

TENtec OMC ver. 4

M 4.07



Table of contents

Table of contents:

- 1. Scope off the document (3)
- 2. What is TENtec (4-7)
- 3. Two faces of TENtec: Public Portal & Private Portal (8-9)
- 4. Open Method of Coordination (10-11)
- 5. OMC Version 4 (12)
 - A. New functions of the OMC Version 4 (13)
 - B. Roles in OMC (14)
 - C. Exercises in the OMC (15)
 - D. The main workflow in the OMC (16)
 - E. How can I access OMC? (17)
 - F. OMC Welcome screen (18 -19)
 - G. Maps (20 31)
 - H. Section list (32-40)
 - I. Section details (41 51)
 - J. Exercises (52-69)
 - a. Selection of parameters (54)
 - b. Overview of elements (55-56)
 - c. Parameter Form (57-58)
 - d. Data Value Frame (59-63)
 - e. Action Buttons (64-65)
 - f. Bulk edition (66- 67)
 - g. Cancelation of current edition (68)
 - h. Parameter Information (69)
 - K. Administration (70)
 - L. Contact details (71)



Scope of the document

Scope of this document is to provide end users that are reporting data about technical characteristics and use of the TEN-T infrastructure to the TENtec system with quick and easy guide how to use the dedicated software within the TENtec system that is called OMC.

Starting with short general introduction about TENtec this manual will explain functions of the OMC software and guide through different scenarios of data recording.







What is TENtec?

TENtec is the European Commission's information system to coordinate and support the Trans-European Transport Network Policy (TEN-T) in context of two main aspects:

management of policy-related information where TENtec enables efficient storing and managing technical, geographical and financial data for the analysis, management and political decision-making related to TEN-T and the Connecting Europe Facility (CEF).

<u>support to the grant management</u> of TEN-T projects managed by the Innovation and Networks Executive Agency (INEA).



What is TENtec?

TENtec links geographical information (GIS)* and parameter data (Oracle)** of the TEN-T infrastructure and enables the European Commission to easily compile information and create timely reports & maps.

* Contains information about TEN-T Comprehensive Network, Core Network, Core Network Corridors (CNC)

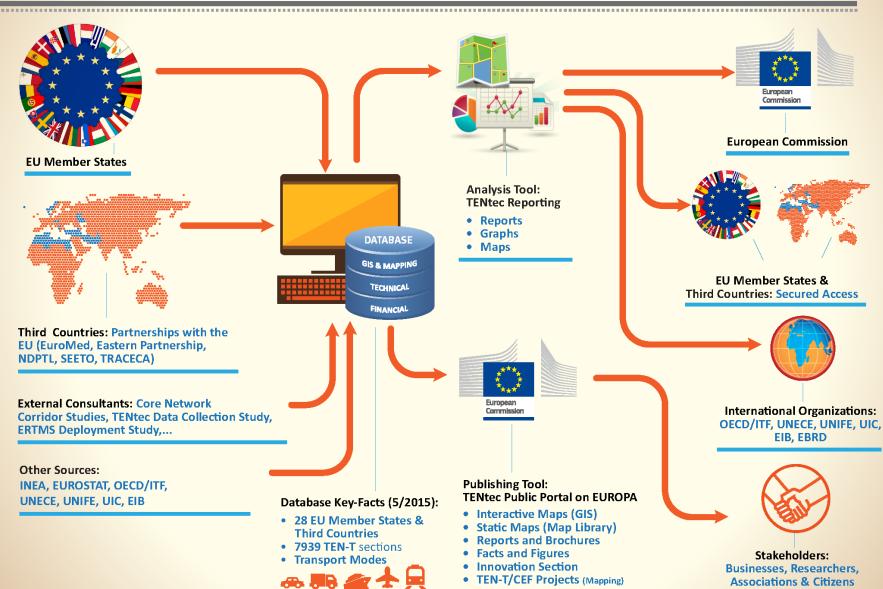
** contains information about values for specified parameters of the TEN-T infrastructure and structured by following criteria: Technical / Financial parameters, Section by section, Year by year, Validation workflow

For more details about the system and the legal background please follow the link to the TENtec Public Portal:

http://ec.europa.eu/transport/infrastructure/tentec/tentec-portal/

TRANS-EUROPEAN NETWORK FOR TRANSPORT

Data Sources Data Warehouse Dissemination Users





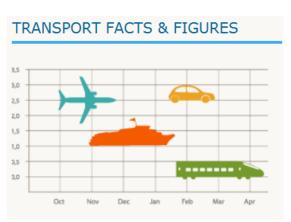
Two faces of TENtec

HOME ABOUT TEN-T INTERACTIVE MAPS CONNECTING EUROPE NEWS TENTEC FUNDING MEDIA CORNER USEFUL LINKS

Public Portal:

The Public Portal provides a comprehensive overview on the European Commission's work in relation to the Trans-European Transport Network (TEN-T) and aims to raise citizens' awareness of the benefits of the TEN-T policy development.









Two faces of TENtec

Private Portal

consisting of two main modules:

OMC (Open Method of Coordination) is used to collect and continuously update on a section basis technical and financial data for the entire TEN-T. OMC offers interactive multifunctional maps that include thematic layers, base maps, search engine, print outs etc. Pre-defined validation workflows ensure that data input and validation happens in close collaboration with Member States.

<u>iReport</u> is used for the management of financial data collection to generate the annual "Progress Report on the implementation of the Priority Projects".



Open Method of Coordination (OMC)

The open method of coordination (OMC) in the European Union may be described as a form of 'soft' law. It is a form of intergovernmental policy-making that does not result in binding EU legislative measures and it does not require EU countries to introduce or amend their laws.

The OMC was defined as an instrument of the Lisbon strategy (2000) and has provided a new framework for cooperation between the EU countries, whose national policies can thus be directed towards certain common objectives. Under this intergovernmental method, the EU countries are evaluated by one another (peer pressure), with the Commission's role being limited to surveillance.



Open Method of Coordination (OMC)

The OMC is principally based on:

jointly identifying and defining objectives to be achieved (adopted by the Council);

jointly established measuring instruments (statistics, indicators, guidelines);

benchmarking, i.e. comparison of EU countries' performance and the exchange of best practices (monitored by the Commission).

In context of the European Commission's TEN-T policy this approach means specifically that all key stakeholders of TEN-T contribute and also benefit from the TENtec Information System hosted and developed by the European Commission.

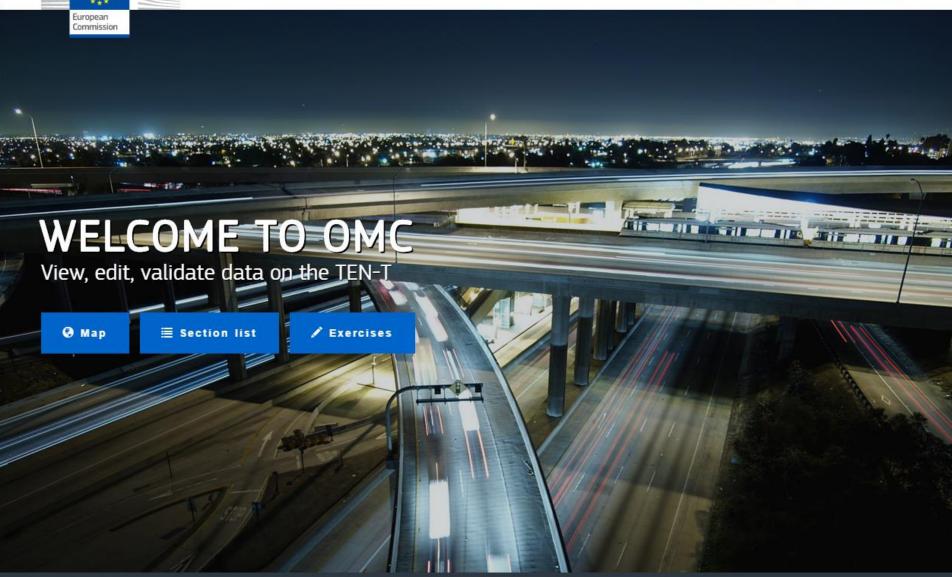








ATRAINING OMC





New functions of the OMC Ver. 4

- New, more functional user interface
- Change to the validation workflow
 Parallel workflow, with "approval stamps" from validators
- Interactive Data Input Interface
 →No more Excel bulk upload
- Display parameter data on maps directly in OMC
- Change to the parameter storage approach
- Change to the access rights



Roles in OMC

General OMC roles:

- User: Can access and edit the predefined content.
- Admin User: Can define exercises and manage access rights of users

Roles for predefined exercises:

- Editor: Can edit parameter values within exercises
- Validator (under development): Can validate encoded data



Exercises in OMC

The OMC works with two types of exercises:

- General Exercise
 - Normally Open-ended
 - One MS (or one Corridor)
 - One Transport Mode
 - All Years

Study Exercise

- Normally Limited in time
- Set of MS (and/or Corridors)
- Set of Transport Modes
- Selected set of Parameters
- Selected set of Years



The main workflow in OMC

- 1. Data encoded by the member state delegates or contractors
- 2. Pre-validation of the by specified institution or contractor that is different from the one that has recorded the data.
- 3. Validation by the Member State
- 4. Confirmation by the European Commission

New data becomes visible to "others" (OMC Readers) only after completion of the full workflow.



How can I access OMC?

- You have to own an ECAS account*
- 2. Use the link to the TENtec Private Portal: https://webgate.ec.europa.eu/tentec
- 3. Select the link to OMC4:



* The procedure of the registration to ECAS is described in the manual "Registration to ECAS and to the TENtec Modules for external users" published at the bottom of the following web site:

