

2025

CUSTOMER INFORMATION PLATFORM

USER HANDBOOK FOR INTERNAL USERS

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1 Introduction

This document is intended to describe the use of the CIP as a functional part of the Railway Information System (RIS). All CIP-specific functions are detailed. All additional functions, such as



user and role management or the management functions for the base topology, are described in the RIS manual.

2 System Access

CIP is accessible to the public without registration through the following URLs

- Staging (for test purposes): https://cip-stage.rne.eu
- Production: https://cip-online.rne.eu and https://cip.rne.eu

Management of the information displayed in CIP is done in the RIS application by Corridor administrators and IM experts. The respective URLs for the different environments are:

- Staging (for test purposes): https://ris-stage.rne.eu/
- Production: https://ris-online.rne.eu/

3 Login / Logout and Change Password

3.1 Precursor

RIS implements a Single Sign-On approach were access to all RNE applications are manage using RNE Active Directory. This approach takes away the authentication of the user from the RIS, simplifying the credentials management and removing te need of having one set of credentials per application. The authentication (what the user can do in the application) remains at RIS level.

The process to request a new account in RIS should start by filling the following <u>registration</u> form. If the user is requesting management access to CIP data, the CIP section should be selected. Once received the request by the RIS Help Desk, the email account will be invited to RNE Active Directory, and the user created in RIS system with the requested rights.



3.2 Login

The login therefore will take place using the user company email and password. Normally, if the user is automatically logged in by means of his work account, he/she will be logged in on his device. In case this user deviates from the account set up in RNE's active directory (AD) the user will be directed to the AD login screen where can either use a proposed account or in case it is not listed, chose other account.



3.3 Logout

In RIS-CIP 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)

3.4 Change Password

If the user forgets his password, the user's company IT department should be contacted. With the implementation of Single Sign-On approach, passwords are no longer stored or manage by RNE.

4 **CIP Roles Description**

4.1 Overview of Roles

RIS allows roles to be freely defined and assigned to users. Each role is based on assigned permissions. The bellow image shows the different permissions relate to CIP that are included in the roles management and can be assigned to specific roles. It corresponds to the Corridor Information section menu, so roles can be created with different purposes. Also, a user can have more than one role.





CIP				
Privileges	VIEW	EDIT	EXPORT	
Node				
Terminal				
Documents				
Projects				
Information Documents				
Text Modules				
Re-routing Lines				
ETCS Status				

4.2 RFC/Country Restrictions per User

In the user settings, the corridors and countries that the users have active restrict the roles that might have assigned. This way, if a user has an assignment to a specific RFC, then all the permissions are related to that corridor. The same approach is used to restrict permissions based on the countries assigned to the user.

Available Layers			Associated Layers	
Search			Search	
CIS - CIS			RFC 1 - CIP	
RFC 0 - CIP			RFC 5 - CIP	
RFC 10 - CIP		>>		
RFC 11 - CIP				
RFC 2 - CIP				
RFC 3 - CIP				
RFC 4 - CIP		11		
RFC 6 - CIP	-			



4.3 Specific Roles for CIP

The following roles have been created to manage corridor information in RIS:

Corridor User. A User assigned with this role can access and manage the Information Documents,

Documents, Text Modules, Projects and ETCS Status belonging to the RFCs that has assigned in his user profile.

Corridor Re-Routing: A User assigned with this role can access and manage the ICM Re-routing options and also has a read-only access to the records related to the Map Administration and Line Properties.

Corridor Admin: A User with this role can create new nodes and terminals and manage the Information Documents, Documents, Text Modules, Projects and ETCS Status belonging to the RFCs that has assigned in his user profile. This user has also a read-only access to the records related to the ICM Re-routing options.

Section Admin: A User with this role can create sections in the topology for the RFCs and countries that has assigned in his user profile. Can also view and export the rest of the topology (locations, tracks and segments)

5 Language

The application shows at the top right a language symbol. Currently, the application provides English as system language. Further languages may be provided in future.

6 **RIS-CIP** navigation logic



The RIS-CIP application is structured, clear and menu-driven. Which functions are visible via the respective menu items depends on the permissions as CIP user. For the sake of simplicity, the screenshots resulting from the assignment of all CIP-related rights are shown below.

The menu is structured in the following functional groups:

- Topology: Contains all functionalities that are provided to access the base topology, predominantly presented in the map and to manage the rail-freight corridors within the map.
- Corridors Information: contains all specific functionalities of rail-freight corridors that are not topology related.

7 Notification panel

Notification panel is displayed whenever an action is performed in RIS. Of the action is successful, the notification panel is green, if the input in the user interface is not sufficient to carry out the action correctly the notification panel is orange; if the action is not successful or any error occurs during its execution, the notification panel is red.

e.g.

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					Presence of an or polar repulse



8 Topology

This is the presentation part of the base topology and the corridors in map form. The base topology forms the basis of the corridors, is a prerequisite for managing sections of the corridors and can therefore be displayed on the map or in tabular form.

A general overview of the topological logic, the dependencies of entities to each other (macroand mesoscopic layer) and also the impact of introduction of tracks and also time dimensions to entities (by means of validity periods) is summarised in the document "Topological Model and Data Model RIS – Validity Periods".

8.1 Interactive Map

An important representation in RIS is the interactive map. This shows the topological model in various forms, which can be set using the selection on the left-hand side.



The interactive map is structured as follows:

- Central part: shows the map (derivative of open street map as background) with the topological entities selected, respectively.
- Display options: Shows different display options or possibilities to show or hide different entities.



- Search: searches for names of entities in the topological network
- Date: shows the date on which the network is to be displayed. E.g. a date in the past shows the network as it existed in the past; a date in the future, showing the network as it is currently stored in the system for the future. This allows for future-planned entities to be displayed as well.
- Map Tools Centrally at the top in the middle:
 - +/-: Zoom in / out in the map
- Properties: shows properties of a selected entity

8.1.1 Showing the Base Topology

The user can select the network that should be presented on the map. Base Topology (selected in the section Layers of "Display options") shows the network of segments connected to each other and respective. The base topology is the underlying network for all layers and therefore the same for all layers.





8.1.2 Showing the Rail freight Corridors

However, if you select the CIP layer, you can select one or more Rail Freight Corridors for presentation on the map.





8.1.3 Showing European Train Corridors (ETCs)

A new group of corridors can be selected in the interactive Map menue (chose **RFC new align-ment**).



8.1.4 General map functionalities

8.1.4.1 Zoom, Zoom level, and coordinates

By means of the 2 central icons $\textcircled{\textcircled{}}$ and , the map can be zoomed in and out. The same can be achieved using the mouse-wheel.

The current map scale can be read off the km scale, which is permanently displayed on the map

in the lower left corner. For example low zoom level:

500 m

In the lower right corner the user sees steadily the actual longitudinal and lateral coordinates of

the mouse arrow: 46.657274, 11.242971



8.1.4.2 Auto-selection on hover

If you move the mouse over an object on the map, it is automatically selected and highlighted. At the same time, the name of the object appears as a tooltip.

Here are 2 different examples:

1. auto-selection of a section



2. auto-selection of a location



8.1.4.3 Grouping

Dependent on the zoom level, locations are too narrow are grouped in one icon showing the number of elements grouped together:





8.1.4.4 Search for objects

The application can search for the names of objects. A case-insensitive search is performed for the word part of the search string. Depending on whether base topology or rail-freight corridors are shown the search result will show the user different found objects (locations and segments for base topology, locations, and sections for rail-freight corridors). In the following the function-alities are described with regards to the presentation of rail-freight corridors.

There are 2 types of searches:

1. global search by means of icon Q: regardless of the map section, all locations and all sections assigned to the selected corridors are searched for:



- 2. Local search by means of activation of icon : all locations and all sections assigned to the selected corridors are searched for the actual map section.
- In this case the result must be empty as Vienna is outside the map section.
- Note: if you searched locally and you want to go back to global search you have to deactivate the icon





As mentioned above, the search result depends on the selected corridors. If you search for Vienna globally, but no corridor is selected that runs through Vienna, there will also be no search result.

Note: the search results panel can be moved to any other position with the mouse so that the map section behind it becomes visible. This is done by dragging the mouse pointer to the upper area of the search panel.

8.1.4.5 Jump to object

It is possible to jump directly from the search result to the object, whereby the map display is zoomed accordingly.

If you jump from the above example to the location "Terminal Wien Freudenau Hafen", for example, the application shows the following map section:





The map is centred to the selected location, zoomed in, the location is highlighted in the search result and is highlighted in the map, and the properties panel is opened showing the properties of the location.

Another example is if you select a section of the search result. In this example the Section from Ebenfurth to Wiener Neustadt Hbf is selected and the application shows the following:





Also, here the section of the search result is highlighted in the result set, the map is centred to the section and zoomed in. The section is highlighted in the map and the properties panel shows the properties of the selected section.

8.1.4.6 Selection of objects and its properties

All objects in the map shown can also be selected directly with the mouse. The application then behaves in the same way as when selecting via the search result: the selected object is high-lighted, and the properties are displayed on the right.

Selection of a section:



The edit Icon leads directly to the detail data dialogue of the section (see below). Another example is the selection of a location in the map:





The object type and a corresponding identification of the object are always shown in bold.

The following cases are possible:

- Location that is a Primary Location: The type is Node, the identifier is the primary location code.
- Location that is not a Primary Location: The type is Node, no identifier is shown in this case
- Terminal: The type is Terminal, no identifier is shown in this case
- Section: The type is Section, no identifier is shown in this case

Above the shown properties the user can select between entities adjacent to that selected.





Here, the selected location and its connected section are shown and can be selected. Changing the selected entity will update the displayed properties, accordingly.

8.1.5 Display functions and options for the corridors

8.1.5.1 Redirection to corridor pages

Via the corridor selection, which is displayed in the left panel, you can jump directly to the website of the respective corridor. This is done by clicking on the corridor icon to the right of the respective check box:





8.1.5.2 Selection of corridors

In the upper part of the left panel, the corridors can be selected, respectively. The selected corridors are shown in the map in different colours where the standard view displays the corridors in specific colours:



Corridors that share sections are displayed in parallel according to their colour so that the complete route of each corridor can be seen.



8.1.5.3 Corridor details

The selection for Filters is located below the corridor selection. If it is not already visible, simply click on the title "Filters" and the selection will be expanded



The user can select whether, in addition to the corridor route, the locations (nodes) that are assigned to the corridor or terminals that are assigned to the corridor should also be displayed on the map. In the example below, these are not selected, so the corridors are shown as routes without nodes





You can also filter for a country or a specific company. If the above example is restricted to Belgium, the user sees the following





8.1.5.4 Corridor visualisation for different line properties

Below the selection of corridors, you can choose between different display formats for the corridors.

By default, "Rail Freight Corridor" is selected, which means that each selected corridor is displayed on the map in its specific corridor colour.

However, there are also other options for selecting specific corridor parameters that should be reflected in the display on the map.

The next after the standard selection is Infrastructure Manager. This selection means that the sections of all selected corridors are displayed on the map in different colours, depending on which Infrastructure Manager is responsible for them.

Colours correspond to corridors:

Colours correspond to responsible IM:







Below the selection of how corridors shall be displayed on the map you can also see different legends. On the left, the legend shows the corresponding corridor designation for each colour. On the right, the legend for each colour shows the corresponding responsible IM.

Note that the legend changes dynamically depending on what is visible on the map. For example, if I show a much smaller area of the map in the example above right, the responsible IMs shown are reduced according to those that can be found on the map section:



The following different forms of presentation can be selected:

- Rail Freight Corridor: Default view
- Infrastructure Manager
- RFC Line Category



- Line Category (Load Model)
- Traction Power
- Signalling Groups
- Intermodal Freight Code
- Gauging
- Gradient Dir. 1
- Gradient Dir. 2
- Maximum Train Length
- Number of Tracks
- Maximum Speed
- Usage
- Track Gauge
- ETCS Build Status
- ETCS Deployment Type
- ETCS System Version
- ETCS Operational Level

If Traction Power is selected as an example, the sections of the selected corridors are displayed in different colours according to their electrification:





8.1.5.5 Ten-T Core and Ten-T Comprehensive Network

In addition to the corridors, the Ten-T Core and the Ten-T Comprehensive network can also be displayed. Please note that functionalities intended for corridors (e.g. routing, display of properties, etc.) cannot be applied to the Ten-T network. The next 2 screenshots show these networks and below them the corresponding legend for the network.

