



User Manual

RINF

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1 Introduction

The current document forms the user manual for the Register of Infrastructure (RINF) system. The Register of Infrastructure (RINF) software application is a web-based application facilitating access to the data of national registers of infrastructure at European level. It has been developed based on the specifications presented during the RISC 65 meeting.

It should be mentioned that the access rights of the RINF user depend on the role that is assigned to the user upon her/his creation. The process of creating users and afterwards assigning roles to them is described in the document “3. Administration, Operation and Maintenance Manual”.

The current manual describes the available actions for the following categories of users:

- Standard Users
- NRE Users
- IM Users

2 RINF user manual

Definitions, Acronyms, and Abbreviations

- **ERA:** European Railway Agency
- **RINF:** Register of Infrastructure
- **NRE:** Entity in charge for setting up and maintenance of national register
- **MS:** Member State
- **PDF:** Portable Document Format
- **UI:** User Interface

2.1 User experience (system navigation and page composition)

The RINF system comprises a web-based user interface and is accessible from any computer with an internet browser and network accessibility. The system functionality is presented in a series of web pages which follow a standard template.

Each web page contains the following parts (see red outlines in Figure 1):

1. Header – contains generic information about the session and the user account. The user has the “Log on” (if the user is not already logged on) and “Log off” options. When the user is logged-in to the RINF system, the header contains the navigation options that are available for the current user, i.e. the application Menu. Additionally, a language control allows the user to alter the User Interface language.
2. Content section – contains the actual content of the web page. The content of this section depends on the selection made from the header. When the user is not logged-in to the RINF system, the link “Request User Account” is displayed that allows a Public User to self-register in the RINF application by filling the respective form. In the content section, the link “User Manual” is always available and the user is able to download the User Manual directly from the application.



Figure 1: RINF web page structure

2.2 Access the RINF system

2.2.1 Login

To access the application the user has to type the URL of the RINF system in a browser. Then the RINF web site is displayed, as the following figure illustrates.



Figure 2: RINF web site

In order to login, the user has to click on the “Log on” option available at the header. Afterwards, the Login Page is presented (see Figure 3).



Figure 3: RINF Login form

In the Login Page, the user should follow the next steps:

- Fill-in the “User name” text field.
- Fill-in the “Password” text field.
- Click on the “Log in” button.

Once the user logs in successfully, the home page of the RINF system will be presented (see Figure 4).



Figure 4: RINF home page

As shown in the figure above, the user has the following options in the RINF system:

- Header section:
 - View profile – allows the user to view the information of his/her profile
 - Logoff – allows the user to log out from the RINF system
 - Search RINF Data – allows the user to search for RINF data
 - Visual Representation – allows the user to view the visual representation of RINF data on the map
 - Data Management – for managing the datasets (available only to NRE Users)
 - RINF Data Sets Management – for creating, editing and viewing the RINF data sets (available only to NRE and IM Users)

In the following sections, the above options are described in detail.

2.2.2 Remember Me

This option allows the user to remain logged-in after the user closes the internet browser. This is achieved by selecting the “Remember me” checkbox during the login process, as shown in Figure 3. The next time the user accesses RINF, the system will recognise the logged-in user and bypass the login page.

If at any point after selecting the “Remember me” option the user clicks the “Log off” option, then the user is logged out and the RINF system will not remember the user details.

2.2.3 Logoff

The user may close the session by clicking on the “Log off” link in the header section. If the “Remember me” option was previously selected, it will now be removed. The user will need to provide the user credentials again in order to access the RINF system.

2.2.4 View profile

The user can view the details of her/his profile by clicking on the “username” link available on the header section (see Figure 5). Then, the profile information page is displayed in read-only mode.



Field	Value
First Name	John Doe
Last Name	Smith
Username	jsd
Password	123456
Email	john.doe@company.com
Organization Name	ABC
Address	12345
Country	USA

Figure 5: User profile information page

2.2.5 Public user registration

The RINF system allows a Public User to self-register in the application by filling the respective form. The public user can only have a standard user role.

By clicking the “Request User Account” link the RINF system opens the form displayed in the following figure:

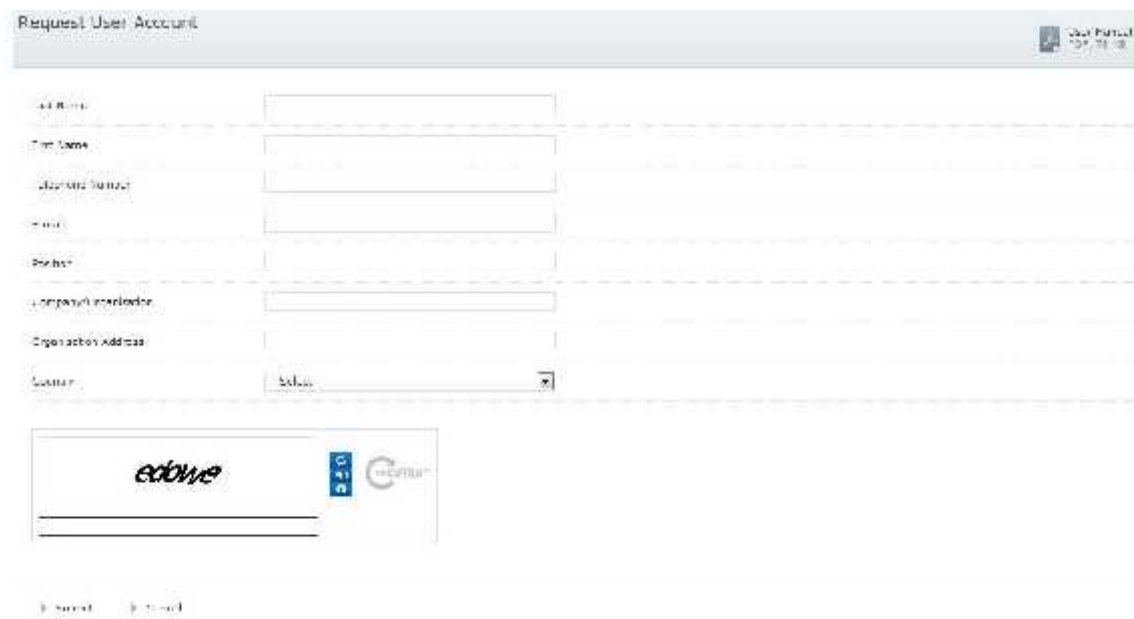


Figure 6: Public user registration form

The Public User fills in the form and clicks on the “Submit” link. At this point it should be mentioned that all fields are mandatory and that the provided e-mail will be used as the “Username” of the Public User.

The RINF system validates the provided data and sends an e-mail with a link for activation to the Public User. The activation link is usable only once and cannot be used to activate an account deactivated by the administrator.

A new web page is displayed to the Public User in order to set up his/her password. The following validation rules are applied for the password definition:

- Length 10 characters minimum
- At least 1 Capital character
- At least 1 Number



Figure 7: Public user's account activation

The Public User defines his/her password according the existing rules and clicks on the “Save” button. At the top of the page is displayed an informative message regarding the successful activation of the user.



Figure 8: Successful user account activation

2.2.6 Password recovery

Through the RINF Login form (Figure 3) the user can reset his/her password in case he/she has forgotten it.

By clicking on the “Forgot your password?” link, the RINF system opens the “Forgot Password” page:



Figure 9: Forgot password

In the displayed page, the user provides his/her e-mail account and clicks the “Submit” button.

- In case of a public user, the system sends an e-mail with a link to change the password. The link is usable only once.

