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# Guide – Public User

Project: “Enhancing the capacity of the GIS-based electronic platform ‘Single Information Point’ and developing functionalities to establish a National Access Point for information services for multimodal travel”

Contracting Authority: Ministry of Transport and Communications

Contractor: NTD Consortium, comprising ESRI Bulgaria Ltd. and Theoremus AD

Version: 01

Date: June 15, 2026



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## Table of Contents

Glossary of Used Terms and Definitions .....	6
1 Introduction .....	7
2 Home page .....	9
2.1 ECNPIA .....	11
2.2 News and updates overview .....	11
3 Submitting a registration request to the system .....	13
3.1 Registration with username and password .....	13
3.2 Registration with a Qualified Electronic Signature (QES) .....	17
4 Feedback .....	23
5 Language .....	26
6 GIS Module .....	27
6.1 Map Operations .....	27
6.1.1 Object Identification .....	29
6.1.2 Tools for Measuring Distances and Areas .....	32
6.1.3 Switching Base Maps .....	33
6.2 Layer Management and Legend .....	34
6.3 Printing .....	37
7 Registers .....	42
7.1 Register of Planned and Ongoing Activities .....	42
7.1.1 Search and queries by criteria .....	45
7.1.2 Identification of activities from the map .....	46
7.1.3 Reviewing Detailed Activity Data .....	47
7.1.4 Exporting Data from the registry .....	48
7.2 Register of announcements .....	49
7.2.1 Search and queries by criteria .....	51
7.2.2 Reviewing Detailed Announcement Data .....	52
7.2.3 Exporting Data from the register .....	53



Финансирано от  
Европейския съюз



7.3 Register of violation reports .....	53
7.3.1 Search and queries by criteria.....	56
7.3.2 Reviewing detailed data for violation reports.....	57
7.3.3 Exporting data from the register .....	58
7.4 Register of installed and improved ECN .....	59
7.4.1 Search and queries by criteria.....	60
7.4.2 Reviewing detailed data for installed and improved ECN ...	61
7.4.3 Exporting data from the register .....	63
7.5 Register of invitations to remove ECN.....	63
7.5.1 Search and queries by criteria.....	65
7.5.2 Reviewing detailed data for invitations to remove ECN.....	65
7.5.3 Exporting data from the registry .....	66
7.6 Register of investment intentions.....	67
7.6.1 Search and queries by criteria.....	69
7.6.2 Viewing detailed data on investment intentions.....	70
7.6.3 Exporting data from the registry .....	71
8 Services.....	72
8.1 Existing physical infrastructure .....	72
8.1.1 Step 1 – Review of service information .....	73
8.2 Existing Electronic Communications Networks .....	74
8.2.1 Step 1 – review of service information.....	75
8.3 Planned and Ongoing Construction Activities .....	76
8.3.1 Step 1 – review service information .....	77
8.3.2 Step 2 – Select an area of interest.....	78
8.3.3 Step 3 - Review of Results.....	79
8.4 Competent Authorities, Powers, and Operators.....	81
8.4.1 Step 1 – Reviewing service information.....	82
8.4.2 Step 2 – Select an area of interest.....	83
8.4.3 Step 3 – Review of Results .....	84



Финансирано от  
Европейския съюз



8.5 Submitting an Application for Infrastructure Construction .....	87
8.6 Submission of Applications for the Deployment of the ECN .....	88
8.6.1 Step 1 – Reviewing service information.....	89
8.7 Registering a Network in the SIP .....	90
8.7.1 Step 1 – Review of service information .....	91
9 Broadband Access .....	93
9.1 Search for data .....	93
9.2 Dashboard – Fixed Network .....	95
9.3 Dashboard - Mobile Network .....	98
10 Open Data.....	102
11 About the System .....	104
12 To the NAP.....	105





Финансирано от  
Европейския съюз



## Glossary of Used Terms and Definitions

Abbreviation	Description
UIS	Unified Information System
Vertex	A point on the geometry of a given feature
GIS	Geographic Information System
SIP	Single Information Point
ECN	Electronic communications network
ECNPIA	Electronic Communications Networks and Physical Infrastructure Act
QES	Qualified Electronic Signature
MRDPW	Ministry of Regional Development and Public Works
MTC	Ministry of Transport and Communications
NAP	National Access Point
INSPIRE	Infrastructure for Spatial Information in Europe
VHCN	Networks with very high capacity



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# 1 Introduction

The SIP information system provides several levels of access to data and functionalities, depending on user permissions. Based on their permissions, users in the system are divided into: unregistered public users, registered expert-level users (who may be network operators or competent and regulatory authorities), and system administrators.

Unregistered public users have access to the following main elements of the SIP system:

- Home
  - News
- Map
- Registers
  - Register of planned/ongoing activities;
  - Register of announcements;
  - Register of violation reports;
  - Register of installed and improved ECN;
  - Register of conclusive acts for the removal of ECN;
  - Register of investment intentions;
- Services
  - Existing Physical Infrastructure – Service Information;
  - Existing Electronic Communications Networks – Service Information;
  - Planned and Ongoing Construction Activities;
  - Competent authorities, powers, and operators;
  - Submission of applications for infrastructure construction – service information;
  - Submission of applications for deployment of the ECN – service information;
  - Registering a network in SIP – service information;
- Broadband access
  - Search for data;
  - Dashboard – fixed network;
  - Dashboard – mobile network;
- Open data
  - INSPIRE services;
  - Search metadata;
  - Open data;



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- About the system
- To NAP





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## 2 Home page

The system is accessible at the following web address: <https://sipbg.gov.bg>. Upon opening, the home page appears as follows:

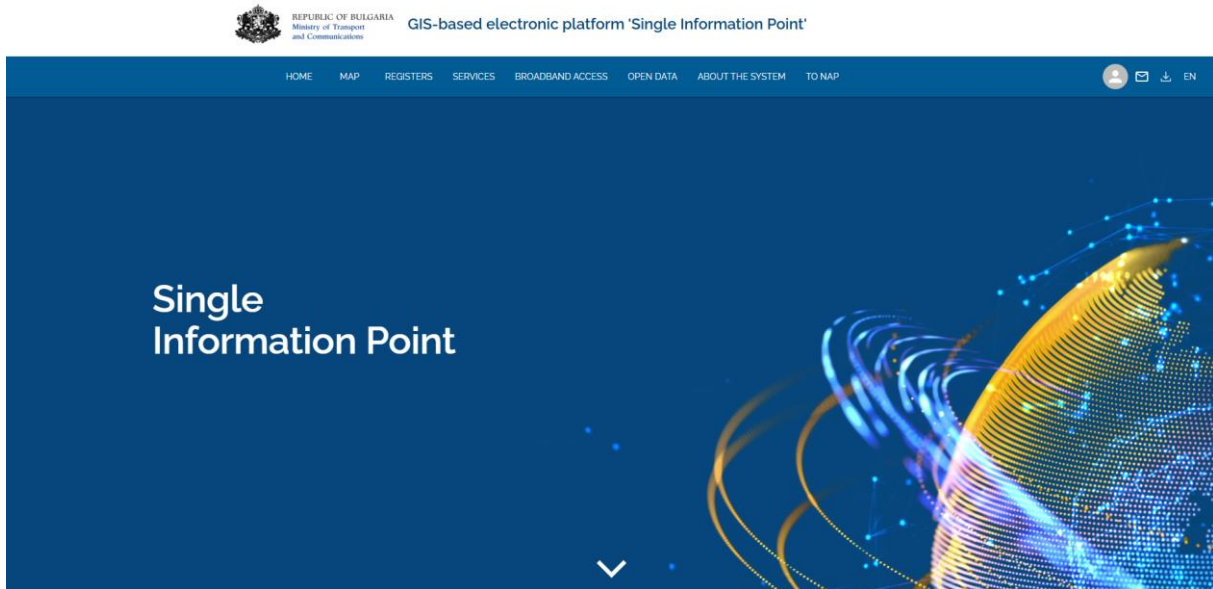


Fig. Home screen of the "Single Information Point" system

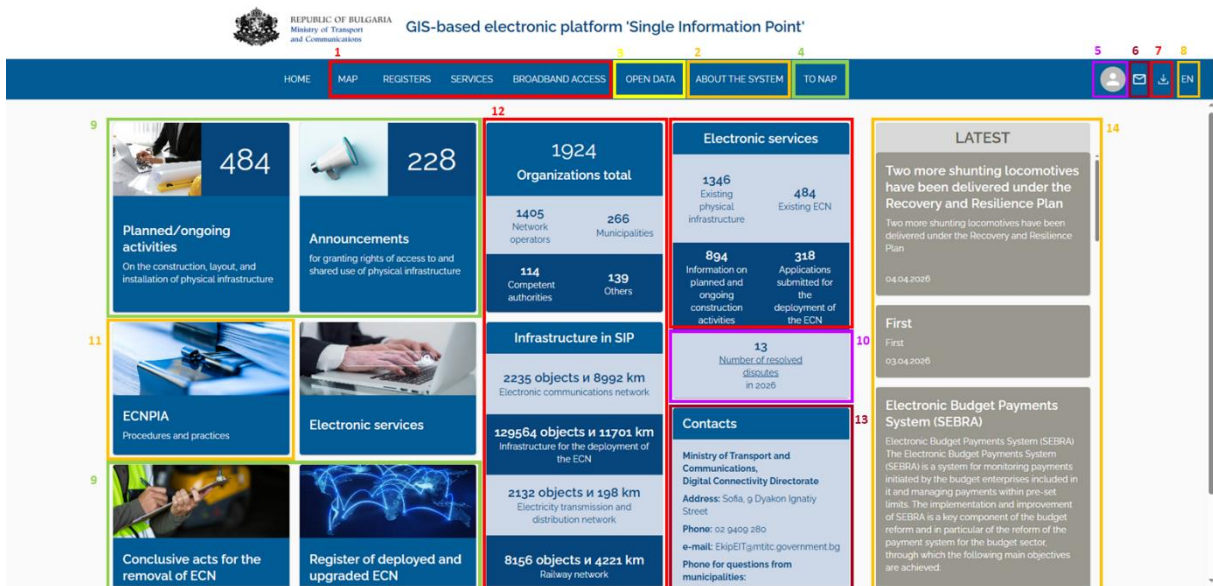


Fig. Interface of the SIP home page—quick links to registers, statistical data, contact information, and the “Latest” section



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The following elements are located on the home page:

1. The main modules of the system, arranged as separate tabs at the top of the interface, in the ribbon;
2. A tab with system information, located on the ribbon;
3. A tab for accessing open data, located on the ribbon;
4. A link to the NAP, located as a separate tab on the ribbon;
5. Profile management button, including login and registration, located on the right side of the interface on the ribbon;
6. Feedback button;
7. Button to download the user manual.
8. A language selection button, located on the right side of the interface on the ribbon;
9. Sections with quick links to the registers for planned and ongoing construction, installation, and assembly activities, violation reports, announcements, etc.;
10. Section for the number of resolved disputes;
11. Section with information on ECNPIA;
12. Sections with statistical information on organizations and data in the SIP;
13. Contact section;
14. “Latest” section.



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## 2.1 ECNPIA



*Fig. ECNPIA Section*

On the home page, on the left side of the interface, there is a "ECNPIA" section, which allows users to review the procedures and practices regulated by law. Clicking on the section opens a separate interface with information about ECNPIA.

### ON THE LAW ON ELECTRONIC COMMUNICATIONS NETWORKS AND PHYSICAL INFRASTRUCTURE

Table of Contents:

- [1. Deployment of electronic communications networks and construction of their associated physical infrastructure](#)
  - [1.1. According to the provisions of the Spatial Development Act \(SDA\)](#)
  - [1.2. According to the provisions of the Electronic Communications Networks and Physical Infrastructure Act \(ECNPIA\)](#)
- [2. Description of procedures related to the deployment and maintenance of electronic communications networks and their associated physical infrastructure](#)
  - [2.1. Procedure for issuing a permit for the construction of physical infrastructure](#)
    - [2.1.1. Regulatory framework](#)
    - [2.1.2. Notification of investment proposal \(intention\)](#)
    - [2.1.3. Preparation and approval of a Detailed Development Plan \(DDP\) for technical infrastructure](#)
- [3. REGULATION on data formats and the conditions and procedures for providing access to information in the Single Information Point](#)
- [4. Marking to indicate buildings prepared for high-speed internet in accordance with the provisions of the Electronic Communications Networks and Physical Infrastructure Act](#)

- 1. DEPLOYMENT OF ELECTRONIC COMMUNICATIONS NETWORKS AND CONSTRUCTION OF THEIR ASSOCIATED PHYSICAL INFRASTRUCTURE
  - 1.1. In accordance with the Spatial Development Act (SDA)

*Fig. ECNPIA Section Interface*

## 2.2 News and updates overview

The system provides a feature to review news and current information within the "Latest" panel on the home page.



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## LATEST

### MTC and Leading Universities Join Forces to Train Personnel for the Railway Sector

The Deputy Minister of Transport and Communications, Murad Türk, held a series of working meetings with the academic leadership of the University of Architecture, Civil Engineering and Geodesy (UACEG), the "Todor Kableskov" University of Transport, and the "Lyuben Karavelov" University of Civil Engineering.



<https://www.mtc.government.bg/en/category/1/mtc-and-leading-universities-join-forces-train-personnel-railway-sector>

*Fig. "Latest" section interface*




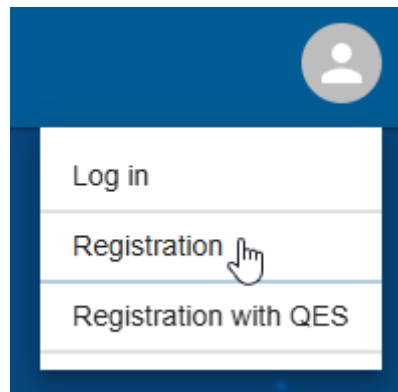
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## 3 Submitting a registration request to the system

### 3.1 Registration with username and password

By clicking the "Profile" button , in the upper right corner and clicking the "Register" button, the user registration form opens, including registration with a username and password.



*Fig. "Register" Button*

When registering with a username and password, the user completes four steps, entering or selecting the following information:

- Platform for Registration – in this step, the user chooses to register for the SIP, the NAP, or both platforms simultaneously.

If the user already has a registration in the NAP, they can use their NAP registration data in this step and supplement it with the necessary details for SIP registration to expand their access.



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*Fig. Registration Form with Username and Password – step "Select the platform(s) you wish to register for"*

- Applicant and Contact Details – in this step, the user enters their details: first name, last name, position, phone number, and contact email address;

*Fig. Registration Form with Username and Password – step "Applicant and Contact Details"*

- Organization – in this step, the user enters details for the organization they are registering with or indicates that they represent another organization.



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After entering the Unified Identification Code (EIK), the user clicks the "Check" button. The system verifies if the entered EIK is valid.

The screenshot shows a registration form titled "Registration" with four steps: "Registration selection", "Applicant and contact details", "Organization", and "User profile". The "Organization" step is active. Below the progress bar, the "Organization" section contains instructions to fill in details for the main and authorized organizations. The "Organization type" section has two radio buttons: "Organization in Bulgaria" (selected) and "Foreign organization". The "Organization UIC" field contains "000895388" and a "CHECK" button. Below this, it says "Valid EIK". A box titled "Organization data in EIT" lists details for the Ministry of Transport and Communications: Name, UIC, Email, Phone, Address, Website, and Type. At the bottom, there is a checkbox for "The applicant is a representative of another organization", a "BACK" button, and a "NEXT" button.

*Fig. Registration Form with Username and Password – step "Organization"*

If the applicant represents another organization, they check the box "The applicant is a representative of another organization." An additional panel opens to enter data for the authorized organization.



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The applicant is a representative of another organization

Authorized organization details

Organization UIC (Unified Identification Code)

Organization Name

Address

Phone number

Email address

< BACK

NEXT >

*Fig. Registration Form with Username and Password – step "Organization," Authorized Organization Section*

- User Profile – in this step, the user enters a username (which may be identical to the first part of their email) and a password.

The username must be between 2 and 50 characters long. Only Latin letters, digits, and the symbols "\_", "-", and "@" are permitted.

After entering the username, the user clicks the "Check" button. The system verifies if the entered username is available.