Ten-T Core:



Ten-T Comprehensive:

8.1.5.6 Display Corridor Projects

3 different types of projects are managed in the system: Infrastructure, ETCS and Radio System.

The projects can relate to sections of corridors but also to locations themselves.

If you select the display of one of the project types, the corridor sections affected by a project are highlighted in a different colour:

Infrastructure projects along Corridor 9&11:

ETCS Projects along Corridor 9&11:





8.1.5.7 Date

The date field is set default to today and defines the date for which the network shall be shown on the map. As described in the document "Topological Model and Data Model RIS – Validity Periods" all entities have a validity period in which the current data of the entity are valid. Outside a given validity period the entity might exist with different set of data or even does not exist. E.g. today a station might not exist but maybe by 1st January 2025. Thus, this entity is not found if the date is set to 2024, but it is found if the date is set to a date in 2025. By means of this field the user can do a time travel through the topology in the past and also in the future.

Example: the primary location "Kledering" is existing in the system as valid from 1.1.2013. Before, this location is not existing in the system. Left, date is set to 1st Jan 2009. Only Kledering as service facility is available in the system, but not as primary location. Later, today, Kledering is already created as primary location and connected to other primary locations with segments.





8.1.6 Map Tools for Corridors

The user can manipulate corridors' sections by means of these tools. The changes to the sections are made for the selected corridors and are applied to all other corridors which share the same section as the selected one. The functions are:

<u>Create Section</u>: if a user selects this tool the map switches to the display of segments. The user can select adjacent segments that the user wants to group into a new section that shall be part of the selected corridors (note: if you select e.g. corridor 9 and 10 and you create a new section on the map this section will automatically assigned to corridor 9 and 10):





The red circle represents the starting point of the section and the green circle the current end point. The section can be extended by adding a further section next to the green circle. The validity period of the segment is defined as the latest start date of all segments in the section and earliest end date of the segment in the section.

<u>Edit Section:</u> a user can select a section and add or deselect a group of adjacent segments of the section. By means of this tool a section can be shortened or extended to either side.

<u>Combine Section:</u> a user can select 2 adjacent sections and can perform this function. The end date of the 2 sections will be set to yesterday and one new section combining the 2 selected sections will be created with current start date.

<u>Split Section</u>: a user can select a section, define a location the section comprises and split the section into 2 new ones. The original section's end date is set to yesterday and the start date of the 2 new created sections is set to current date.

8.1.7 Route Planning

RIS-CIP has a high-performance route planning function along the corridors. You can simply set a start and end point on the map with the mouse and have the route calculated.

The coordinates of the set start and end points are displayed in the dialog panel opened with activating route planning functionality. The start and end points do not have to be exactly on one of the selected corridors. The application automatically searches for the nearest location on a corridor and uses this for the route calculation.



In addition to searching for the shortest route between a start and end point without restrictions, the search can also be restricted with two constraints:

- Axle load (selection by classes in tons)
- Meter load (selection by ton categories)

Example:

In the below picture a route between Hunedoara and Porta Alba was calculated without restrictions.

The result is a route as highlighted in light green on the map. The calculated route is green throughout, which means that the route is possible.



Once the route has been calculated and displayed on the map, you have the option of calculating a new route, cancelling the calculation, or viewing the details under "Results". If you select Results, you get a detailed summary of the route calculation:



Interactive Mos. Mos Mo	economi Tominala	Route Planeiro Re	ette																	
ROUTE DE TAL																				
Route Home Stream Frag-Schoraby Agigue Need-Agigue Bide	4		Country None of				IM Versene Reputei é	e tiis Fanala Monaima		Conti Notifi Notifi	der Member			Line Colegory ev en			Te (5	active Power sorroom		
Signaling Class A spectropics Class A species			Signal In Atta As	ng Clane B			Internodal I reigi NG 4575	ht Code		Cang no.	ina			Gradient Dir 1 16, 20 6, 18 8, 18			9	adlent Uir 2 29 49		
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The route parameters and the summary of the properties of the individual lines that make up the entire route are summarized in detail in the header. The lower part lists all sections and their details from which the calculated route is formed.

The next example shows the same route calculation, but now with restrictions for axle and meter load. In this case the route is also calculated, the proposed route is different though. Furthermore, parts of the route are shown in yellow. These are lines of the route not sufficiently designed to be compliant with requested axle or meter load.





The following table shows the rules for the routing restrictions regarding axle (#x1) and meter load (#x2) in tons.

LINE CATEGORY	EXPRESSION
А	#x1 <= 16 and #x2 <= 5
B1	#x1 <= 18 and #x2 <= 5
B2	#x1 <= 18 and #x2 <= 6.4
C2	#x1 <= 20 and #x2 <= 6.4
C3	#x1 <= 20 and #x2 <= 7.2
C3L	#x1 <= 20 and #x2 <= 7.2
C4	#x1 <= 20 and #x2 <= 8
C4/CE	#x1 <= 20 and #x2 <= 8
CM2	#x1 <= 21 and #x2 <= 6.4
СМЗ	#x1 <= 21 and #x2 <= 7.2
CM4	#x1 <= 21 and #x2 <= 8
D2	#x1 <= 22.5 and #x2 <= 6.4
D3	#x1 <= 22.5 and #x2 <= 7.2
D4	#x1 <= 22.5 and #x2 <= 8
D4L	#x1 <= 22.5 and #x2 <= 8
E4	#x1 <= 25 and #x2 <= 8
E5	#x1 <= 25 and #x2 <= 8.8
national category	false

A route of a certain category can be used (green highlighted) if the selected ton load corresponds to or exceeds the tons specified in the "Expression" column. If the field remains empty, there is no restriction on the parameter. National Category: If a restriction parameter is chosen, the line of category "national category" is never compatible to the route request.



8.1.8 ICM-Lines and Re-Routing Options

If you select ICM lines, the ICM lines on the selected corridors are highlighted in colour on the map. These corridor sections are managed in Re-Routing Options in the Menu Corridor Information.



If an ICM line is selected, it is displayed with a coloured border and the associated re-routing options are displayed in other colours (in this example 3)





While hovering over a re-routing line, the application provides the user with hint on eventual differences in the relevant section properties to the ICM Line to which it is assigned.





The possible icons to show those differences are:



If you select a routing option with the mouse, its properties are displayed on the right-hand side under Properties.





The spreadsheet icon takes you to the detailed data of the re-routing option. These show the individual section properties that the re-routing option contains in tabular form

Mender May - May	anderby: Barbayer Tools Bootstynergen																					
NE-ROUTING LINE	e noume Lee report (by)																					
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Kinaden er gilfeld a. Kend	Commy-DE	05 k k 420 k C - 08 k	000 O	Principal Unit	04	40 (989-0079)	725.09	20120413	62	8-10	6-10	9439	Double-Inact	708-748750m	<0.045	Programs A		upon request	com reased	som reased	apon request	constance)
Koli - Approximite Ruha	Sensary-DC	194 (e. la 201 (e. l.) 0800	RECT, REC.9	Principal Line	04	AC 108940218	923 98	RC COH13	000	-6	- 25	98	Loab e-track	708 - 748/708 m	112100	Provinger &		Geed (58 - 75 %)	Losn request	sper request	740 m	upon request
this bindowy	Harse H	1923 Minard Bol	Necs.	Perspetting	ы	ACCESSION SCHOOL	1074	apon majanti	0.4	upon request	upon miganti	16.00	Doathe fract.	AND MERSON	a trave	Fastenger b Freicht		spontagant	span request	span request	upon maganet	upon enquest.
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Stresteurp-Vile - Kreater a planater (Nation, P1	SICE Character 200	RTC2,RTC4.	Principal Line	ni -	20.0400.006	KU8	NC 84244	691	A. 10	A. 10	12.98	Collision	201.210792-0	101 - 120 Jush	Kassenger 5 Proleht		approximation of	spectrum and	again respond	aproximation and	-
A solar proTitopo 2016 V200	HARR IN	and release the	RC2,RC4	Mecpature	ы	ACCESSIVE SORE	NUM.	WC51015	sut.	u 10	a 16	14.6	DOUDIN TROS	All Planes	101 120 040	Reserver a Proteint		upon request	upon request	sport request	иров песуних	upon request
Name and the state of the state	France - FR	SHCF Resear- HCD	nrc2, nrc4	Principal Line	04	AC 208V-0018	DAL IND	PIC 55/565	031	0-10	6-10	9428	Double-track	708-748750m	181 - 120 teek	Paramagne A Ensigns		upon request	Lown request	spen regarded	upon request	voer request
States - Kommonitori	n france-Mi	SHOP Process - HO	ninca, ninc 4	Principal Line	04	AC 258945081	SHL KYD	upon recurst	68	0-10	6-10	1428	Double-Inset	709-748750m	181 - 120 kmb	Protection & Endight		upon request	Lown reasest	spen result of	apon required	very reavest
Housberger-Triage- Isaaberger-Triage- Soelic V256	france - FR	SHOT Release - HO	REC2, REC4	Principal Line	DH	AC 208V COLD	DAL KID	WC 50405	921	9-10	9-10	9425	Loabe-track	708-748708m	181 - 120 kwe	Reserver 5 Progra		upon request	Losn request	spor regard	upon request	kpen requeet
serverst bit Rideo	France - Mit	SHOP Observe - HOS	nrc2, nrc4	Principal Unit	04	40.05894508x	KV8	NC 65538	C81	6-10	8-10	9438	Deable-Inset	709 - 748/750 m	181 - 120 task	Passenger & Freight		upon request	som reased	som roastal	apos recurst	Connections.
Rively, Secolarit. 27	Pressor-P3	SACE Disease - 805	1902,0004	Principal Unit	D4	2010/06/06/06	84,858	NC 89308	C81	8-10	8-10	12.98	Controlment	208-218792-0	101 - 120 Initi	Personages & Longes		open recent	town respecti	again respect	apon request	concerned.
Approved Red.	Germany - DC	0600	REC LARCE	Principal Line	04	AC 108V-10718	P23 99	PIC 60410	62	G-10	6 - 10	9425	Three en more	709-748750 m	< 121 km/h	Energies A		Geed (58 - 75 %)	Loen request	spor require	740 m	voen request
Appenvielen Hore	Convery-DC	05189500 AC - 0600	INC LUNCS	Principal Line	04	AC 1089-102716	723 19	NC 60413	065	6-10	6 - 10	9425	Doable-frack	709-748750m	<121 km	Freedoment & Eneight		upon request	Lown results	scen receipt	apon request	Cost regulation
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Radard Radard 203 Kontendro Hell	Sensory-BC	08.0	RELEASES	Prespailune	DH	AC 128/46218	923 98	90.00413	000	-4	-45	1425	Loabe-mack	708-748726m	112100	Longes		upon request	LOUIN HOULENE	spor request	upon request	upon request
Contemplier Drammenatick	Mennely De	0600	HECT, HECK	Perspettine	ы	ACTIVE NOR	Most Ma	ACCORTS	027	-18	~ 6	16.0	Double frank	AND PERMIT	a think of	Freight		approximation of	span request	ajon report	alon under g	carries and
Contentine Contentine	Density 14	05 k 8500, AC - 0843	HECT, HECK	Parajal Los	LH	ACTIVE HOLE	PO DE	ACCORD	1865	4.10	8.10	16.0	Double Frank	span in prod	8.000	Pesseneer 6 Pringht		open reparts	space required	span respect	open respect	controposit.
Commentation - Abov Businette	Germany-DC	00 in 8:000 AO - 08:00	ALC L'ALC 9	Principal Line	D4	AC 108/46708	P23 99	PIC 60413	000	16 - 20	(6-20	9425	Coable-track	spor request	+121 km	Reserver & Envigns		upon meyers	Lown request	soon request	upon mouest	vaen request
Assw Stateside - Replet	because in	00 M1000 /45 - 0650	HC1, HCV	Perspective	ы	ACTIVE NAME	ACC NO.	RECORD	000	-15	-05	16.0	DOUDIN TROK	span request	10.00	Fassenger & Freicht		upon request	span request	span request	upon miqueto	open request
Graben-Heudorf - Kontanahie Heisenfeld	Densery - DP	00 infestion AG - 0650	1001,0000	Propelline	14	40.000.0036	775 M	NCR0418	1995.			10.00	Tradition and	208.218798-1	a triber	Fassenger 5 Proteit		-	special products	apart report		operation of the
Ruburd Legen Kockenheim	Densery - DP	0600	HECT, HECE	Parquities	DH .	AC DRV DOM:	1778.00	NUMBER	TRN .	58	58	16.00	Destination	span report	81-100-0	Passenger A Freight			speciespent	apart respect	apart and a second	concepted.
Philopoburg Notory	Convery-DE	0600	INCLUSION	Mechal Unit	D4	AC 158446.745	723-09	PC 80413	085	18-20	(8-20	1458	Double-Inack	sper-reacted	~121 km/h	Freight &		Upon requirat	com reased	lower reason	apon request	Connication (
- Andrewski - A	Ceremony - DE		INC L, DECO	Principal Unit	04	40 19040096	P25.08	NC 20413	085	18-20	18-20	49	Deable-Inset	span region	> 01eA	Rocketter A		upon recurs)	sam report	team regreat	apon recurs)	Construction of Construction
Expert of 29 online	B agona	1.9211																		here proper 100 -	6-26-20 IC	$\langle \rightarrow \rightarrow \rangle$

By means of the Excel export button the content of the grid can be exported for further treatment.