http://ec.europa.eu/transport/infrastructure/tentec/tentec en.htm

OMC4 User Welcome Screen









ITRAINING OMC

WELCOME TO OMC

View, edit, validate data on the TEN-I



■ Section list

/ Exercises

Display
TEN-T sections
on the map

Display
TEN-T sections
as a list

Display ongoing data collection exercises









Link to the main page of the **OMC**

Link to the main page of the

TENtec Private Portal Contact to the

TENtec Helpdesk Team

username of the logged in user



@ Мар

■ Section list

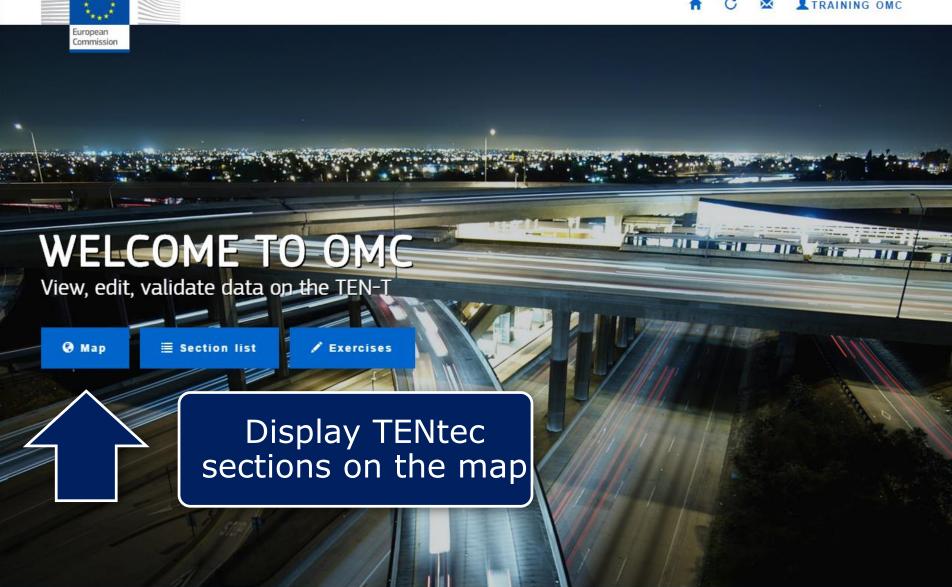
/ Exercises

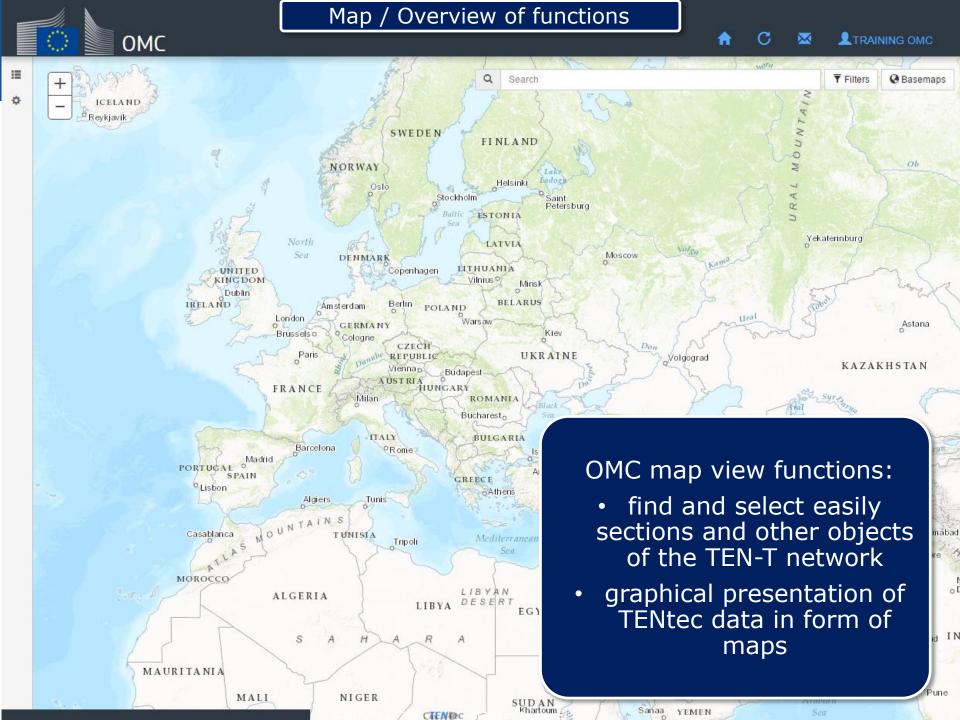




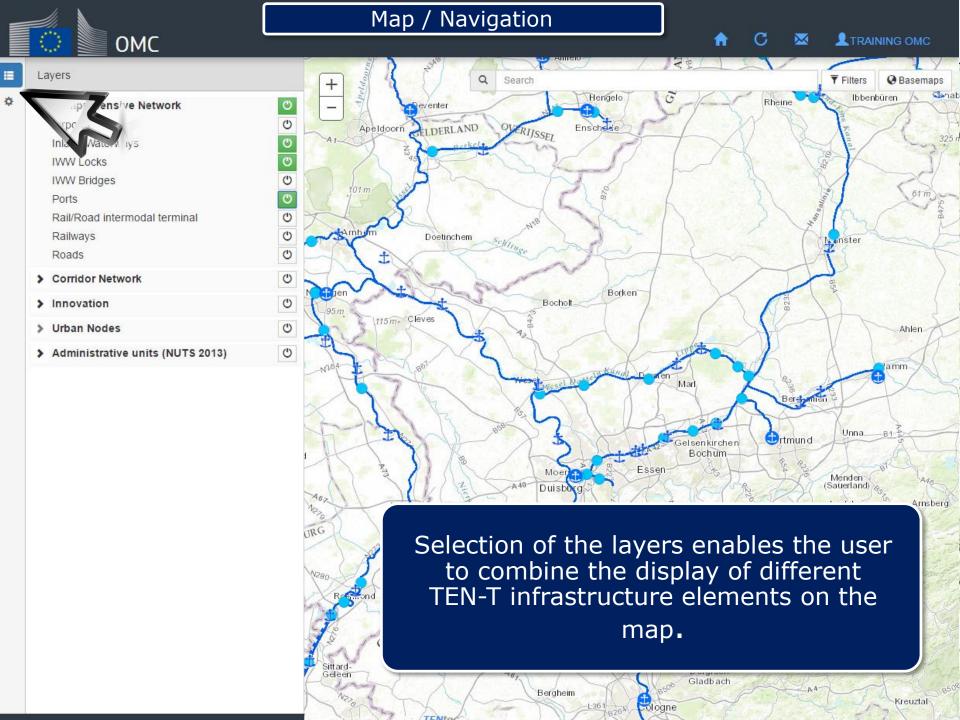


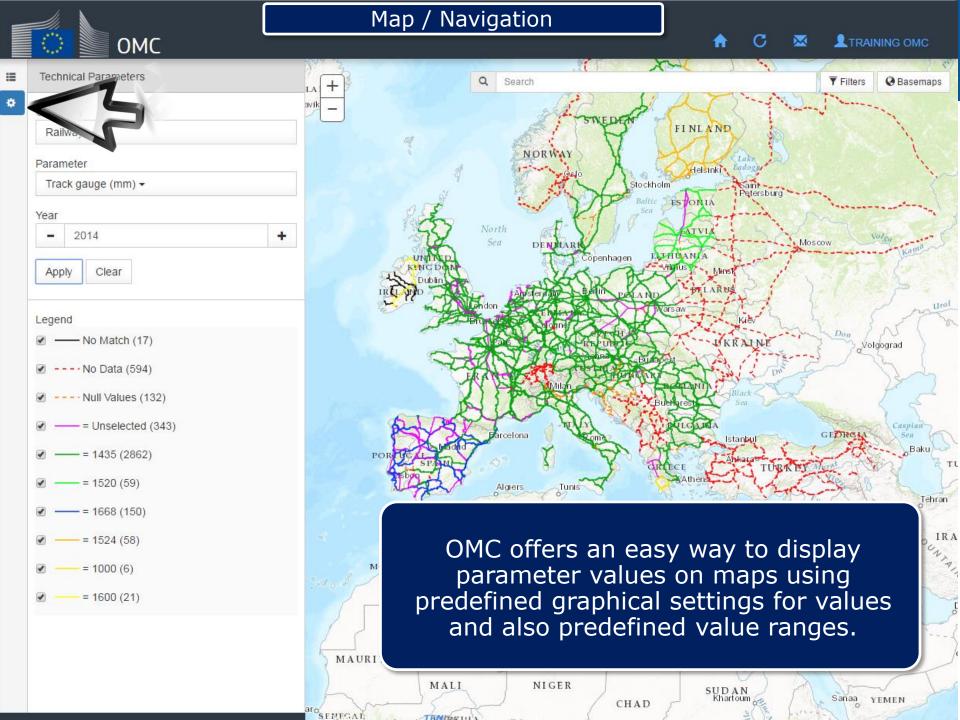


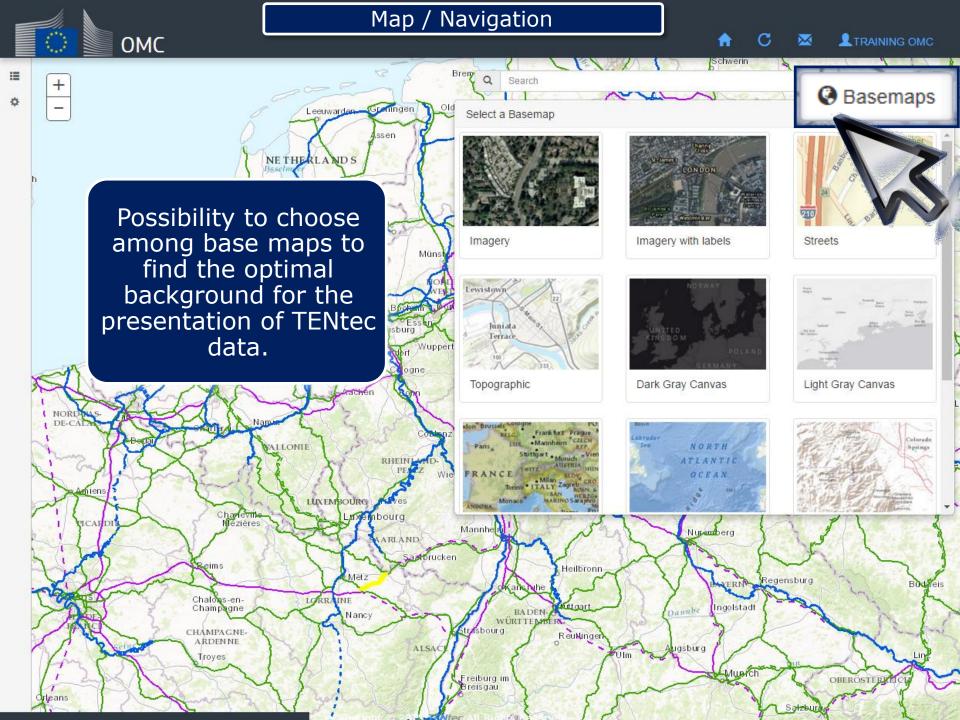


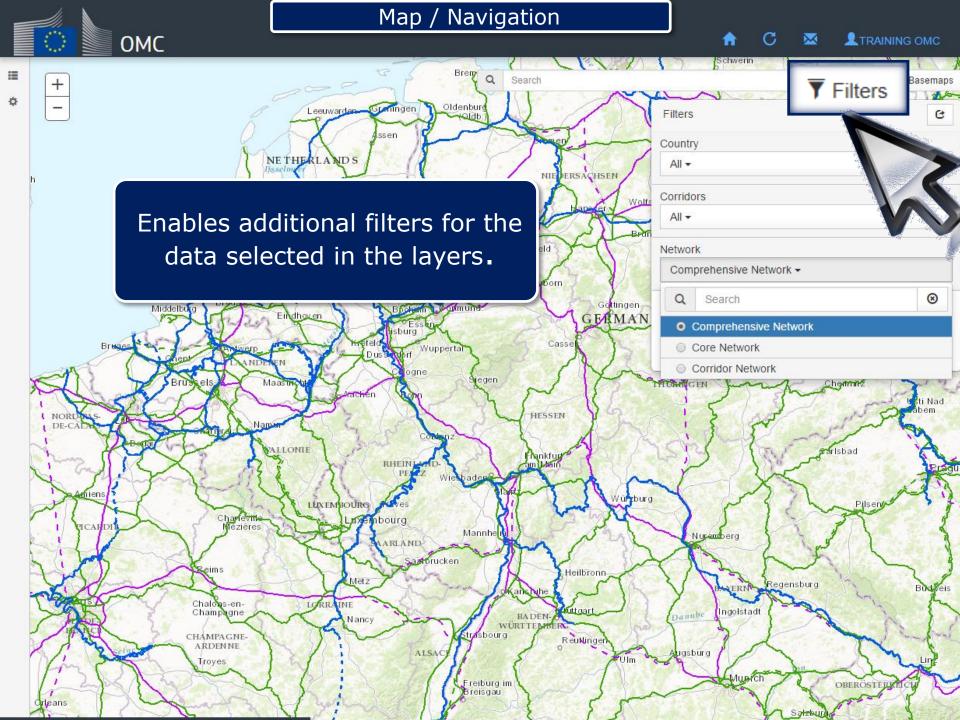


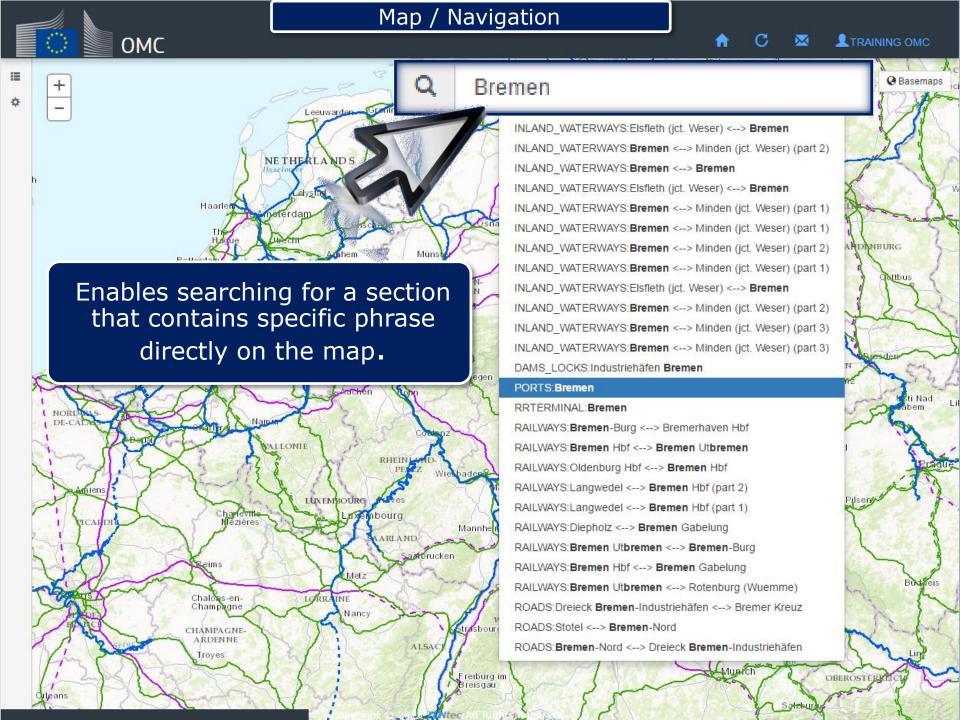


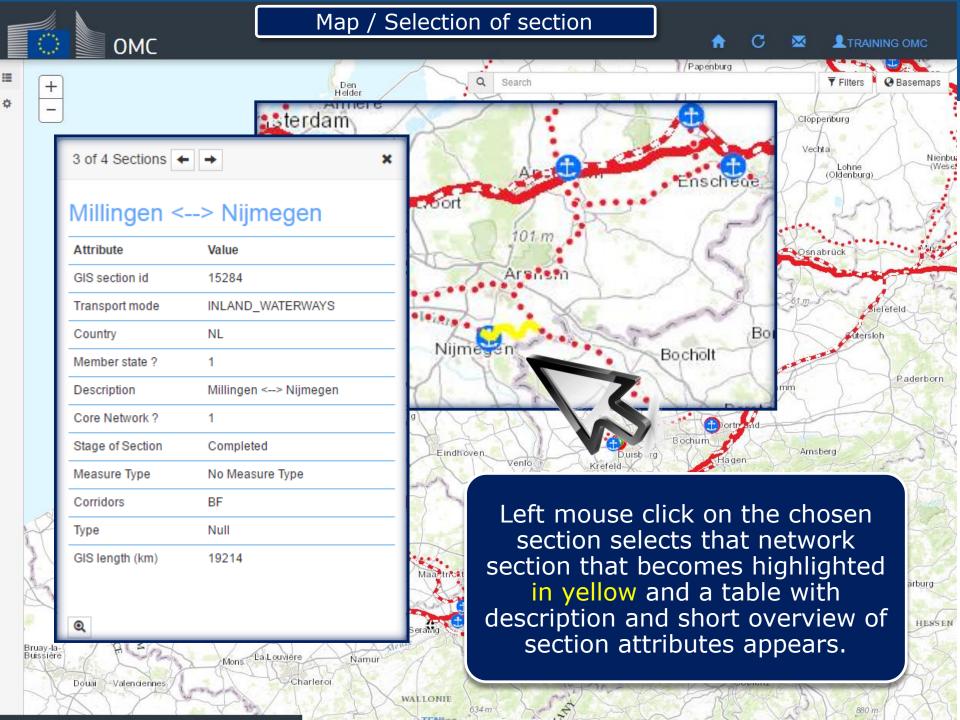