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The screenshot shows a registration form titled "Registration". At the top, there is a progress bar with four steps: "Registration selection" (checked), "Applicant and contact details" (checked), "Organization" (checked), and "User profile" (active). Below the progress bar, the "User profile" section is displayed. It includes a "Username" field with the value "kkolevas8" and a "CHECK" button. Below this, it states "Username is available". The "Password" field is empty, and below it, there are criteria for a strong password: "At least 6 characters", "Contains lowercase and uppercase letters", "Contains at least one digit", and "Contains at least one special character (.,>, #, \$, %)". There is also a "Repeat password" field. At the bottom, there are "BACK" and "SUBMIT" buttons.

Fig. Registration Form with Username and Password – step "User Profile"

By clicking the "Submit" button, the registration request is sent for approval to a system administrator.

### 3.2 Registration with a Qualified Electronic Signature (QES)

By clicking the "Profile" button , in the upper right corner and clicking the "Registration" button, the user registration form opens, including registration with a Qualified Electronic Signature (QES).

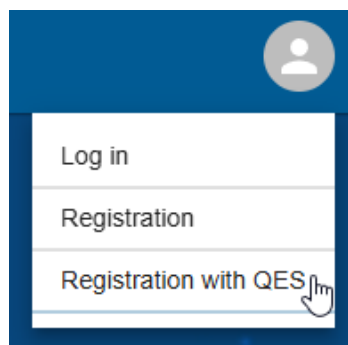


Fig. „Registration with QES“ button



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When registering with a QES, the user completes three steps, entering or selecting:

- Platform for Registration – in this step, the user chooses to register for the SIP, the NAP, or both platforms simultaneously.

The screenshot shows a web interface for registration. At the top, it says "Registration" and provides a disclaimer: "After submitting and approving a registration request using a qualified electronic signature (QES), access to the system will be granted solely and exclusively through the specified qualified electronic signature provided in the application." Below this is a progress bar with three steps: "Registration selection" (active), "Applicant and contact details", and "Organization". The main content area is titled "Registration selection" and asks the user to "Select the platform(s) you wish to register for:". There are two radio buttons: "SIP" (checked) and "NAP" (unchecked). At the bottom, there are "BACK" and "NEXT" buttons.

*Fig. Registration Form with QES – Step "Select the platform(s) you wish to register for"*

- Applicant and Contact Details – in this step, the user's data (first name, last name) is filled in automatically after passing through the electronic identification system. The remaining data is entered manually.



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## Registration

Registration selection    Applicant and contact details    Organization

### Applicant and contact details

Please fill in your personal details

**LOG IN WITH E-AUTHENTICATION**

Name \*

Position \*

Phone \*      Email address \*

**< BACK**      **NEXT >**

Fig. Registration Form with QES – step "Applicant and Contact Details"



## Electronic authentication system

State eGovernment Agency

### Select eld provider

Select

QES on Smart card/USB stick

**Login with QES**

Fig. Electronic Authentication System Interface



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## Registration

Registration selection   Applicant and contact details   Organization

### Applicant and contact details

Please fill in your personal details.

**LOG IN WITH E-AUTHENTICATION**

**You have successfully authenticated via e-Authentication!**

Name \*  
Krasimira Koleva

Position \*

Phone \*      Email address \*  
      @gmail.com

[< BACK](#)      [NEXT >](#)

*Fig. Registration Form with QES – step "Applicant and Contact Details" – Successful Authentication*



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- Organization Data – in this step, the user enters details for the organization they are registering with or indicates that they represent another organization.

The screenshot shows a web form titled "Registration" with three progress steps: "Registration selection" (checked), "Applicant and contact details" (checked), and "Organization" (active). The "Organization" section includes a heading "Organization" and a sub-heading "Organization type:" with two radio buttons: "Organization in Bulgaria" (selected) and "Foreign organization". Below this is a text input field for "Organization identification number (UIC)" containing "000695388" and a "CHECK" button. A confirmation message "Valid EIK" is displayed. A box titled "Organization data in EIT" contains the following information: Name: Министерство на транспорта и съобщенията; UIC: 000695388; Email: mail@mtitc.government.bg; Phone: (02)9409 771; Address: гр. София, София, ул. "Дякон Игнатий" № 9; Website: www.mtitc.government.bg; Type: Министерство (Регулатор). At the bottom, there is a checkbox "The applicant is a representative of another organization" which is unchecked, and two buttons: "BACK" and "SUBMIT".

Fig. Registration Form with QES – Step "Organization"

If the applicant represents another organization, they check the box "The applicant is a representative of another organization." An additional panel opens to enter data for the authorized organization.



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The applicant is a representative of another organization

Authorized organization details

Organization UIC (Unified Identification Code)

Organization Name

Address

Phone number

Email address

< BACK

NEXT >

*Fig. Registration Form with QES – step "Organization," Authorized Organization Section*

The registration request is submitted to a system administrator by clicking the "Submit" button.



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## 4 Feedback

The system provides an opportunity for communication with citizens and businesses (letters, complaints, inquiries, other) via an electronic form, after clicking the "Feedback" button located on the right side on the ribbon.

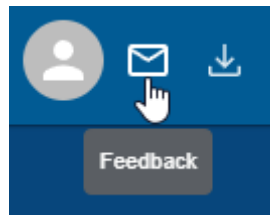


Fig. "Feedback" Button

After clicking the button to submit feedback, a form to be filled out opens in the detail panel, containing the characteristics described below. The received feedback information is stored (registered) in a structured form in a relational database.

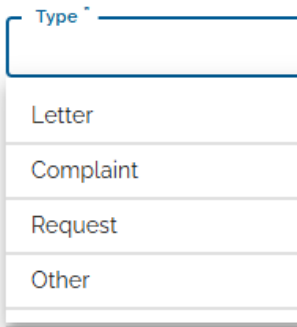
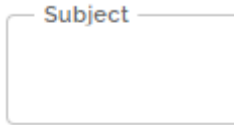


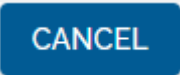

### Functional capabilities of the Feedback panel:

Command		Description
<b>Name</b>	<input type="text" value="Name *"/>	Provides the ability to enter the sender's name.
<b>e-mail</b>	<input type="text" value="E-mail *"/>	Provides the ability to enter the sender's e-mail address.
<b>Other contact details</b>	<input type="text" value="Other contact details"/>	Provides the ability to enter other contact details.
<b>To the attention of</b>	<input type="text" value="To the attention of *"/>	Provides the ability to specify an addressee.



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<b>Type</b>		Provides the ability to enter the feedback type via selection from a dropdown menu.
<b>Subject</b>		Provides the ability to enter a title for the feedback.
<b>Text of the message</b>		Provides the ability to enter the text of the message.
<b>Select file</b>	Documents 	Provides the ability to choose a file for attachment.
<b>Cancel</b>		Provides the ability to cancel sending the message.
<b>Send</b>		Provides the ability to send the message.



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Details Layers Legend Feedback Export

### Feedback

To contact us about a matter of interest to you in connection with SIP, please fill out the following form. If you would like us to register your organization with SIP, please enter the following in the 'Message text' field: name of the organization, UIC, address, telephone number, and e-mail address.

Name \*

E-mail \*

Other contact details

To the attention of \*

Type \*

Subject

Text of the message \*

Documents

SELECT FILE

SELECT FILE

SELECT FILE

CANCEL SEND

*Fig. Interface of the form for sending feedback*

By clicking the "Send" button, the feedback request is sent.



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## 5 Language

The system has the functional capability to change the language (BG/EN) for the public interfaces via the button located in the upper right part on the ribbon.



*Fig.Language selection interface*



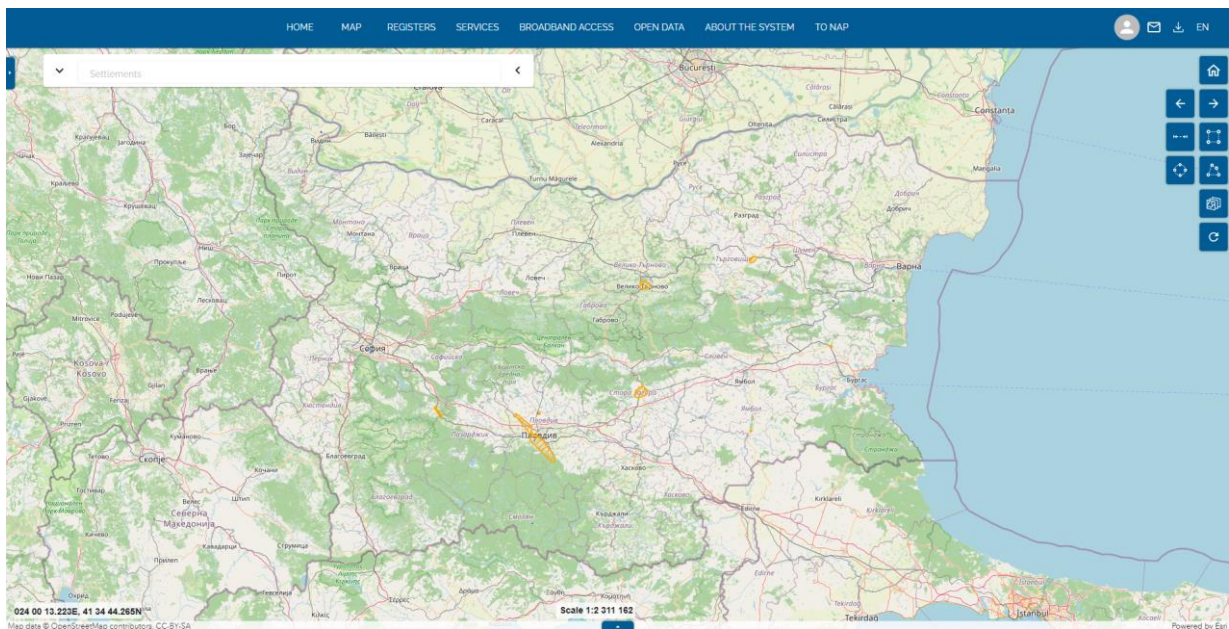
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## 6 GIS Module

The GIS module provides the capability to view and interact with data on an interactive map, including map identification functions, registry searching by criteria, reviewing detailed data for identified objects or search results, printing, and many other features. The module is closely integrated with the other modules of the system.

### 6.1 Map Operations



*Fig. Map Interface*

The system provides tools for map navigation, object selection, switching base maps, etc., which are located on the right side of the map interface:



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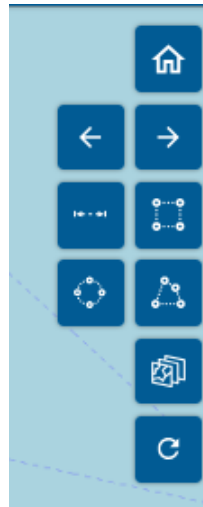







Fig. Button interface for working with the interactive map

Functional capabilities for working with the interactive map:

Command		Description
Home (Default Extent)		Provides the ability to position the map within the initially defined extent.
Go to the previous map extent		Enables returning to the previous map view. Active after changing the initial extent.
Go to the next extent of the map		Provides the ability to navigate to the next view on the map. This functionality is active after changing the initial map extent or after using the "Go to Previous Extent" option.
Distance measurement		Provides the ability to measure distances on the map. The measurement results and labels are stored in the temporary layers "Vertex Labels" and "Drawing on the Map" until the "Clear" function is used or the system is reloaded.
Search		Provides the ability to identify map layers by drawing a rectangle. The identification result is displayed in the "Details" tab, where the user can



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view detailed information about the selected object. **The ability to identify layers depends on the visibility of the respective layer.**

Circle



Provides the ability to identify map layers by drawing a circle. The identification result is displayed in the "Details" tab, where the user can view detailed information about the selected object. **The ability to identify layers depends on the visibility of the respective layer.**

Area  
measurement



Provides the ability to measure area on the map. The measurement results and labels are stored in the temporary layers "Vertex Labels" and 'Drawing on the Map' until the "Clear" function is used or the system is reloaded.

Change Base  
Map



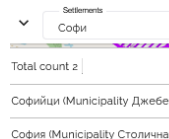
Provides the ability to switch base maps (options include: No base map, Topo Map, Imagery, Imagery with Labels, OpenStreetMap, StreetMap, NatGeo, Terrain, Ocean, Dark Gray, Light Gray).

Clear



Provides the ability to clear all object highlights and drawings in temporary layers.


Search by  
settlement



Provides a quick way to locate a settlement and zoom the map to its location.

### 6.1.1 Object Identification


The system provides a set of identification tools located on the right side of the interface, on the interactive map, the main ones being:

**Search** -  - loads a list of objects grouped by type within the area (rectangle) drawn by the user on the map;



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**Circle** -  - loads a list of objects grouped by type within the area (circle) drawn by the user on the map;

The system provides the option to identify an object on the map by right-clicking on it.

The result of the identification is a loaded list of objects in the "Details" panel.



Details	Layers	Legend	Export
181+	BUILDINGS		▼
192+	PARCELS		▼
7	ORGANIZATIONS		▼
16	AREAS OF RESPONSIBILITY		▼
2	LABELS FOR PLANNED OR ONGOING CONSTRUCTION, DEPLOYMENT, AND INSTALLA...		▼
2	PLANNED OR ONGOING CONSTRUCTION, DEPLOYMENT AND INSTALLATION ACTIVIT...		▼

*Fig. Result interface in the "Details" panel after identification*

When you click the button  for a group in the panel, a list of the items in that group is displayed:



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Details Layers Legend Export

181 BUILDINGS

Редове на страница 10 1-10 of 181

Buildings:68134.300.18.2			▼
Buildings:68134.301.443.1			▼
Buildings:68134.300.18.1			▼
Buildings:68134.300.45.2			▼
Buildings:68134.300.44.3			▼
Buildings:68134.300.44.2			▼
Buildings:68134.300.44.1			▼
Buildings:68134.300.43.2			▼
Buildings:68134.300.43.1			▼
Buildings:68134.300.42.5			▼

192 PARCELS

7 ORGANIZATIONS

16 AREAS OF RESPONSIBILITY

2 LABELS FOR PLANNED OR ONGOING CONSTRUCTION, DEPLOYMENT, AND INSTALLA...

2 PLANNED OR ONGOING CONSTRUCTION, DEPLOYMENT AND INSTALLATION ACTIVIT...

*Fig. Details panel interface with a list of objects for a selected group*

When you click the button ▼ for an item in a group in the "Details" panel, detailed information about the selected item is displayed.



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Details Layers Legend Export

181+ BUILDINGS

Редове на страница 10 1-10 of 181

Buildings:68134.300.18.2

EKATTE	68134
SETTLEMENT	ГР. СОФИЯ
AREA	18.265434
CAD ID	68134.300.18.2
BUILDING ADDRESS	ГР. СОФИЯ, РАЙОН ВЪЗРАЖДАНЕ, УЛ. ГРИВИЦА №10
PROPERTY TYPE	ЧАСТНА
FUNCTIONAL TYPE	

Buildings:68134.301.443.1

Fig. Information interface for the selected item, in the Details panel

### 6.1.2 Tools for Measuring Distances and Areas

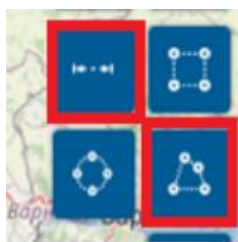


Fig. Area Measurement Tools Interface


The system provides a set of tools for identifying and measuring distances and areas, located on the right side of the interface, on the interactive map. The main tools are:

Distance Measurement -  - measures distance on the map after the user specifies two or more points;



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Area Measurement -  - measures area on the map after the user specifies three or more points;

### 6.1.3 *Switching Base Maps*

The system provides the functional capability to change the base map.



*Fig. Interface for a base map replacement tool*

The system allows for changing the base map by selecting one from the options available in the „Base Maps“ tab:

-  - No base map;
-  - World Topographic Map;
-  - World Imagery;
-  - World Imagery with labels;
-  - OpenStreetMap;
-  - World Street Map;
-  - NatGeo;



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- World Terrain Base;



- Oceans and Seas Map

## 6.2 Layer Management and Legend

The system provides the capability to enable or disable layers using the corresponding buttons in front of the layer name:



- layer on;



- layer off.