8.2 Map Management

In this section, the user can display the tabular overviews of the objects in the base topology. Without the appropriate rights, the user cannot change the topological data here.

The CIP-related data is managed via the main menu item Corridors Information

8.2.1 Segments

8.2.1.1 Overview of segments

This overview shows the segments that are managed in the RIS application's base topology. The overview also contains the segments that are generated via map tools.

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Analysis Instancement Sciences	6									
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Sectors										
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	Station 2 - ATMENT	densities and some	Acad in 1.27	Sec. 271041	free making Art - 0001	Aurden - 62	xe	721		•
	8-16-6X. 4780727	0404-big 85-300	Analisis - Alt	Photos - ATTNC	first Hading Art - Cast	Aurikin - 62	7778	2208		۰
	Sol Pec +1 - A709054	005-Hodhy AD - 3031	Austria - AT	Kramma Steam - ATI 840	065-Fielding AG - 0001	Acatris - 47	(79)	-779		۰
	Sol Rec 3 - A708052	000-Hodhy AD - 3601	Austra - AT	Yitto e d.Dense - A71945	065-Fielding AG - 0001	Austria - 47	2031	26+2		۰
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	access a rando	Out-toong Asi attar	AND AL	ARCHINE ALLER	Des raising our court	ALARA N	2010	2.98		Φ
	Alexie S. No. Selected and 04 (1154) - 4731310	055-400 g AC - 3051	Apple 12	5 Prim-Selevalden (h 5p) - 471058	665-Paders 40 - 081	August 1 47	778		778	Φ
								postera fora la) Erissier-t - si si	\leftrightarrow)

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

 \bigcirc

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

 $^{
m J}$ Show: Opens the detail dialogue by means of which data are shown in detail



8.2.1.2 Segment details

You can open the detailed data of the segment via the "show" icon in the overview. The properties of a segment are aggregated data of track properties of the segment that are assigned to this segment.

Interactive Map Map Management Ter	minals								
Tabology > Map Management > Edit See	ament								
Segments	EDIT SEGMENT								
Sections	Segment Detail								
Topology Events	Locator From Abzww Knoten Rohr Ost (in Roh) - A191	054	Lovakn To Groß Sierning (in Roh) - AT1639						
	- Distance IN (rd)	Distance Lincer (n) 987	Deserve Tvyter (r) 307						
	Start Vacaty 2019-01-29 10074-08-00	End Vanday							
	Georging 	Internade Freight Cade	The Company 						
	Gradient Dir 1	Grudent Dr 2							
	Maximum Speed	Naximum Train Length	Espositiva Danos B 						
	Number of Trooks	Track Gauge	Tractice Power						
	Unapa								
	RINF Properties								
	National is identification		Length of section of line	infrantinud an House yer 					
	Custom Properties								
	Roperty		(other		Actions				
	CIS Line Category		2004						
	CIS Line Ix Passenger		Inse						
	Back Reset								

8.2.2 Tracks

8.2.2.1 Overview of tracks

All tracks that are managed in RIS are displayed in the overview. Both tracks that are assigned to a segment and tracks that are assigned to a Subsidiary Location and therefore Primary Location are displayed.



Interactive Map - Map Management - Ter	rénds									
Tasisgo > NacVanagement > Trasko										
Segnem. Tracks	TRACK5 (44435)									II cam
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		1	2018-09-12					2010-01-27 00:00:00	7010-11-27-00-00-00	۵
		8	2010-03-02			·· ft		2010-01-27 00:00:00	2010-11-27 00:00:00	Ŷ
		0	2010-09-02			0		2010 11 27 03 03 03	2010-11/27 00:00:00	÷
		5	2013-09-12			6		2010 11 27 00:00:00	2018 11 27 00:00:00	Φ
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		1/	2018-09-12			12		2018-11-27-00.03.03	2018-11/27 00:00:00	Ð
		1	2018-09-12			1		2018-11-27 00.00.00	2018-11-27 00.00.00	ø
		5106	2018-09-12			5106		2018-11-27 00.00.00	2018-11-27 00:00:00	ø
		2	2015-03-12			2		2018-11-27 00.00.00	2018-11-27 00:00:00	۵
		42	2015-02-12			0		2018-11-27 03:00:00	2018-11-27 00:00:00	۵
	-	fa	2019-03-12			11		2018-01-27 03:00:00	2018-11-27 00:00:00	0
			2013-03-12			1		2010-01-27 03:03:03	2018-18-27 00:00:00	0
		E .	2010-00-12			6		2010-01-27 03:00:00	2010-11-27 00-00-00	۵
		1	2010-09-12			8		2010-11-27 00:00:00	2010-11-27 00:00:00	۵
		12	2010-09-12			11		2010-11-27-00-00-00	2010/11/27 00:00:00	ŵ
		12	2010-09-12			12		2010 11 27 00 00 00	2010/11/27 00:00:00	÷
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		150	2013 09 12			152		2018 11 27 00.03.03	2018 11 27 00.00.00	Φ
		15	2013 09 12			15		2018 11 27 00.00.00	2018-11-27-00.00.00	Ð
		18	2013-09-12			18		2018-11-27 00.00.00	2018-11-27 00.00.00	œ
								liona per	NE 25 - 1 25-010455	ссэл

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

 \bigcirc

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

Show: Opens the detail dialogue by means of which data are shown in detail

8.2.2.2 Track details

You can open the detailed data of a track via the show icon in the overview. Fields like RINF Track ID refers to corresponding RINF data and indicates that this track or data of this track were transferred from RINF to RIS. In the middle section, the user sees links of the track to tracks of the from-location to tracks of the to-location. The same principle applies to tracks from Primary Locations. Here, the user can see the link of the track to tracks from adjacent segments in the same way.



Interactive Map Map Management To	èminals									
Topologe > <u>Map Management</u> > <u>Edit To</u>	ask.									
Bagmenta Tracka	EDIT TRACK	EDIT TRACK								
Sections	Track Detail									
lopology invests	Trush Nano -		Took Code 704b	Ref Traci d NLHT704b						
	- Stativectz . yvyvallitat									
	Develop Segment ® Location									
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	G GI CH									
	CJ CJ BC									
	Line Properties	Track Catago 1425	* Usept Parcenter & Polati							
	Further Properties ()									
	link									

This represents the topological network at track level.

8.2.3 Sections

8.2.3.1 Overview of Sections

All sections that are managed in RIS are displayed in the overview. This means that sections that have the same segments grouped together can occur several times. The only difference is that they belong to different layers. The filtering for a specific layer can be done in the overview.

terdele Xu Neg Stragenent terma													
Issues > Net Management > Sector	salar, > Usalinement > Selices												
Segments													(The second seco
Toolo	SECTIONS (1764)	the factor						Principal de la	The second second			e ingen	E Courra
Sections	-]				TOR					-	
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	 Vieland HR7 	160 Catalo UR	10 International COM	Weaver HR71252	Coata HR	HC Information - 0078	TOR	10337	19210	47716		Active	•
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	Diske-DE90	al Germany - D*	TO MUSIC AS - 2002	Dense HM-DE1997	Gernary - DT	DD M050 AS -000	TCB	213100		265676		Active	0
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	Cienzy - Ub21	Next DD- 61 Germany - DT	IN HEAD AG - 2000	Dense HM-DEH527	Gernary - DT	DE MINISO AS - 0083	TCR	71502		12536		Active	•
	U Oth Drov 7 day Caseste	ke z - Czwis Republic - CZ	5707 - 0054	Kalh - CZCHH	Cresh Republic - C7	5717 - 0354	TCR	177906		171/20		Active	0
	L Cases	Keiz - Czech Republic - CZ	5707-009	Daski Tisbevi - C252913	Crisch Republic - C7	5717 - 6354	TCR	78570	13477	77860		Active	•
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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.

Show: Opens the detail dialogue by means of which data are shown in detail

8.2.3.2 Section details

You can open the detailed data of a section via the show icon in the overview. Depending on the privilege, the user can change the detailed data of the section. The section properties ultimately originate from the aggregation of the track properties.

Interactive Map Management	Terminals				
Taxology > Map Management > Edit.	iertion				
Segments	EDIT SECTION				
Tocks	Section Details				
Tapology Events	Lavera TCR				
	Location Trave Mechanical - METERSO		Location To		
	Shiribaday		End Validity		(m)
	V17948482		YYYY48A20		C
	Disensi M (H)		15107		
	Payles Balance (a) 19410		Requests Lower Delayers (n) 17715		
	Section Properties				
	Line Calegory	Traction Perwer		Signaling Class D	
	imernadal Freignt Gade	Georgieg		Gendlert Dir 1	
	upon request Boxector2	upon request		n pon request	
	upon request	upon request		upon request	
	upon request	upon request		upon request	
	Custom Properties				Add new
	Property	Wite			Actions
		No Custom I	Poperties found		
	Back				

8.2.4 Topology events

This overview shows the chronological sequence of changes to the topological network.



Instantia day Ung Waxegaman Tumeza									
Index > Medianeses > IndexCoath									
Beginnerts	TOPOLOGY EVENTS (64693)			0.0	Columns				
Tracks	Karl Inc.	Tere .	here.	deleter a	_				
Basian	e- 20								
Topology Events	65.11.2.118 17.18.17	Location delete	vojtan stehenovoĝine ka	0 0					
	VE. T02018 18.18.17	Location defeta	nghan sixharan oʻgʻina Au	0 0					
	65.10.2018 13.16.18	Location delete	vajtan sixian zvolginu xu	0 0					
	65.10.2018 13.15.18	Location delete	ngkan siskenvisigens on	\odot					
	65.10.2013 13.15.13	Location delete	vojkan stolansviolijene cu	⊕ ⊚					
	# # # # # #	Location delete	sojen enhersingen es	⊙ ∅					
	21 (6 20) (6 (2 1)	Location delete	sojon coheniajym es	0 0					
	6 6 20 0 6 0	Location delete	sojica colocalaĝine es	0 0					
	65-16-26-18-19-19-24	Location delete	sofican analatawa (B) wa wa	0 0					
	65.07.2018.03.47.45	Segment create	soji an atalan avajiji na eu	۰ د					
			1986	аграр <u>н</u> 1-103/9835 С.С.Э	> >1				

The following events are tracked:

- Location create, modify, delete
- Section create, modify, delete, split, combine
- Segment create, modify, delete, split, combine
- Track create, modify

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



Show details:

Clicking this icon more details are shown that are linked to this event. E.g. when a segment was split the user gets the following detailed information

Topology Event D	etail		
Segment - Update	AT, 2806 - Floridsdorf (in F)	AT, 5924 - Wien Brünner Straße (in F)	
Segment - Update	AT, 5924 - Wien Brünner Straße (in F)	AT, 2645 - Jedlersdorf (in F)	
Segment - Delete	AT, 2806 - Floridsdorf (in F)	AT, 2645 - Jedlersdorf (In F)	-
			Close



8.2.5 Terminals

This is the same view as described below under the topic corridors information

9 Corridors Information

All CIP-relevant information and user functions are managed in this main menu. In this chapter we will describe them in detail.