- In case of ERA, NRE or IM user, a message is displayed and prompts the user to contact ERA’s Service Desk.

2.3 Standard Users

The Standard Users can perform the actions described in the following sections.

2.3.1 Search RINF Data

To search for RINF Data, the user should click on the “Search RINF Data” link available at the header section (see Figure 4 (for the Standard Users the “Data Management” link will not be available at the header section)). Then, the “Search RINF Data” page is displayed (see Figure 10).



Figure 10: Search RINF data initial page

The user should select:

- Search item
 - OP
 - SoL

Furthermore, the user may select to load a search query from the “Search queries” dropdown list.

The definition of the “Member State” is mandatory for the search process. By checking the “Select all countries” checkbox, all Member States are selected as a search criterion. Additionally the dropdown “Filter NYA” is available under the countries filters with the following options:

- All (default value): If it is selected, the RINF system will present all OPs/SoLs
- Without NYA: If it is selected, the RINF system will present only the OPs/SoLs that do not have any parameter NYA (Not Yet Available)
- With NYA: If it is selected, the RINF system will present only the OPs/SoLs that have at least one parameter NYA(Not Yet Available)

By selecting a “Search item”, additional search options are displayed as the following figure illustrates (Figure 11)

Search RINF Data User Manual 10/17/2016

Search Criteria

Search item:

Search queries:

MEMBER STATE

<input type="checkbox"/> Austria	<input type="checkbox"/> Belgium	<input type="checkbox"/> Bulgaria	<input type="checkbox"/> Channel Islands	<input type="checkbox"/> Croatia	<input type="checkbox"/> Cyprus	<input type="checkbox"/> Czech Republic	<input type="checkbox"/> Denmark
<input type="checkbox"/> Estonia	<input type="checkbox"/> Finland	<input type="checkbox"/> France	<input type="checkbox"/> Germany	<input type="checkbox"/> Greece	<input type="checkbox"/> Hungary	<input type="checkbox"/> Ireland	<input type="checkbox"/> Italy
<input type="checkbox"/> Latvia	<input type="checkbox"/> Lithuania	<input type="checkbox"/> Luxembourg	<input type="checkbox"/> Malta	<input type="checkbox"/> Norway	<input type="checkbox"/> Poland	<input type="checkbox"/> Portugal	<input type="checkbox"/> Romania
<input type="checkbox"/> Slovak Republic	<input type="checkbox"/> Slovenia	<input type="checkbox"/> Spain	<input type="checkbox"/> Sweden	<input type="checkbox"/> Switzerland	<input type="checkbox"/> The Netherlands	<input type="checkbox"/> United Kingdom	

Select all countries

After WTA:

OPERATIONAL POINT

Generic Information

Type of Operational Point:

Name of Operational Point:

UNEP OP ID:

Validity Date Start:

Validity Date End:

Figure 11: Additional search criteria

The user may click on the “More Criteria” option and the full set of search criteria will be displayed. Again the user may click on the desired criterion and additional options will be presented (see Figure 12).

More Criteria

OP-TNF-TNF primary code Is Applicable

Geographical location of Operational Point

Latitude

Longitude

Railway location of Operational Point

kilometer Operator

National line identification

RUNNING TRACK

General information

Destinations of verification for track

EC declaration of verification for track (DVF) Is Applicable

EU declaration of demonstration for track (DDE) Is Applicable

Performance parameters

Category of line Is Applicable

Track classification of track Is Applicable

Part of a Railway Freight Corridor Is Applicable

Line layout

Track parameters

Yards

Platforms

SIDING

Submit Clear Save search history

Figure 12: The full search of search criteria

To initiate the search process, the user may fill in any of the available search criteria and click on the “Submit” button (see Figure 10 or Figure 11 or Figure 12). Then the respective search results will be displayed as the following figure illustrates.

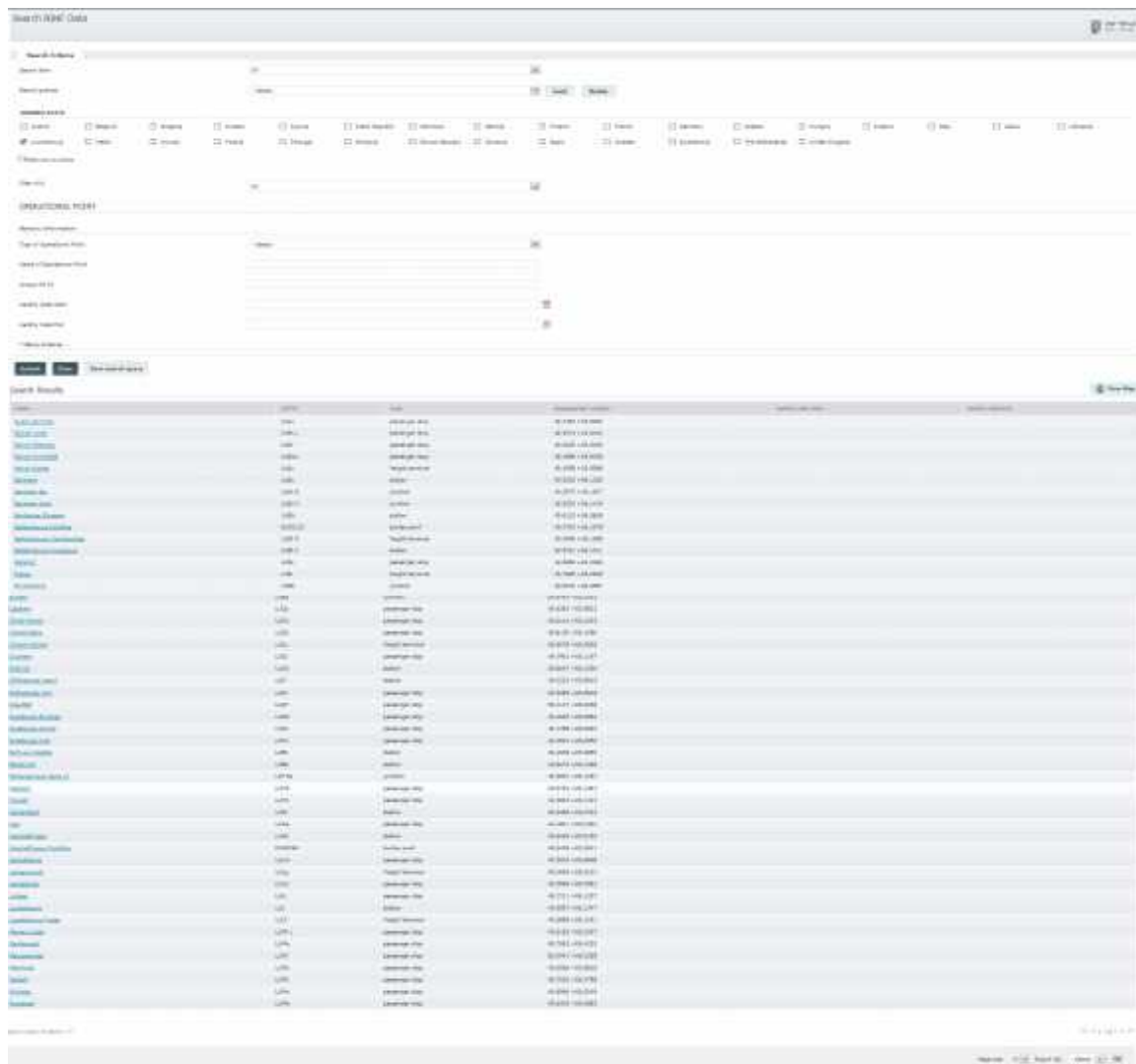


Figure 13: Search results

The search results are displayed as hyperlinks and are grouped into pages:

- To go to a specific page, click on the page number ([1 2 3]) at the bottom of the list.
- To move to the next/previous page, click on the > >> / <<< < link at the bottom of the list.
- To display more/less items per page, chose the number of items in the PAGE SIZE: 10 dropdown menu at bottom of the list.
- To export the list, select the desired format ("XLSX" and "XML" are available) and click on the OK button at the bottom of the list.