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Details Layers Legend Export

- ▷  Infrastructure for ECN deployment
- ▷  Electrical transmission and distribution
- ▷  Gas transmission and distribution
- ▷  Heat transmission and distribution
- ▷  Sewerage
- ▷  Public lighting
- ▷  Metro infrastructure
- ▷  NRN
- ▷  Municipal road network
- ▷  Railway infrastructure
- ▷  Port infrastructure
- ▷  Airport infrastructure

---

▽  Registers (profile)

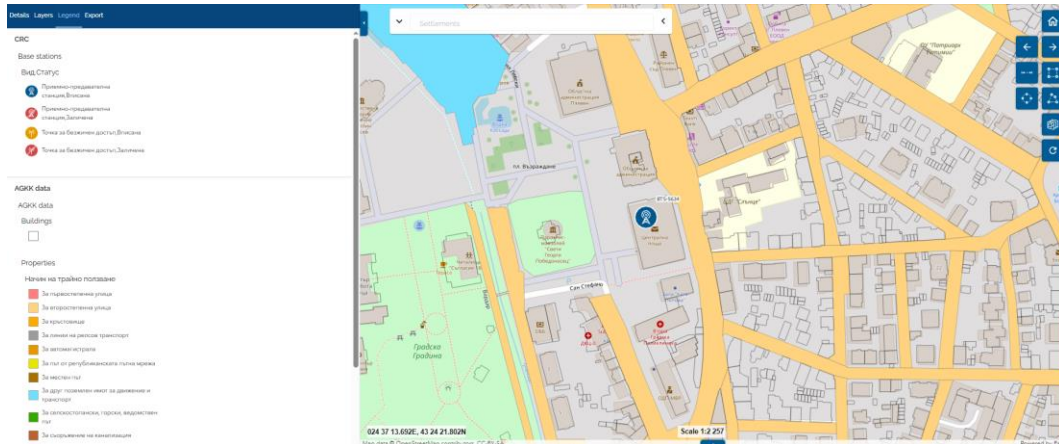
- Planned or ongoing construction, deployment and installation activities
- Register of Constatatory Acts for the Removal of ECN under Art.64(3) of the ECNPIA
- Register of invitations to remove of ECN under Art.66(3) of the ECNPIA
- Register of deployed and upgraded ECN

*Fig. Layer Management Interface*

The system provides the functional capability to view the legend via the "Legend" panel, located in the left section of the application.

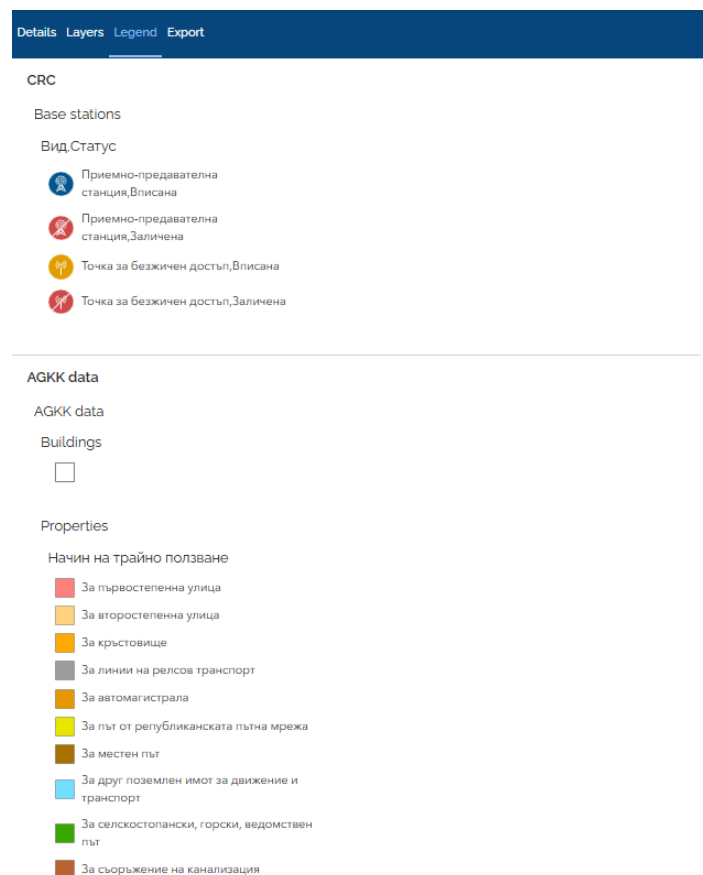


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*Fig. Map Interface and "Legend" Panel*

Active layers at the current scale are visualized with their corresponding symbols:



*Fig. Legend Interface*



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## 6.3 Printing

The system provides the capability to create a map for printing in the “Export” panel via two sections: “Layout” and “Map Only”. The difference between the “Layout” and “Map Only” sections is that in “Layout” the output file contains map marginalia elements (title, legend, scale, etc.), while the output file via “Map Only” contains only the visible map extent.

*Fig. “Export” Panel, “Layout” Section*

### **Functional capabilities of the “Export” panel:**

Command	Description
<b>Title</b>	Provides the ability to enter a file title.

Title  
Title of file



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## Page Setup

Page setup

- A4\_Пейзаж
- A4\_Пейзаж**
- A4\_Портрет
- A3\_Пейзаж
- A3\_Портрет

Provides the ability to set the page format from a dropdown menu.

## File Format

File format

- PDF
- PDF**
- PNG32
- PNG8
- JPG
- GIF
- EPS
- SVG
- SVGZ
- AIX
- TIFF

Provides the ability to set the output file format from a dropdown menu.

## Set Scale

Set scale

2256.994353

Provides the ability to set a specific map scale to be saved in the output file.

## Set Scale from Map



Provides the ability to return to the scale the map is actually in at the moment of saving the file.

## Author

Author

Provides the ability to enter the author of the file.

## Copyright

Copyright

Provides the ability to enter copyrights for the file.

## DPI

DPI

96

Provides the ability to set the resolution for printing the file.



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### Width

Height

Provides the ability to set the width of the visible map extent.

### Height

Width

Provides the ability to set the height of the visible map extent.

### Swap Values



Provides the ability to swap the “Width” and “Height” values.

### Export

Export

Provides the ability to create an output file for subsequent printing.

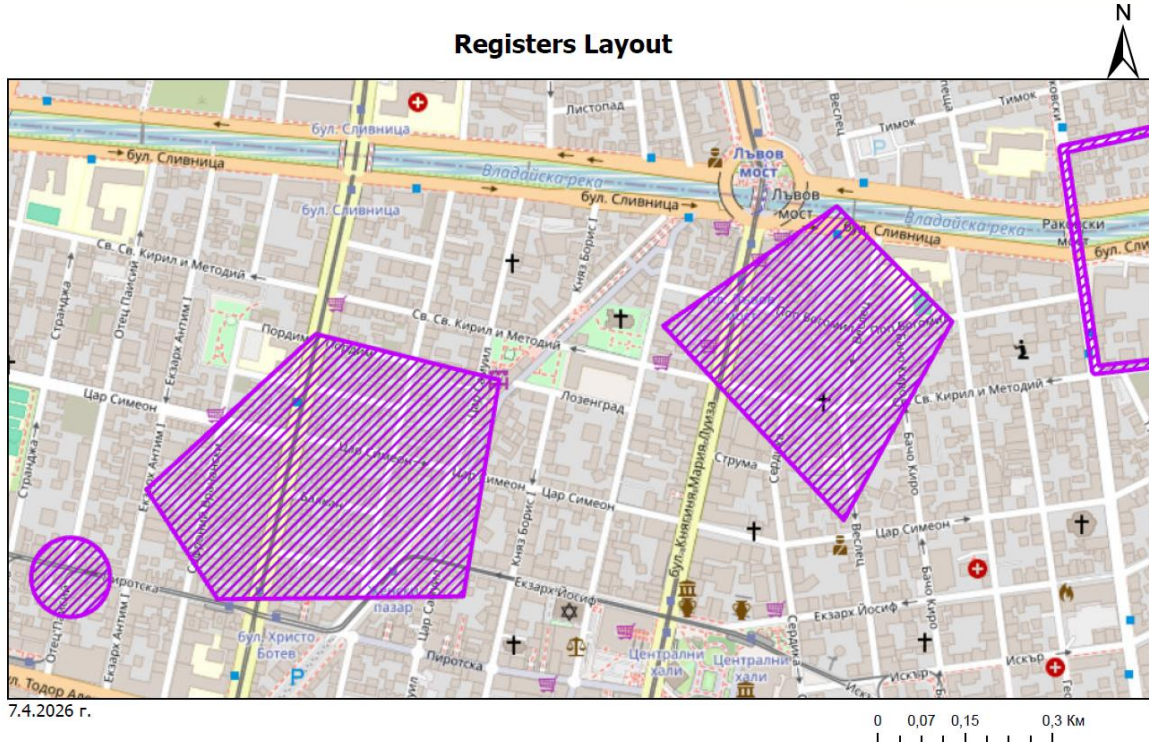
Clicking the “Export” button creates a print document.



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### Registers Layout



Планирани или  
текущи дейности  
по строителство,  
разполагане и  
монтаж

Fig. Print map created via the "Layout" section



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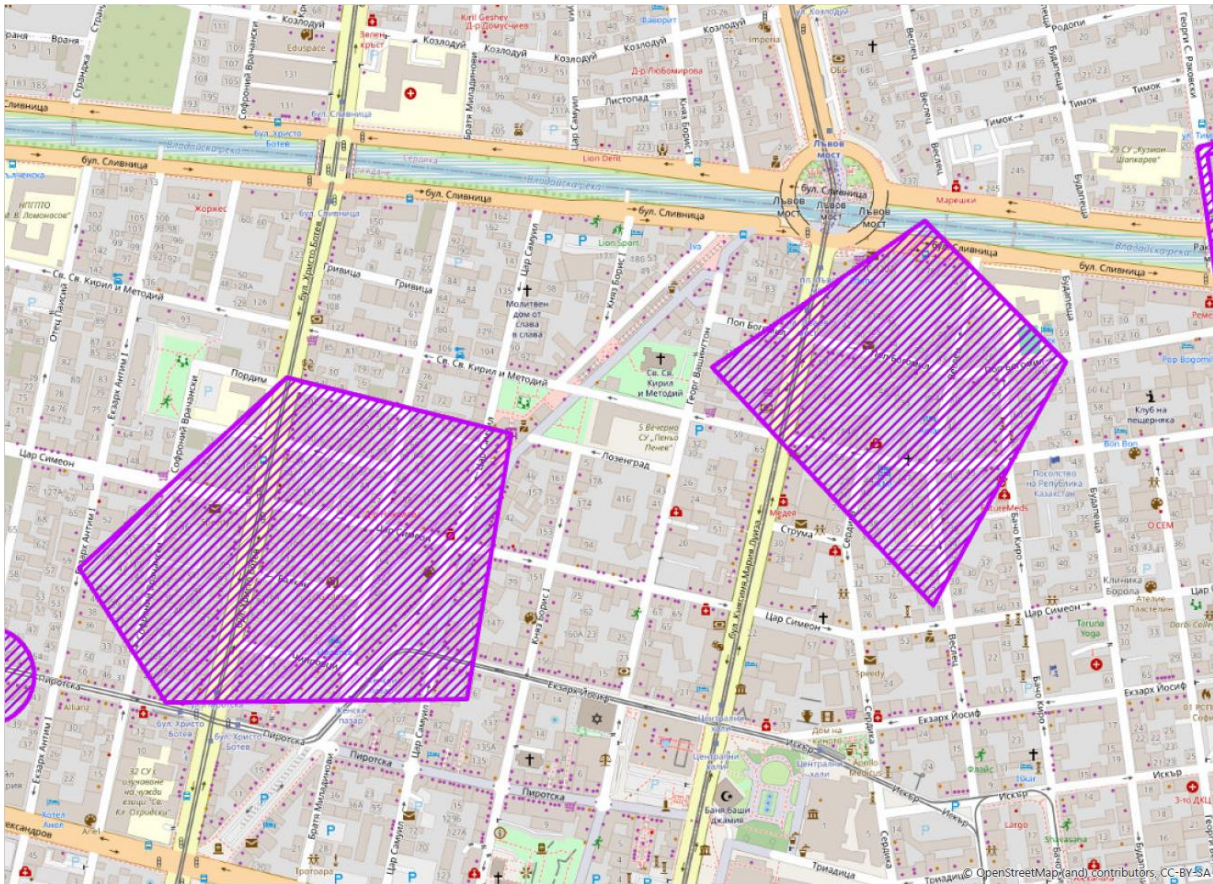


Fig. Print map created via the “Map Only” section



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## 7 Registers

The system includes various registers developed within the "Registers" module, including:

- Register of planned and ongoing construction, deployment, and installation activities;
- Register of announcements under Article 20, paragraph 4 of the ECNPIA
- Register of violation reports of electronic communications networks (ECN);
- Register of installed and improved ECN;
- Register of conclusive acts for the removal of ECN under Article 66, paragraph 3 of the ECNPIA
- Register of investment intentions.



*Fig. "Registers" Module Interface*

### 7.1 Register of Planned and Ongoing Activities

The system features a "GIS-based electronic register of planned and ongoing construction, deployment, and installation activities of physical infrastructure," offering capabilities for searching, map identification, registry browsing, detailed data review, data export, and the creation of new activities.



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The register contains information regarding:

- Operator name;
- Activity name;
- Activity status;
- Activity type;
- Start date;
- Expected end date;
- Planned date for submission of the final project;
- Type of physical infrastructure;
- Physical infrastructure in the scope of or affected by the activity.

The register loads in a resulting attribute table after clicking the *"Registers"* -> *"Activities Register"* button.

The screenshot displays the 'Activities Register' interface. At the top, there is a navigation menu with options: HOME, MAP, REGISTERS, SERVICES, BROADBAND ACCESS, OPEN DATA, ABOUT THE SYSTEM, TO NAP. Below the menu is a search bar labeled 'Settlements'. The main area features a map of the Balkan region with a red location marker. Below the map is a table with the following data:

Operator name	Activity name	Activity status	Activity type	Start date
Община Айтос	тест	текущи	Разполагане	
МТИТС	1	текущи	Строителство	01.06.2026
МТИТС	2	текущи	Разполагане	28.05.2026

Fig. "Activities Register" Interface

Functional capabilities in the "Activities Register":

Command	Description
---------	-------------



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<b>Next Page</b>		Enables scrolling the attribute table to the next page.
<b>Previous Page</b>		Enables scrolling the attribute table to the previous page.
<b>Close</b>		Enables closing the attribute table.
<b>Search by Polygon</b>		Enables filtering the register by drawing a polygon on the map.
<b>Search by Rectangle</b>		Enables filtering the register by drawing a rectangle on the map.
<b>Create New Activity</b>		Provides the ability to create a new activity.
<b>Export CSV</b>		Enables exporting objects in .csv format.
<b>Export to Excel</b>		Enables exporting objects in .excel format.
<b>Load from Map</b>		Enables spatial filtering of objects based on the visible map extent.
<b>Refresh</b>		Provides the ability to remove all filters.
<b>Organization</b>	<input type="text" value="Organization"/>	Enables entering an organization name as a filtering criterion.



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<b>Keywords</b>	<input type="text" value="Keywords"/>	Enables entering keywords as a filtering criterion.
<b>Date From</b>	<input type="text" value="Date from"/>	Enables entering a start date as a filtering criterion.
<b>Date To</b>	<input type="text" value="to"/>	Enables entering an end date as a filtering criterion.
<b>Territory</b>	<input type="text" value="Territory"/>	Enables entering a municipality or settlement as a filtering criterion.
<b>Filter</b>		Executes the filtering process.
<b>Clear Filter</b>		Cancels the applied filtering.

### 7.1.1 Search and queries by criteria

The system provides the functional capability to perform searches and queries based on specific criteria:

- Organization – input organization name;
- Keywords – input keywords;
- Date From – select the start of the period;
- To – select the end of the period;
- Territory – input territory.