9.1 Nodes

9.1.1 Overview of Nodes

This overview shows all relevant locations for CIP apart from terminals. These are all primary locations on the one hand, but also specific locations that do not yet have an assigned primary location. This allows, for example, a location to be created for a corridor before it is published as a primary location.

Notes	Sections Terminals En.	z Proposies – I I OV Re	routing Options v — E	ETC8 8 alus - Projecto	konstanent plans — Test Madele	s Hanafan Daun erts	Documents							
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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 node can be created; opens the node details dialogue.

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

9.1.2 Node details

Existing nodes can be edited or new nodes can be created via the detail screen. This dialogue is primarily used to assign the node to corridors. Data that differs from TAF/TAP TSI, such as name, coordinates and code, can also be entered here. The coordinates or name entered here are also used to display the location on the map if the CIP layer has been selected. This allows the location to be changed on the map for better visibility or increased accuracy without having to change the CRD data.



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Visibility: Visibility values define in which map scale you can see the node (with different map scale, different nodes are visible):

- hidden the node will not be visible in the map view.
- Visible 0 should be used for CIP nodes of even lesser than local relevance, e.g. switches in bigger railway junctions.
- Visible 1 should be used for CIP nodes of local relevance.
- Visible 2 should be used for CIP nodes of regional relevance.
- Visible 3 should be used for CIP nodes of major relevance.

If a primary location is assigned to the node, the data of the primary location is also displayed in the lower part.

9.2 Sections

9.2.1 Overview of sections

All sections contained in one of the corridors are listed here.



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Visibility:

- hidden the section will not be visible in the map view.
- Visible the section will be visible in the map view.

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.

changeu.

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

Set inactive: An active section can be set inactive by means of setting the end-date of the section 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.



9.2.2 Section details

In contrast to the detail screen in Map Management, the assignment of sections to corridors and various CIP-specific parameters such as section type, visibility and CIP name are set here.

In the middle part, the already known aggregated properties of the underlying tracks of the segments that the section contains are displayed. These cannot be changed at section level (combined property of the tracks). Special re-routing information of the section is managed in the lower part.

The last block shows whether the section is used in overarching structures: ICM lines, re-routing lines, projects, ETCS projects.

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9.3 Terminals

9.3.1 Overview of Terminals

Terminals are locations that are currently only managed within CIP. These are independent of other locations such as CIP nodes, primary or subsidiary locations and service facilities.



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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 terminal can be created; opens the node details dialogue.

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

Set inactive: An active node can be set inactive by means of setting the end-date of the terminal 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.

9.3.2 Terminal details



The terminal is assigned to CIP corridors in this dialogue. Terminal-specific data can also be edited.

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9.4 Line Properties

When managing line properties, a distinction must be made between corridor overview and the network+ overview. Both displays are used to clearly display the sections and their line properties.

9.4.1 Corridor overview

The overview is structured in such a way that the corridors for which the line properties can be displayed can be selected directly above the table. It is also possible to restrict the display to a specific country or a responsible IM that is assigned to the section according to CIP section management. A third option is to filter for a specific section type (e.g. only show sections with "Principal Line" value as type).



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Genh-Goodener - YN eardall	Skipen - St	hinderi - 988	Connecting Line A	04	DO SKY	Crocodile, 18011	ETCS LTLS / SRS 3.8.07 SW2.0	END 70400	UB	8 - 10	8 - 13	1435	Seguinet	700 - 740750 m	< 60 km/h	high.	
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Wheed Dichock Auschol, WOust Dichock Auschol	Bolgion BE	Mobel 0088	Principal Line	04	D0 3W	TBL1+	ne class A system	P/C 70/400	den ogest	e 6	« 5	1435	Three or more	upor request	< 60 km/h	Passenger & Freight	
Amstenlam Centraal Dijksgracht Westzijke (Amstendam)	Neticiands NL	ProReal (COM	Rincipal Line	ns.	DC 1 GIV	ATTI First generation	ne class A system	PVC BANKS	82	<6	-15	1435	Three or more	700 740700 m	a féliknañ	Passenger & Freight	
Revealed the Astron - Killforek constraining react	Netwolands - NL	ProReal - COM	Principal Line	RK.	001.0IV	s pan inquinti	FTCS11/5832306/5910	PVC B3/10	open required	s f, spon respect	a Super- request	1435, open request	Three or react	loss require	61 - 62 km/s	Enright, span request	
Detune Route Papendiecht - Datuwersule Melanis	Network - NL	ProRail - 0004	Principal Line	12	AD 25 KHOLE	upon request	ETCS 12 / SRS 2 3 06 / SV1 0	PVC 02/10	open request	a fi, spon respect	al 5, upon request	1435, open regional	These or more	specificação de	101 - 120 km/h	Emight, upon request	
Detainers de Melever - Detainers de Vallary aansi. Wijd	Network - N.	ProRail - 0004	Principal Line	62	AC 25/640918	upon request	ETCS 127 SR5 2 3.667 SV1.0	PVC 83/10	upon request	S 5, spon respecté	 S. upon request 	1435, upon reguest	Three or more	upon request	191 - 120 innth	Preight, upon request	
Bevervijk - Noordelijke spitterij (Hastiem)	Netherlands - M.	Prei Aul - COSI	Connecting Line A	19	DC 156V	All hint prevalion	no clasa A system	FVC 83410, FVC 70400, FV C 53/380	upon request	5.5	si 5	105	Double-track	upor request	01 - 80 km/h	Passenger & hreight	
Kyllicek Nood - Kyllicek zod	Netherlands - M	Prol-ball - COS4	Principal Law	194	DC 1.5KV	AIB hist prevalion	ETC6 E17 SH6 2 3.067 SV1.0	EVC BX410	00	*>	45	1425	these or more	700 - 740 /50 m	01 - 83 Rosh	hegh.	
Kyllicek zaid - Balave Reak Papareteck	Netwines-	Profibal - 0094	Propil Law	04	AD 25KV-50Hz	ro choz Bisystem	ETC8 L17886 2 3.067891.0	PVD 80/410	00	21 - 25	21-25	1435	Double-laws.	700 - 740/58 m	191 - 120 Juniti	hugt.	
Penis - Roll Benice Center Washinten aurol.	Ncherlands - ML	PuRal (094	Principal Line	04	A0 25/V 50Hz	re dess Bisystem	ET08 L1 / 888 2.3.0/ 891.0	PVD 80/410	90	×5	< 5	1435	Double track	700 - 740/750 m	61 - 60 konh	Fixight.	
Reportant Brelo aansi.	Network with ML	ProReal (034	Principal Line	04	DC 1.5kV	ATB First generation	ne daes A system	PVC EXVID	98	< 5	< 6	1435	Double track	700 740758 m	81 - 100 kw/h	Passenger & Freight	
Field/Transf. Partic	Netherlands No.	ProReal (COM	Principal Line	Dis.	AD STRVIDE N	re class fil system	FTCS11/383230673910	PVC BANKO	GC.	25 23	26, 30	1435	Double mark	700 740/700 0	41 Filmh	Enright	
Maandalov - Manufalov annti	Network - NL	ProRoll - CON	Principal Line	ns.	AC 2584-CB H	no obes Rieystem	FTCS11/5832306/5910	PVC BANKS	ac	45	< 6	1435	Double-mark	700 - 740/700 m	61 - 62 km/s	Ewigie	
															lass prepage 10	 1-136 of 384 1 C 	$\longleftrightarrow \exists v$

9.4.2 Network+ overview

Similar to the corridor overview the line properties of sections of the network+ network are displayed.

Instead of filtering on section type the filtering can be done by re-routing lines.

Naka Sadaa	Tariah Line Recention	er 10M Barred	an Carlos and STICE Store	W Brinne	hand and show	Test Madeles	Manufacture and	Conservation										
Autor Contra	> tarines the repeates	 Fall R2 180 	ng options + Crossenses	* Pigeto	incontro paro	COL MODIFICS	TRATEGO DECARGIO	CECHNIC										
CONCENTION	1 / however																	
NETWORK+ LI	NE8 (1736)									· Denky				Franks, Law				E Column
PackApach - Thi	stella - Faisteau Fist	Drance - FR	SHOT Reven - CONT	Decrements	DN Category	AC 2010/0015	KATE	reviews A	labor maj wet	GB1	upon request	span regent	1435	Earber of Track	790 - 740/750	101 - 120 km/t	Passarger & Ewight	Piscelaneous
Santruacker-D	stach - Santracian I M	Germany - DC	DE INFREE AS - 0003	Districtionary	ы	70	P7D-30	in class A	PVC 73/120	Lippo request	upon request	upon request	105	Three or more	700 740/750	01 - 100 km/h	Passarger & Deight	
Marchairs F.M.	Narshair: Repolate	Germany - DE	DE INFORMACINE	Discriming	DI	AC 14	1270.00	no class A	INC 10110	DF3	6.13	6 . 10	105	Three or more	530 - 542 m	01 - 100 im h	Passarar & Paints	
Charles Margaret	and the second state	Common 192	THE REPORT OF LAND	Line Diversionary		1980-16716 AC	10.0	ne class A						Paralle lands		to 191 mark	Channel and the state	
	a (sang) e	Contrary - Do		Line Diversionary		15KV-16.7Hz AC	140.00	ayabera no class A					1140	La de la d	730 740/750		- and provide a subject	
Koblenz Hat - Ka	otlend Moxel Oth	Gerrary - Do	DE MINCO ACI-0083	Law	D4	1983-16.7Hz	128.00	agadara	INC BUT D	C2	6 - 13	6 - 10	ИБ	Double-treck	11	101 - 120 krah	Fasterger & Freight	
Koblenz Mosel C	2d - Kethase	Gerrary - Do	DE MINCO AC - 0083	Line	04	1980-18.742	125.00	1537411	INC 70400	62	11 - 15	11 - 15	HB	Double-track		101 - 120 krah	Passeger & Pregitt	
Koblenz Lätzel -	Koblenz Moavil Cbi	Genery - Us	DE Hesto AC - 0085	Divisionary Law	04	AC 1969-18776	1/26/00	no class A vysiara	INC BRID	œ	16 - 20	16 - 20	105	Double-Inack.	730 - 740/750	101 - 120 Junit	Passager & height	
Mandar (Wed	199 - Lonen Savd	Genery - Do	UE MaxOO AC - 0080	Divisionary Line	U4	AC 1983-187742	126.00	no dana A Ngalara	INC BUILD	62	11 - 15	11 - 15	1425	Single-back	sparingwol	> 121 km/h	Passage & height	
Boltrop Sud - Ce	davekirchen Kardatern	Genery - DE	DE HERODACI- 0080	Diversionary Line	04	AC 1987/18/7Hz	P28-90	no class A Vysikas	P/C EX410	62	11 - 15	11 - 15	1435	Double-track	730 - 740/750	81 - 100 Junit	Provinger & Excipit	
Geborekischen B	ismark - Henre Rollbrach High	Genery - DE	DE MisiSO AG - 0080	Diversionary Line	04	AC 1987-1974a	P28 90	no class A Vysikas	PVC EX410	62	16-20	16 - 20	1435	Double track	730 - 740/750	81 - 100 Junit	Pasanga & Exight	
Here Bothach	Buchum Richike	Occurry DE	DE Mixido AS (008)	Directionary Line	04	AC 1947-1974z	P28 90	no clasa A 195500	P/C EX410	68	11 15	11 15	1435	Double track	730 - 740/750 19	81 100 Junit	Persona & Englis	
Boolium Ricritor	Bohun Langendrez	Genery DE	DE MINRO AS I OCED	Deecempy Line	04	AC 1947-1974z	P20-90	no clasa A system	PIC EV410	68	16 20	16 20	1435	Double track	700 - 740/750 10	81 100 km/h	Personan & Freight	
Bochum Largen	iteer Bachan Stockaner Stocke	Gernary DE	DE MISSO AS 1008	Descenary Line	04	AC 1949-1971 b	P20.90	no china A raymoni	PIC RM10	62	11 15	11 15	1435	Double track	730 - 740/750 10	91 - 100 km/h	Passarger & Fielght	
Bachan Stacks	ner Stracke - Witten Hof	General BC	DE MISSO AS LINES	Designments Line	D4	AC 1949-1971 b	E70.90	re chea A symon	PIC PAYIN	60	11 10	41 45	1135	Double made	730 - 740/750 15	101 120 km/t	Postonger & Fielght	
Ragen-Verballe -	Hagen Hangmey	Gernary - BF	DE INISSO AS - 0083	Devisionary Line	D4	AC 1969-1971 b	E70.90	no clasa A Aymeni	PIC 833-0	ŝ	16 - 20	16 - 20	1135	Double-made	730 - 740/750 15	01 - 100 km/h	Postweiger & Conlight	
Happellangers	/- Llagen-Kabel	Germany - BF	DE MINSO AS - 0003	Diversionary Law	DI .	AC 1969-18776	E70-90	no chasa A agalara	P/C B3/H0	ŝ	16 - 20	16 - 20	105	Double-made	700 - 740/750 11	101 - 120 km/h	Passarger & Colghi	
Hagen-Kabel - K	in urtal	Germany - BF	DE MINGO AG - 0003	Diversionary Law	DI	AC 1969-187744	P70-90	no chasa A Ngalara	PVD 45725	070	16 - 20	16 - 20	105	Double-track	700 - 740/750	01 - 100 km/h	Passarger & Colght	
Kwartal - Siege	n-Weidenze	Germany - DE	OB INFOCIACI-0083	Diversionary Line	DI	AC 1969-187742	P20-90	rection A spatiers	PVE 73/120	000	6 - 10	6 - 10	1035	Double-track	700 740/750	101 - 120 km/t	Passarger & Enlight	
Siegen-Weidens	u - Siegen Out Gbf	Germany - DE	DB IntraCO AC - 0080	Diversionary Line	ы	AC 1967-1974a	P205-30	no class A ogolikes	PVC 73/120	62	11-15	0.0	105	Double-track	spor request	4.ms 001 - 10	Passer per & Preight	
Trotectorf - Au (S	ie pi	Germany - Do	DB MINOD AC - 0080	Diversionary Line	DI	AC 1987-1974a	1925-90	no class A ogsiken	INC 83YED	Dep	6 - 13	6 - 10	105	Single-track	730 740/750	101 - 120 km/h	Passerger & Preight	
Au (Seg) - Belo	dor' (Sieg)	Germany - Uti	UB MinOC AC - 0080	Discussionary Line	ы	AC 1949-1979-12	1426-00	nn clace A system	110-73100	De3	11 - 15	0.0	105	Double-Ineck	700 740/750	81 - 100 km/h	Passerger & Freight	
Belador' (Sieg) -	Sivgan	Germany - Do	UB MINOD AC - 0080	Divisionary Line	04	AC 1949-1976	1125-30	ne clanz A oyeroni	110 73100	De3	6 - 13	6 - 10	105	Double-Inack	730 - 740/750	81 - 100 Jan/h	Passerger & Proght	
																paneline bodie - 203	- 1-100 of 1705	K < > M