2.3.1.1 View search result details

In order to view the details of a search result, the user can click on the "Name" link of the desired search result. Then a new browser tab is displayed (see Figure 14) that contains the following information (available through the "View detailed information for" dropdown list) for the search result:

- Generic Information (displayed by default)

- Track information
- Siding information (only for OP search results).



Figure 14: Details of search result

The next figure displays the track information for the search result.

OPERATIONAL POINT **Bettembourg-Voyageurs** User Manual
F07 / 15 PC

View detailed information for: **RUNNING TRACK voie 1**

Generic information

DM's Code	82
Identification of track	voie 1

Declarations of verification for track

EC declaration of verification for track (INF)

ET declaration of demonstration for track (INF)

Performance parameters

TEU classification of track	Part of the TEN-T Core Passenger Network Part of the TEN-T Core Freight Network
Category of Line	PA F2
Part of a Railway Freight Corridor	North Sea-Mediterranean RCF (RFF 7)

Line layout

Interoperable gauges	60
Multinational gauges	
National gauges	

Track parameters

Nominal track gauge	1435
---------------------	------

Platform I

DM's Code	87
Identification of platform	I
TEU classification of platform	
Usable length of platform	127
Height of platform	300-300
Existence of platform assistance for starting train	N
Range of use of the platform boarding aid	

[Export](#)

Figure 15: Track information for a search result

Moreover, the user may export the details of the search result in XLSX format by clicking on the “Export” link.

2.3.1.2 View search results on map

The user may view the search results on the map by clicking on the “View Map” button above the search results section (see Figure 13). Then the respective information is displayed.

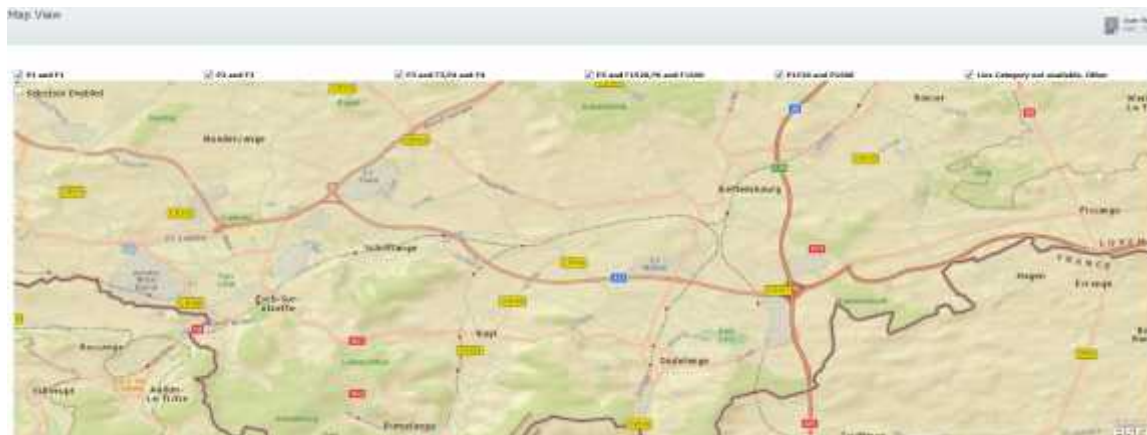


Figure 16: View search results on map

By double clicking on a search result (in the current figure 16, the OPS are visualised as small red points) a pop up is displayed containing its brief information.

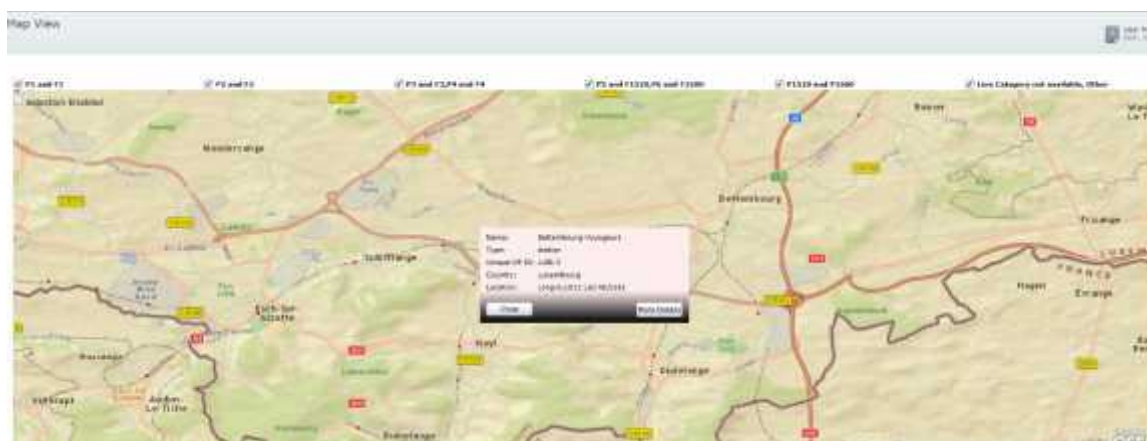


Figure 17: Details of a search result on the map

The user may view additional details for the search result by clicking on the “More Details” button. Then, the full details of the search result are displayed as described in section “2.3.1.1 View search result details”.

2.3.1.3 Save a search query

In order to save a search query, the user should click on the “Save search query” button available at the bottom of the search form (see Figure 11 or Figure 12). Then a pop-up is displayed as the following figure illustrates.



Figure 18: Save search query

- Provide a name for the query.
- Click on the “Save search query” button.

The pop-up closes, a success message is displayed at the top of the search form and the search query is loaded to the “Search queries” dropdown list (Figure 19).

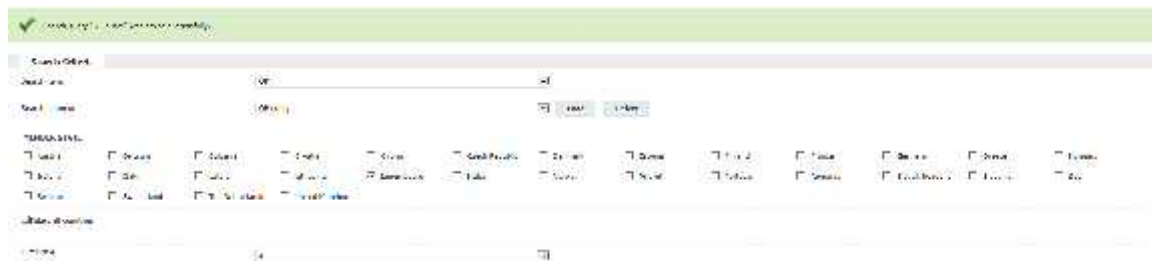


Figure 19: Saved search query

2.3.1.4 Load a search query

To load a search query the user should select the desired search query from the “Search queries” dropdown list (see Figure 19). Upon selecting the search query, an informative message is displayed at the top of the search form as the following figure depicts.