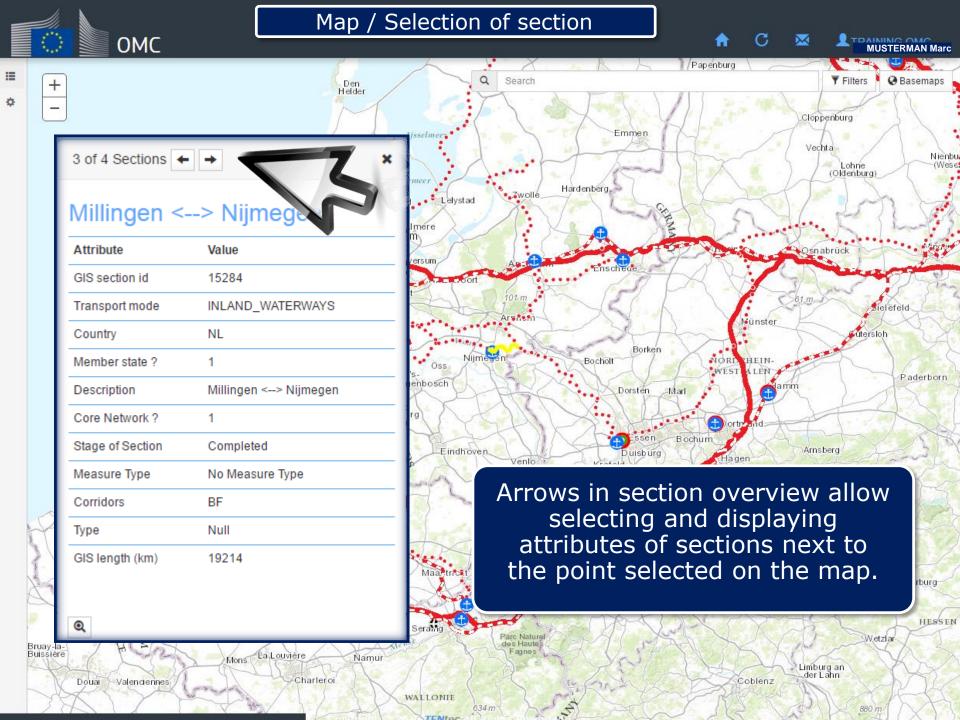


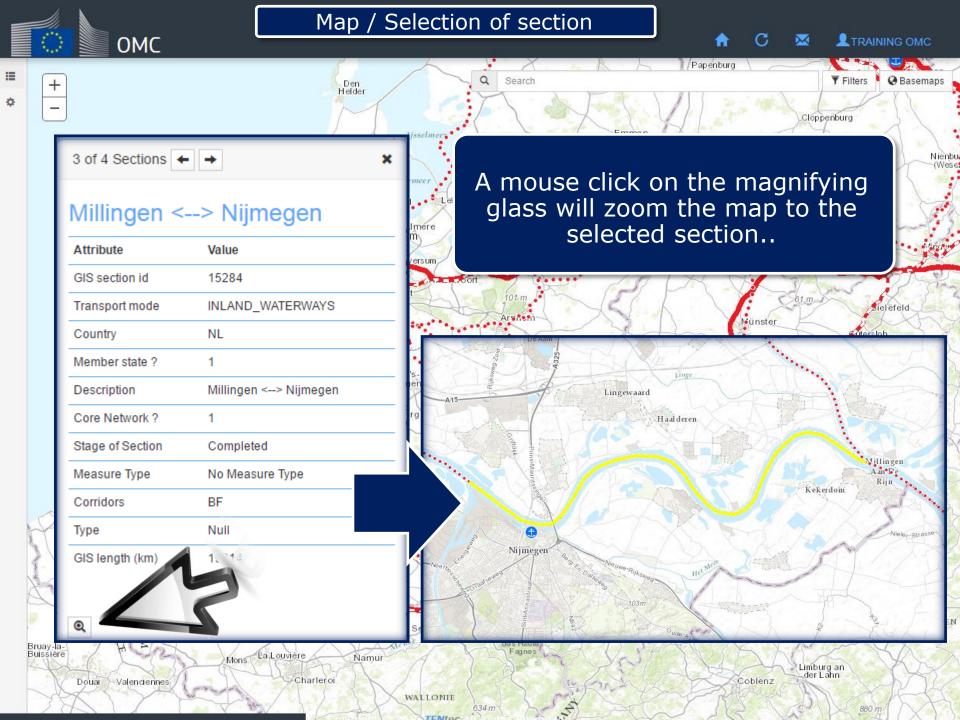


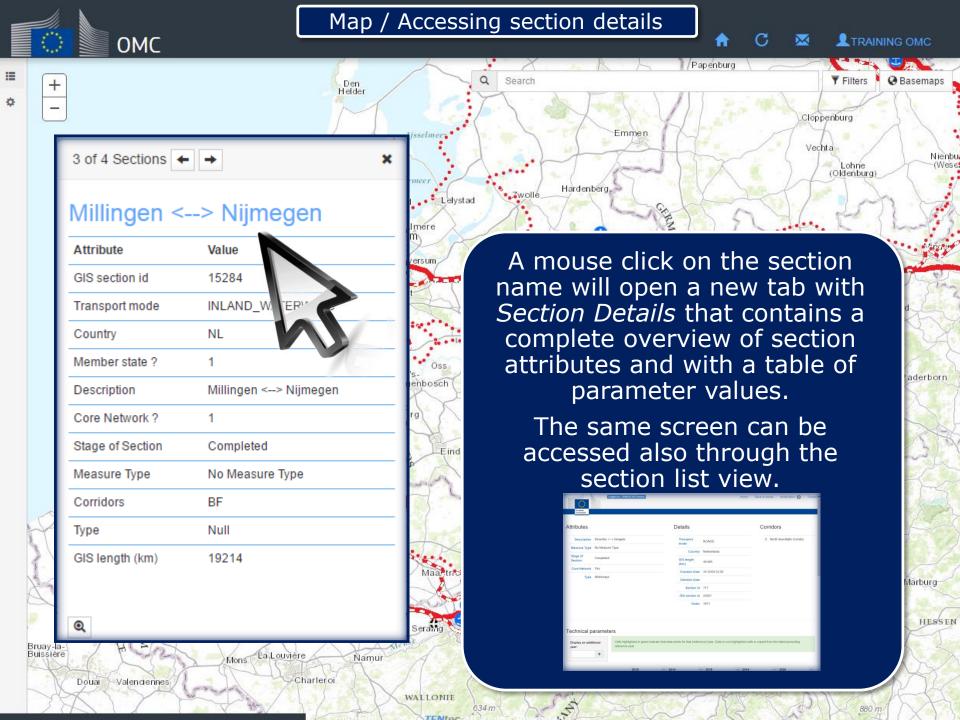




















ATRAINING OMC



ОМС

Record filters

Transport Mode

Corridor

Country

Description

Gis section ID

Editor code

Filter

Corridor network

Core network

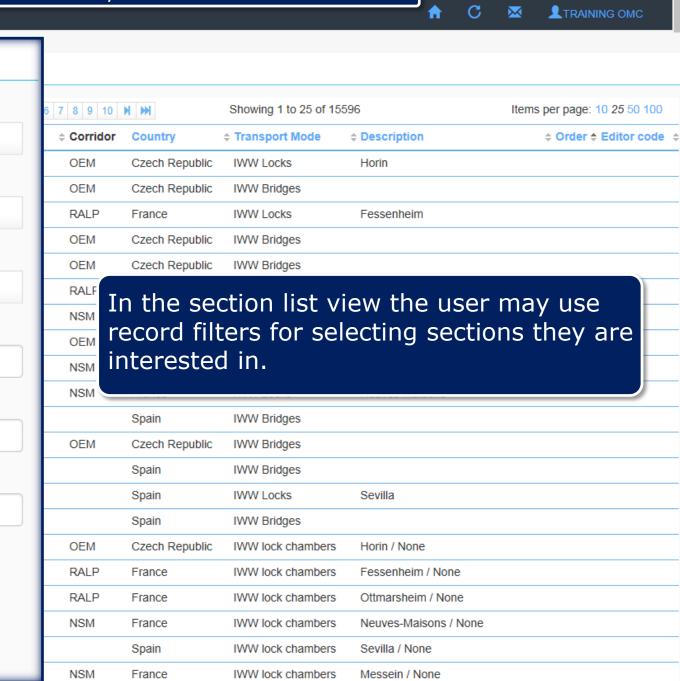
Deleted section

Choose One ▼

Choose One ▼

Choose One ▼

Section list / Selection of sections



Section list / Selection of sections

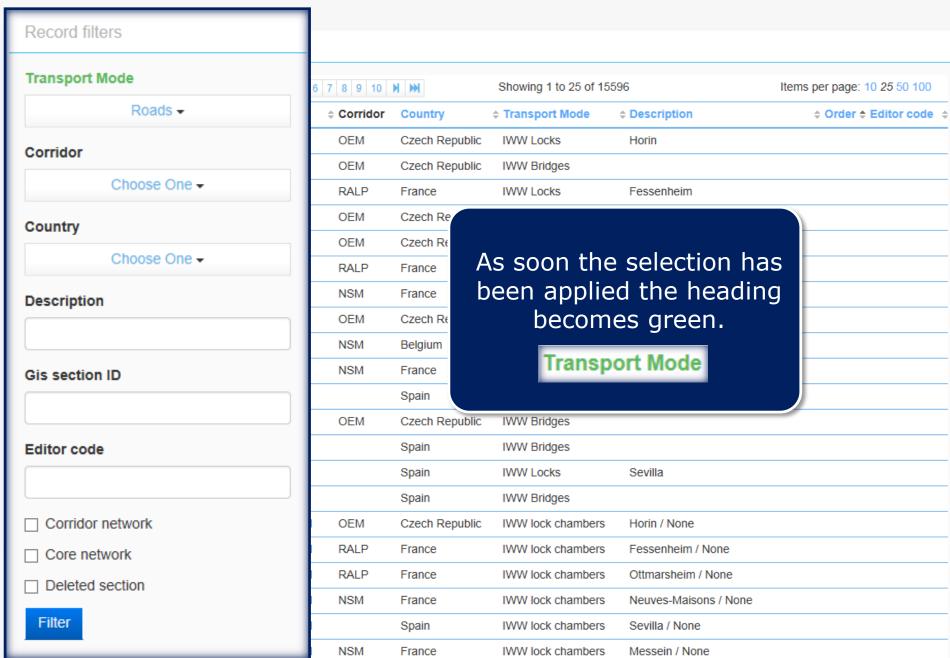














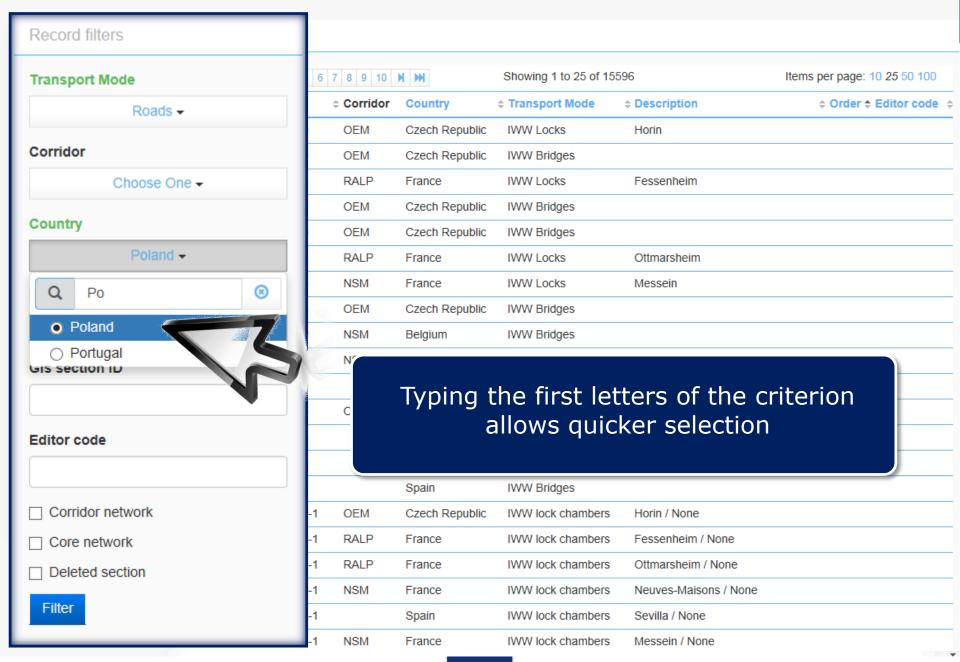
Section list / Selection of sections







▲TRAINING OMC





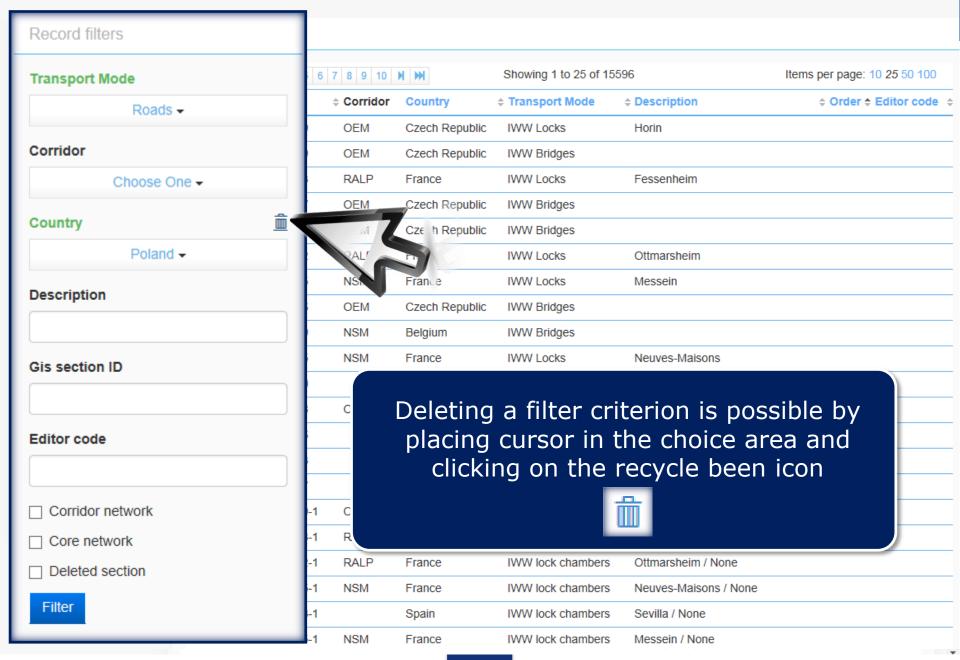
Section list / Selection of sections

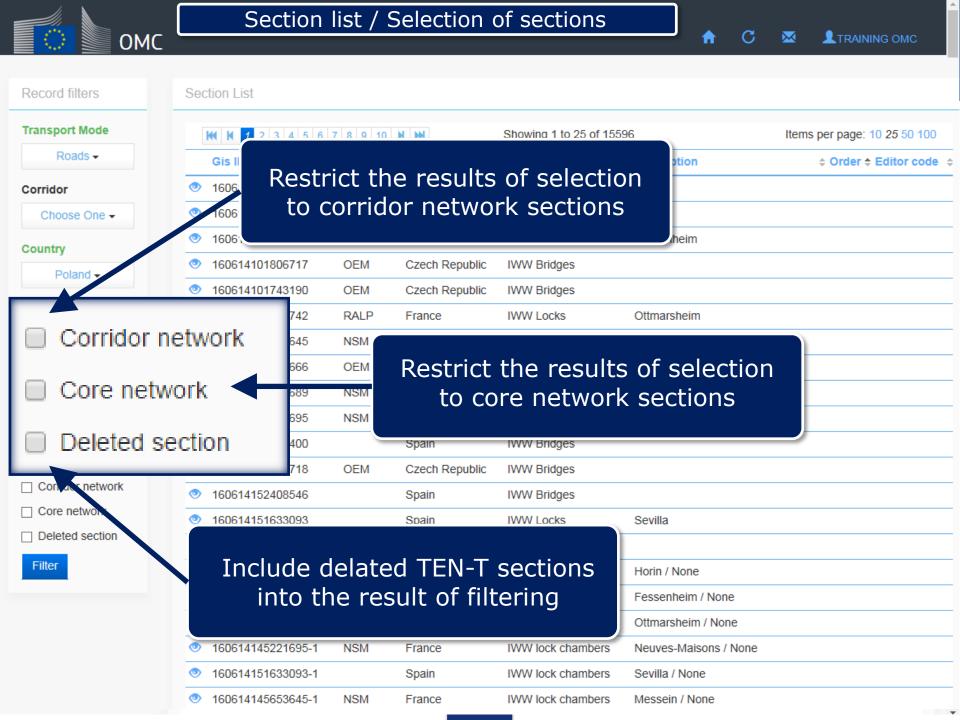






■TRAINING OMC







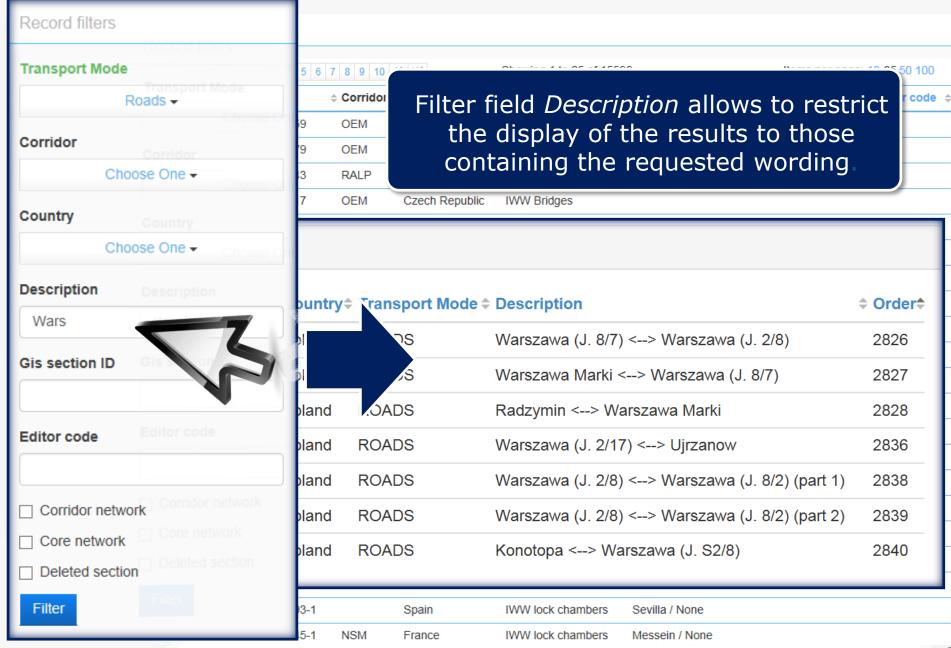
Section list / Selection of sections