The system provides tooltips/suggestions during input (e.g., when searching by organization):





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Fig. List interface with search hints by organization

The registry offers various functionalities for managing the search process, located in the upper-right corner of the interface. The main ones are:

**Filter** -  - loads objects from the activity register based on selected filters.

**Clear Filter** -  - clears the specified filters.

Operator name	Activity name	Activity status	Activity type	Start date
НЕТУОРКС - БЪЛГАРИЯ ЕООД	изградяване на канализации	планирани	Строителство, Разполагане, Монтаж	15.05.2025 10:48:12
НЕТУОРКС - БЪЛГАРИЯ ЕООД	изградяване на стълбове за улично осветление	планирани	Строителство	01.04.2025 10:24:21
НЕТУОРКС - БЪЛГАРИЯ ЕООД	чл. 63, ал. 1, ал. 2 от ЗЕСММ обн. ДВ бр. 21 от 09.03.2017.	планирани	Строителство, Разполагане, Монтаж	11.03.2025 15:11:04

Fig. Activity Register Interface after filtering

## 7.1.2 Identification of activities from the map

The system provides tools for identifying activities directly from the map, located at the bottom of the attribute table:



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- loads a register of objects from the register of activities that intersect the drawn area on the map by the corresponding rectangular extend;



- loads a register of objects from the register of activities that intersect the drawn area on the map within the corresponding polygon extent.

Identified objects are loaded in the "Details" panel.

### 7.1.3 Reviewing Detailed Activity Data

The system allows reviewing detailed information about a selected or identified object from the register.

#### Additional functionalities:

Additional functionalities appear after the user selects a row from the attribute table with the mouse.

Operator name	Activity name	Activity status	Activity type	Start date
МТИТС	Адени	текущи	Разполагане	
МТИТС	test	планирани	Строителство	
МТИТС	57	планирани	Строителство	

Command		Description
<b>Zoom in</b>		Provides the ability to zoom in on the map to the object.
<b>Mark on map</b>		Provides the option to mark the object on the map.
<b>Preview in Details panel</b>		Provides the option to add the property to the "Details" panel and view detailed information about it.

After clicking the button additional information (detailed data) about an object from the register is displayed, and it is loaded into the "Details" panel.



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1 PLANNED OR ONGOING CONSTRUCTION, DEPLOYMENT AND INSTALLATION ACTIVITIES	
Изграждане на подземно оптично трасе	
START DATE	14.07.2019 00:00:00
EXPECTED END DATE	15.07.2020 00:00:00
ESTIMATE DATE FOR SUBMISSION OF THE FINAL DRAFT	
DURATION (IN CALENDAR DAYS)	12 МЕСЕЦА
NAME OF ACTIVITY	ИЗГРАЖДАНЕ НА ПОДЗЕМНО ОПТИЧНО ТРАСЕ
TYPE OF ACTIVITY	РАЗПОЛАГАНЕ
DESCRIPTION OF ACTIVITIES	ИЗТЕГЛЯНЕ НА КАБЕЛИ
CODE OF ACTIVITY STATUS	2
STATUS OF ACTIVITY	ТЕКУЩИ
OPERATOR NAME	НЕТУОРКС - БЪЛГАРИЯ ЕООД
FULL OPERATOR NAME	НЕТУОРКС - БЪЛГАРИЯ ЕООД
ADDRESS	ГР. РУСЕ, УЛ. "ЦЪРКОВНА НЕЗАВИСИМОСТ" № 19, ЕТ.2
OPERATOR PHONE NUMBER	0875123488
OPERATOR EMAIL	YONCHINAA@NETWORX-BG.COM
OPERATOR SITE	<a href="https://www.network.bg">HTTPS://WWW.NETWORK.BG</a>
COMPETENCIES	
ORGANIZATION STATUS	1
STATUS OF THE ORGANIZATION (ACTIVE/INACTIVE)	АКТИВНА
ORGANIZATION STATUS (DESCRIPTION)	TEST11
CODE OF ORGANIZATION TYPE	1
ORGANIZATION TYPE	МРЕЖОВИ ОПЕРАТОР
EXECUTOR OF CONSTRUCTION	АГРОКОНСТРУКШЪН ООД
ACTIVITIES	
CONSTRUCTION TYPE	ПОДЗЕМНО ОПТИЧНО ТРАСЕ
CODE OF PHYSICAL INFRASTRUCTURE TYPE	99

Fig. Viewing detailed information about an object from the "Activities Register" in the "Details" panel – sample data

The following buttons are also located in the details panel:



- Mark on the map - the location is marked on the map;



- Zoom in - the map zooms in on the selected object.

#### 7.1.4 Exporting Data from the registry

The system provides the functionality to export data from the registry in the following file formats:



- Export to Excel - exports objects from the registry in .XLSX format.



- Export to CSV format - exports objects from the registry in .CSV format.



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## 7.2 Register of announcements

The system provides access to the “Electronic Register of announcements for the provision of rights of access to and shared use of physical infrastructure”, with capabilities for searching, viewing detailed information about a selected announcement, and exporting data from the register.

The register contains information on:

- Date of publication;
- Name of operator;
- Number of announcement per operator;
- Type of physical infrastructure;
- Physical infrastructure for which the right will be provided;
- Type of provided right;
- Planned date for the start of the right provision;
- Final date of the provided right.

The registry is loaded into a results attribute table after clicking the "Registers" -> "Register of announcements" button.

The screenshot displays the web interface for the Register of announcements. At the top, there is a navigation menu with options: HOME, MAP, REGISTERS, SERVICES, BROADBAND ACCESS, OPEN DATA, ABOUT THE SYSTEM, and TO MAP. Below the menu is a search bar with the text "Settlements" and a dropdown arrow. The main area features a map of the Balkan region, showing countries like Bulgaria, Serbia, and Romania, with various cities and infrastructure marked. Below the map, there is a search filter for "Organization" and a search bar. The results are displayed in a table with the following columns: Date of publication, Name of operator, Announcement number from the operator, Type of physical infrastructure, and Physical infrastructure for which the right will be provided. The table shows three entries, all from the operator "МТИТС".

Date of publication	Name of operator	Announcement number from the operator	Type of physical infrastructure	Physical infrastructure for which the right will be provided
26.05.2026	МТИТС	3	Газопроводна и газоразпределителна мрежа	
08.04.2026	МТИТС	76K	Газопроводна и газоразпределителна мрежа	
28.05.2026	МТИТС	22 - текст	Газопроводна и газоразпределителна мрежа	

Fig. Register of announcements Interface

### Functionalities in Register of announcements:



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Command		Description
Next page		Provides the option to navigate to the next page of the attribute table.
Previous Page		Provides the option to navigate to the previous page of the attribute table.
Close		Provides the option to close the attribute table.
Create new announcement		Provides the option to create a new activity.
Export to CSV		Provides the option to export objects in CSV format.
Export Data to Excel		Provides the ability to export objects in Excel format.
Refresh		Provides the ability to remove all filters.
Organization	<input type="text" value="Organization"/>	Provides the ability to enter an organization name as a filtering criterion.
Keywords	<input type="text" value="Keywords"/>	Provides the option to enter keywords as a filtering criterion.
Start Date	<input type="text" value="Date from"/>	Provides the option to enter a start date as a filtering criterion.



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**End Date**

to  

Provides the option to enter an end date as a filtering criterion.

**Filtering**



Provides the ability to filter.

**Clear Filters**



Provides the ability to clear the filters.

### **7.2.1 Search and queries by criteria**

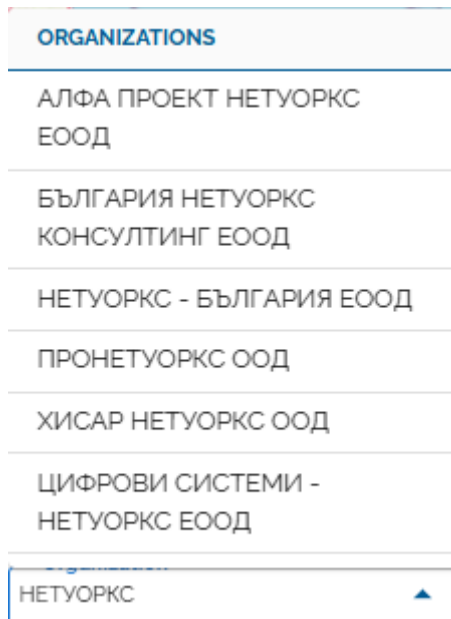
The system provides the functionality to perform searches and queries based on specific criteria:

- Organization - enter an organization;
- Keywords - enter a keyword;
- Date from - select the start of the period;
- To - select the end of the period;

The system provides the functionality to display hints during the input process, for example:




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*Interface of a list of hints when searching by organization*

The register offers various functionalities for managing the search process, located in the upper right part of the interface, the main ones being:

**Filtering** -  - loads a list of objects based on the selected filters;


**Clear filtering** -  - clears the set filters.

Date of publication	Name of operator	Number of announcement per operator	Type of physical infrastructure	Physical infrastructure for which the right will be provided...
03.04.2025 15:31:49	МПТИС	7809-89	Инфраструктура за разполагане на ЕСМ	
30.08.2021 00:00:00	"МЕЗ Разпределение България" АД		Електроенергосна и електроразпределителна мрежа	въздушна/стълбовна разпределителна електрическа ...
30.03.2021 00:00:00	Община Перник		Електронна съобщителна мрежа	Предоставяне на достъп до физическа инфраструктура.

*Fig. Register of announcements interface after filtering*

## 7.2.2 Reviewing Detailed Announcement Data

The system allows for the review of detailed data for a selected object from the register.

After clicking the button  additional information (detailed data) for the object from the register is displayed as it loads into the "Details" panel.



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ANNOUNCEMENTS FOR PROVIDING ACCESS RIGHTS TO AND JOINT USE OF PHYSICAL INFRASTRUCTURE	
Топлопреносна и топлоразпределителна мрежа	
ANNOUNCEMENT NUMBER WITH THE OPERATOR	
PUBLICATION DATE	18.03.2026 13:31:05
PLANNED DATE FOR GRANTING THE RIGHT	
FINAL DATE OF THE PROVIDED RIGHT	
NAME OF THE OPERATOR	НЕТУОРКС - БЪЛГАРИЯ ЕООД
FULL NAME OF THE OPERATOR	НЕТУОРКС - БЪЛГАРИЯ ЕООД
ADDRESS	ГР. РУСЕ, УЛ. "ЦЪРКОВНА НЕЗАВИСИМОСТ" № 19, ЕТ.2
PHONE NUMBER	0875123488
EMAIL	YONCHINAA@NETWORX-BG.COM
WEBSITE	<a href="https://www.networx.bg">HTTPS://WWW.NETYORK.BG</a>
COMPETENCIES	
STATUS OF THE ORGANIZATION	1
STATUS OF THE ORGANIZATION (ACTIVE/INACTIVE)	АКТИВНА
STATUS OF THE ORGANIZATION (DESCRIPTION)	TEST11
CODE OF ORGANIZATION TYPE	1
TYPE OF ORGANIZATION	МРЕЖОВИ ОПЕРАТОР
CODE OF PROVIDED RIGHT TYPE	1
TYPE OF THE PROVIDED RIGHT	ПРАВА ПО ЧЛ. 15, АЛ. 1 ОТ ЗЕСМФИ
TYPE OF PHYSICAL INFRASTRUCTURE	ТОПЛОПРЕНОСНА И ТОПЛОРАЗПРЕДЕЛИТЕЛНА МРЕЖА
Documents:	
<a href="#">New Microsoft Excel Worksheet (2).xlsx</a>	

Fig. Review of detailed information for an object from the "Register of Announcements" in the "Details" panel – illustrative data

### 7.2.3 Exporting Data from the register

The system provides the functional capability to export data from the register in the following file formats:

 - Export to Excel – exports the objects from the register in .XLSX format.

 - Export to CSV format – exports the objects from the register in .CSV format.

## 7.3 Register of violation reports

The system maintains an "Electronic register of violation reports" which displays only those violation reports approved by an administrator. It includes



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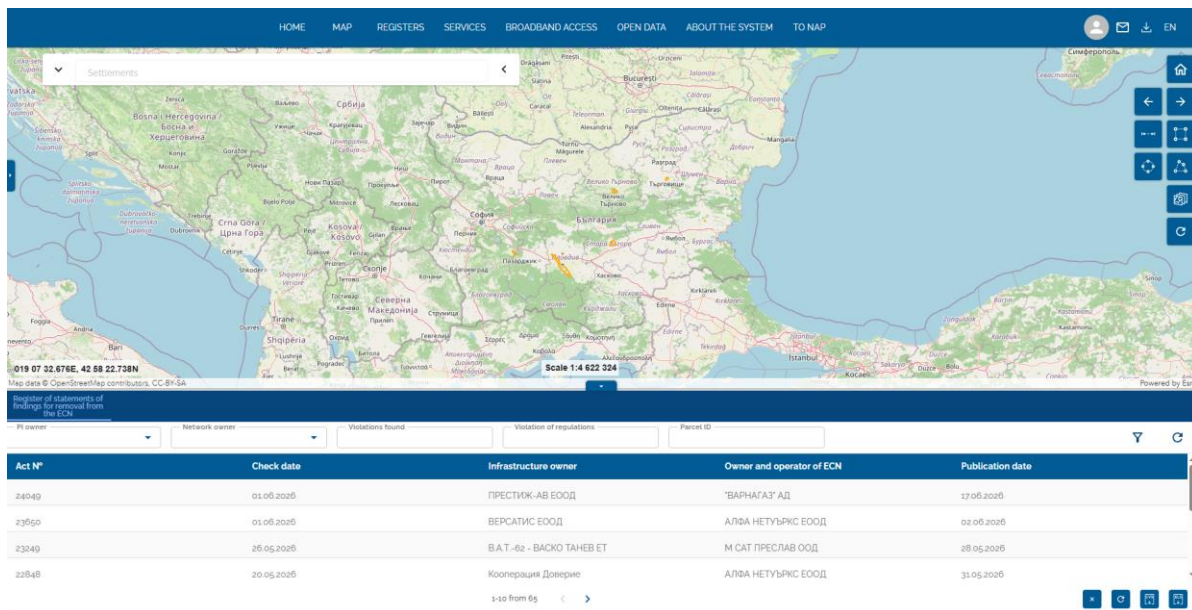


capabilities for searching, reviewing detailed data for a selected violation report, and exporting data from the register.

The register contains information regarding:

- Act number;
- Check date;
- Infrastructure owner;
- Owner and operator of ECN;
- Publication date.

The register loads in a resulting attribute table after clicking the button "*Registers*" -> "*Register of violation reports.*"



*Fig. Interface of the "Register of violation reports "*







Functional capabilities in the Register of violation reports:

Command	Description
---------	-------------



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<b>Next page</b>		Provides the ability to scroll the attribute table to the next page.
<b>Previous page</b>		Provides the ability to scroll the attribute table to the previous page.
<b>Close</b>		Provides the ability to close the attribute table.
<b>Refresh</b>		Provides the ability to remove all filters.
<b>Export CSV</b>		Provides the ability to export objects in csv format.
<b>Export data to Excel</b>		Provides the ability to export objects in excel format.
<b>PI Owner</b>	<input type="text" value="FI owner"/>	Provides the ability to enter the name of the physical infrastructure owner as a criterion for filtering.
<b>Network owner</b>	<input type="text" value="Network owner"/>	Provides the ability to enter the name of the network owner as a criterion for filtering.
<b>Violations found</b>	<input type="text" value="Violations found"/>	Provides the ability to enter violations found as a criterion for performing filtering.
<b>Violation of regulations</b>	<input type="text" value="Violation of regulations"/>	Provides the ability to enter violation of regulations as a



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		criteria for performing filtering.
<b>Parcel ID</b>	<input type="text" value="Parcel ID"/>	Provides the ability to enter a Parcel ID as a criteria for filtering.
<b>Filtering</b>		Provides the ability to filter.
<b>Cancel filtering</b>		Provides the ability to cancel the filtering.

### 7.3.1 Search and queries by criteria

The system provides the functional capability to perform searches and queries based on specific criteria:

- PI Owner;
- Network owner;
- Violations found;
- Violation of regulations;
- Parcel ID.