9.5 ICM Re-Routing Options

9.5.1 ICM-Lines

9.5.1.1 Overview of ICM lines

Overview of all ICM lines administered in the system and their assignment to corridors

Nodes Sections Territols Lies Describe of PTI Description Options of PTI'S Data to Description International Option	s Information Decements Decements				
Postere biorection 3 KM Date					
ICM LINES (234)				2 Add	ove 🗄 Ostens
D/ Los Nere	Last Edited By	LastDiffDelo	Centiler Verber	Public Visibility	Adom
		<* 8		•	
Linana - Manzanians - Alcázar	Sector Condensation	2622-03-67	RFC 4, RFC 6	Visible	/ 自
L8tschberg-Simpler and Gathard	100 mar	2625-02-62	RFC 1	Visible	Ø 🗄
Effecter - Wiener Neurstadt	dupid@spearsteric.cz	2822-04-06	RFC 5	Visible	Ø 🗄
Wies-Marchagg-Devinsia Ricoli Ves	- Contract of the second secon	2820-04-16	REC 5, REC 7	Visible	Ø 🗊
Ljubijana - Zidani Nest	32 · · · · • • • • • • • • • • • • • • •	2822-01-44	RFC 5, RFC 6, RFC 10, RFC 11	Visible	Ø 🗊
Sedana - Ljakjana	And the second sec	2822-01-64	RFC 5, RFC 6	Voible	Ø 18
Lundersker - Podoog/Flensburg - Hamburg Harburg - Moschen	and contracting the ex-	2622-12-62	RFC 3	Visible	Ø 10
Measeron Deeler point (Measeron-Life)	-0000000000000000000000000000000000000	2620-06-22	RFC 2	Visible	Ø 10
Mallet - LEP line - Perpignan	Contraction of the course of t	2623-01-63	RFC 6	Visible	Ø 11
Padava Venezia - Porteguare - Cervignano - Menfalcane	rooment)/Breddc.eu	2622.06.01	RFC 6	Visible	Ø 11
Yinkasci - Vultarar Barwa Nazalje		2821.04-14	RFC 18	Visible	1
Yuharar Bareve Nazarja - Valovar	Testeret Branna In	2821.04-14	RPC 10	Valble	Ø 11
Tézeika - Birainejna-Vipelja	No interest in the state of the	2821-04-15	R*C 10	Visible	Ø 11
Statukojna-Vitpolju - Vinkorci	nontrikelitä henta kr	2821-04-15	RPC 10	Visible	11
Vinkord - Tavanik DG (borke point)	to a support that the	2821-04-15	R*C 10	Visible	01
Seavels - Novalta	propriogramate	2821-04-15	R*C 10	Visible	Ø 11
Zagrob FK OS - Securits	dissussible and a	2821-04-15	R*C 10	Visible	Ø 10
Zagradać - Zagrado ZK	Milling grantedr	2821-04-15	10°C 10	Valble	Ø 🗊
DD NOT USE Bharkerwates - Copiete (o be deleted)	06/0000kpresseleznic.cz	2822-01-45	REC 7, REC 5	Hidden	Ø 🗊
Kijhosk - Zevenaer / Emmerch - Oberhausen	2000 m	2820-0649	REC 1, REC II	Visible	∅ 亩
Fuertex de Ofors / War Frontos (PIOP boder) - Gaerde	433(R +	2015-0543	RFC4	Visible	∅ 亩
			literts per pag	100 - 100+1204	IC C > >I

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 ICM-line can be created. A detail dialogue is opened

I column selector is opened by means of which the shown columns can be

changed.



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

Delete: Let the user delete this entity.

9.5.1.2 ICM Line details

The details of an ICM line essentially consist of the name, the assignment to corridors and a selection of the sections of the selected corridors that affect the ICM line.

EDITION LINE					
aver -					
	- @ REC7 - States - William -	۵.	are a state		
COLUMN 1					
Jobjens - Zolen Vost					
2 Case Cases					
c٣	-				
Section Filters - wenter men contract source on the section					
(family	- interior or lineage			E-vite ilenity	
					•
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Search			Seeco		
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AD Kin, 190, 500 - Kapise serg zaraw e Anartis, itazi anake e Anartis.		~			
Language for short following many for index of an a factorial of the few for for "Neuroscience" and "Language" Notices.					

9.5.2 Rerouting Lines

9.5.2.1 Overview of re-routing lines

The overview of re-routing lines grouped by ICM lines. This allows the user to see all re-routing options for an ICM line.



(
Notes Sectors Territals Like Properties V ICM Researching C	Options v ETCS Scalas v	Projects Investment plans Text Modules Information Documents Documents					
Canidary Information > Resconting Lines							
RE-ROUTING LINES (535)							R Add env
DV Line Name	Carridor Nerber Ortical Line	Re touting Line Name	Last Edited Dy	Last Och Date	Combor Hender	Public Vetolity	Crier Orde Antene
				<* 8			*
Dranier - Bičin	RFC 7, RFC 8	Desiden - Onemitz - Plasen - Hof - Schwandof - Furth in Wald - Donactice - Posta	- CONTRACTOR OF ALL	2021-04-11	REC 7, REC 8	Vaible	Option 3 - RGB(25.51.6) 🤌 📋
Dranden - Déčin	RFC 7, RFC 8	Desiden - Owneritz - Pleasen - End Brambach - Üsti nad Labern - Dikin	10000 M	2023-02-31	RFC 7, RFC 8	Vaible	Option 1 - RGB(128,255.0) / 留
Drazden - Döčin	RFC 7, RFC 8	Deaden - Chemniz - Plasen - Hof - Markinsheiz - Schimolog - Cheb - Úsli nad Labern	10120104	2023-02-01	RFC 7, RFC 8	Vable	Option 2 - RGB(75,153,0) 🥒 📋
Koin - Mainz / Wesbadon	RFC 1	Prankfurt - Gießen - Kassel - Dortmund - Galogne	-ggitte	2023 03 17	RFC 1	Visible	Option 1 - RIGR(128,255,0) 🖉 🗑
Draufen - Döön	REC 7, REC 8	Bedin - Franklurt (Odor) - Polen (to be completed in POLI)		2023-02-01	RPC 7, RPC 8	Visible	Option 5 - RGB(51,182,0) 🖉 👔
Crateva - Welm Tovarma - Mazeha	REC 7	Cratese - Videle - Garge/Rane - Abstan/Politraintin - Mazdia	shipter and the set	2022-04-01	RPC 7	Visible	Option 1 - P 10 P
La Encina - Alicante - El Regarion	REC 6	La Encina -Chinchila - Murcia - el Regueron	distance in gravatic ex	2022-03-28	RPC 6	Visible	Option 1 - P III R60(120.255.0)
El Regueron - Chinchilla - La Encina	HEC 6	El Negueron - San Inidio - Alcarde - Caudete - La Encine	CARLON TO THE REAL PROPERTY OF CARLON	2022-03-28	IDFC 6	Visible	Option 1 - PGB(128.255.0)
Fisekfut (Oder) - Rzepin	RFC 8	Franklut (Oder)- Outers - Pales (to be completed in POU)	control in an	2023-00-01	RFC 8	Hidden	Option 1 - POB(128,255.0)
Frankfurt (Odar) - Rospin	RFC #	Bedin - Ltibbenau - Cottiso - Guben - Polen (to be completed in POL)	2000 A.M.	2023-00-01	RFC 8	Hidden	Option 2 - R6B(25,153,0) 🖉 🗃
Frankfurt (Oder) - Respin	RFC #	Frankfurt (Ddar) - Cottlaus - Senflenberg - Horke - Polen (to be completed in POU)	(Common States)	2023-02-01	RFC 8	Hidden	Option 3 - R6B(25,51,6) 🖉 🗑
Bremerhaven - Bremen	RFC 7, RFC 8	Bromorkavan - Cuchaven - Hamburg Halburg - Ratenburg - Bremen	oggde.ex	2023-03-27	RFC 7, RFC 8	Vaible	Option 1 - RGB(128,255,0)
Bremohaven - Bremon	RFC 7, RFC 8	Bromorkavon - Cuchovon - Hamburg Halburg - Ratenburg - Verden (Aller)		2023 03 27	RFC 7, RFC 8	Vaible	Option 2 - R0B(75,153,0) 🧷 🗑
Braunschweig - Magdelaurg	RFC 7, RFC 8	Hannover - Broanschweig - Wolfsburg - Stendal - Magdeburg	S STR.CU	2021 06 08	RFC 7, RFC 8	Visible	Option 2 - RGB(75,153,0) 🧷 🗑
Braunschweig - Magdeburg	REC 7, REC 8	Hannover - Ceitingen - Northeusen - Hale - Köthen - Megloburg	-100 march	2023-02-02	RFC 7, RFC 8	Visible	Option 2 - RGB(75,153,0) 🖉 🗐
Braunischweg - Magdeburg	REC 7, REC 8	Braunachwarg - Wolfsourg - Oxion/elde - Handensisben - Magdeburg	No. Internetion	2023-02-02	REC 7, REC 8	Visible	Option 3 - RGB(25.51.0) 🖉 🗐
Potogruax - Cenignano	HEC 6	Perilognare - Casansa - Utine - Oekaa - Nonch Nord	State of the second second	2022-08-31	INC 6	Ysbk	Option 1 - RGB(128,255.0) 🖉 🛱
Brainschwig - Maglebing	REC 7, REC 8	Hannover - VY05burg - Standai - Magdaourg	require au	2021-06-08	RFC 7, RFC 8	Visitio	Option 4 - RGB(102,204.0) 🖉 🛱
Vicenza - Castellaeco V Traviso - Portograec	RFC 6	Traviso - Sacile - Casaesa - Ponegnaro	AND CONTRACTOR OF AN	2022-06-01	RFC 8	Visible	Option 4 - RGB(102,204.0) 2 首
Manfaicone - Villa Opicina - Bedrana	RFC 5, RFC 6	Manfalcone - Gorinia - Udina-Tanisio - Villach - Jasanica - Ljubljana	state and second second	2022-03-28	RFC 5, RFC 6	Vsible	Option 2 - RGB(75,153,0) 🧷 🗒
S. Vicent - Castelbisbal	RFC 6	3. Vicent - El Pint de Llobregat - Dif. Gornal - Il Inspitalet de Llobregat - Caotellisistai	Superior Others	2022-04-28	RFC 6	Hiddon	Option 1 - RG0(120,255,0) 🖉 🗒
					Dane per pa		- marine 17 (3 3)