■TRAINING OMC





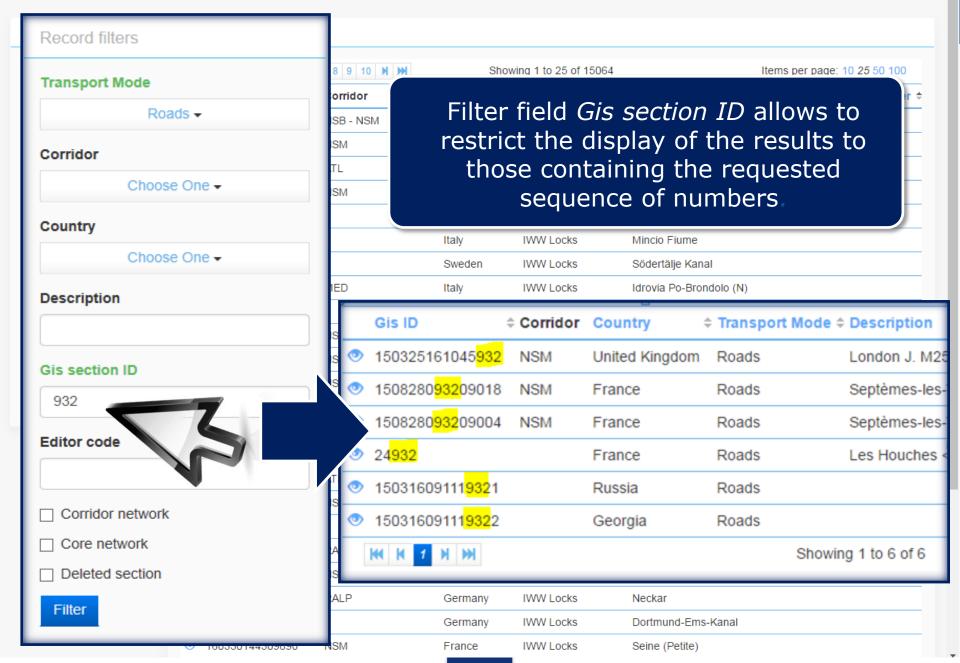
Section list / Selection of sections







TRAINING OMC



Section list / Selection of sections Record filters

Transport Mode

Corridor

Country

Description

Gis section ID

Editor code

Filter

Corridor netwo

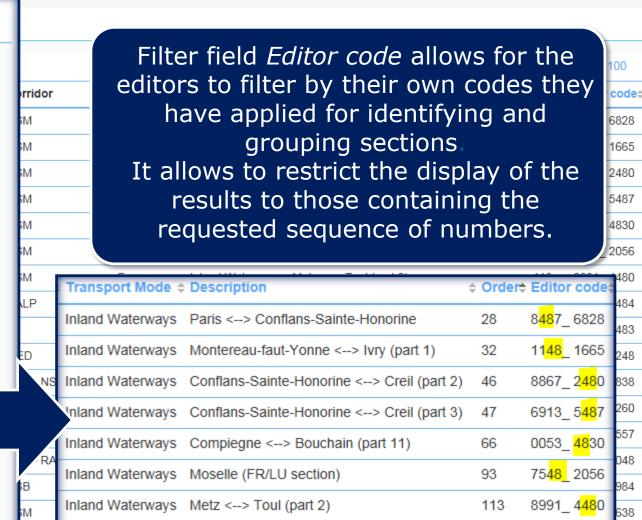
Core network

Deleted section

Inland Waterways -

Choose One ▼

Choose One ▼



Inland Waterways Strasbourg <--> Gerstheim

Inland Waterways Governolo <--> Sustinente

Inland Waterways Hellevoetsluis <--> Hoogyliet

Inland Waterways Piacenza <--> Pavia

■ TRAINING OMC

3086 9484 897

1240 1<mark>48</mark>3

8388 8248

0670 4838

166

180

186

236



Section list / Selection of sections





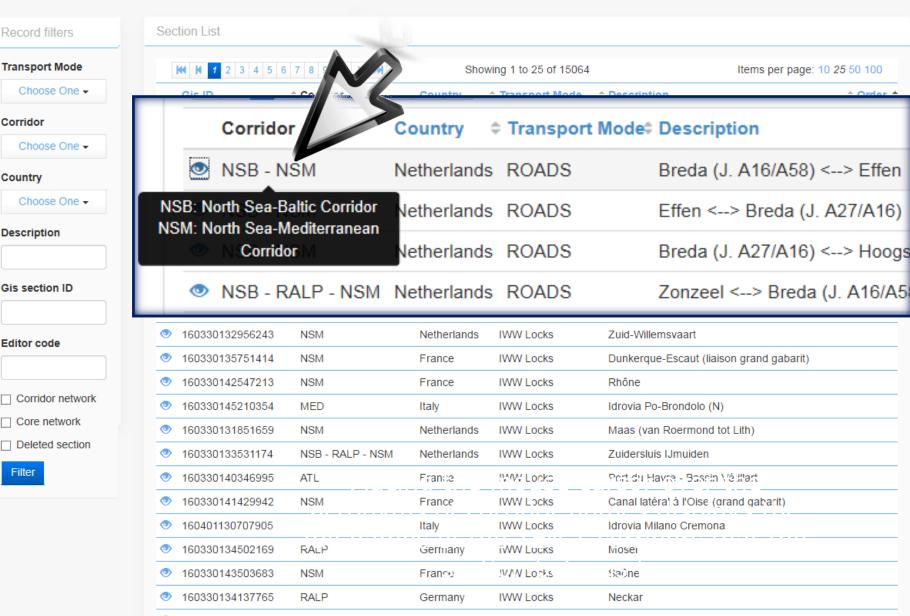




160330134718236

160330144309890

NSM



Germany

France

IWW Locks

IWW Locks

Dortmund-Ems-Kanal

Seine (Petite)