The system provides the functional capability to display suggestions during the input process, for example:

When entering a PI owner:

The screenshot shows a search input field with the text "PI owner" and "ВИВА" entered. Below the input field, a dropdown menu is open, displaying a list of suggestions under the heading "ORGANIZATIONS". The suggestions are:

- ВИВА - ДОЧКА ВЪЛКОВА ЕТ
- ВИВА - ДОЧКА ИВАНОВА ЕООД
- Виваком България ЕАД
- ВИВА ЛАН ЕООД



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Fig. Hint interface when filtering by FI owner

When entering a network owner:

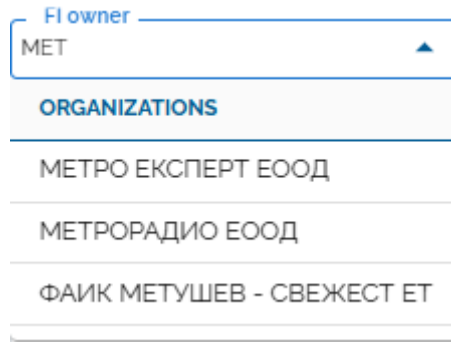




Fig. Hint interface for entering a network owner

The register includes functionalities for managing the search process, located in the upper right part of the interface, which are:

**Filtering** -  - loads a register of objects from the activities register, depending on the selected filters;


**Cancel filtering** -  - clears the specified filters.

Act N°	Check date	Infrastructure owner	Owner and operator of EON	Publication date
9544	25.09.2025	ВМБА - ДОЧКА ВЪЛКОВА ЕТ	ЕТА ДОЛНИ ЛЪКОВИТ 2 ЕООД	25.09.2025
32	04.08.2025	ВМБА - ДОЧКА ВЪЛКОВА ЕТ	ВМБА ЛАН ЕООД	04.08.2025
14	01.08.2025	ВМБА - ДОЧКА ВЪЛКОВА ЕТ	НЕТ 8 ПЛЮС ЕООД	01.08.2025

Fig. Interface of the register after filtering by the "PI Owner" criterion

### 7.3.2 Reviewing detailed data for violation reports

The system allows for the review of detailed data for a selected object from the register.

After clicking the button  for a selected object from the register, additional information (detailed data) for the object is displayed as it loads into the "Details" panel.



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Details Layers Legend Export

1 REGISTER OF STATEMENTS OF FINDINGS FOR REMOVAL FROM THE ECN

№: 14 /Data: 01.08.2025 г.

ACT №	14
CHECK DATE	01.08.2025
PUBLICATION DATE	01.08.2025
TYPE AND DESCRIPTION OF THE INSPECTED COMMUNICATION INFRASTRUCTURE	TESTE TSTEST
EKATTE	56784
LAND PARCEL (LP) WHERE THE INFRASTRUCTURE IS LOCATED	56784.531.1001
LOCATION DESCRIPTION	ГР. ПЛОВДИВ, УЛ. КОНСТАНТИН НУНКОВ 2
PHYSICAL INFRASTRUCTURE OWNER	ВИВА - ДОЧКА ВЪЛКОВА ЕТ
NETWORK OWNER	НЕТ 8 ПЛЮС ЕООД
VIOLATIONS FOUND	ЛИПСА НА РАЗРЕШИТЕЛНО
VIOLATION OF REGULATIONS	ЧЛЗ, АЛ2

*Фиг. Review of detailed information for an object from the "Electronic register of violation reports" in the "Details" panel – illustrative data*

The following buttons are also located in the details panel:



- Mark on the map - the object is highlighted on the map;



- Zoom to - the map zooms in to the selected object;

### 7.3.3 Exporting data from the register

The system provides the functional capability to export data from the register in the following file formats:



- Export to Excel - exports objects from the register in .XLSX format.



- Export to CSV format - exports objects from the register in .CSV format.



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## 7.4 Register of installed and improved ECN

The system provides access to a "GIS-based electronic register of installed and improved electronic communications networks," featuring capabilities for searching, reviewing detailed data for a selected ECN, and exporting data from the register.

The register contains information regarding:

- Date and time of application registration;
- Submitter – organization name;
- Actuality;
- Description of location.

The register loads in a resulting attribute table after clicking the button "Registers" -> "Register of installed and improved ECN."

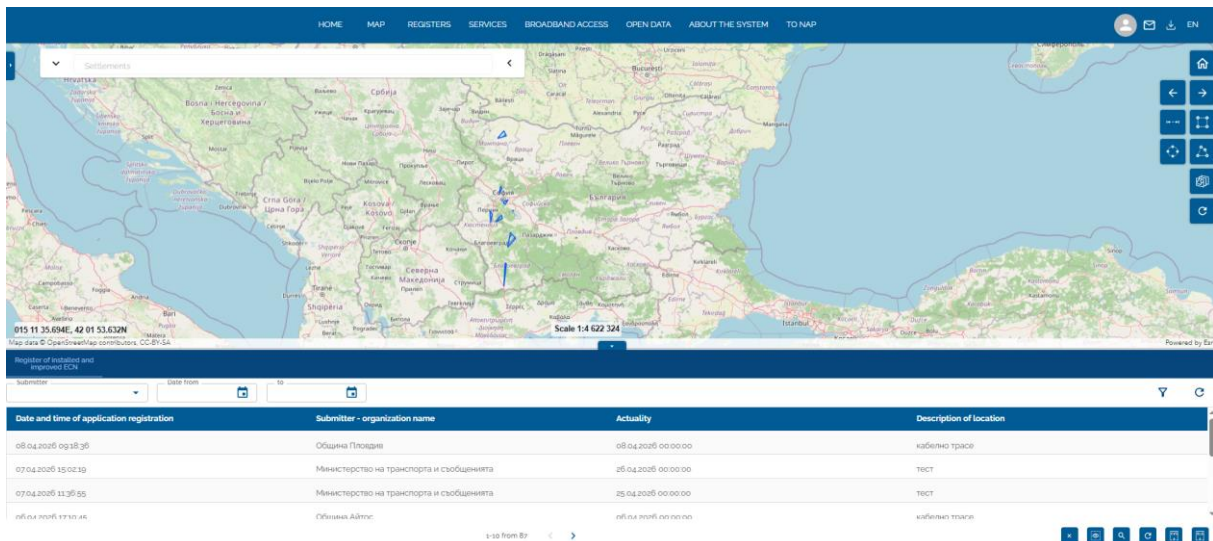


Fig. Interface of the "Register of installed and improved ECN"










### Functional capabilities in the "Register of installed and improved ECN":

Command	Description
Next page >	Provides the ability to scroll the attribute table to the next page.



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<b>Previous page</b>		Provides the ability to scroll the attribute table to the previous page.
<b>Close</b>		Provides the ability to close the attribute table.
<b>Mark all on map</b>		Provides the ability to mark all objects from the attribute table before or after filtering.
<b>Export CSV</b>		Provides the ability to export objects in csv format.
<b>Export to Excel</b>		Provides the ability to export objects in excel format.
<b>Load from map</b>		Provides the ability for spatial filtering of objects based on the visible map extent.
<b>Refresh</b>		Provides the ability to remove all filters.
<b>Filtering</b>		Provides the ability to filter.
<b>Cancel filtering</b>		Provides the ability to cancel the filtering.

#### 7.4.1 ***Search and queries by criteria***

The system provides the functional capability to perform searches and queries based on specific criteria:

- Submitter;
- Date from;
- Date to.

The system provides the functional capability to display suggestions during the input process, for example, when entering a submitter.



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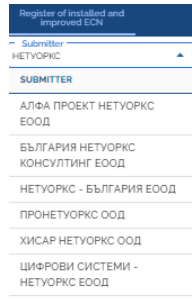




Fig. Interface of suggestions when entering a submitter

The register includes functionalities for managing the search process, located in the upper right part of the interface, which are:

**Filtering** -  - loads a register of objects from the activities register, depending on the selected filters;

**Cancel filtering** -  - clears the specified filters.

Date and time of application registration	Submitter - organization name	Actuality	Description of location
01.06.2026 16:04:07	NETUORКС - БЪЛГАРИЯ ЕООД	01.06.2026 00:00:00	МРЕЖА
22.05.2026 14:55:04	NETUORКС - БЪЛГАРИЯ ЕООД	22.05.2026 00:00:00	МРЕЖА
28.04.2026 13:34:32	NETUORКС - БЪЛГАРИЯ ЕООД	28.04.2026 00:00:00	МРЕЖА
28.04.2026 13:16:26	NETUORКС - БЪЛГАРИЯ ЕООД	28.04.2026 00:00:00	МРЕЖА1

Fig. Interface of the register of installed and improved ECN after filtering by sender

#### 7.4.2 Reviewing detailed data for installed and improved ECN

The system allows for the review of detailed data for a selected object from the register.

##### Additional functionalities:

Additional functionalities appear after the user hovers over a row in the attribute table with the mouse.



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Date and time of application registration	Submitter - organization name	Actuality	Description of location
08.04.2026 09:18:36	Община Пловдив	08.04.2026 00:00:00	кабелно трасе
07.04.2026 15:02:19	Министерство на транспорта и съобщенията	26.04.2026 00:00:00	ТЕСТ
07.04.2026 11:05:22	Министерство на транспорта и съобщенията	26.04.2026 00:00:00	ТЕСТ

Command		Description
Zoom to		Provides the ability to zoom the map to the object.
Mark on map		Provides the ability to mark the object on the map.
Preview in "Details" panel		Provides the ability to load the object into the "Details" panel and review detailed information about it.

After clicking the button additional information (detailed data) for the object from the register is displayed as it loads into the "Details" panel.

REGISTER OF INSTALLED AND IMPROVED ECN	
Община Пловдив	
DATE AND TIME OF REGISTRATION OF THE APPLICATION	08.04.2026 09:18:36
DATE AND TIME OF COMPLETION OF THE SERVICE	08.04.2026 09:18:36
SUBJECT	ОПЕРАТОРЪТ НА ЕСМ ЖЕЛАЕ ДА РЕГИСТРИРА СЛЕДНАТА ЕСМ, РАЗПОЛОЖЕНА ПО РЕДА НА ЧЛ. 51 ОТ ЗЕСМФИ: 21341
DESCRIPTION OF THE LOCATION	КАБЕЛНО ТРАСЕ
CODE OF REGISTRATION STATUS	3
REGISTRATION STATUS	РЕГИСТРАЦИЯ НА МРЕЖА
ACTUALNESS	08.04.2026 00:00:00
EIK OF THE OPERATOR	000471504
NAME OF THE SUBMITTER ORGANIZATION	ОБЩИНА ПЛОВДИВ

Fig. Preview of detailed data of a record from the register – illustrative data



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### 7.4.3 Exporting data from the register

The system provides the functional capability to export data from the register in the following file formats:



- Export to Excel – exports the objects from the register in .XLSX format.



- Export to CSV format – exports the objects from the register in .CSV format.

## 7.5 Register of invitations to remove ECN

The system features an "Electronic register of invitations to remove ECN" which provides capabilities for searching, reviewing detailed data for a selected invitation, and exporting data from the register.

The register contains information regarding:

- Number of invitations;
- Type and description of the ECN elements subject to removal;
- Date of detection;
- Date of publication;
- Location description – locality, address, street section, etc.;
- Settlement;
- ECN Operator (description of the violator);
- Identifier of immovable property (IP) where the ECN is located;
- Deadline for voluntary removal (at least 2 months after publication).

The register loads into a resulting attribute table after clicking the button "Registers" -> "Register of invitations to remove ECN."



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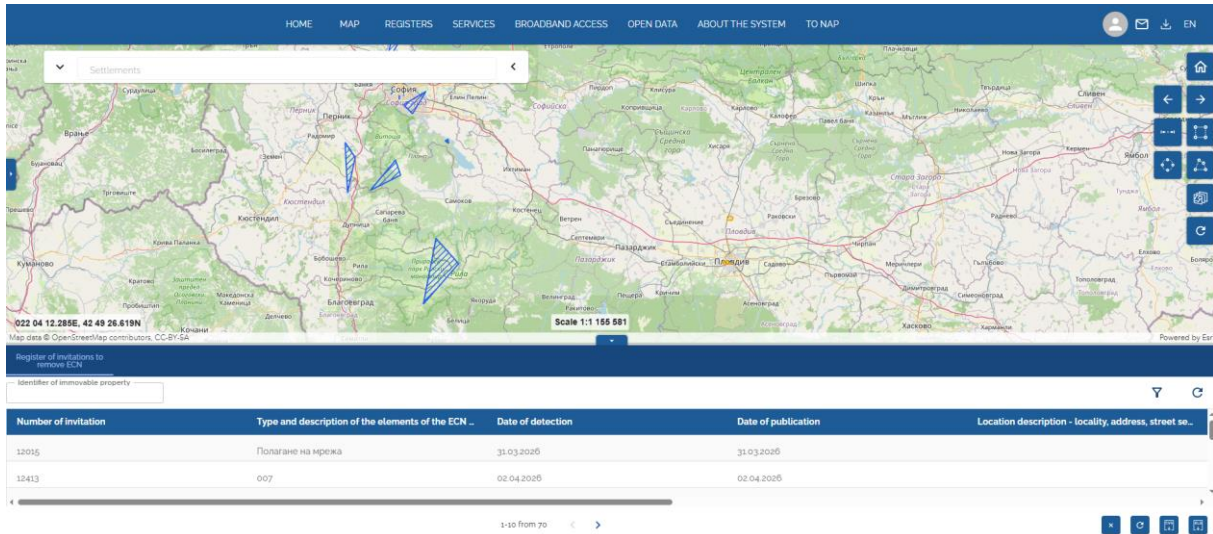


Fig. Interface of the "Register of invitations to remove ECN"

Functional capabilities in the "Register of invitations to remove ECN":

Command		Description
Next page		Provides the ability to navigate to the next page of the attribute table.
Previous page		Provides the ability to navigate back to the previous page in the attribute table.
Close		Provides the ability to close the attribute table.
Create a new invitation		Provides the ability to create a new invitation.
Export CSV		Provides the ability to export items in CSV format.
Export data to Excel		Provides the ability to export objects in Excel format.
Refresh		Provides the ability to remove all filters.




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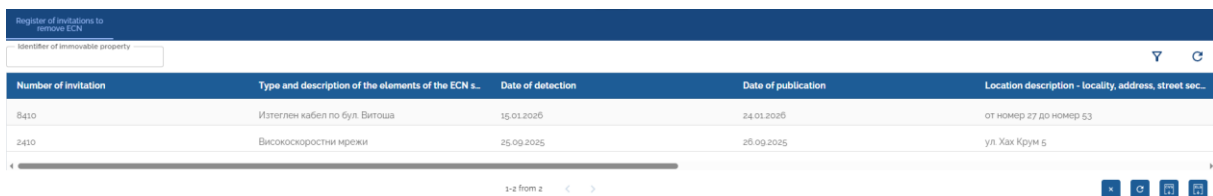
### 7.5.1 Search and queries by criteria

The system provides the functionality to perform searches and queries by property ID.

The register includes functionalities for managing the search process, located in the upper right part of the interface:

**Filtering** -  - loads the register of objects from the activities register based on the selected filters.

**Clear filtering** -  - clears the specified filters.



Number of invitation	Type and description of the elements of the ECN	Date of detection	Date of publication	Location description - locality, address, street sec...
8410	Изтеглен кабел по бул. Витоша	15.01.2025	24.01.2025	от номер 27 до номер 53
2410	Високоскоростни мрежи	25.09.2025	25.09.2025	ул. Хай Крум 5

*Interface of invitations to remove ECN after filtering by property identifier*

### 7.5.2 Reviewing detailed data for invitations to remove ECN



The system allows for the review of detailed data for a selected object from the register.

#### Additional functionalities:

Additional functions appear when the user hovers over a row in the attribute table with the mouse:



Number of invitation	Type and description of the elements of the ECN	Date of detection	Date of publication	Location description - locality, address, street sec...
17214	кабели	01.06.2025	02.06.2025	1

Command	Description
<b>Zoom to</b>	 Provides the ability to zoom in on the map to the object.
<b>Mark on map</b>	 Provides the ability to mark the object on the map.