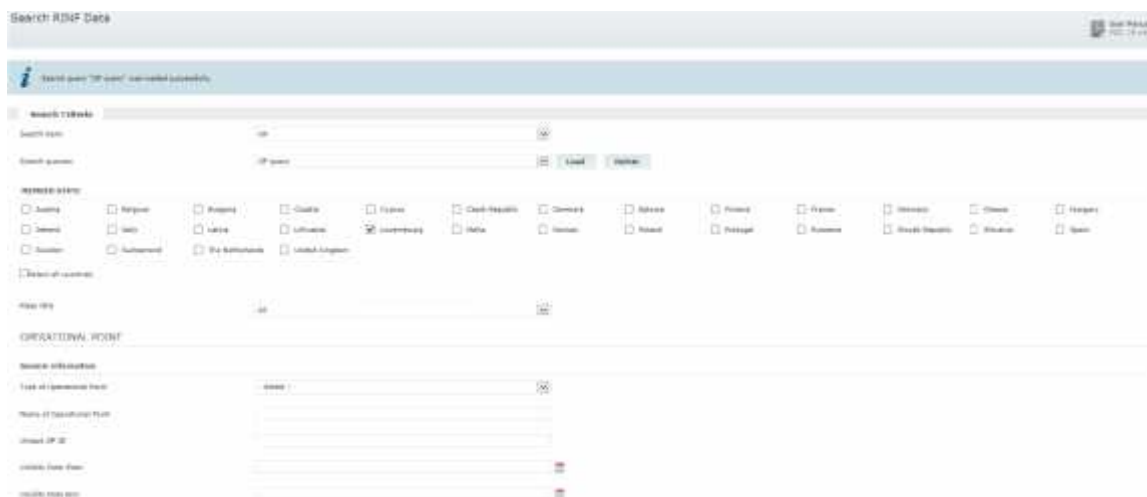


Figure 20: Load search query

2.3.1.5 Delete a search query

In order to delete a search query, the user should select the desired search query from the “Search queries” dropdown list (see Figure 19) and click on the “Delete” button. The system will prompt the user to confirm the deletion and upon confirmation the query will be deleted and an appropriate message will be displayed at the top of the search form.

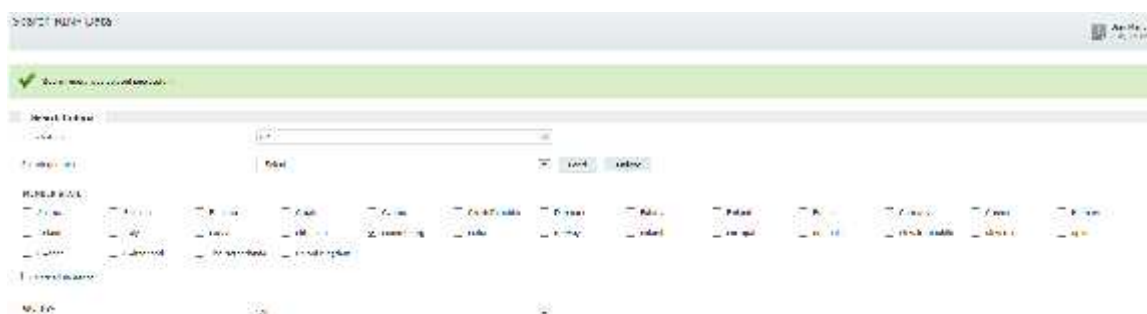


Figure 21: Delete search query

2.3.2 Visual Representation

To view the visual representation of the RINF data of a country on the map, the user should click on the “Visual Representation” link available at the header section (see Figure 4 (for the Standard Users the “Data Management” link will not be available at the header section)). Then the respective page is displayed.



Figure 24: RINF description of the selected geographical area

2.4 NRE Users

The NRE Users can perform the actions described in the following sections.

2.4.1 Search RINF Data

The process of searching for RINF data for NRE Users is similar to the process that is described in section “2.3.1 Search RINF Data” for the case of the Standard Users.

2.4.2 Visual Representation

The process of viewing the RINF data on the map for NRE Users is similar to the process that is described in section “2.3.2 Visual Representation” for the case of the Standard Users.

2.4.3 Data Management

In order to access the Data Management page, the user should click on the “Data Management” link available at the header section (see Figure 1 or Figure 4). Then, the respective page is displayed.



id	Name	Age (in HRS)	Availability	Add Link Status	Data Exported
<input type="checkbox"/>	12001	0.02	Available	Error detected	
<input type="checkbox"/>	12002	0.04	Available	Error detected	
<input type="checkbox"/>	12003	0.02	Available	Error detected	
<input type="checkbox"/>	12004	0.04	Available	Error detected	2020-01-15 10:05:00
<input type="checkbox"/>	12005	0.04	Imported	Download link status page	2020-01-15 10:05:00
<input type="checkbox"/>	12006	0.04	Available	Error detected	
<input type="checkbox"/>	12007	0.04	Imported	Download link status page	2020-01-15 10:05:00
<input type="checkbox"/>	12008	0.04	Available	Error detected	
<input type="checkbox"/>	12009	0.02	Available	Error detected	

Figure 25: Data Management page

By default, all the datasets of the user’s country are displayed in a list.

2.4.3.1 Upload Dataset

The user should click on the “Upload Dataset” button in order to upload a dataset to RINF (see Figure 25). Then the respective pop-up window is displayed (see Figure 26). The dataset should be in XML format and compressed within a .zip file.

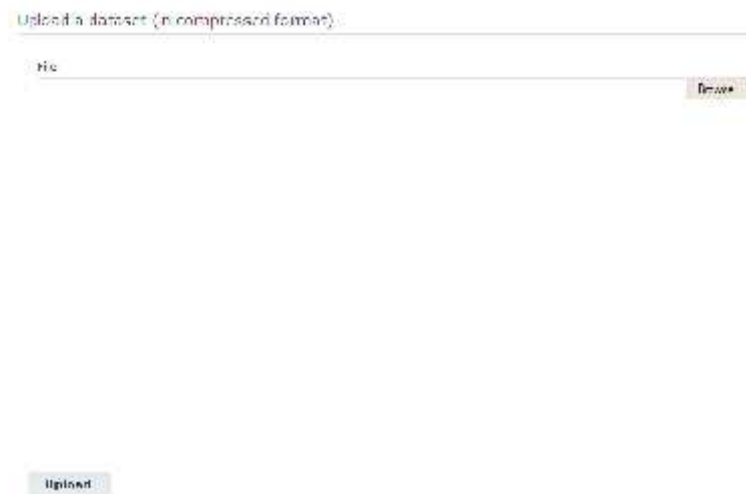


Figure 26: Upload dataset pop-up window

Upon selecting the desired ZIP file, the user should click on the “Upload” button. The system will validate the uploaded file and if it is not in .zip format or the ZIP does not contain an XML file, an informative message will be displayed.

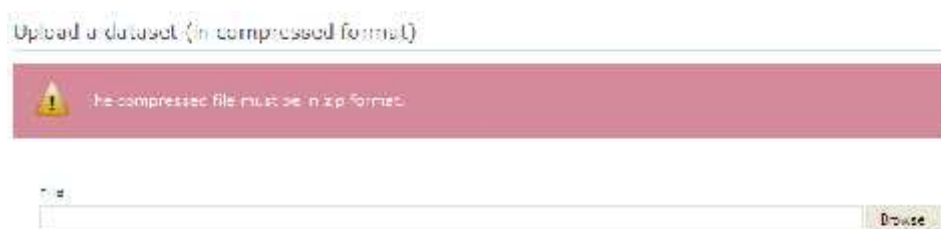


Figure 27: Error message when the uploaded file is not in .zip format

Otherwise, the system will upload the file, unzip it, close the pop-up, and display an informative success message at the top of the Data Management page.