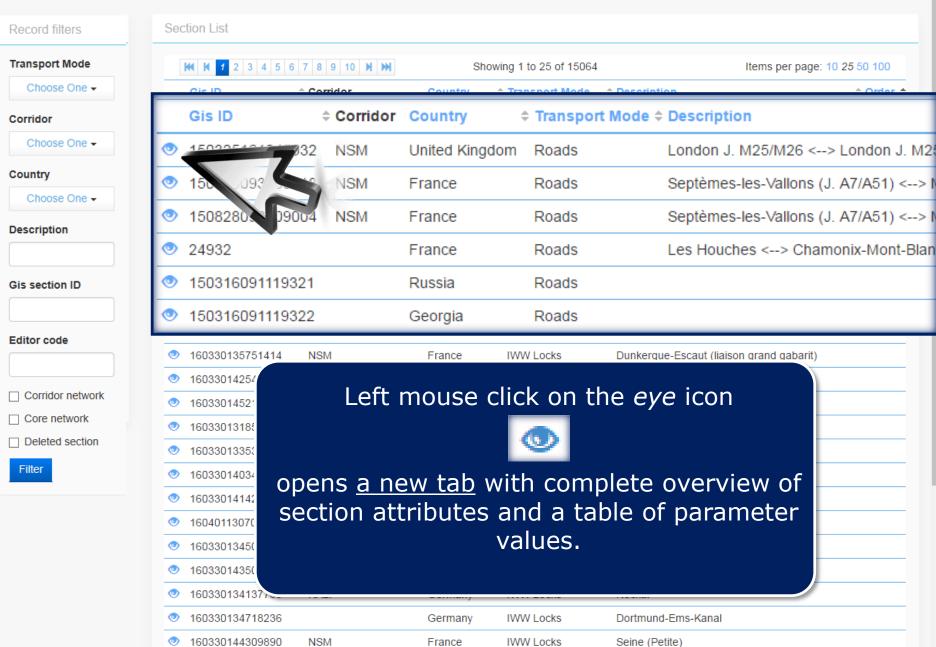
Section list / Accessing section details













Section details







▲TRAINING OMC

Attributes

Description London J. M25/M26 <-> London J. M25/A2 (part 1)

Measure Type No Measure Type

Stage of Section Completed

Core Network Yes

Type

Details

Transport mode	Roads
Country	United Kingdom
GIS length (km)	12.256
Creation Date	3/25/15 4:10 PM
Deletion Date	
Section id	6180649
GIS section id	150325161045932
Order	104
Editor code	8487_6828

Corridors

NSM North Sea-Mediterranean Corridor

2002 0.0

2002 No

2002

2002

Technical parameters



Total Hour Capacity Backward (Cars per hour per lane)

Freight traffic flow (tons per year)

Freight traffic flow (trucks per year)

Percentage of heavy goods vehicles (%)

Passenger traffic flow (pax per year)

Passenger traffic flow (cars per year)

Number of fatal accident

Part of a tolled road

0.0

0.0

0.0

0

No

200

²⁰⁰² No

Cells highlighted in green indicate that data exists for that (reference) year. Data in non-highlighted cells is copied from the latest preceding reference year.

	2011 -	- 2	2015 -	2016	-	2017 -	2021	-
Туре	Motorways 20	2002	Motorways 2002	Motorways	2002	Motorways 2000	Motorways	2002
Lanes forward	6	002	3 2014	3	2014	3 2014	6	2020
Lanes backward	6	1002	6 2002	6	2002	6 2007	6	2002
Design speed (km/h)	113.0	002	113.0	113.0	2002	113.0	113.0	2002
Long. Gradient (%)	5.0	2002	5.0	5.0	2002	5.0	5.0	2002
Max permitted weight for vehicles (tons)	0.0	2002 (0.0	0.0	2002	0.0	0.0	2002
Max axle load (kN)	0.0	007				i		
Total Hour Capacity Forward (Cars per hour per lane)	0.0	00	OMC sec	tion dataile	c	displays for	a TFNLT	

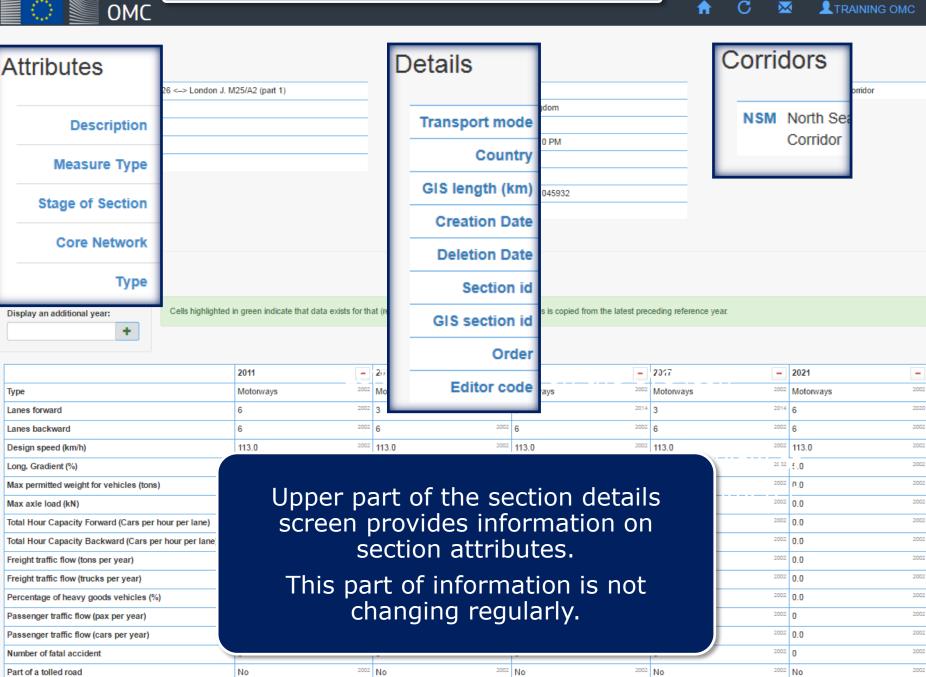
2002 0.0

²⁰⁰² No

OMC section details displays for a TEN-T section all attributes and all parameter for selected years



Section details / Overview





Section details / Technical parameters







▲TRAINING OMC

Attributes Details Corridors

Description London J. M25/M26 <--> London J. M25/A2 (part 1)

Measure Type No Measure Type

Stage of Section Completed

Core Network Yes

Type

The lower part of the section details screen provides information about technical parameters and parameter values by year.

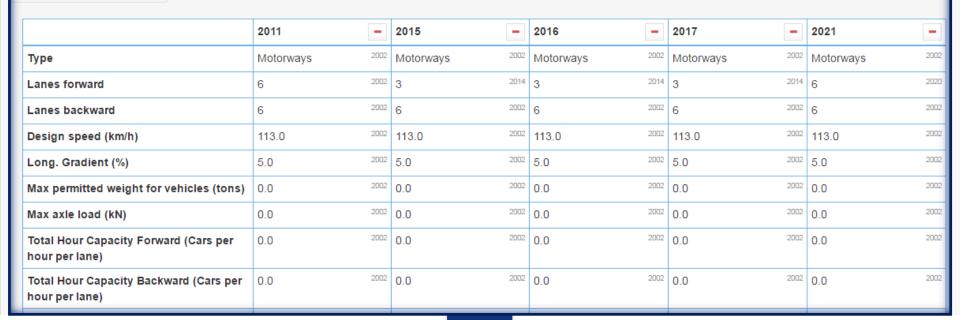
GIS section id 150325161045932

Order 104

Technical parameters

Display an additional year:

Cells highlighted in green indicate that data exists for that (reference) year. Data in non-highlighted cells is copied from the latest preceding reference year.



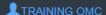


Section details / Technical parameters









Attributes Details Corridors

Description London J. M25/M26 <--> London J. M25/A2 (part 1)

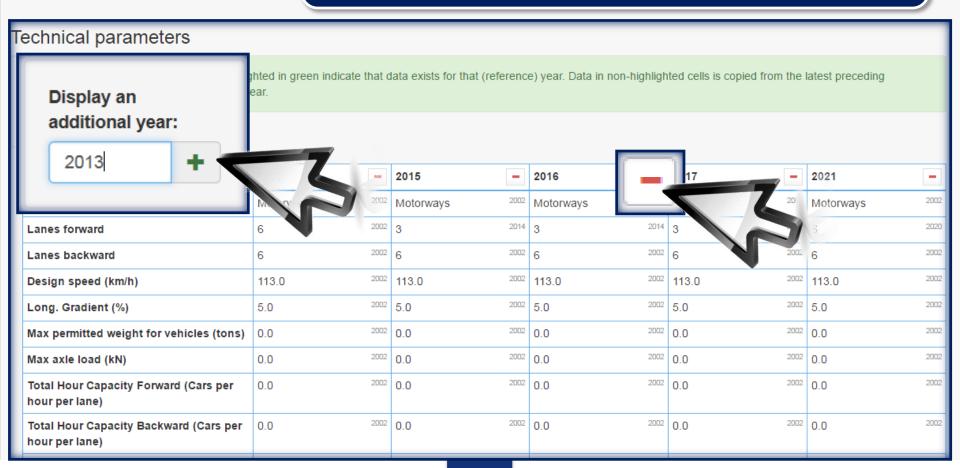
Measure Type No Measure Type

Stage of Section Completed

Core Network Yes

Type

User can add values for a specific year by typing the year and clicking on the plus sign or hide values for specific years by clicking on the icon with minus sign.





Stage of Section Completed

Core Network Yes

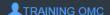
Type

Section details / Technical parameters









Attributes Details Corridors Details Corridors Cells highlighted in green indicate the content of the cont

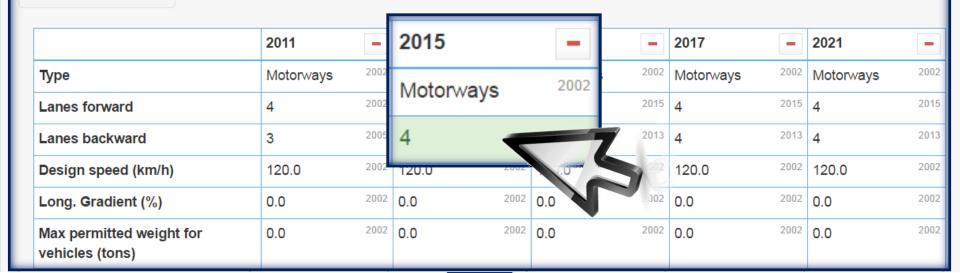
Cells highlighted in green indicate that values have been entered that (reference) year.

Data in non-highlighted cells is copied from the latest preceding reference year.

Technical parameters

Display an additional year:

Cells highlighted in green indicate that data exists for that (reference) year. Data in non-highlighted cells is copied from the latest preceding reference year.