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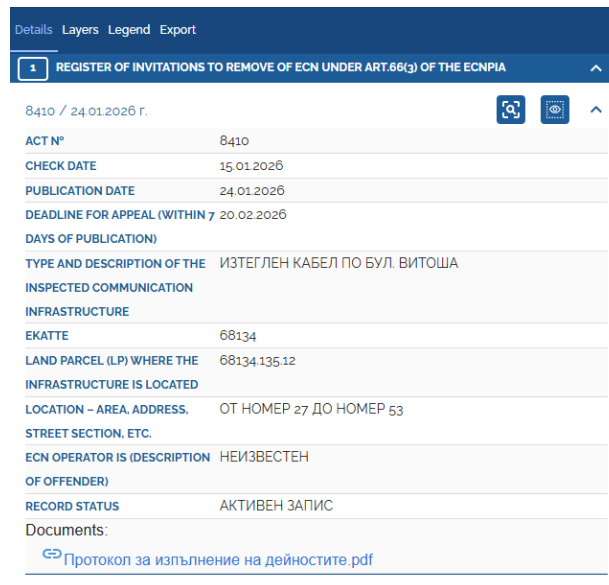


**Preview in  
"Details" panel**



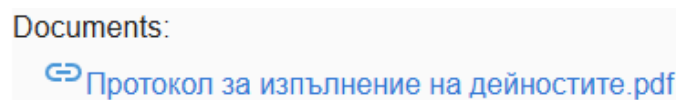
Provides the ability to upload an object to the "Details" panel and view detailed information about it.

After clicking the button , additional information (detailed data) for the register object is displayed as it loads into the "Details" panel.



*Fig. Preview of detailed data of a record from the register – illustrative data*

The system also allows for the management and downloading of attached documents.



*Fig. Interface of attached documents in the "Details" panel*

### 7.5.3 Exporting data from the registry

The system provides the functionality to export data from the registry in the following file formats:



- Export to Excel - exports objects from the registry in .XLSX format.



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- Export to CSV format - exports objects from the registry to .CSV format.

## 7.6 Register of investment intentions

The system has developed a GIS-based electronic register of investment intentions, with capabilities for searching, viewing detailed data on a selected investment intention, and exporting data from the register.

The register contains information on:

- Project name;
- Project start date;
- Expected project completion date;
- Stage of the investment project;
- Project description and notes;
- Location note.

The register is loaded into a results attribute table after clicking the "Registers" -> "Register of Investment Intentions" button.

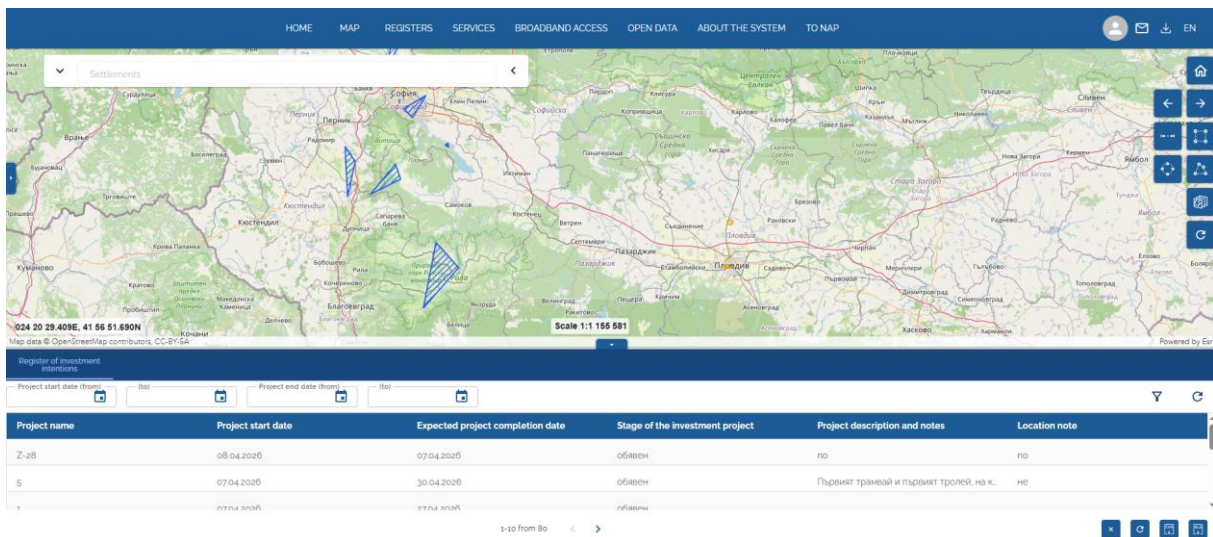


Fig. "Register of Investment Intentions" Interface

### Functionalities in the Register of Investment Intentions:

Command	Description
---------	-------------



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<b>Next Page</b>		Provides the ability to scroll the attribute table to the next page.
<b>Previous Page</b>		Provides the ability to scroll the attribute table to the previous page.
<b>Close</b>		Provides the ability to close the attribute table.
<b>Refresh</b>		Provides the ability to remove all filters.
<b>Export to CSV</b>		Provides the ability to export objects to CSV format.
<b>Export data to Excel</b>		Provides the ability to export objects to Excel format.
<b>Project start date</b>	<input type="text" value="Project start date (from)"/> 	Provides the ability to enter a start date for the project period as a filtering criterion.
<b>To</b>	<input type="text" value="(to)"/> 	Provides the ability to enter an end date for the project period as a filtering criterion.
<b>Project end date</b>	<input type="text" value="Дата за край на проект"/> 	Provides the ability to enter the start date of the project end period as a filtering criterion.
<b>To</b>	<input type="text" value="(до)"/> 	Provides the ability to enter the end date of the project end period up to the end date as a filtering criterion.
<b>Filtering</b>		Provides the ability to filter.



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**Clear Filtering**



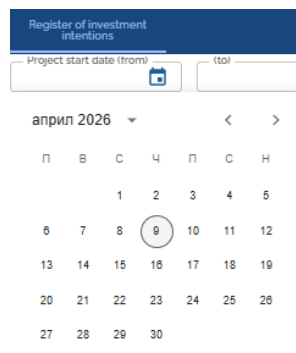
Provides the ability to clear the filter.

### 7.6.1 Search and queries by criteria

The system provides the functionality to search by criteria such as:


- Project start date (from);
- (to);
- Project end date (from);
- (to).


When searching by any of the above criteria, the user selects a date from a calendar.

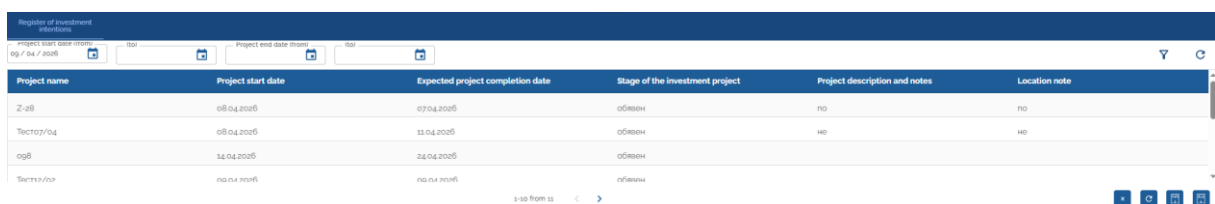


*Fig. Calendar interface in the filters of the investment intentions register*

The registry provides search process management functionalities located in the upper right part of the interface, which are:

**Filtering** -  - loads a list of objects from the activities registry based on the selected filters;

**Clear Filters** -  - clears the set filters.



Project name	Project start date	Expected project completion date	Stage of the investment project	Project description and notes	Location note
Z-08	08.04.2025	07.04.2025	обявен	но	но
Тест07/04	08.04.2025	11.04.2025	обявен	но	но
008	14.04.2025	24.04.2025	обявен		
Тест12/02	02.04.2025	02.04.2025	обявен		

*Fig. Investment intentions registry interface after filtering*



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## 7.6.2 Viewing detailed data on investment intentions


The system allows viewing detailed data for a selected object from the registry.

### Additional functionalities:

The additional functionalities appear after the user selects a row from the attribute table with the mouse.

Register of investment intentions						
Project start date (from)		(to)	Project end date (from)		(to)	Y C
Project name	Project start date	Expected project completion date	Stage of the investment project	Project description and notes	Location description	View in Details panel
Test_KK_IN_4	01.06.2026	31.12.2026	планиран	Описание на проекта и бележки	Забележка към местоположението	  

Command		Description
<b>Zoom in</b>		Provides the ability to zoom in on the object on the map.
<b>Mark on map</b>		Provides the ability to mark the object on the map.
<b>View in "Details" panel</b>		Provides the ability to load the object into the "Details" panel and view detailed information about it.

After clicking the button  additional information (detailed data) about an object from the registry is displayed, and it is loaded into the "Details" panel.



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Details	Layers	Legend	Review of investment intentions	Export
Review of investment intentions				
EXTERNAL ID.:	4			
PROJECT NAME:	5			
PROJECT START DATE:	07.04.2026 Г.			
EXPECTED PROJECT COMPLETION DATE:	30.04.2026 Г.			
PLANNED DATE (FINAL DRAFT):	25.04.2026 Г.			
DURATION (IN CALENDAR DAYS):	5			
PROJECT DESCRIPTION AND NOTES:	ПЪРВИЯТ ТРАМВАЙ И ПЪРВИЯТ ТРОЛЕЙ, НА КОИТО СА СЕ ВОЗИЛИ СТОЛИЧАНИ В НАЧАЛОТО НА 20 ВЕК, СА ЛИЦЕ НА БЛОК ОТ ПОЩЕНСКИ МАРКИ, ПОСВЕТЕНИ НА 125 ГОДИНИ СТОЛИЧЕН АВТОТРАНСПОРТ. ПЕЧАТЪТ ЗА ПУСКАНЕ В УПОТРЕБА БЕ ПОСТАВЕН ДНЕС ОТ МИНИСТЪРА НА ТРАНСПОРТА И СЪБОЩЕНИЯТА КОРМАН ИСМАИЛОВ, КМЕТА НА СОФИЯ ВАСИЛ ТЕРЗИЕВ, ЗАМЕСТНИК-КМЕТА ВИКТОР ЧАУШЕВ И ХУДОЖНИКА НА ПРОЕКТИТЕ СВЕТЛИН БАЛЕЗДРОВ. „ПРЕДИ ПОВЕЧЕ ОТ ВЕК СОФИЙСКИЯТ			

Fig. Viewing detailed data of a registry record – illustrative data

### 7.6.3 Exporting data from the registry

The system provides the functionality to export data from the registry in the following file formats:

 - Export to Excel - exports the objects from the registry in .XLSX format.

 - Export to CSV format - exports the objects from the registry in .CSV format.

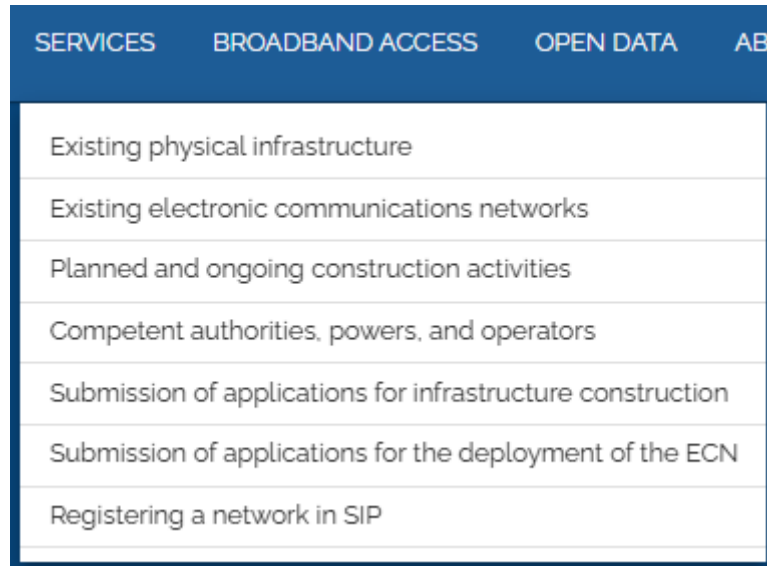


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## 8 Services

The system has developed electronic administrative services and electronic information services, which are available through the “Services” module.



*Fig. “Services” module interface*

Each service is launched by selecting it from the drop-down list.

The SIP system allows users to request the following services:

- Existing physical infrastructure;
- Existing electronic communications networks;
- Planned and ongoing construction activities;
- Competent authorities, powers, and operators;
- Submission of an application for infrastructure construction;
- Submission of an application for deployment of the ECN
- Registration of a network in SIP.

### 8.1 Existing physical infrastructure

The electronic service provides information on existing physical infrastructure for network deployment, including high-speed electronic communications networks, as well as information on access restrictions, if any, upon payment of the applicable fee, if one has been set.



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The service is requested via the “Services” tab by selecting the relevant service from the drop-down menu. The service request is a step-by-step process carried out as follows:

Step 1 – review of service information;

Step 2 – authentication/login of the applicant;

Step 3 – review of the application and declaration that the applicant is a network operator within the meaning of the ECNPIA.

Step 4 - specifying the scope of the area of interest and indicating the result;

Step 5 – review of the application;

Step 6 – downloading the result.

Navigation to the next or previous stage of the application is performed using the “Next” and “Back” buttons.



*Fig. Navigation button interface*

### **8.1.1 Step 1 – Review of service information**

Within the scope of the “Service Information” step, the user receives information regarding:

- Service name;
- Cases of application and legal basis;
- Requirements for the applicant;
- Required documents;
- Document;
- Method of application;
- Required conditions and documents upon application;
- Denial of service;
- Stages of service development;
- Content of the result;
- Deadline for completion;
- Competent authority;
- Form of provision;



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- Method of provision;
- Fee.

Details Layers Legend Services Export

Existing physical infrastructure

1 2 3 4 5

Information about the service in the GIS-based electronic platform „Single Information Point“ (SIP)

Service	Electronic service providing information on existing physical infrastructure for the deployment of networks, including high-speed electronic communications networks, as well as information on access restrictions, if any, after payment of the relevant fee, where such a fee is prescribed.
Cases of application and legal basis	Law on Electronic Communications Networks and Physical Infrastructure - Article 4, paragraph 2, item 2: Tariff for fees
Applicant	Network operator
Required documents	Not required
Document	Application
Method of application	Electronically; Note: The application is submitted electronically through the expert module WEB-GIS application to SIP, which includes an e-Services section. To submit an application, the applicant is registered in the expert module WEB-GIS application to the SIP.
Required conditions and documents upon application	Application: “The following information is entered in the application: (1.1) Spatial scope - The expert module provides users with the opportunity to select/draw the spatial scope of the area for which they wish to receive information;

Fig. Interface for step No. 1 “Service Information” from the implementation of Service 1 “Existing physical infrastructure”

To continue with the service, the user must log in to their user profile.

## 8.2 Existing Electronic Communications Networks

The electronic service for providing data, including graphical data, on existing electronic communications networks is requested through the WEB-GIS expert module, an application of the EIT.



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The electronic service is requested via the “Services” tab by selecting the relevant service from the drop-down menu. The service request is a step-by-step process carried out as follows:

Step 1 – review of service information;

Step 2 – authentication of the applicant;

Step 3 – review of the application and declaration that the applicant is a network operator within the meaning of the ECNPIA;

Step 4 - specifying the scope of the area of interest and indicating the result;

Step 5 –preview the application;

Step 6 – review the result.

To proceed to the next or previous stage of the application, use the “Next” and “Back” buttons.



*Fig. Navigation button interface*

### **8.2.1 Step 1 – review of service information**

In the “Service Information” step, the user receives information regarding:

- Service name;
- Cases of application and legal basis;
- Requirements for the applicant;
- Required documents;
- Document;
- Application method;
- Required conditions and documents for application;
- Denial service;
- Stages of service delivery;
- Content of the result;
- Deadline for completion;
- Competent authority;



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- Form of provision;
- Method of provision;
- Fee.

Existing electronic communications networks				
1	2	3	4	5
Information about the service in the GIS-based electronic platform „Single Information Point“ (SIP)				
Service	Electronic reference service providing data, including graphics, on existing electronic communications networks.			
Cases of application and legal basis	Law on Electronic Communications Networks and Physical Infrastructure – Article 4, paragraph 2, item 7.			
Applicant	Network operator			
Required documents	None			
Document	Application			
Method of application	Electronically;			

*Fig. Interface for Step 1, “Service Information,” of the implementation of Service 2, “Existing Electronic Communications Networks”*

To continue using the service, the user must log in to their account.

### 8.3 Planned and Ongoing Construction Activities

The online information service providing details on planned or ongoing construction, installation, and deployment of physical infrastructure, as well as information on access restrictions, if any, is available through the public web GIS application on the SIP.