Figure 28: Successful upload of RINF dataset

The “File Status” of the uploaded RINF dataset is “Available” and the “Validation Status” is “Not started”.

2.4.3.2 Validate Dataset

In order to validate a dataset, the user has to select the desired dataset and click on the “Validate” button (see Figure 25 or Figure 28). The system will display a pop-up prompting the user to confirm the action.

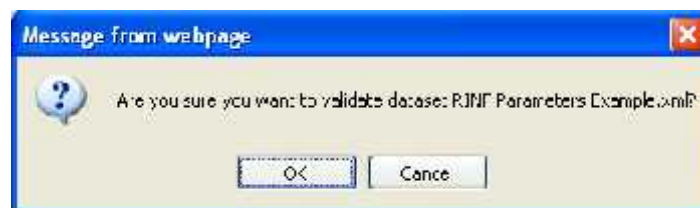


Figure 29: RINF dataset validation, confirmation pop-up

Upon user confirmation, the system initiates the validation process (Validation status = “In progress”) and an informative message is displayed at the top of the Data Management page (see Figure 30).



Figure 30: Initiation of dataset validation process

The user should click on the “Search” button in order to refresh the page and view the outcome of the validation.

If no validation errors exist, then the “Validation Status” will change to “Successful”. Otherwise, the “Validation Status” will change to “Errors detected” or “Successful with parameters NYA” (active link). The user may click on the “Errors detected” or Successful with parameters NYA” link in order to view the validation errors in a pop-up window.



Figure 31: Dataset validation error message

The user may click on the “Download Validation Results” button in order to download the validation results in a txt file.

2.4.3.3 Delete Dataset

In order to delete a dataset, the user should select the desired dataset and click on the “Delete” button (see Figure 25 or Figure 28). Only one dataset can be selected for the deletion process. The system will display a pop-up prompting the user to confirm the action.

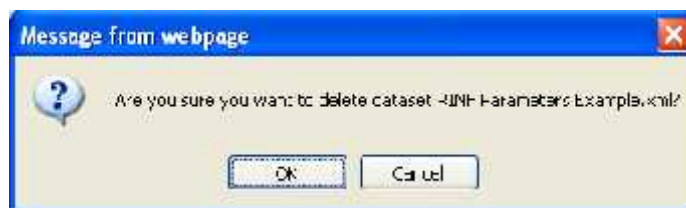


Figure 32: RINF dataset deletion, confirmation pop-up

Upon user confirmation the system deletes the selected dataset and an informative message is displayed at the top of the Data Management page as the following figure illustrates.



Figure 33: Successful deletion of RINF dataset

The “File Status” of the selected dataset must be “Available”, since only these files can be deleted.

2.4.3.4 Schedule Dataset for Import

In order to import a dataset, the user should select the desired dataset and click on the “Schedule for Import” button (see Figure 25 or Figure 28). The “File Status” and the “Validation Status” of the selected dataset should be “Available” and “Successful” or “Successful with parameters NYA” respectively. Otherwise, an error message will be displayed at the top of the Data Management page.



Figure 34: Error message when importing invalid dataset

Upon clicking on the “Schedule for Import” button, a pop-up is displayed prompting the user to confirm the action.



Figure 35: RINF dataset import, confirmation pop-up

Upon user confirmation, the import process is initiated and an informative message is displayed at the top of the Data Management page.



Figure 36: Scheduled for import success message

In addition, the “File Status” of the dataset is changed from “Available” to “Scheduled for Import”. It should be stated that the import process is asynchronous and it is scheduled to take place during off-peak hours due to the potentially large size of the XML files.

Until the import process is finished, the user is not able either to schedule another dataset for import or to upload a new dataset for the specific country (see Figure 37).



Figure 37: Error message when trying to upload a dataset while importing is scheduled

When the importing is completed, the “File Status” of the imported file will change from “Scheduled for Import” to “Imported”.

2.4.4 RINF Data Sets Management

By clicking the “RINF Data Sets Management” link the following page is displayed to the NRE User:



Figure 38: RINF Data Sets Management page

All the subsets of RINF data that have been created and sent by the IM from the same country are listed in the first grid. Additionally, in this grid are listed the datasets that have been uploaded by the NRE User.

Through the first grid, the NRE User can perform the following actions regarding the RINF datasets:

- Merge
- Upload
- Download
- Delete

Through the RINF Data Sets Management the NRE User is able to select and merge the desired datasets into a single dataset. The new dataset that is created after the merging process is listed in the second grid.

Through the second grid, the NRE User can perform the following actions:

- Download
- Delete
- Transfer to Data Management

In the following sections, the above actions are described in detail.

2.4.4.1 Merge RINF Datasets


The NRE User must select at least two datasets and clicks on the “Merge” button. The following pop-up window opens and the NRE User defines the “Name” of the merged dataset and clicks on the “Save” button.



Figure 39: Merge datasets

The pop-up window closes and an informative message regarding the successfully merged datasets is displayed at the top of the page.

RINF Data Sets Management User Manual
RINF 3.0.0.0

 The datasets RINF Keymaster Example.xml and RINFSTART.xml are merged successfully.

Dataset name	Last modified (Subversion / Upload) date
<input type="checkbox"/> RINF START without.xml	15/12/2014 11:59:04
<input type="checkbox"/> RINF START without.xml	20/12/2014 10:52:08
<input type="checkbox"/> RINF START without.xml	11/01/2015 10:00:08
<input type="checkbox"/> RINF Keymaster Example.xml	11/01/2015 10:11:04
<input type="checkbox"/> RINFSTART.xml	07/02/2015 17:58:40

[Merge](#) [Upload](#) [Download](#) [Delete](#)

Dataset name	Merge (Subversion) date
<input type="checkbox"/> test1.xml	15/12/2014 10:46:16
<input type="checkbox"/> Merged test1.xml	09/08/2015 10:13:47
<input type="checkbox"/> Merged test2.xml	11/08/2015 11:00:26
<input type="checkbox"/> Merged test3.xml	14/12/2014 10:08:20
<input type="checkbox"/> Merged test4.xml	09/08/2015 17:58:40

[Download](#) [Delete](#) [Transfer To Data Management](#)

Figure 40: Successfully merged RINF datasets

The newly created dataset contains the combined information of the multiple datasets and is listed in the second grid.

2.4.4.2 Upload Dataset

The NRE User can upload a new dataset by clicking the “Upload” button. The process is similar to the process described in section “2.4.3.1 Upload Dataset”.

Upon successful dataset uploading an informative message is displayed at the top of the RINF Data Sets Management page.

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RINF 3.0.0.0

 The dataset has been uploaded successfully.