Section details / Technical parameters









Attributes Details Corridors

Description London J. M25/M26 <--> London J. M25

Measure Type No Measure Type

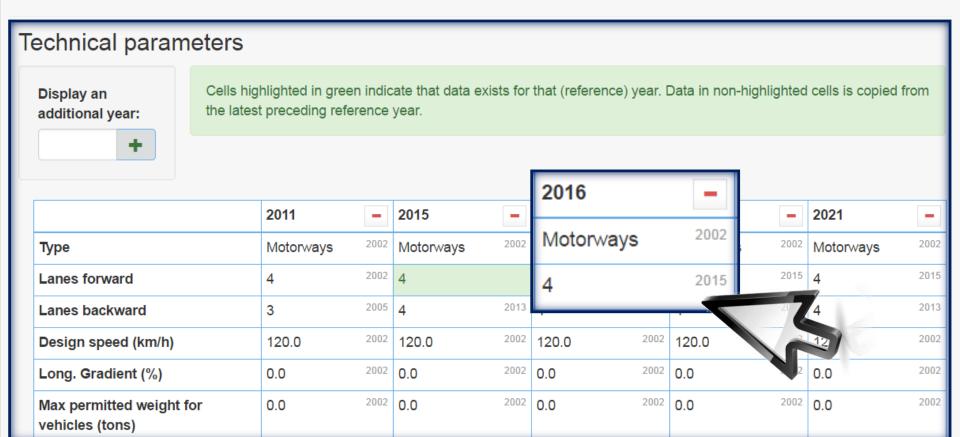
Stage of Section Completed

Core Network Yes

Type

Data in non-highlighted cells is copied from the latest preceding reference year.

A year displayed in the cell with value is the reference year when the value has been entered into the system



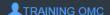


Section details / Technical parameters









Attributes Details Corridors

Description London J. M25/M26 <--> London J. M25

Measure Type No Measure Type

Stage of Section Completed

Core Network Yes

Type

Left mouse click on the i icon



Displays a screen with detailed workflow information

Technical parameters

Display an additional year:



Cells highlighted in green indicate that data exists for that (reference) year. Data in non-highlighted cells is copied from the latest preceding reference year.





Section details / Accessing parameter information screen



Corridors Attributes Details

Stage

Core

Technical r

Display an ad

Lanes backw Design speed Long. Gradien

Lanes forward

Max axle load Total Hour Car

Total Hour Car Freight traffic Freight traffic

Percentage of Passenger tra

Passenger tra Number of fata

Part of a tolle

Parameter information

Section description: 799 / Breda (J. A16/A58) <--> Effen

Username Action

EDIT

EDIT

AGREE MS

tentec

tentec

tentec

tentec

tentec

Parameter id: 51

Parameter description: Lanes forward

Year: 2016

Date

7/18/14 1:01 PM

Validated workflow

Validated data workflow

Showing 1 to 10 of 12

Comment value year Source AGREE COM Data migration OMC V4 (29/09/2015 4 2015 13:54:05) Data migration OMC V4 (29/09/2015 2015 [NOT 13:54:05) **DEFINED**1 Data migration OMC V4 (29/09/2015 4 2015

Parameter information screen

shows all records of changes to

the value and validation status

of the parameter showing the

date of action and the username

of the action performer.

For more detailed information

please go to the section 4.h.

13:54:05) AGREE COM Data migration OMC V4 (29/09/2015 3 2014

13:54:05)

Data migration OMC V4 (29/09/2015 13:54:05)

3 2014 [NOT

Reference

DEFINED]

Items per page: 10 25 50 100

2002

2002

2002

2002

2002

2002

2002

2002

2002 2002

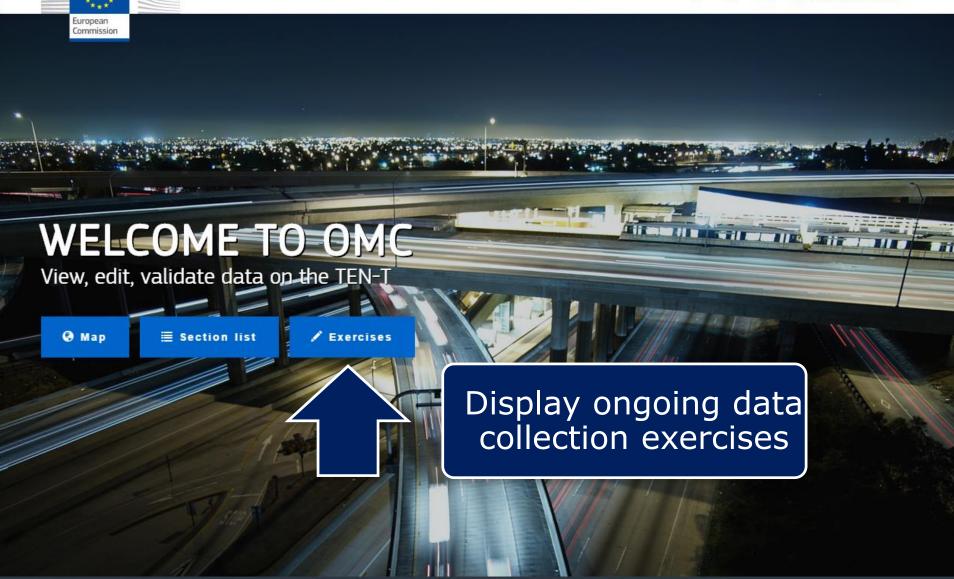
2002











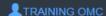


Exercise list









Airports

Inland Waterways

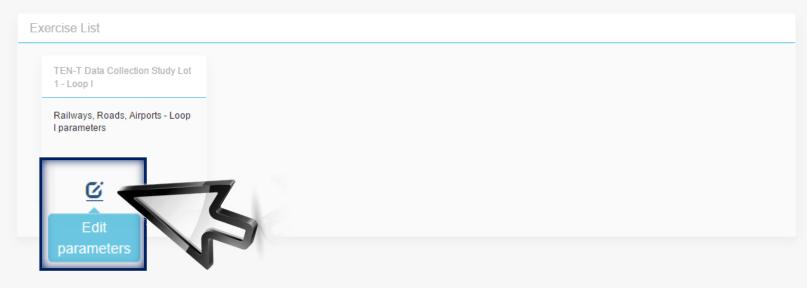
IWW Locks

IWW Bridges

Ports

Railways

Roads



Overview of user's data collection exercises for each transport mode. Each user can see only the exercises where he has received rights.



Single exercise screen / Selection of parameters

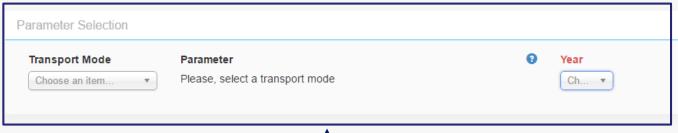






Back to list

TEN-T Data Collection Study Lot 2 - Loop I



Back to the list of exercises

Parameter Selection Form

allows selection of the parameter for the edition of values as well as the years (within the range of the predefined exercise.)

Single exercise screen / Overview OMC



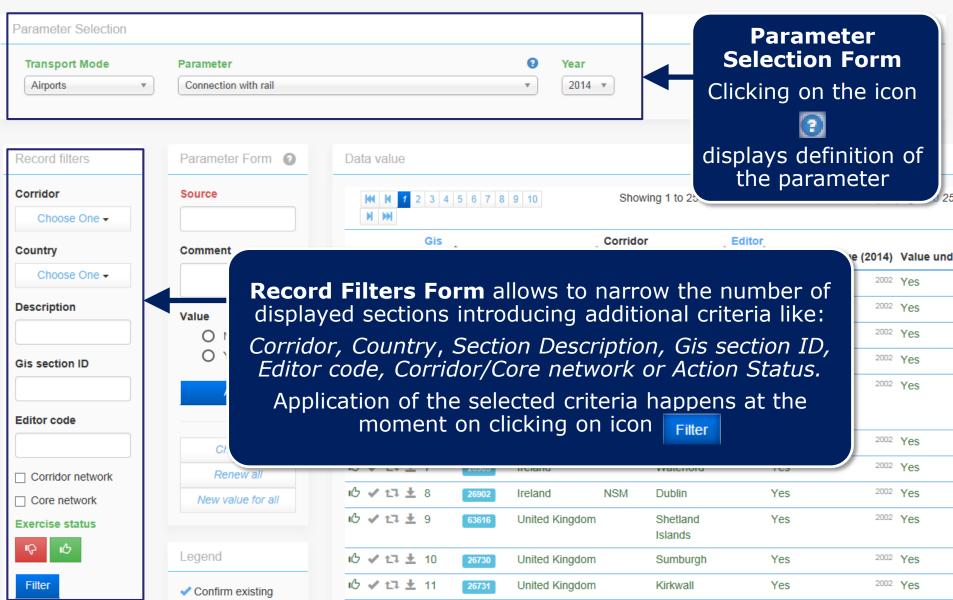






Back to list

TEN-T Data Collection Study Lot 1 - Loop I













Parameter Edition Form allows selection or input of value that after applying it with the button can be encoded either section by section or for all sections displayed on the screen.

Data Value Frame provides an overview of selected sections, their parameter values and possible actions.

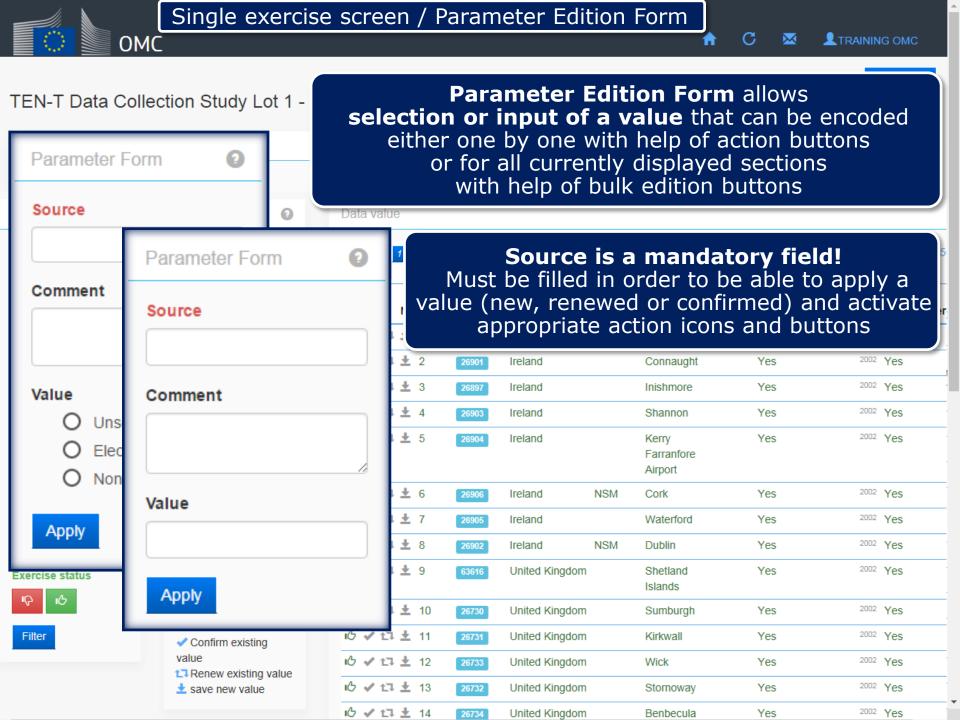
Record filters	Parameter Form ②	[Data	valu	е									
Corridor Choose One ▼				H H	1 2	2 3 4 5	5 6 7 8	9 10	Showi	ng 1 to 25 of 4	10	Item	s per	page: 10 25
Country	Comment	-			N	Gis Order	Gis Id	Country	Corridor (s)	Description	Editor code	Parameter Value (2	2014)	Value unde
Choose One ▼			ıĞ ∢	/ t]	<u>+</u>	1	27127	Ireland		Carrickfin		Yes	2002	Yes
Description	Value		iG 4	/ 17	<u></u>	2	26901	Ireland		Connaught		Yes	2002	Yes
	O No		iG 4	/ 17	<u>+</u>	3	26897	Ireland		Inishmore		Yes	2002	Yes
Gis section ID	O Yes		iG 4	/ 17	<u>+</u>	4	26903	Ireland		Shannon		Yes	2002	Yes
Editor code	Apply		ıĞ «	/ <u>1</u> 3	<u>+</u>	5	26904	Ireland		Kerry Farranfore Airport		Yes	2002	Yes
	Check all		ıĊ ∢	/ t]	<u></u>	6	26906	Ireland	NSM	Cork		Yes	2002	Yes
Corridor network	Renew all		ıĊ ∢	/ <u>1</u>]	<u>+</u>	7	26905	Ireland		Waterford		Yes	2002	Yes
	New value for all		ıĞ ∢	/ t]	<u>+</u>	8	26902	Ireland	NSM	Dublin		Yes	2002	Yes
Legend for the			ıĞ «	/ <u>t</u>]	<u>+</u>	9	63616	United Kingdom	l	Shetland Islands		Yes	2002	Yes
action	Legend		ıĊ ∢	/ <u>1</u>]	<u>+</u>	10	26730	United Kingdom		Sumburgh		Yes	2002	Yes
icons	✓ Confirm existing		ıĞ ∢	/ t]	+	11	26731	United Kingdom		Kirkwall		Yes	2002	Yes
✓ 17 ±	value		iG 4	/ 17	<u></u>	12	26733	United Kingdom		Wick		Yes	2002	Yes
			ıĊ ∢	/ <u>1</u>]	<u>+</u>	13	26732	United Kingdom		Stornoway		Yes	2002	Yes

United Kingdom

Benbecula

Yes

²⁰⁰² Yes



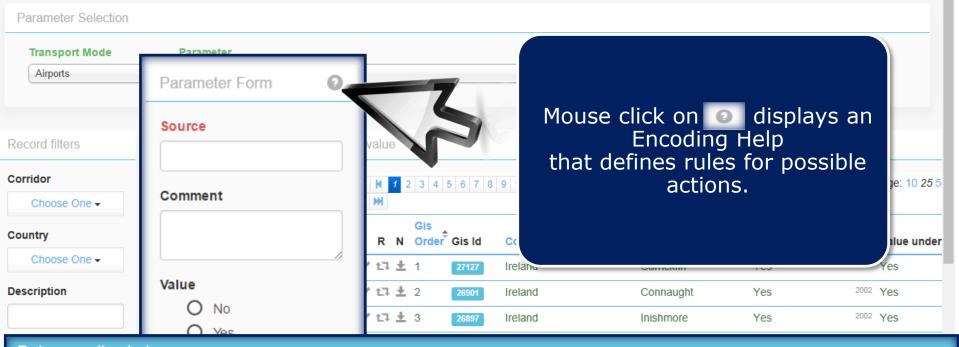


Single exercise screen / Parameter Edition Form



Back to list

TEN-T Data Collection Study Lot 1 - Loop I



Data encoding help.