The e-service is accessed via the “Services” tab by selecting the relevant service from a drop-down menu. The service request is a step-by-step process carried out as follows:

Step 1 – review of service information;



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Step 2 – specify the extent;

Step 3 – review the result.

To move to the next or previous stage of the application, use the “Next” and “Back” buttons.



*Fig. Navigation button interface*

### 8.3.1 **Step 1 – review service information**

In the “Service Information” step, the user reviews information regarding:

- Name of the service;
- Cases of application and legal basis;
- Requirements for the applicant;
- Required documents;
- Document;
- Method of application;
- Requirements and documents needed for application;
- Denial service;
- Stages of service development;
- Content of the result;
- Deadline for completion;
- Competent authority;
- Form of provision;
- Method of provision;
- Fee.



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Details Layers Legend Services Export

Planned and ongoing construction activities

1 SERVICE INFORMATION 2

Information about the service in the GIS-based electronic platform „Single Information Point“ (SIP)

Service	The electronic reference service providing information on planned or ongoing activities related to the construction, deployment, and installation of physical infrastructure, as well as information on access restrictions, if any.
Cases of application and legal basis	Law on Electronic Communications Networks and Physical Infrastructure – Article 4, paragraph 2, item 3.
Applicant	Physical or legal person
Required documents	None

Fig. Interface for Step 1 “Service Information,” from the implementation of Service 3 “Planned and Ongoing Construction Activities”

### 8.3.2 Step 2 – Select an area of interest

In this step, the user specifies the area of interest for the execution of the request.

The applicant has the option to select the area of interest by drawing on the map using “Rectangle”, “Circle” or “Polygon”. These tools will limit the extent of the result to the area outlined by the user.

Details Layers Legend Services Export

Planned and ongoing construction activities

✓ 2 SELECT AN AREA OF INTEREST

Mark on the map the area of interest for which you would like to receive information about planned or ongoing construction, deployment, and installation of physical infrastructure, as well as information about access restrictions, if any, using one of the following tools:



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Fig. Interface: "Select Area of Interest"

After completing this step, the interface should look like this:

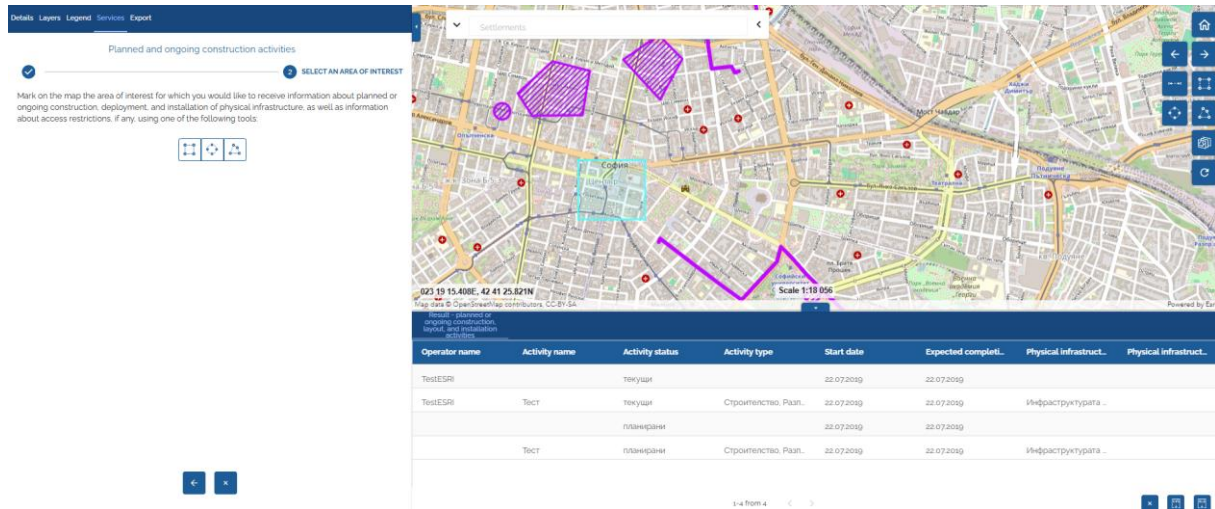


Fig. Interface for specifying the extent for performing the service

After specifying the extent, the system retrieves data that falls within the spatial extent provided by the user and visualizes the result of the service in a table.

### 8.3.3 Step 3 - Review of Results

In this step, the system visualizes the results of the service in a register containing the planned and ongoing construction, deployment, and installation activities for the extent specified by the applicant.

Result - planned or ongoing construction, layout, and installation activities							
Operator name	Activity name	Activity status	Activity type	Start date	Expected completi...	Physical infrastruct...	Physical infrastruct...
TestESRI		текущи		22.07.2019	22.07.2019		
TestESRI	Тест	текущи	Строителство, Разп...	22.07.2019	22.07.2019	Инфраструктурата ...	
		планирани		22.07.2019	22.07.2019		
	Тест	планирани	Строителство, Разп...	22.07.2019	22.07.2019	Инфраструктурата ...	

Fig. Interface of the register displaying the service results

The register contains information on:



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- Operator name;
- Activity name;
- Activity status;
- Activity type;
- Start date;
- Expected completion date;
- Physical infrastructure type;
- Physical infrastructure.

The system supports the functionality to export data from the registry in the following file formats:



- Export to Excel - exports registry entries in .XLSX format.



- Export to CSV format - exports registry entries in .CSV format.

The system provides the ability to zoom in and highlight objects from the registry on the map using the following buttons:




- Zoom in;



- Mark on map;

The system provides the ability to view detailed data for a selected object from the registry.

After clicking the button  additional information (detailed data) for an object from the registry is visualized, and it is loaded into the “Details” panel.



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1 PLANNED AND ONGOING CONSTRUCTION ACTIVITIES	
CATHET ЕООД	
OPERATOR NAME	CATHET ЕООД
NETWORK OPERATOR NAME	CATHET ЕООД
UIC	115787627
ADDRESS	ГР. КАРЛОВО, УЛ. "СВЕЖЕН" № 10.
OPERATOR PHONE NUMBER	33591644
E-MAIL	TSETSA@SATNET-BG.COM; TSETSA@SATNET.BG
WEBSITE	
ORGANIZATION STATUS	АКТИВНА
ORGANIZATION STATUS (DESCRIPTION)	
ORGANIZATION TYPE	МРЕЖОВИ ОПЕРАТОР
COMPETENCIES	
ACTIVITY NUMBER AT OPERATOR	
ACTIVITY NAME	НОВА ДЕЙНОСТ
ACTIVITY STATUS	ТЕКУЩИ
ACTIVITY TYPE	СТРОИТЕЛСТВО, РАЗПОЛАГАНЕ, МОНТАЖ
ACTIVITIES DESCRIPTION	НОВА ДЕЙНОСТ
START DATE	10.10.2019
DURATION (IN CALENDAR DAYS)	123
EXPECTED COMPLETION DATE	02.10.2020
CONSTRUCTION CONTRACTOR	123
CONSTRUCTION TYPE	12
PHYSICAL INFRASTRUCTURE TYPE	
PHYSICAL INFRASTRUCTURE TYPE	ИНФРАСТРУКТУРАТА ЗА РАЗПОЛАГАНЕ НА ЕСМ, ГАЗОПРЕНОСНА И ГАЗОРАЗПРЕДЕЛИТЕЛНА МРЕЖА
PHYSICAL INFRASTRUCTURE WITHIN	НОВА ДЕЙНОСТ
THE EXTEND OF OR AFFECTED BY THE ACTIVITY	

Fig. Interface for detailed data on an object from the “Planned and Ongoing Construction Activities” registry

## 8.4 Competent Authorities, Powers, and Operators

An electronic reference service providing information on the authorities competent to issue acts regarding the deployment and maintenance of ECN and the construction and use of their associated physical infrastructure (powers, acts, fees, document templates, procedures, and regulations, contact details) and information on network operators within the meaning of the ECNPIA, is provided through the public web GIS application on the SIP.

The e-service is requested via the “Services” tab by selecting the relevant service from a drop-down menu. The service request is a step-by-step process carried out as follows:



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Step 1 – review of service information;

Step 2 – specify extent;

Step 3 – review results.

Navigating to the next or previous stage of the application is done using the “Next” and “Back” buttons.



*Fig. Navigation button interface*

#### **8.4.1 Step 1 – Reviewing service information**

In the “Service Information” step, the user reviews information regarding:

- Service name;
- Legal basis;
- Requirements for the applicant;
- Required documents;
- Document;
- Application method;
- Required conditions and documents for application;
- Denial service;
- Stages of service development;
- Content of the result;
- Deadline for completion;
- Competent authority;
- Form of provision;
- Method of provision;
- Fee.



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Details Layers Legend Services Export

Competent authorities, powers, and operators

1 SERVICE INFORMATION 2

Information about the service in the GIS-based electronic platform „Single Information Point“ (SIP)

Service	Electronic reference service providing data on the authorities competent to issue acts on the deployment and maintenance of the ECN and the construction and use of the associated physical infrastructure (powers, acts, fees, document templates, procedures and regulatory acts, contact details) and information on network operators within the meaning of the ECNPIA.
Cases of application and legal basis	Law on Electronic Communications Networks and Physical Infrastructure – Article 4, paragraph 2, item 1,4,5,6;
Applicant	Physical or legal person

Fig. Step 1 Interface - “Service Information”

#### 8.4.2 Step 2 – Select an area of interest

In this step, the applicant is able to:

- specify the exact spatial extent for which they wish to receive information by drawing a rectangle, circle, or polygon;
- select, from a drop-down menu, the type of authority for which they wish to receive information and/or enter the name of an authority, and then search everywhere.

Authority type

All types

- All types
- Мрежови оператор
- Мрежови оператор или община
- Регулатор
- Компетентен орган
- Областна администрация
- Общинска администрация
- Районна администрация
- Друг компетентен орган

Fig. “Authority Type” drop-down list interface



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The system provides a functional option to visualize hints during the process of entering an agency name, for example:

Authority name
Районна
Районна администрация Аспарухово (Варна), гр. Варна, ул."Народни будители" № 2
Районна администрация Баня (Столична), гр. Баня, ул. Цар Симеон № 1
Районна администрация Витоша (Столична), гр. София, ул."Слънце" № 2
Районна администрация Владислав Варненчик (Варна), гр. Варна, ж.к."Владислав Варненчик" бл.302, вх.17
Районна администрация Връбница (Столична), гр. София 1229, ж.к. Надежда 3, бул. Хан Кубрат бл. 328, вх. Б
Районна администрация Възраждане (Столична), гр. София, бул. Александър Стамболийски №62

*Fig. Hint list interface when entering "Agency Name"*

Details Layers Legend Services Export

Competent authorities, powers, and operators

✓ 2 SELECT AN AREA OF INTEREST

Set one or more of the following criteria: name, type, and area of interest on the map for which you want to receive information about the authorities competent to issue acts on the deployment and maintenance of ECN and the construction and use of their associated physical infrastructure, using one of the following tools:

Authority type  
All types

Authority name

SEARCH EVERYWHERE

*Fig. Step 2 interface "Select Area of Interest"*

The system retrieves data that falls within the spatial extent specified by the applicant.

After specifying the extent (spatially or by criteria), the system retrieves data.

### **8.4.3 Step 3 – Review of Results**

The result of the service is displayed in a register.



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Result - competent authorities, powers, and operators				
Name	Organization type	UIC	Website	Organization status
НЕТЙОРКС - БЪЛГАРИЯ ЕООД	Мрежови оператор	117619271	www.netyork.bg	активна
ОА София	Областна администрация	831912591	sf.government.bg	активна
Община Столична	Общинска администрация	000696327		активна
ОД Земеделие София област	Областна дирекция "Земеделие"	175812447	http://www.mzh.government.bg/OD..	активна
РА Възраждане (Столична)	Районна администрация	0006963270480	so-vazrajdane.bg	активна

Fig. Result attribute table for Service 4 “Competent Authorities, Powers, and Operators”

The register contains information on:

- Name;
- Organization type;
- UIC;
- Website;
- Organization status.

Functional capabilities in the result attribute table from the execution of Service 4 “Competent Authorities, Powers, and Operators”:

Command	Description
<b>Next Page</b> 	Provides the ability to scroll the attribute table to the next page.
<b>Previous Page</b> 	Provides the ability to scroll the attribute table to the previous page.
<b>Close</b> 	Provides the ability to close the attribute table.
<b>Export to CSV</b> 	Provides the ability to export objects to CSV format.
<b>Export data to Excel</b> 	Provides the ability to export objects to Excel format.




Additional functionalities.



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These functionalities are accessed by hovering the mouse cursor over a row in the attribute table:

Command	Description
<b>Zoom In</b>	 Provides the ability to zoom in on the object on the map.
<b>Mark on Map</b>	 Provides the ability to mark the object on the map.
<b>View in "Details" Panel</b>	 Provides the ability to load the object into the "Details" panel and view detailed information about it.

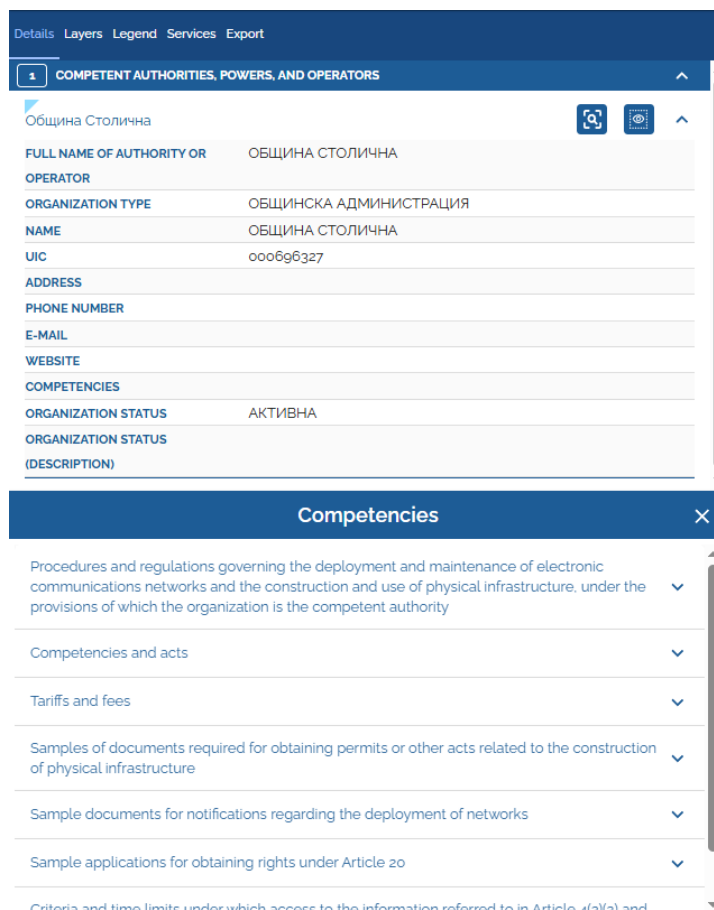


Fig. View detailed information about an object from “Result – Competent Authorities, Powers, and Operators” in the “Details” panel

The result of the service contains:



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(1) A list of the competent authorities authorized to issue acts regarding the deployment and maintenance of the ECN and the construction and use of the associated physical infrastructure located within the declared territorial extent;

(1.1) the powers of the competent authority;

(1.2) the acts issued by the competent authority relating to the deployment and maintenance of ECN and the construction and use of their associated physical infrastructure;

(1.3) a link to the schedule of fees collected by the competent authority in connection with the deployment and maintenance of the ECN and the construction and use of their associated physical infrastructure;

(1.4) a link to the templates of documents issued by the competent authority regarding the deployment and maintenance of the ECN and the construction and use of their associated physical infrastructure;

(1.5) procedures and regulatory acts related to the deployment and maintenance of ECN and the construction and use of their associated physical infrastructure;

(1.6) contact details for the competent authority—name, address, email address, and contact telephone number;

(2) a list of network operators within the meaning of the ECNPIA

(2.1) contact details of the network operator—name, address, email address, and contact telephone number—located within the declared territorial extent.