Dataset name	Last modified (Subversion / Upload) date
<input type="checkbox"/> RINF START without.xml	15/12/2014 11:59:04
<input type="checkbox"/> RINF START without.xml	20/12/2014 10:52:08
<input type="checkbox"/> RINF Keymaster Example.xml	11/01/2015 10:00:08
<input type="checkbox"/> RINF Keymaster Example.xml	11/01/2015 10:11:04

[Merge](#) [Upload](#) [Download](#) [Delete](#)

Dataset name	Merge (Subversion) date
<input type="checkbox"/> test1.xml	15/12/2014 10:46:16
<input type="checkbox"/> Merged test1.xml	09/08/2015 10:13:47
<input type="checkbox"/> Merged test2.xml	11/08/2015 11:00:26
<input type="checkbox"/> Merged test3.xml	14/12/2014 10:08:20
<input type="checkbox"/> Merged test4.xml	09/08/2015 17:58:40

[Download](#) [Delete](#) [Transfer To Data Management](#)

Figure 41: Successful dataset uploading

2.4.4.3 Download Dataset

The NRE User selects the desired dataset from the respective list (either from grid 1 or grid 2) and clicks on the “Download” button of the respective grid. The RINF system prompts the NRE User to open or save the XML file.

Only one RINFdataset must be selected for the downloading process.

If the NRE User does not select a RINF dataset from the respective grid, then the RINF system displays an informative error message indicating that one RINF dataset must be selected for the downloading process.

2.4.4.4 Delete Dataset

The NRE User selects the desired dataset(s) from the respective list (either from grid 1 or grid 2) and clicks on the “Delete” button of the respective grid. A confirmation pop-up window opens that prompts the NRE User to confirm the deletion of the selected dataset.



Figure 42: Confirmation message for Dataset deletion

Upon confirmation the pop-up window closes. The RINF system deletes the selected dataset(s) and an informative message appears on the page, indicating that the deletion of the selected dataset(s) was successful.



Figure 43: Successful dataset deletion

The NRE User can select more than one datasets to delete.

If the NRE User does not select a RINF dataset from the respective list and clicks on the “Delete” button, then an informative error message is displayed indicating that a RINF dataset must be selected for this process.

2.4.4.5 Transfer to Data Management

The NRE User selects the desired RINF dataset(s) from the respective list of the second grid and clicks on the “Transfer To Data Management” button. A pop-up window is displayed and the RINF system prompts the NRE User to confirm the transfer. By confirming the action, the RINF system transfers the merged RINF dataset(s) to the list of datasets available at the “Data Management” page. An informative message is displayed at the top of the page indicating that the selected dataset has been transferred successfully to Data Management.



Figure 44: Successful dataset(s) transfer to Data Management

The transferred dataset is copied and not moved in the Data Management. Therefore it remains visible and available in the second grid.

If the NRE User does not select a RINF data set from the second grid and clicks on the “Transfer To Data Management” button, then an informative error message is displayed indicating that a RINF dataset must be selected for this process.

2.5 IM Users

The IM Users can perform the actions described in the following sections.

2.5.1 Search RINF Data

The process of searching for RINF data for IM Users is similar to the process that is described in section “2.3.1 Search RINF Data” for the case of the Standard Users.

2.5.2 Visual Representation

The process of viewing the RINF data on the map for IM Users is similar to the process that is described in section “2.3.2 Visual Representation” for the case of the Standard Users.

2.5.3 RINF Datasets Management

By clicking the “RINF Data Sets Management” link the following page is displayed to the IM User:



Figure 45: RINF Data Sets Management page

The RINF system displays a list with the datasets that have already been created by the currently logged in IM User and/or by other IM Users who belong in the same Organisation.

Through this page the IM User can perform the following actions regarding the RINF datasets:

- Create New
- Edit
- Delete
- Download
- Upload
- Send to NRE

In the following sections, the above actions are described in detail.

2.5.3.1 Create New

When the IM Users clicks on the “Create New” button, the RINF system opens the pop-up form displayed in the following figure.

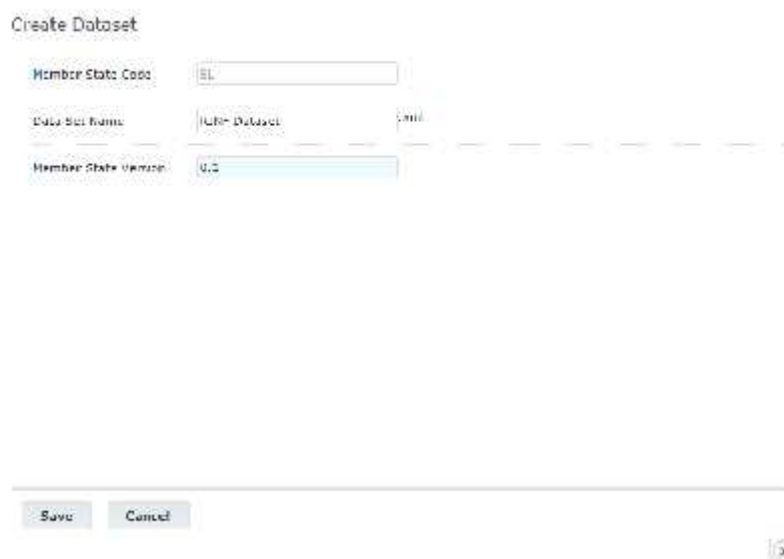


Figure 46: Create new dataset

The Member State Code is displayed in read-only mode and is the code of the respective IM User's Member State. The IM User provides the desired dataset name and the version in the respective fields and clicks on the "Save" button. The RINF system opens the "Edit RINF XML Data" page as depicted in the following figure.



Figure 47: Create new RINF XML Data

Three grids are available:

- Member State Information: The following information is displayed:
 - Member State Code (read-only, based on the Member State of the IM User)
 - Member State Version
- Selections of Line: At this stage the dropdown list is empty and the following actions are available:
 - Add
 - Edit
 - Delete
- Operational Points: At this stage the dropdown list is empty and the following actions are available:
 - Add
 - Edit
 - Delete

The following actions are available through this form:

- Save
- Cancel

The IM User clicks on the "Add" button next to the list of SoLs or OP and the RINF system opens a new page that contains the RINF parameters that are applicable either for the SoL or for the OP.

When the IM User clicks on the "Add" button in the SoLs grid, the following page opens:

Edit Section of Line
User Manual
FOR T2 ED

SECTION OF LINE

General Information

IM Code:

Length of section of line:

Location identification:

Number of sections of line: + Add -

Operations: Both in start of Section of Line:

Operations: Per End of Section of Line:

Velocity Base Start: +



Velocity Base End: -

Trucks

Select truck to view, edit or delete: + Add - Delete

Save Save as new Cancel

Figure 48: Create new SoL

For repeatable parameters and “Location Points” the possibility to add / remove a new parameter or Location Point is provided through the respective buttons   . The following figure depicts an example of the displayed page in case the IM User defines the parameters of a new SoL.