- · No action available if data is under edition on another exercise
- In any case, source is mandatory

value

· Adding a comment is optional

Action button in the table are disabled by default and only enabled if they fulfill some conditions:

- To check value, only source is mandatory and the validated value should be encoded on the selected year
- To renew value, the validated value should exists and shouldn't be validated on the selected year. New value is forbidden
- To enter a new value, the encoded value should be different as the validated one if it exists

N Country Corridor(s) Description



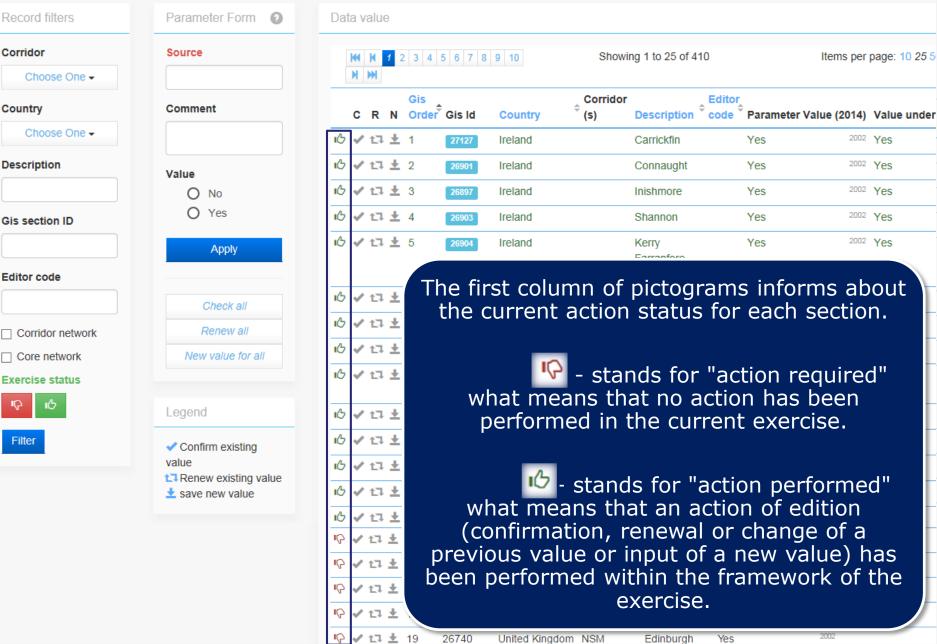
Single exercise screen / Data Value Frame