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 Re-Routing line can be created. A detail dialogue is opened

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.

9.5.2.2 Re-routing line details

The detailed view of a re-routing line allows the user to assign it to corridors and, crucially, to compile the alternative route via a selection of sections. It is not possible to change the assignment to the associated ICM line. The selection of the ICM line for which the alternative route



option is to be created takes place when creating a new re-routing line. However, the user can copy an existing re-routing line to another ICM line. The colour selection enables the colour representation of the re-routing line on the map to be determined.

9.6 Projects

9.6.1 Overview of Projects

Here the user can see an overview of all projects in connection with the corridors. The projects refer to infrastructure, ETCS and radio system projects. Information on which corridors are affected and which corridor manager is responsible for the project is also displayed in the overview by default.



Netes	Sectors	Services Line P	operation v 101	He entry Options -	ETICS Status ~	Projects las	entrunt plans	Text Medules	Information Documents	Deconverts											
Crebes	donates)	Projecto																			
PROJE	:TS (799)																			3 Aktres	Columna
5 mit	esectanger *	n	CRATER	kare	Description	halanese kiantee	Napet Type -	Debaki Raku	e.e. E	Read Piger	Magical Denser	torains index.	Contarts Incluser	Letterner	E.	Last Notive By	Rhysarie Gegen chroniae	ra karnottar	West in the	same	1000
	interfacture	A22 - 8071	Span - ES	Bobacilla - Contois Autoratic Boox	Behadila - Contona Arternetic Black (Stilling from Informatic blacking In Accounts and Security - Contone Biograph Accounting		main project	Secured	118-2		RFC 4		NIC4 NCS	202-12-25		nagyfrennego			Yes		e 11
0	FTCS	CFR 54 - 0453	Romania RO	Inglomaniation of ERTMS ETICS level 2 system as the line section (RUVRC) Bostar . And . Kim 614	implementation of CRTMS CTCS INVE 2 system		stale project	Realization	3125-12		RFC 7		RTC 7 RTC 8	2001-67-28		and the second sec			Yis		P 8
13	internetini	255K 1106	Slocks SK	Ral Hose Zilea	Modemization of Rail Node Zitina		waie project	Realization	3424-12		RFC 11		REC 5 REC 8 REC 11	200+61.00		-Billindenogens			Yas		11
	10 2010/00/19	2884 - 1195	Sloveline - SK	Poprad - Ladivid	Modemization of people Poynal Rety - Cabura		man project	Tealector	2828-12		HHC 9	RECS		2023-11-28		and the second			100		18
	interdiscourte	8202 - 8854	Gzech Republic CZ	Optimization of the line Franke VysoCatry - Čelakovez	Haconstruction, madesinization of the black - factor stage static, higher mes, speed.		man project	Realisation	105-W		840.8		HEC & REC 9	2323444-09		and the second s			786		ν π
	intasinuch an	PKP R.K.S.A 0001	Folged (PL	Wake on tableay Inco no. 14, 811 Section Link? Kalasto-Contein Wise-Octobe Wise attags 1: Lot? Kalasto-Chuteke	The action covers increasing of maximum speed up in 100 km/s for keight tains. The acts load of 221 MJ will be became: any action of 221 MJ will be became: any action of 225 MJ. Internet of the level for 250 m. Inter level for 250 m.	1.856	main perject	Secure	He Z		RFC 1			8544628		and the second second second			YM		28
D	Islastociae	PKP FUX S.A. 0051	Poland PL	Works on the E 20 tohing lise. Waraw-Pachas sector - remaining write. Stickacture Suprestructure	The active covers recreasing the accord up to 120 locals for height trans- recreasing of capacity. The action loan of 221 MJ and the accord	1 106	anya karjasi	Decared	2425-12		RFC 8		SPC 8	2023 16 24		N Barra Barran			Yes		/ 8
D	Interlucture	PKP PUKSA 0011	Poland - Pi	Wons on taiway los no Einector Balyston – Sonolis – Kathick Balestacka (stare berder)	The action scients intracting the matching product op to 100 km/h for length brans, The only head of 221 M2 will be assured.	1.977	naŭ project	Travel	2836-12		лис в		197C 8	2023-10-24		Tanan Managa (dak sa a			Yes		ν π
0 select	of entries																	form our acar			\rightarrow \rightarrow

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 project can be created. A detail dialogue is opened.

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.

9.6.2 Project details





In the detail dialog, you can either create a new project or manage an existing project.

The central part is the assignment of the sections that are affected by the project.

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rejact Desili Insert Ingeneration of LRTMS LTCS level 2 system on the line section 1 UNO Dorder - Arad - Km 614 axes Ingeneration	Ø	Dependent* Implementadion of LRTING LTCS level 2 system Careary CFR SA - 0665	G
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nggoo Into - Anggoo Arna Tya ' mai project	*0		
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00.1.4.0mm -1 2003-1/231 -1/2748 at 00 migrat Banetia	E 0		∐ Addine
Type Water			Adata

Action Add benefit:

The type of project benefit (e.g. quality, interoperability) and a description can be added to the project via a dialog. It is possible to assign several benefits to a project.

9.7 ETCS Status

9.7.1 Standard Lines

This overview shows all projects of category=ETCS that are assigned to one of the corridors except RFC0. The display does not contain any other information than in the project detail data itself. Only specific ETCS information is displayed here, which can also be changed directly in the tabular view without having to go to the project details.



Nodes Sections Terminals Line Prope	£es ∨ KM Ree	outing Options V ETCS 5	itanas v Projects	Investment plans	Text Modules	Information Decuments Decuments								
Coridon Information > ETCS Status - Stenda	od Lines													
ETCS STATUS / STANDARD LINES (22	167)								Sedue 7	*	Probit Nerre			El Colamia
All RFCs CORRIDOR	2 	PressWed BPC	Tanana 🗸 🕌		- ⊘ RE	💭 🛛 🔀 erverten 🖉 🏹 🕅 🖉 🖉 🖉 erverten 🖉								
have	Country	- N	Conder Verber	Sector Type	Tracklength (Jac)	Project Name	the although the	Celler	Project Galling	8105 Is Operation	ETCS Operational Level	ETCS Destryment Texe	PTCS System	Arrien and
Esugg AG Nard (Abzw) - Lupfig	Subsciented - CH	SEE Infestructure - 0085	RFC 1	Principal Line	4167	Conider Lines DRIMS	1	15	2018	2019-12-31	ETC8 L1 L8	* 8R8 3.4.9 * Earokep	81/2.0	•
Ludwigshafer-Öheingtniveire - Ludwigshafer- Nunderheim	Germany - DE	DB InteGO AG - 0080	RFC 4	Principal Line	1/56	ETCS Grollampid Rime-Alpite	1	5	2002	2032-12-31	ETCS L2	* 81834.9	812.6	•
Garti-Zachavon - Y.Maide	Belgium - BE	Initiabel - 0988	18°C 1, 18°C 2, 18°C	ConnectingLine A	1611	ETCS equipment Beigium RFC TALP	1	78	2325	2024-12-13	ETCS L2	* SRS 14.0	SV1.1	
Ubaraho - Maravany	Crech Republic - CZ	82CZ - 9064	REC 7, REC 9	Principal Line	\$160	ETCS Deployment until 2020	1	7	2028	2019-12-31	ETG9 L2	* 51823.00	SV10	*
Lovesico jih - Bohušovico rad Ohli	Crech Republic - CZ	52CZ - 9054	RECT, RECI, REC 8	Principal Line		ETCS Doployment Holupy and Vitous - Dible state border	1	0	2026	2025-12.31	ETCB L2	* 818169	8V1.1	*
BE Gross-Mercederice - Gross	Spain - ES	ADP - 0EM	RHC 6	Principal Line	-	BRIMS Deployment Spain	2	3	2013	2012-02-31	ETCS L1	* 51523.04	SVI 0	*
Zidani Mast - Sevrica	Slavonia - Sl	82 - Infrastruktura, d.o.o ocza	RFC 6, RFC 10	Principal Line	16236	Deployment of ERIMS/ETCS (level 1, baseline 3 (set 2), an Section 5 (2dam) Most -Debose -barder HR)	1	3	2029	2029-12-31	ETCB L1	* \$1814.9	8/2.0	•
Asignan Dif Cacalilan - Nicorras Dif Cacalilan	France - FR	5/407 Résona - 0687	RFC 2, RFC 6	Principal Line		DRIMS installation SHCP Réceau	1	19	2038	2039-12-31	to be defined	* to to defined	to be defin	и т
Pemie - Rail Senico Centor Waalhaven aansi.	Nothorlands - NL	ProRail - 0084	RFC 1, RFC 2, RFC 8	Principal Line	-	ETCS Havenspearlijn Rotendam	1	10	2014	2014-12-31	ETCS L1	* \$78.23.04	811.6	*
Gartona dal Fituli - Osoppe	Raty - IT	PS - 0083	NHC 5	Connecting Line A	4/81	BUMS installment on the BA Centror railway sections planned attar 2028	1	12	2335	2035-12-31	ETCS L2	* \$163	5V2.1	*
Planá s Mar. Lázní - Brotinski Tichou	Czech Ropublic - CZ	82CZ - 9084	RHC 9	Principal Line	4016	ETCS Chab - Pizeh-Jdal Pledm	1	8	2023	2021-12-12	ETCS L2	* \$18163	5V1.1	
Searrand - Genshagener Heide	Germany - DE	DB ME#30 A3 - 0080	RFC 8	Principal Line	8168	ETCS ErknerjapSeddie einscht Terminal	1	4	2028	2025-12-12	ETCS L2	* SR5 14.0	51/2.0	
Proligen Sild (Abor) - St. German (Abora)	Suitzenland - CH	BL5 N - 0083	RHC 1	Principal Line	35163	ETCS deployment on contider large	1	z	2018	2007.12.31	ETCS L2	* SRS 2.3.0d	51/1.6	•
Thus (Elgenburngreize) - Spiez	Suitzerland - CH	BLS N - 9063	RPC 1	Principal Line	9765	ETCS deployment on conider lines	1	3	2018	2018-12-31	ETCS L1LS	* SRS 14.0 + Exokep	812.0	
Weil am Rhein DW/CH - Basel Bad Df	Subarland - CH	00 M/x50 AS - 0080	RFC 1	Principal Line	1958	ETCS equipment is the axis of Dated (D1)	1	3	2024	2023-12-31	ETCS L1 LS	* SIS 14.9 - Except	81/2.8	
Basel Bod Rtd DWICH - Basel Bod Rtd (Gr L)	Setterland - CH	DB M/x50 AG - 0080	RFC 1	Principal Line	307	ETCS appipment in the ands of Basel (CH)	1	4	2024	2023.42.31	ETCS L1 LS	- 575 14.0 - Exokep	51/2.8	-
Basel Genza Romheningen - Basel Bail Rbf (Gr L)	Suitzerland - CH	DB ME#30 AG - 0080	REC 1, REC 2	Connecting Line A	227	ETCS aquipment in the node of Basel (CH)	1	5	2001	2019-12-31	ETCB L1L8	* SRS 14.0 + Exokep	SV2.0	•
Dasel Dad Rtif (Gr.L) - Dasel Dad Df	Setzerland - CH	DD HE430 AS - 0080	RFC 1, RFC 2	Principal Line	1903	ETCS equipment in the node of Dasel (CH)	1	2	2024	2023-12-31	ETCS L1 LS	* 575 14.0 + Existep	51/2.0	
Basel Bad DF- Basel Grenze Muttern	Setzerland - CH	08 HH430 AG - 0080	RFC 1, RFC 2	Principal Line	1227	ETCS equipment in the node of Basel (CH)	1	1	2004	2023-12-31	ETCS L1 L5	- 585 14.3 + Earokep	51/2.6	
Biro 1 - BuaPC Fegro	Refy - IT	PS - 0083	RFC 1	Expected Line	33643	ERTING Milano - Genove	1	25	2002	2025-02-31	ETCS L2	- 585163	512.1	
Sano												bern per page: 100 - 1 = 10	1 of 2267	< > >I