Edit Section of Line User Manual

SECTION OF LINE

Generic information

IN Code	9999
Length of section of line	1240
National line identification	
Nature of section of line	UNK <input type="button" value="▲"/>
Operational Point at start of Section of Line	
Operational Point at end of Section of Line	
Validity Date Start	00/00/00 <input type="button" value="■"/>
Validity Date End	00/00/00 <input type="button" value="■"/>

+ Track(s)

Select track to view, edit or delete:

+ Generic information

Identification of track	
Normal running direction	Select <input type="button" value="▲"/>
Validity Date Start	<input type="text"/> <input type="button" value="■"/>
Validity Date End	<input type="text"/> <input type="button" value="■"/>

+ Infrastructure subsystem

+ Specifications of verifications for track

IC classification of verifications for track [WF]	<input type="text"/>	Is Applicable	Select <input type="button" value="▲"/>
IC classification of verifications for track [WF]	<input type="text"/>	Is Applicable	Select <input type="button" value="▲"/>
[<] [>]			
IC acceptance of Administration for track [WF]	<input type="text"/>	Is Applicable	Select <input type="button" value="▲"/>
[<] [>]			

+ Performance parameters

- + Line layout
- + Track parameters
- + Ballast and crossings
- + Track resistance to applied loads
- + Health, safety and environment

+ Fiscal

Select Turner to view, edit or delete:

+ Energy subsystem

+ Specifications of verifications for track

+ Contact line system

+ Pantograph

Accepted IRL (insulated pantograph) heads	1200 mm (Type 12)	<input type="button" value="▲"/>	Is Applicable	Y <input type="button" value="▲"/>
+ Location Name				
Accepted IRL (insulated pantograph) heads	1200 mm (S4)	<input type="button" value="▲"/>	Is Applicable	UNK <input type="button" value="▲"/>
+ Location Name				
[<] [>]				
Accepted other pantograph heads	- Select -	<input type="button" value="▲"/>	Is Applicable	- Select - <input type="button" value="▲"/>
+ Location Name				
[<] [>]				
[<] [>]				
Requirements for number of ravel pantographs and spacing between them, at the given speed	<input type="text"/>	Is Applicable	Select <input type="button" value="▲"/>	
+ Location Name				
[<] [>]				
Vertical contact wire material	- Select -	<input type="button" value="▲"/>	Is Applicable	- Select - <input type="button" value="▲"/>
+ Location Name				
[<] [>]				

+ IBC separation routes

+ Requirements for refilling track

+ Control command and signalling subsystem

Figure 49: SoL parameters definition

The IM User fills in the desired parameters and clicks on the “Save” option. The RINF system creates temporarily the new SoL item and the IM User is redirected to the “Edit RINF XML Data” page. At the top of the page is displayed an informative message. The IM User must click on the “Save” button in order to persist the SoL creation.

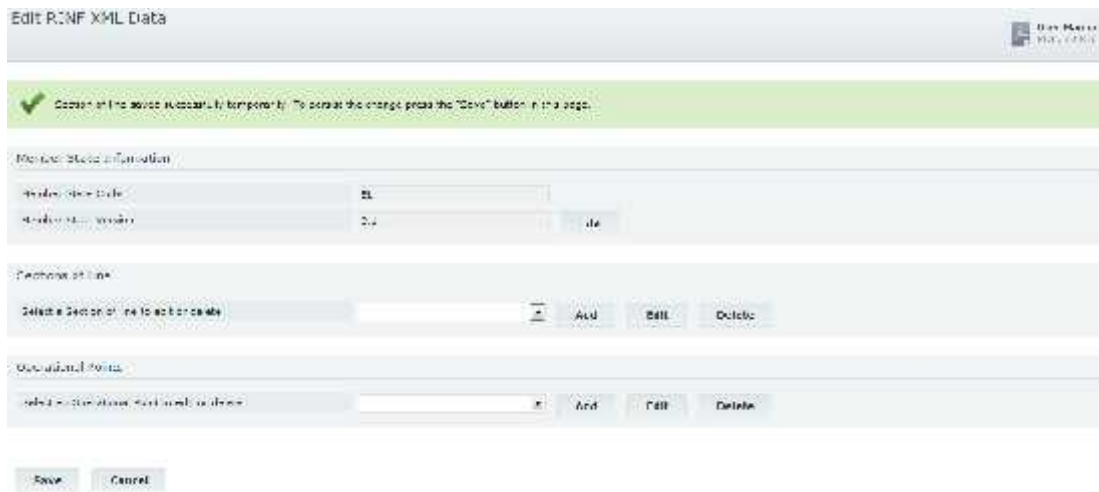


Figure 50: Temporarily saved dataset for newly created SoL

By clicking on the “Save” button the RINF system permanently saves the dataset for the SoL definition and the IM User is redirected to the “RINF Data Sets Management” page. An informative message is displayed at the top of the page that indicates the successful dataset storage.



Figure 51: Dataset has been saved permanently

The following figure depicts an example of the displayed page in case the IM User defines the parameters of a new OP.

Edit Operational Point

OPERATIONAL POINT

Generic Information

Name of Operational Point:

Unique OP ID:

Validity Date Start:

Validity Date End:

Type of Operational Point:

OP TAP/TAP primary code: In Applicable:

Geographical location of Operational Point:

Longitude:

Latitude:

Railway location of Operational Point:

Kilometer:

National Identification:

TRACK

Select track to view, edit or delete:

Generic information

Declarations of verification for track

Performance parameters

Line layout

Track parameters

Tunnel

Platform

SIDING

Select siding to view, edit or delete:

Figure 52:OP parameters definition

The process for creating a new OP is similar to the above described SoL creation process.

2.5.3.2 Edit

The IM User selects the desired RINF dataset from the displayed list and clicks on the “Edit” button. The following page is displayed.

Edit RINF XML Data

Member State Information 1

Member State Code:

Member State Name:

Sections of Line 2

Section's Section of the location of vehicle:

Operational Point 3

Point code to be associated to the location:

Figure 53: Edit RINF XML dataset

The page is similar to the displayed page in case of dataset creation. Therefore, three grids are available:

- Member State Information: The following information is displayed:
 - Member State Code (read-only, based on the Member State of the IM User)
 - Member State Version: The “Edit” action is available for the Member State Version.
- Selections of Line: The following actions are available:
 - Add
 - Edit
 - Delete
- Operational Points: The following actions are available:
 - Add
 - Edit
 - Delete

The following actions are available through this form:

- Save
- Cancel

The IM User selects an item either from the SoLs list or from the OPs list and clicks on the respective “Edit” button. The RINF system displays a new page displaying the applicable RINF parameters and their values according to the IM User’s selection. Moreover, the following actions are available:

- Save
- Save as new
- Cancel

When the IM User clicks on the “Edit” button in the SoLs grid, the following page opens:

Edit Section of Line
User Manual PDF 70 130

SECTION OF LINE

Generic information

IM Code	0000	
Length of section of line	1348	
National line identification	RLLine0000	
Reste of section of line	100	<input type="button" value="Add"/>
Operational Point at start of Section of Line	OP01	
Operational Point at end of Section of Line	OP02	
Validity Date Start	01/01/2010	<input type="button" value="Add"/>
Validity Date End	01/01/2010	<input type="button" value="Add"/>

Tracks

Select track to view, edit or delete.

Generic information

Infrastructure subsystem

Declarations of verification for track

Performance parameters

Line layout

Interspersible gauge	- Select - <input type="button" value="Add"/>	Is Applicable - Select - <input type="button" value="Add"/>
Location Points		
<input type="button" value="Add"/>		
Multinational gauge	- Select - <input type="button" value="Add"/>	Is Applicable - Select - <input type="button" value="Add"/>
Location Points		
<input type="button" value="Add"/>		
National gauge	- Select - <input type="button" value="Add"/>	Is Applicable - Select - <input type="button" value="Add"/>
Location Points		
<input type="button" value="Add"/>		
Standard combined transport profile number for steep border	- Select - <input type="button" value="Add"/>	Is Applicable - Select - <input type="button" value="Add"/>
Location Points		
<input type="button" value="Add"/>		
Standard combined transport profile number for zero-borders	- Select - <input type="button" value="Add"/>	Is Applicable - Select - <input type="button" value="Add"/>
Location Points		
<input type="button" value="Add"/>		
Gradient profile	<input type="text"/>	Is Applicable - Select - <input type="button" value="Add"/>
Location Points		
<input type="button" value="Add"/>		
Minimum radius of horizontal curve	<input type="text"/>	Is Applicable - Select - <input type="button" value="Add"/>
Location Points		
<input type="button" value="Add"/>		

Track parameters

Switches and crossings

Track resistance to applied loads

Health, safety and environment

Tunnel

Energy subsystem

Control-command and signaling subsystem

Figure 54: Edit Sol

For repeatable parameters and “Location Points” the possibility to add / remove a new parameter or Location Point is provided through the respective buttons .