TRAINING OMC







Single exercise screen / Data Value Frame

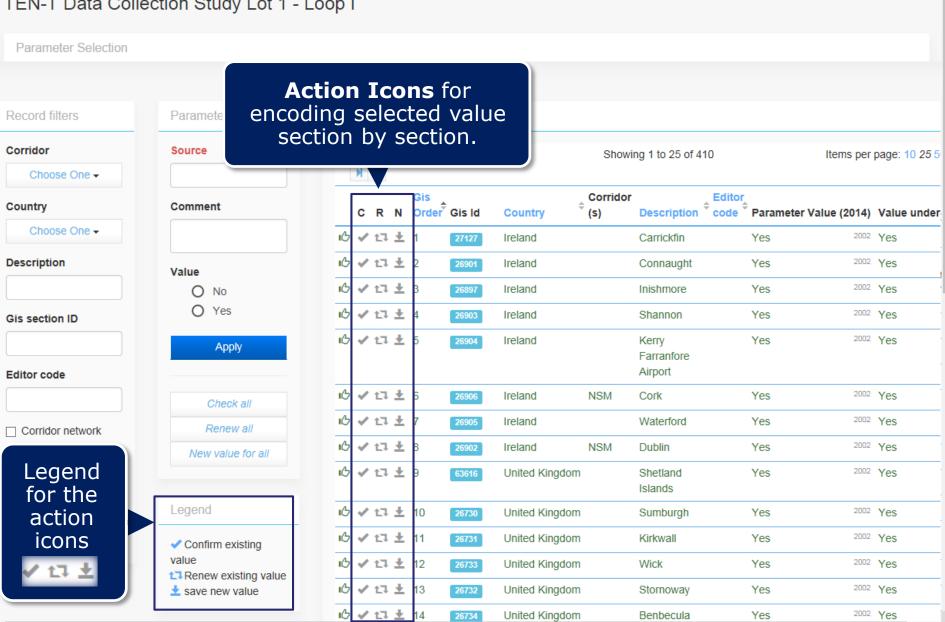






Back to list

TEN-T Data Collection Study Lot 1 - Loop I





Single exercise screen / Data Value Frame



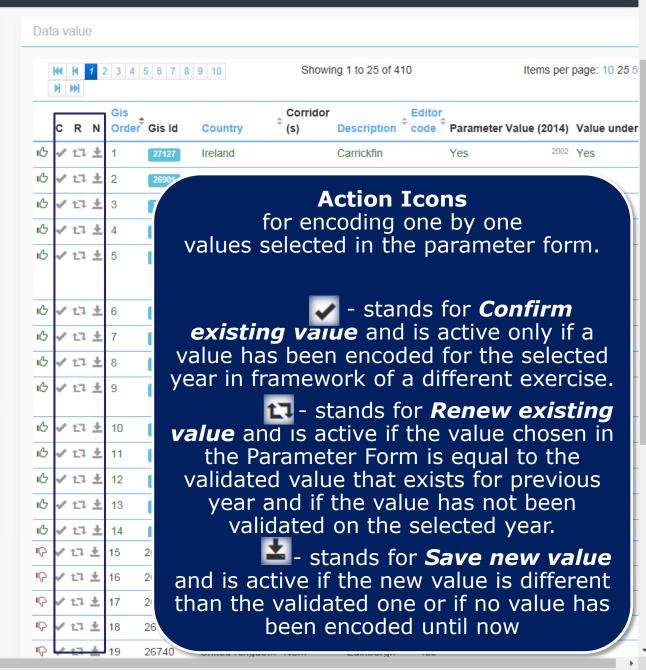


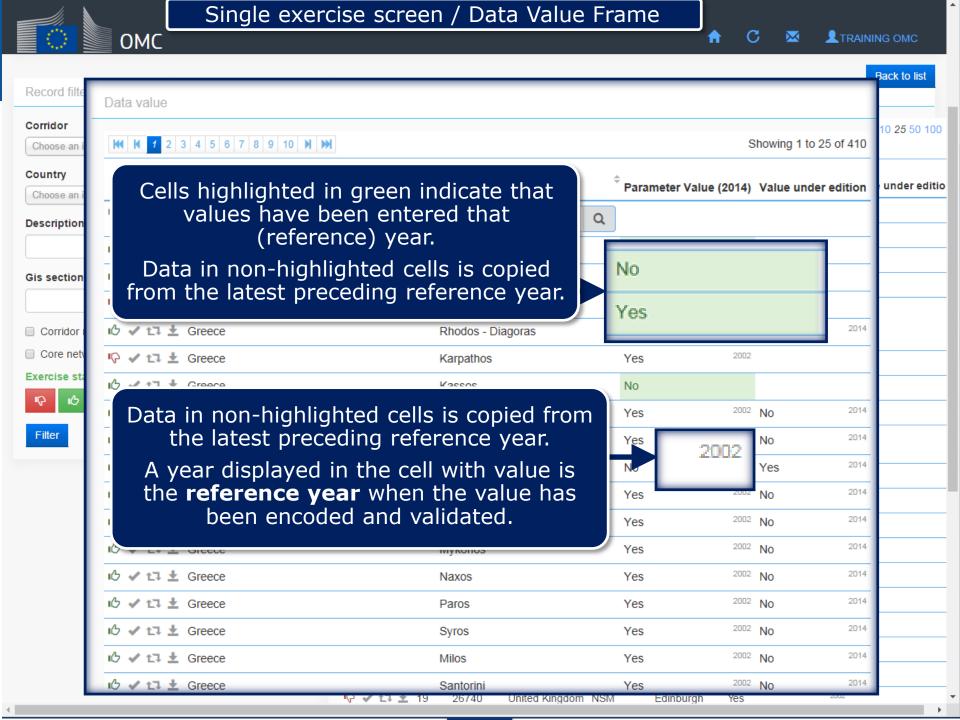


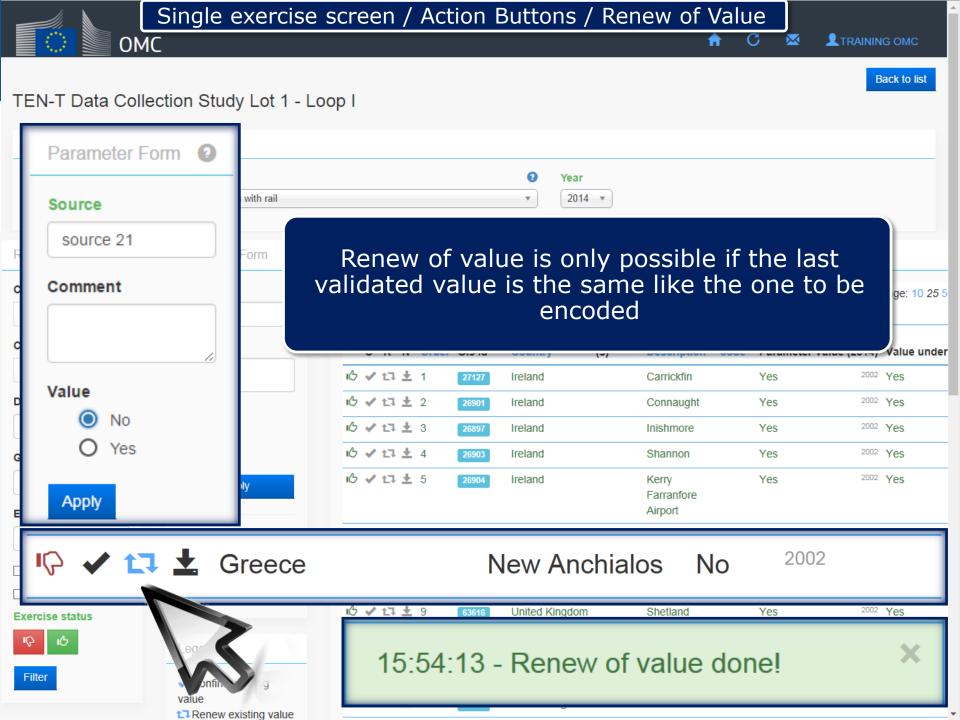
ITRAINING OMC

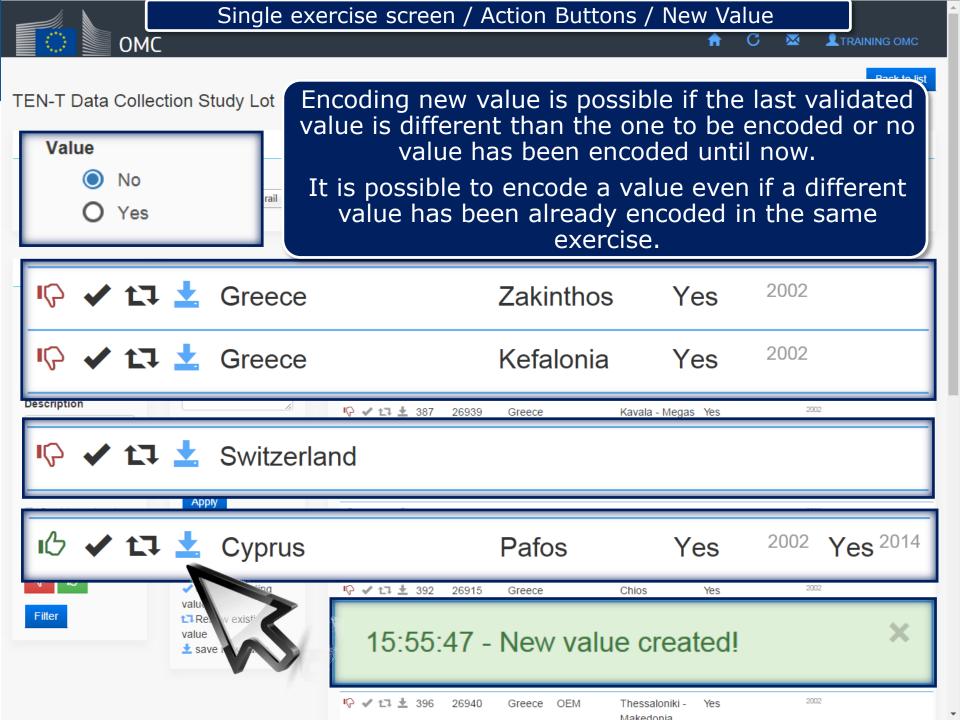
Record filters Parameter Form Corridor Source Choose One ▼ Country Comment Choose One ▼ Description Value No Yes Gis section ID Apply Editor code Check all Renew all Corridor network New value for all Core network Exercise status Legend Filter Confirm existing Renew existing value

save new value











Single exercise screen / Bulk edition



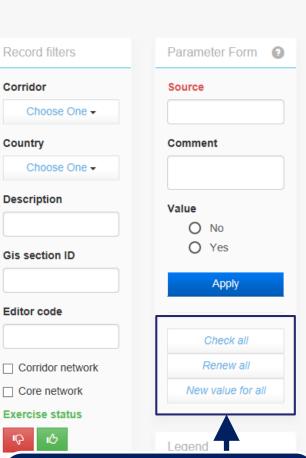




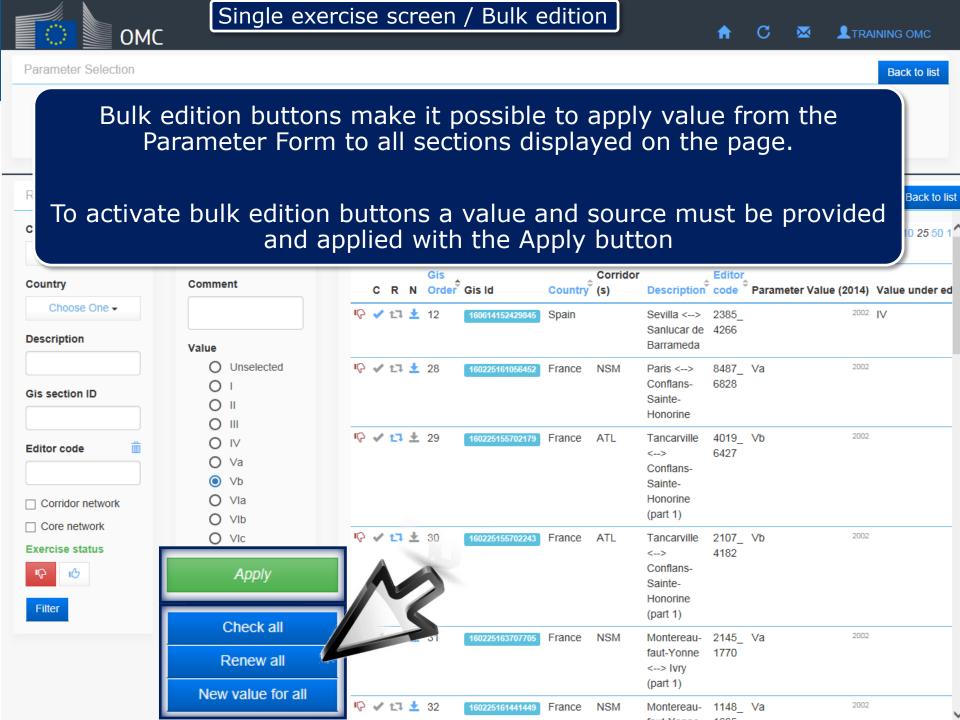
П

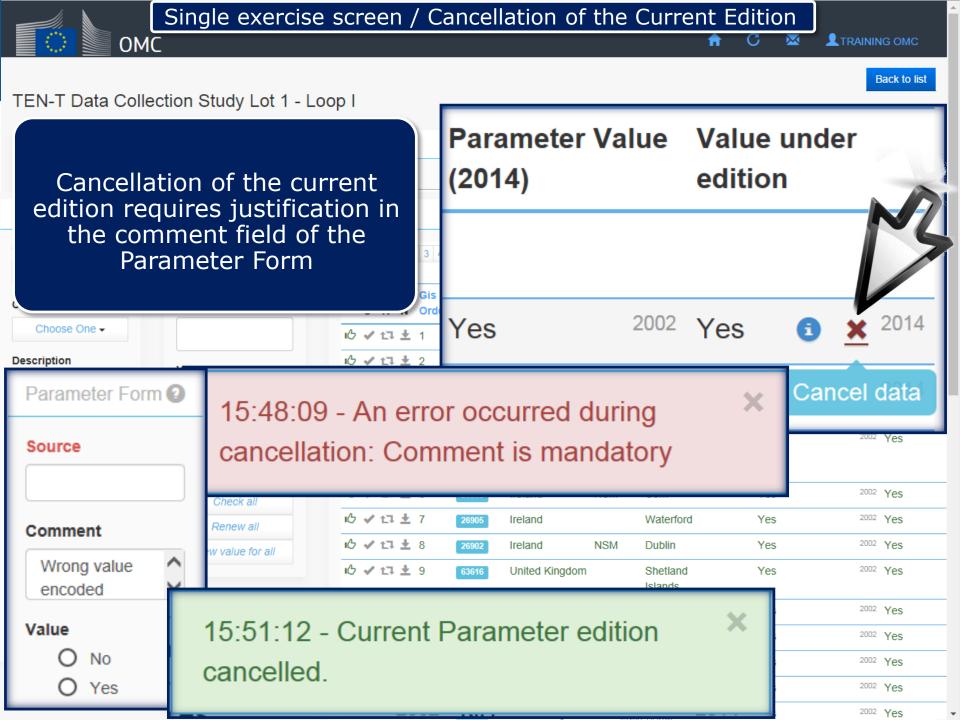


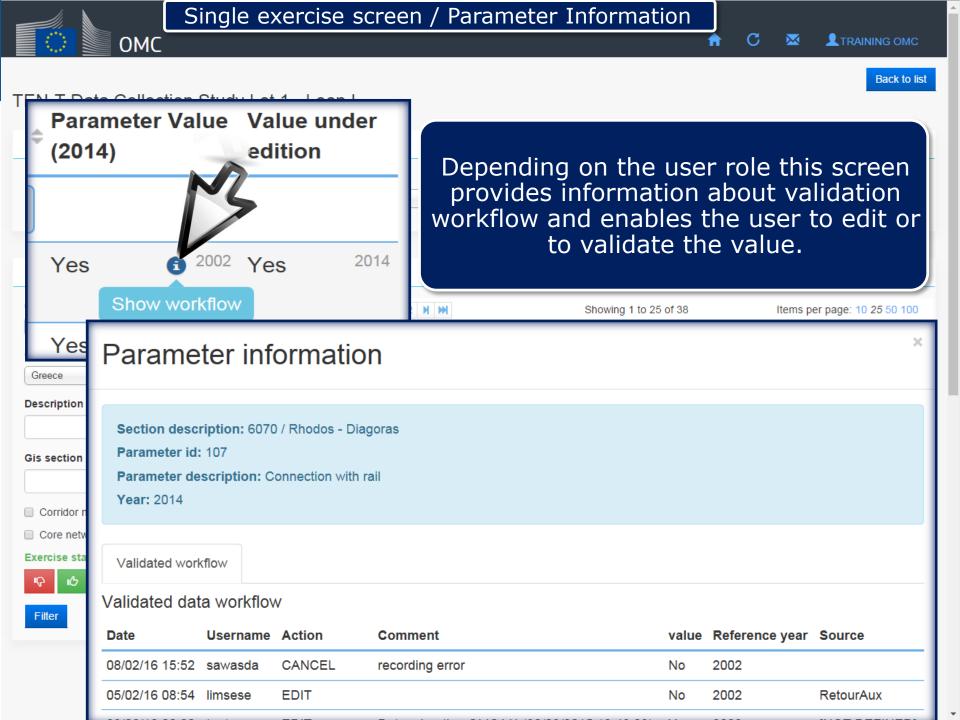
Da	ta	value	9			Ov	ervie	w of select	ea sect	lons	
) H	1 2		5 6 7 8	9 10		ing 1 to 25 of 410		Items per	page: 10 25 5
	С	R	N	Gis Order	Gis Id	Country	Corridor (s)	Description Code	Parameter Val	ue (2014)	Value under
1G	*	/ 17	<u>+</u>	1	27127	Ireland		Carrickfin	Yes	2002	Yes
ıĠ	*	/ 1]	<u>+</u>	2	26901	Ireland		Connaught	Yes	2002	Yes
ıС	*	/ 17	<u>+</u>	3	26897	Ireland		Inishmore	Yes	2002	Yes
IG	*	/ 17	<u>+</u>	4	26903	Ireland		Shannon	Yes	2002	Yes
ı	~	/ 17	<u>+</u>	5	26904	Ireland		Kerry Farranfore Airport	Yes	2002	Yes
IG	*	/ 17	<u>+</u>	6	26906	Ireland	NSM	Cork	Yes	2002	Yes
ıС	*	/ 17	<u>+</u>	7	26905	Ireland		Waterford	Yes	2002	Yes
IG	*	/ 17	<u>+</u>	8	26902	Ireland	NSM	Dublin	Yes	2002	Yes
ıĠ	*	/ 17	<u>+</u>	9	63616	United Kingdom		Shetland Islands	Yes	2002	Yes
ıĠ	*	/ 17	<u>+</u>	10	26730	United Kingdom		Sumburgh	Yes	2002	Yes
IG	*	/ 17	<u>+</u>	11	26731	United Kingdom		Kirkwall	Yes	2002	Yes
IG	*	/ 17	<u>+</u>	12	26733	United Kingdom		Wick	Yes	2002	Yes
IG	*	/ 17	<u>+</u>	13	26732	United Kingdom		Stornoway	Yes	2002	Yes
ıζ	4	/ 17	+	14	26734	United Kingdom		Benbecula	Yes	2002	Yes

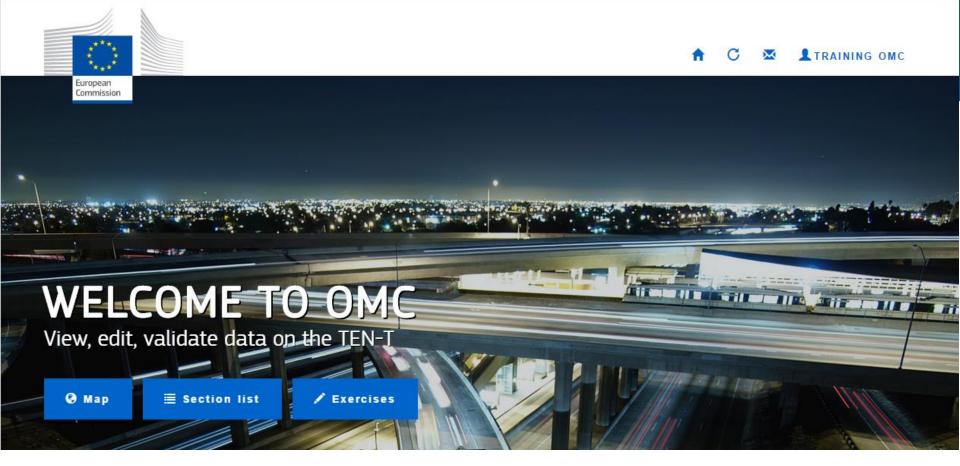


Bulk edition buttons for encoding simultaneously selected value for all sections displayed on the current page in the Data Value Frame.









Thank you!

For further information and training please contact: move-tentec@ec.europa.eu