9.7.2 RFC0 Lines

This overview is essentially the same as that of the standard lines but is limited to projects of the category of "ETCS" that are assigned to the RFC0 corridor.

Notes Sectores Terminals Line Properties V ICM Re-reading Dynams V ET	CS Status ~ Projects	Investment plans Text Madeles In	formation Documents Do	ne armento								
Condex Internation > ETCS Status - RFOI Lines												
ETCS STATUS / RFC0 LINES (1726)										N		III Columns
True .	Paral Mar		Provider Manhar	Ballion Ports	Trace and the				TTO Deliburger Trip		PTT Total Address	
Hof Hof - Markbrodwitz	Germany - DE	DB InfoGO AG - 6000	RPC 0	Diversionary Line	41685	No	Crus operators usin		ETCO DESAGNARY TEAR	*	Enco operan vensor	•
Gel senklichen Blamark - Hense Rotzbrach High	Gernany - DE	DB InfoGO AG - 6080	RPC 0	Diversionary Line	6352	No				•		•
Szcz Podjucky - Szczacin Dabio	Paland - PL	PKP PLK S A 0051	RFC 6, RFC 0	Precipal Line	7114	No	ETCS L1		to be defined		to be dolined	•
Manchen Pasing - Manchen Pasing Oat	Germany - DE	DB InfeGO AG - 6680	RFC 0	Diversionary Line	1643	No	to be defined	*	to be defined	*	to be defined	•
Barosiona Santa - Bit Nollet	Spain - ES	ADEF - 0071	RFC 0	Directionary Line		Yes	ETGS L2	*	\$R\$ 2.3.0d	*	SVI.8	*
Minches Fasing Ost - Winchen Lain Rbf	Germany - DE	DB InteGO AG - 6000	RFC 0	Directionary Line	1446	No	to be defined	*	to be defined	*	to be defined	•
Szertpelhad - Jennerske/Szertpethind	Hungery - HU	Oy8EWRaaberbahn - 0043	REC 0	Diversionery Line		Yes	ETCS L2		5RS 2.30d	*	DV2.0	•
Szonbathely-Rendezii - Jak-Baloganyen	Hungary - HU	DyGEWRasherbahn - 0043	REC 0	Diversionary Line	7727	Yes	ETCS L1	-	9R9 2.3.04	*	SV2.0	•
Jök Balaganyom - Kannond	Hangary - HU	GyGEWRasherbohn - 0043	RFC 0	Diversionary Line	17484	Yes	ETCS L2		SRS 2.3.00		SV2.0	
Körwend - Szentgoltháni	Hungary - HU	Gy8EWRasbeibahn - 0043	RFC 0	Diversionery Line	27317	Yes	ETC8 L2	-	SR8 2 3 06	•	8/2.0	-
Biř. Los Naserjos - Majarabique	Spain - ES	AD#F - 0071	RFC 0	Diversionary Line	1961	No						*
Kilvergen Spreitentech - Silberen (Alzn)	Switzerland - CH	SBB Infredructure - 8085	RFC 0	Diversionary Line	2014	Yes	ETCS L1 LS	-	SHS 3.4.0 + Euroloop	*	SVI.0	*
Witz burg-Heidingsfeld West City - Bietigheim-Bissingen	Germany - DE	DB InferOO AG - 6000	REC 0	Diversionary Line		No		-				•
Hohensylvary - Schweite Heide	Germany - DE	DB InfeGO AG - 6090	RFC 0	Diversionary Line	9236	No		-		•		-
Zamora - Nedina del Campo	Spein - ES	AD#F - 0071	SFC 0	Diversionary Line		No						•
Kathaus - Perl	Germeny - DE	DB InfeeGO AG - 6000	SFC 0	Diversionary Line	40053	No		-		•		•
Giesses - Giessen-Berguald	Germany - DE	DB InteGO AG - 6000	RPC 0	Diversionary Line	2567	No		-				•
GeoBenhain Cotth B/Ruhland	Garnary - DE	DB infa30 43 - 6880	RFC 0	Diversionary Line	32962	No						-
Basel Bad BilGenzach - Waldshut	Germany - DE	DB InfoGO AG - 6680	RPC 0	Diversionary Line	\$2550	No						•
Zuickau (Sachs) Hti/Plauen (Vogil) ob Bl	Germany - DE	DB InteGO AG - 6680	RPC 0	Diversionary Line	45142	No		-		•		-
Mizada de Ebro - Logoño	Spain - ES	AD#7 - 0071	RFC 0	Divortiancey Line		No						
Hanadiville of Hers - Hanadiville of	Comercia - The	TH MARTIN ACL. MIND	NHC 0	Disaratement I ma	1132	tao.		*				
249										Barta per page. 1	1 - 100 ef 1720	$I\subset \longleftrightarrow \to H$



9.8 Investment plans

This is an overview of the projects from the perspective of the estimated project budgets. Project data cannot be changed directly in the overview; it is primarily used to sort and filter projects according to various criteria.

Notes	Sections Terminals Life Wapprics - ICM	re-rousing options - Ends Sta	225 v Projects Investment plans Ted Nocides Information Documents Documents							
Comport	sinternation > investment.elans									
INVES	TMENT PLANS (799)									🗄 Colures
Select	Psyled Haree Canel:	Go Lhe Cole	Exectation	Total Dudgel	Project Category	Decision Obits	Project T(ov	Country	N	Troject Over er
		* <u>*</u> E			*		-			•
	Bobadilla Oortoba Automatic Block	2025.12	Sobad la Cortoba Automatic Block (Shifting from Telephonic blocking to Automatic one). Bobad la Córtoba Bloqueo Automático		intrastructure	Secured	main project	Spain ES	ADF 0071	RFO 4
	Implementation of ERTIAS ETCS reverts system on the line section HU RC Bonder - Apat - Kin 614	2023.1z	Importantial on of Ex (INS ET US 1696-2 System		EIGS	Realisation	main project	Romania - 180	CHICSA-0055	1840 /
	Rall Node 21ina	2024.12	Nodemisation of Rail Node Žilina		intrastructure	Realisation	main project	Sicwakia - SK	Z88K - 1156	REC 11
	Poprad - Lučkná	2023.12	Nodemization of section Program-Tatry - Luðwird		intrastructure	Realisation	main project	Slovaka - SK	296K - 1156	RFC 9
	Optimization of the line (Vana- Vysiciliary - Ciclibovice	2025.12	Reconstruction, modernization of the track - technologic state, higher mail, speed.		mastudure	Realisation	main project	Caech Republic - C	z 8202-0064	REC 9
	Works on railway lines no. 14, 811 section toliti Kalaka-Adulfata Wala- Oshina Wikp, stoge I: Ende Kalaka- Zoufeka.	2024.12	The action concess minimum groups and to 100 high for recept livers. The additional of 221 M will be associal, adjustment of the tw for 270 m livers for	c	Intrastructure	Secured	main project	Parand - PL	PRP PLK S.A 0051	IIFC B
	Works on the 5.20 nativay line, Warsow-Promain available - nervolating works, Bachaczew - Bwarzesiz section	2125 12	The action scores increasing the speed up to 120 both for field to instructed up of capacity. The action is 251 kit will be assured		Introduction	Secured	radio project	Poland - Pl	PRP PLK S.A 0051	RFC N
	Works on nalway line no. 6 section Relystok – Sokolon – Kulmica Bialostocka (state border)	2020 12	The action covers increasing the maximum speed up in 150 km/h for height inside. The advised of 221 kM all be assured		Introduction	Secured	ratio project	Poland - Pl	PRP PLR S.A 0051	REG N
	Works on raiway line Warssona Woody-Sandrick Marswiecki (line no 447)	2024 12	The sole load of 221164 will be assured, removal of two bulleties to near Brahoo, increasing the efficiency of 6.65		Introduction	Secured	ratio project	Poland - Pl	PRPIPER S.A 0051	BEC N
	ETCS-equipment. Aschere- Noenchengladbach	2129.12	ETCS explored. Ascher-Moenchargischede rouis 2550 km 6,33 to 63,9		ETCS	Planed	reals project	Gennery - DE	05 M6450 A5 - 0060	RFC 5
	Works on the E-20 nativey line, Startice Texespol section, stage II - LOS Terespol	2025 12	The action covers instanting of mammin speed to insight froms up to CBM hole, adjustment of the line for PAD in their length, shortening of inside the for the destination of devices Technological section.		Intradructure	Secured	ratio project	Poland - Pl	PRPIPER S.A 0051	BEC 0
	Works on Line 575 Barystok - Soucald: Teskierki (state bocker), stage i section Batystor- Ex	2025 12	The action covers increasing of maximum speed up to 100 km/h for height here. The add load of 221 M will be assured, adjustment of the line for 740 m toda length	Ľ	Intradructure	Secured	rasis project	Poland - Pl	PRP PLK S.A 0051	REC N
	Works on F 75 rollway line, seeding Czytzw Blałystok	2125 12	The other cover increasing the quark up to 120 brits for fingly limits. The cale load of 221 Mi will be assured		Inhodraphies	Secured	noin project	Potend - PL	PKP PLK S A - 0061	REG D
	Improving rail access to Galysia Seaport	2022 12	The project includes activities wheel in improve access and inanoticipment expectly of Gebrain Part, Iterargin reclementation, cound under and extension of the raiway infrastructure, serving to create the possibility of servicing growing martime transport with usage of rail transport.	31.7782	Introduction	Registerion	rock project	Poland - Pl	PKP PLK S A - 0061	BPG 5
	Improving the introductors of nati- access to the Gdanek Port	2023.12	The scape of the graph indicates the relevant biointrations of access to the three of detects indices with accesses and one with accesses and one of the detects with accesses and one of the relevant accesses to the scale of the relevant of controls within a control of the relevant of the relevant of controls within a control of the relevant of controls within a control of the relevant of the relevant of controls within a control of the relevant of the	275055	Infrastructure	Resistion	main project	Poland PL	PKP PLK S A 0051	RFC 5
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9.9 Text Modules

9.9.1 Overview of Text Modules

This is the overview of the text modules for structuring and describing the Information Documents