The IM User updates the desired parameters and clicks on the “Save” option.

The RINF system updates temporarily the SoL item and the IM User is redirected to the “Edit RINF XML Data” page. At the top of the page is displayed an informative message and the updated list of SoLs is depicted. At this stage, the IM User may temporarily update more SoLs.



Figure 55: Temporarily saved updated dataset for SoL

The IM User must click on the “Save” button in order to persist the SoL change. By clicking on the “Save” button the RINF system permanently saves the updates and redirects the IM User to the “RINF Data Sets Management” page. An informative message is displayed at the top of the page that indicates the successful dataset storage.



Figure 56: Updated dataset has been saved permanently

The following figure depicts an example of the displayed page in case the IM User edits the parameters of an OP.

Edit Operational Point User Manual PDF TO GO

OPERATIONAL POINT

Generic information

Name of Operational Point	DP02		
Unique OP ID	638817		
Validity Date Start	01/03/2010		
Validity Date End	01/03/2018		
Type of Operational Point	station		
OP TAF/TAP primary code	XXXX012	Is Applicable	Y

Geographical location of Operational Point

Longitude	0
Latitude	0

Railway location of Operational Point

Kilometer	0
National Identification	

▼ RUNNING TRACE

Select track to view, edit or delete

New Track	Add	Delete
-----------	-----	--------

▼ Generic information

SN's Code	
Identification of track	
Validity Date Start	
Validity Date End	

> Declarations of verification for track
 > Performance parameters
 > Line layout
 > Track parameters
 > Tunnel
 > Platform
 > SIDING

Save Save as new Cancel

Figure 57: Edit OP

The process for editing an existing OP is similar to the above described SoL editing process.

If the IM User does not select a RINF dataset from the respective list and clicks on the “Edit” option, then an informative error message is displayed indicating that one RINF data set must be selected for this operation.

2.5.3.3 Delete

The IM User selects the desired RINF dataset from the displayed list and clicks on the “Delete” button. A confirmation pop-up window opens (same as in Figure 42) that prompts the IM User to confirm the deletion of the selected dataset. Upon confirmation the pop-up window closes.

The RINF system deletes the selected dataset and an informative message appears on the page, indicating that the deletion of the selected dataset was successful.

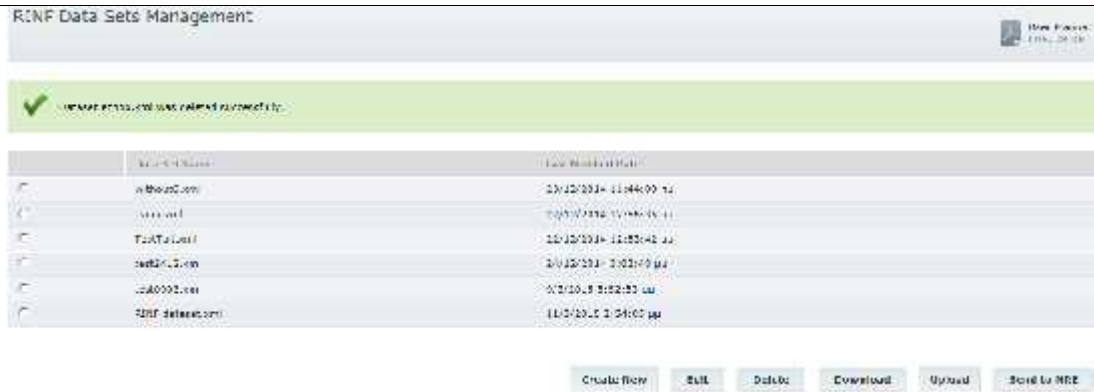


Figure 58: Dataset deletion

Only one dataset can be selected for the deletion process.

If the IM User does not select a RINF dataset and clicks on the “Delete” button, then an informative error message is displayed indicating that a RINF dataset must be selected for this process.

2.5.3.4 Download

The IM User selects the desired dataset from the displayed list and clicks on the “Download” button. The RINF system prompts the IM User to open or save the XML file.

Only one RINFdataset can be selected for the downloading process.

If the IM User does not select a RINF dataset from the respective grid, then the RINF system displays an informative error message indicating that one RINF dataset must be selected for the downloading process.

2.5.3.5 Upload

The IM User can upload a new dataset by clicking the “Upload” button. The process is similar to the process described in section “2.4.3.1 Upload Dataset”.

Upon successful dataset uploading an informative message is displayed at the top of the RINF Data Sets Management page.



Figure 59: Successful dataset uploading

2.5.3.6 Send to NRE

The IM User selects the desired RINF dataset and clicks on the “Send to NRE” button.

A confirmation pop-up window opens, prompting the IM User to confirm the sending of the RINF data set.



Figure 60: Confirmation for sending data set to NRE

The IM User clicks on the “OK” option and pop-up window closes. The RINF system submits the RINF Data set to the NRE and an information message appears on the page, indicating that the RINF data has been sent successfully to NRE.

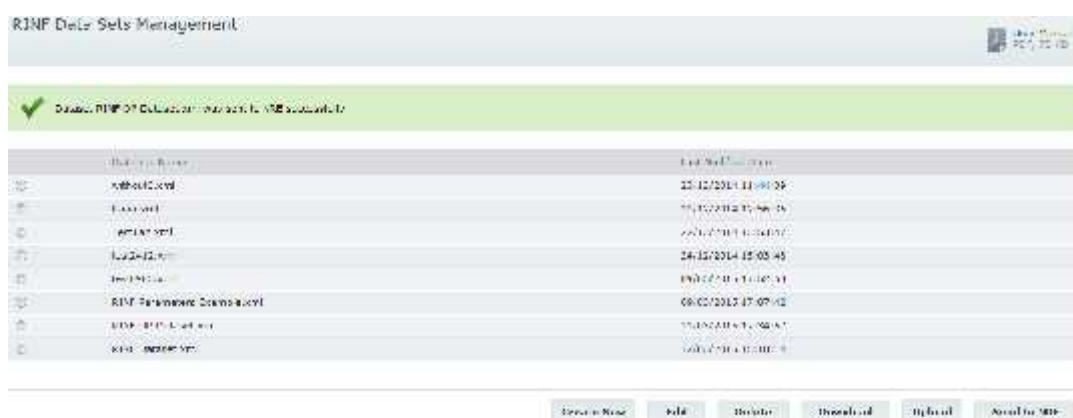


Figure 61: Dataset successfully sent to NRE

In case another dataset with the same filename from the same IM Organisation has already been sent to the NRE, then the new dataset will overwrite the already existing dataset.

When a dataset has been sent to NRE, its name will be prefixed by the folder name of the respective IM Organisation in order to ensure unique filenames in the NRE folder.

Furthermore, the XML file is copied and not moved to the NRE folder. Therefore, the XML file remains visible and available in the “RINF Data Sets Management” page.

If the IM User does not select a RINF dataset from the respective list and clicks on the “Send to NRE” option, then the RINF system displays an informative error message indicating that one RINF dataset must be selected for this operation.

3 Troubleshooting

Not applicable.



4 References

- Commission Decision 2014/880/EC (http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2014.356.01.0489.01.ENG)