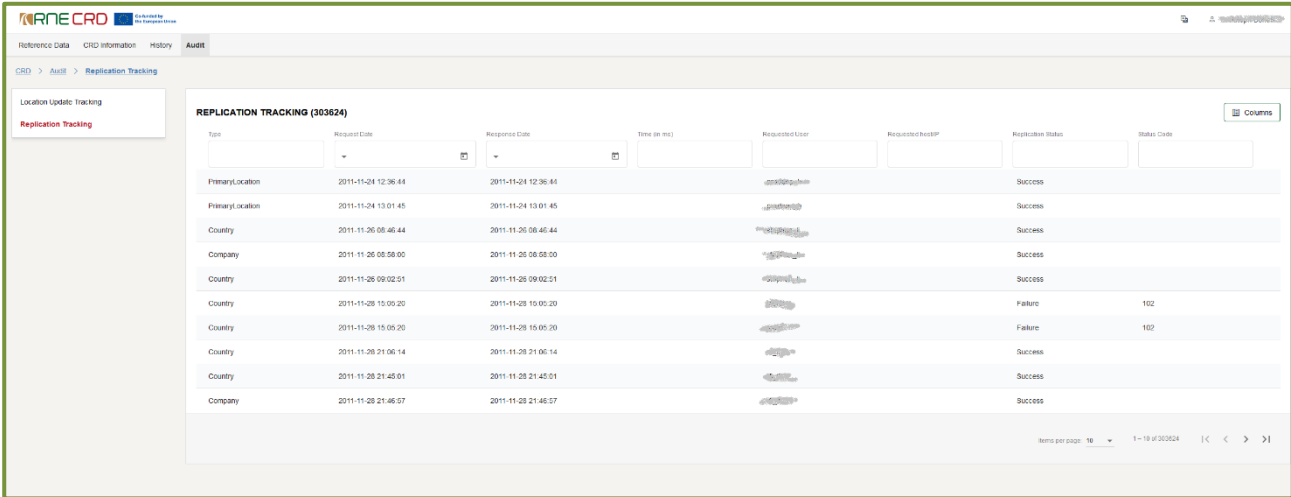


a column selector is opened by means of which the shown columns can be changed.

**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



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.

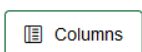
### Filter / Sorting / Paging

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.

**New PLC Instance and Topology:** When a new instance of a Primary Location is created (via the 'Create new instance' checkbox or CSV import), the system automatically handles topology consistency by copying all related Subsidiary Locations, Segments and Tracks to the new instance, invalidating the old entities and updating all Section references to point to the new Segment. No manual topology cleanup is required

## 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/wsdl/CRDRFDataReplicationWS>
  - UpdateWSDL
    - <https://crdservice-stage.rne.eu/CRD/wsdl/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:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:schema>
```

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

```
<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:choice>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

```
<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: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: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}[-](0[1-9]|1[012])[-](0[1-9]|[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:element ref="Add_Date"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

```
        <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: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 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_Vailidity" type="Date">
  <xs:annotation>
    <xs:documentation></xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="End_Vailidity" 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:restriction>
</xs:simpleType>
```

```
<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:maxLength value="2"/>
  </xs:restriction>
</xs:simpleType>

<xs:simpleType name="String4-4">
  <xs:restriction base="xs:string">
    <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>
```