Notes Sections Technolo Has Pergedice V I DV Remarky Options V IFTER Section V Perglams	Investment place Tour Modules Information Decuments Decuments					
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TEXT MODULES (260)					PL Add now	H Ockers
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ETC Mediament	Deer Casterner Serbag, The POF Ne of the Serbag, OD Boat, 5 - Implementation Plan 11 2555 Serbag, can b	2021-02-07	destaunt/lighted to	RPC 6	Public - Headline, Implementation Plan, Henry - Headline, Implementation Plan	18
REC Autor	Dear Casteria: Should you need need intervintentiation in connection with the activities of Gal breght	2020-12-17		RFC H	Public - Headline, Other Information Decamenta, Home - Headline, Other Information Decamenta	08
BTO Medianawan	On the School systems, you can find an everyow of the planning status for infrastructure restrictions	2021-02-02	Construction of the	RPC 6	Public - Headline, Temporary Capacity Restrictions (TCRs), Plone - Headline: Temporary Capacity Restrictions (TCRs)	/ B
RED Modernmean	An infordection to the commonly applicable R. for locarity pl O Carlo available interport 1915, website at 8	2021-02-05	And the second	870.6	Public - Headine, Condor Parlomance, Homa - Headine, Condor Performance	Ø 🗉
FFC Mediananea	 For further and updated information about the Mediterranson RFC please visit us dischargementweits 	2023 03 02	and the second second	RTC 6	 Public Headline: Other Information Decuments, Home Headline: Other Information Documents 	0 B
FFC Overnie Cast Med	In line with the Regulation (EU) 912(2010 and RNE Guidelines for Coordination / Publication of Wor	9834 01 31	feiliget für provereikenis de	RFC 7	Public Headline: Temperary Capacity Resolutions (TCRs) Home Headline: Temperary Capacity Restrictions (TCRs)	Ø 8
Cross border agreements	Cross-border agreements in international rolway traffic border stations play significant role	2021 03 25	deligne or	RFC 11	Public Headline: RFC Antes: Home Headline: RFC Amber	0 B
 Internal Information Documents 	 Information Documents Status, Salass, Root Book for Internal Separt Information Documents/Separt; 	2021 01 09	1000 (000 (000 (000 (000 (000 (000 (000	RFC 1, RFC 2, RFC 3, RFC 4, RFC 5, RFC 6, RFC 7, RFC 8, RFC 9, RFC 10, RFC 11		10
RFC Mediterancen	 Dear Stakeholders Satop, In 2016 European Rail Infrastructure Managers (IMs) agreed on internatio 	2823 01 24	the second s	RFC 6	Public Headline, Renouting Scenarios, Home Headline, Renouting Scenarios	00
RFC Sour Med	ScanWedSchopelnformation DecomentsScripp, Dear Casterner Thank you for variing our Casterner Information	2017 04 11	setting	RFC 3	Public Headline, Other Information Decaments, Hone Headline, Other Information Decaments	0.0
RFC Bultic Advance	 Dear Castamer. Here you can find additional documents for Roll Freight Cantidar Data-Astrone A 	2019 12 04	The second se	RFC 5	Public - Headline, Other Information Decaments, Hume - Headline, Other Information Decaments	00
Taminal Advisory Group	Terminal Advisory Group II you wish to learn more about the function and activities of the Terminal	2017-11-09	Automation of the second se	RFC 1	Public - Houtline, RFC Rhine Alpine - Hame - Houdline, RFC Rhine Alpin	* 🖉 🗉
Framework conditions	 Terminal Advacey Group of the Ball Freight Conicle: BlineSelesp Sedech, Alpine Bobeg, Frenewar 	2019-03-15	NOTING THE	RFC 1	Public - Headline, Terminal Advisory Group, Home - Headline, Terminal Advisory Group	00
Info dous Exhange on ERMAS deployment RPC Rime Alpine	Solvey 2021 Update of ERTWS Deployment Plan in June 2021 an opdate of the documents was located by th	2022-03-16	dim di gassi dalah con	RF0 1	Public - Headline, RFC Rhine Alpine , Hame - Headline, RFC Rhine Alpin	* 🖉 🗉
Rainay Undertaking Advancy Omap	 Bahny Undertaking Advisory Croup II you wait to learn more about the function and activities of: 	2019-03-09		RFC 1	Public - Headine, RFC Rhine Alpine , Hame - Headine, RFC Rhine Alpin	• 2 1
Noting Minister	1840 meeting 402035 stag, took place on 18 October 2025 in Marich. Click&mapphen& nappe download t	2823-11-29	TRUTIN	18FC 1	Public - Headline, Rahmy Underfailung Adeatory Croup, Home - Headline Rahway Undertailung Adelsony Group	00
Hammonk conducts	Rahesy Undertaking Adexory Croop of the Paul Freight Condor 1 Manu-Alpine Sology Francesco	2019-09-09	sught w	18-C 1	 Public - Headline, Idaheay Underfailing Advancy Group, Home - Headline Ballway Undertailing Advancy Group. 	00
European Context	The EU Regulation STA2310 concerning a European rad network for competitive fields can be develop	2019-03-16	ST DOWN	1801	Public - Heading, RFC Ring-Alping , Harns - Heading, RFC Ring-Alpin	* 🖉 🗊
Neting Minutes	 Hwikitsp, Immund Admiry Group Neeling took place on 24 March 2021 as an adding joint meeting tone. 	2022-07-05	CHURN .	IBG 1	Public - Headline: Terminal Advacry Group, Home - Headline: Terminal Additional Science	10
10-C Balac-Adminis	Dear Castomers and Factores Balloc-Adnatic Rail Freight Comtor just published its Researchine p.C.	2025-19-09	NEW ALL STREET	IBC 5	Public - Headline: Reserve Capacity Offer 11 2524, Home - Headline: Reserve Capacity Offer TT 2024	08
IP-C Sour Med	Subag, Sabag, As mentioned in CD section 4.5.3, the details on the implementation of the Handbe	2020-12-01	ាដដ្ឋាត.ស	IBC 3	Public - Headline: Re-rocking Scientifica, Horte - Headline: Re-rocking Scientifics	18
9 selected entities					Bernsternet 10 + 1 million 10 0	\rightarrow \rightarrow

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 text block can be created. A detail dialogue is opened.

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



Export to EXCEL selected text blocks can be exported to an Excel-file

9.9.2 Add new Text Module



By clicking Add new, you are adding a new text module. First assign it to the Corridor, provide a Headline and a content. Once it is completed, and before the Text Module can be assigned to a book, it is required to Save it first.

	[]] Topolog	y L Corridors Information	RFP Information	CRD (③) Settings
Nodes Sections Terminals Line Properties V ICM Re-routing Options V ETCS Status	 Projects Investment plans 	Text Modules Information Documen	ts Documents Statistics	
Corridors Information > Text Modules > Text Modules				
CREATE NEW TEXT MODULE				
Corridors				
			te Curvisier us - Baltic	Apine-Western Balkan Apine-Western Balkan
At least one corridor must be selected!				
Text Module				
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Insert text here				
Last Edit Date Last Edited By				
4				
Save Cancel Reset				

9.9.3 Text Module Details

If you edit a text module or create a new one, a detail dialog opens to enter the data of the text module. The central part of the dialog is an HTML editor which can be used to create the text in a graphically appealing way, including images, links, etc. The assignment to specific corridors or books is also carried out in this dialog window.



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9.9.4 Assignments to books

Editing a created assignment or creating a new assignment ("add new") opens a dialogue, by means of which the text module can be assigned to it:

Book Details - RFC Mediterranean	
Wome O Public	
Parent Book ID	
Suh Order *	
	Add Book Cancel

The user may differentiate an assignment to public or internal book, respectively. In the upper example, the text module was assigned to both public and internal book which is shown by the 2 entries. If the assignment is to a public book, it will be displayed in the public presentation layout of CIP. If Home is selected, it will only be displayed internally in Corridor Information section in RIS.



The Parent Book ID assigns the text module as a chapter of the book or assign it to another text module already contained in the book, thus creating a subchapter of this module. The Sub Order defines the display order of the current text module within the book. You can steer the hierarchy of the text modules shown under the parent document by using an index.

9.10 Information Documents

This section shows the corridor information structured in books. This hierarchical information tree is made up of the text modules and their assignment to books. By selecting specific corridors, the information tree can be restricted to corridor-specific information. In the bottom left-hand section, the information tree is organized hierarchically by book. As soon as a book is selected, the corresponding assigned text module is displayed on the right.

If you want to edit the text module, the application automatically jumps to the detailed view of the text module where the changes can be made.

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> Comdor Performance												
 Annual Reports 												
> User Salisfaction Surveys												

9.11 Documents

Like Information Documents, corridor-specific documents can be managed in the application.



9.11.1 Overview of documents

Here too, organisation of documents is carried out using a hierarchical folder structure, which can be adapted or extended in the application. The corridor specific folder and also its documents can be shown and hidden by selection of respective corridors.

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In the above example you can see the organization of the first Chapter: "Administrative Documents". This chapter does not directly contain any documents but a subfolder. Both the directly assigned documents and subfolders are depicted in the right part of the screen. New documents can be added or deleted from this folder. The same for subfolders: new subfolders can be created or deleted from the currently selected folder.

9.11.2 Document details

If you select a specific document the detail of a document is shown



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The user can adapt metadata and update the respective document.

9.12 How to publish a document?

Documents from the Documents area can be published in Information Documents via hyperlinks.

This is done as follows:

- 1. Open Document Details screen as described in the previous chapter. Press Copy link
- 2. Goto Information documents and open the respective section. Right to that the data are shown as represented to public users:

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3. Mark the text to which you want to add the hyperlink.

- 4. Press the Link-Symbol (*) and paste the link you copied before in the document details screen by means of CTRL-V on the keyboard
- 5. Save the Text

The document should be downloaded on clicking on the respective link of the text.

9.13 Statistics

This menu shows an overview of different KPIs of CIP-usage, like login-frequencies, page requests, which line properties where selected the most, etc.

Nod	s Sections Terminals	Line Properties \lor	ICM Re-routing Options \lor	ETCS Status \sim	Projects In	nvestment Plans	Text Modules	Information Documents	Documents	Statistics F	cilities						
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	Public Authority		0								Inform	nation Documents					12.33
	Service Facility / Last mile		0				52 Terminal						551		6.21		
	Infrastructure Manager / AB		0				1240	1240									
	Research Institution 0				315												
	Other		0				1219										
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	Value				Count						Value				Count		
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	Infrastructure Manager				185						RFC 2	2			1951		
	RFC Line Category				167						RFC 3	3			2248		
	Line Category (Load Model)				144						RFC 4	4			1914		
	Traction Power				144						RFC 5	5			2231		
	Signalling Groups				101						RFC 6	6			2235		
	Intermodal Freight Code				105						RFC 7	7			2226		
	Gauging				68						RFC 8	8			2157		
	Gradient Dir 1				65						RFC 9	9			2360		
	Gradient Dir 2				52						RFC 1	10			1974		

9.14 Service Facilities

9.14.1 General

It is possible to assign Service Facilities to CIP Public Map. It allows authorized users (typically corridor administrators) to manage which service facilities appear in the public CIP map.

9.14.2 Display of Service Facilities in the Public Map

- Activation: A new toggle labeled "Show Service Facilities" is available in the left-hand side menu
- Visualization:



- Facilities are displayed with type-specific icons (e.g., maintenance, loading areas).
- When activated, all facilities are shown on the map with name and location.
- Interactive Behavior:
 - Hovering over a facility displays a tooltip with its name and type.
 - Clicking on a facility opens a detailed panel on the right with more information.

9.14.3 Grid View: Managing Service Facilities

Access via Menu: Corridors Information → Service Facilities

- A new grid lists all **active** service facilities available for assignment to Public Map.
- Access to this grid is restricted by user role (e.g., Corridor Admin).
- Grid features:
 - Sorting, filtering, and paging
 - Filtering by: Visible in Public CIP (Yes/No)
 - Full-text search (by name, type, operator, etc.)
 - Export to Excel (reflecting the current filter state)

9.14.4 Assigning Facilities to CIP Corridors

Action: "Show/Hide Facility in Public CIP Application"

- Each row in the grid comprises this action button (visible only to authorized users).
- Clicking this button opens a dialog: The visibility in Public CIP Application can be turned on / off

10 ETC information

ETC information is structured in the same way as corridors information but includes at the moment the management of ETC nodes and ETC sections which can be managed independently from corridors information.