## **8.5 Submitting an Application for Infrastructure Construction**

The e-service for completing and electronically submitting applications and all other supporting documents required for the issuance of the relevant permit for the construction of physical infrastructure is accessed outside the WEB-GIS expert module application to the SIP. In the Services section, users can be redirected to the Unified Information System for Spatial Planning, Investment Design, and Construction Permitting of the Ministry of Regional Development



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and Public Works (MRDPW). The services themselves are requested and performed outside of the SIP.

The service is accessed via the “Submit Applications for Infrastructure Construction” button in the Services section, after which a new panel opens containing information about the service and a hyperlink redirecting to the MRDPW’s UIS.



*Fig. Interface of the “Submit Application for Infrastructure Construction” service*

## 8.6 Submission of Applications for the Deployment of the ECN

The electronic service for completing and submitting online applications and all other supporting documents required for the deployment, maintenance, and improvement of electronic communications networks is accessed through the WEB-GIS expert module, an application of the SIP.

The e-service is accessed via the “Services” tab by selecting the relevant service from the drop-down menu. The service application process is step-by-step and consists of the following steps:

- Step 1 – Review of service information;
- Step 2 – Applicant authentication;
- Step 3 – filling out the application;
- Step 4 – reviewing and signing the application;
- Step 5 – reviewing the result.



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Navigating to the next or previous stage of the application process is done using the “Next” and “Back” buttons.



*Fig. Navigation button interface*

### **8.6.1 Step 1 – Reviewing service information**

Within the scope of the “Service Information” step, the user reviews information regarding:

- Service name;
- Cases of application and legal basis;
- Requirements for the applicant;
- Required documents;
- Document;
- Method of application;
- Requirements and documents needed for application;
- Denial of service;
- Stages of service development;
- Content of the result;
- Deadline for completion;
- Competent authority;
- Form of provision;
- Method of provision;
- Fee.



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Submission of applications for the deployment of the ECN

1 SERVICE INFORMATION — 2 — 3 — 4 — 5

Information about the service in the GIS-based electronic platform „Single Information Point“ (SIP)

Service	Electronic service for completing and submitting electronically applications and all other documents required for the deployment, maintenance, and improvement of electronic communications networks.
Cases of application and legal basis	Article 4, paragraph 3 of ECNPIA
Applicant	Electronic communications network operator

*Fig. Interface for Step No. 1 “Service Information,” from the implementation of Service 5.2 “Submission of Applications for the Deployment of the ECN”*

To continue using the service, the user must log in to their account.

## 8.7 Registering a Network in the SIP

The electronic service for completing and electronically submitting applications and all other accompanying documents required for the registration of an established or upgraded electronic communications network is accessed through the WEB-GIS expert module, an application of the SIP.

The e-service is requested via the “Services” tab by selecting the relevant service from the drop-down menu. The service request is a step-by-step process carried out as follows:

Step 1 – review of service information;

Step 2 – applicant authentication;

Step 3 – submission of an application for the deployment of an ECN;

Step 4 – import of a geometry file;



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Step 5 – review of the result.

Navigation to the next or previous stage of the application process is via the “Next” and “Back” buttons.



*Fig. Navigation button interface*

### **8.7.1 Step 1 – Review of service information**

Within the scope of the “Service Information” step, the user reviews information regarding:

- Service name;
- Cases of application and legal basis;
- Requirements for the applicant;
- Required documents;
- Document;
- Method of application;
- Requirements and documents needed for application;
- Denial of service;
- Stages of service development;
- Content of the result;
- Deadline for completion;
- Competent authority;
- Form of provision;
- Method of provision;
- Fee.



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Details Layers Legend Services Export

### Registering a network in SIP

1 SERVICE INFORMATION — 2 — 3 — 4 — 5

Information about the service in the GIS-based electronic platform „Single Information Point“ (SIP)

Service	Electronic service for completing and submitting electronically applications and all other documents required for the registration of an electronic communications network or its upgrade.
Cases of application and legal basis	Law on Electronic Communications Networks and Physical Infrastructure – Article 49 in conjunction with Article 51 in conjunction with Article 4, paragraph 3 in conjunction with Article 54.
Applicant	Electronic communications network operator

*Fig. Interface for Step 1 “Service Information” of the implementation of Service 5.3 “Registering a network in SIP”*

To continue using the service, the user must log in to their account.

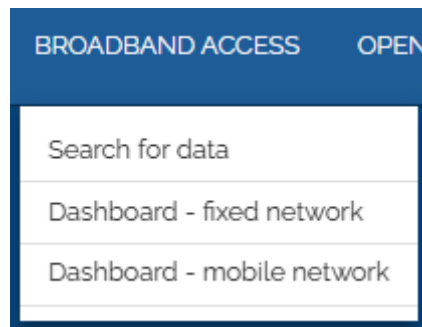


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## 9 Broadband Access

The "Broadband Access" section provides functionality for searching and viewing data on broadband services.

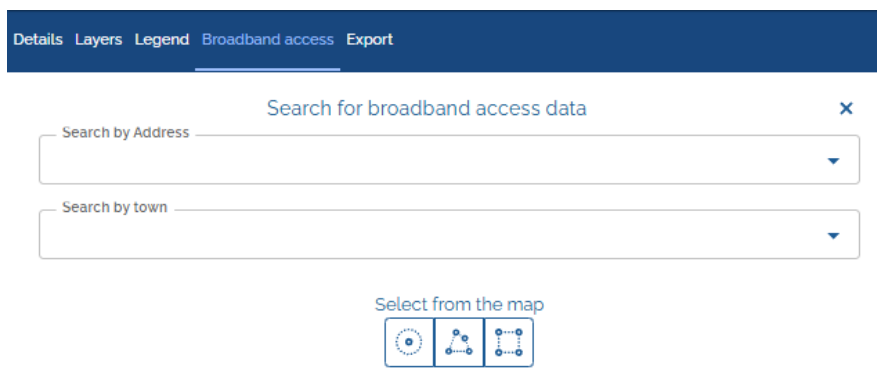


*Fig. "Broadband Access" Panel Interface*

### 9.1 Search for data

The search interface is organized into two sections: "Enter Search Criteria" and "View Results."

At the top of the criteria entry interface is the "Search by Address" field. Below it is "Search by Town", and at the bottom is "Select from the Map", by pointing and drawing a polygon/rectangle.



*Fig. Interface of the "Broadband Access Search for data" section*

a. "Search by Address"—the user enters an address in the "Search by Address" field or selects from a list of suggestions.



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Search for broadband access data

Search by Address

Велика

Велика, Царево, Бургас

Велика, Община Царево, Бургас

Fig. “Search by Address” interface

b. “Search by Town” – the user enters a location in the “Search by town” field or selects from a list of suggestions.

Search by town

Плц

с. Доброплодно, тип. Ветрино, рег. Варна

гр. Пловдив, тип. Пловдив, рег. Пловдив

с. Пловдивци, тип. Рудозем, рег. Смолян

с. Пловка, тип. Кирково, рег. Кърджали

с. Плодовитово, тип. Братя Даскалови, рег. Стара Загора

с. Плоска могила, тип. Стара Загора, рег. Стара Загора

с. Плоски, тип. Сандански, рег. Благоевград

Fig. “Search by Town” Interface

c. “Search from the Map” – the user selects an identification tool from the map (point, polygon, rectangle) and draws an area for which they want to receive information about available broadband services.

The search results are visualised in groups, with the specified criteria displayed at the top of the interface, a summary of the results below it, and a detailed view of the results at the bottom. Each row can be expanded to display detailed data for the selected item.



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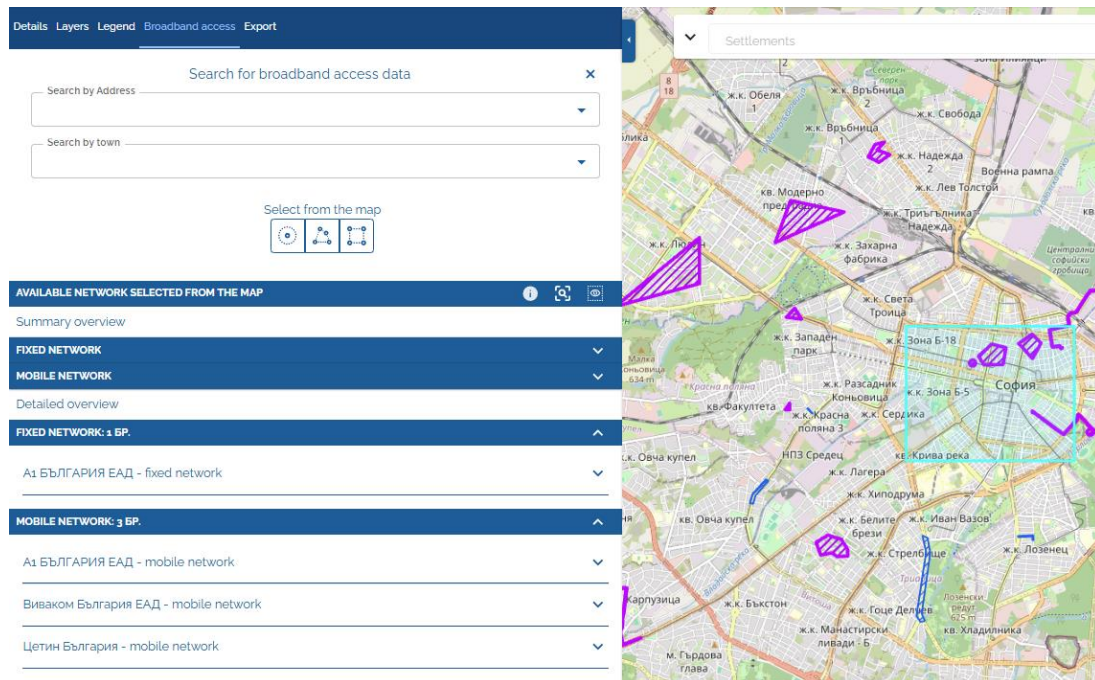


Fig. Search results interface via map selection – illustrative data

## 9.2 Dashboard – Fixed Network

The dashboard for fixed broadband services is accessible via the “Broadband Access” module.

The system visualizes data on fixed broadband services, including:

- Coverage share over 1 Gbit/s;
- Coverage share with VHCN;
- Coverage by Technology;
- Coverage for VHCN class in the urban area (ha)VHCN coverage (Traffic capacity provision);
- VHCN coverage;
- VHCN coverage share.

The interface of the fixed network component includes:

- 1) A header bar, with filters by region and operators located on the right;
- 2) A panel with indicators and graphics, located on the left side of the screen;
- 3) A map occupying the central part of the screen;



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4) Lists by operator and municipality, located on the right side of the screen.

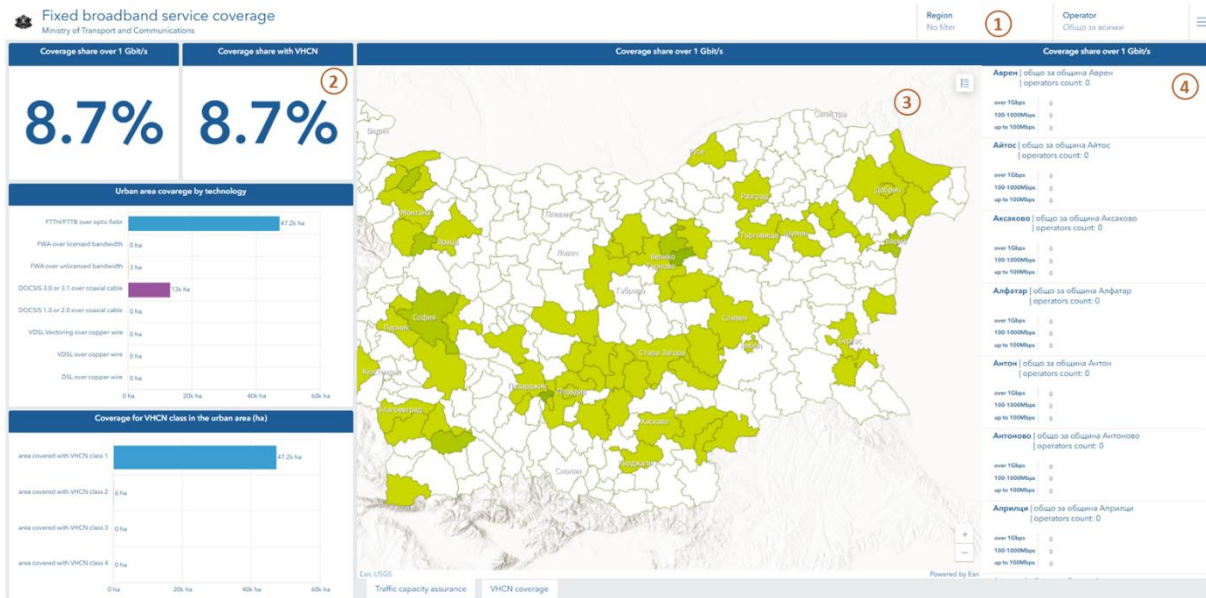


Fig. Interface of the “Fixed Broadband Service Coverage” dashboard – “Traffic Capacity Provision” panel – illustrative data

The user can filter the data using various filters, such as region or operator, by selecting from a drop-down menu.

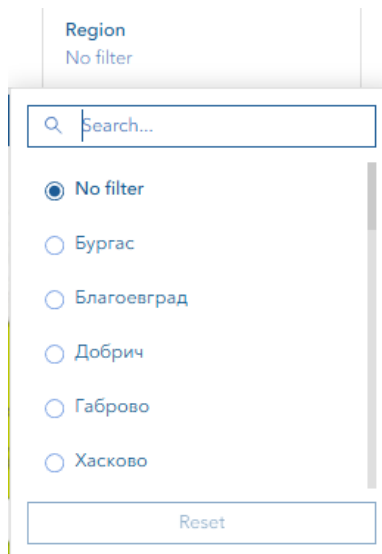


Fig. "Region" filter drop-down menu



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After applying any of the filters, the map and graphics change based on the criteria entered.

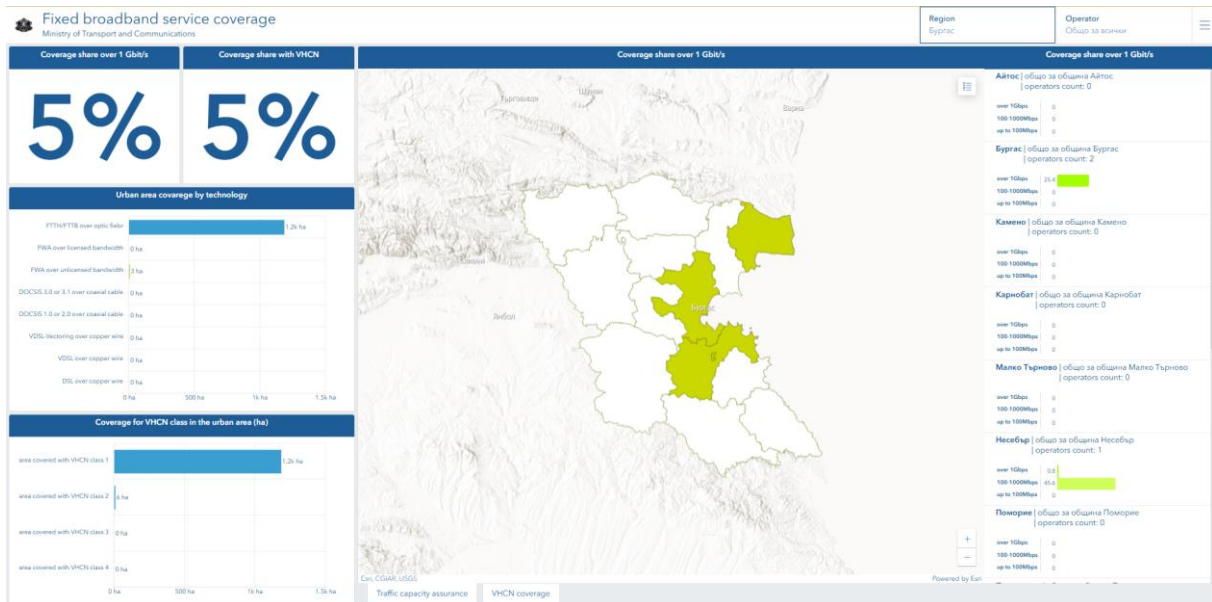

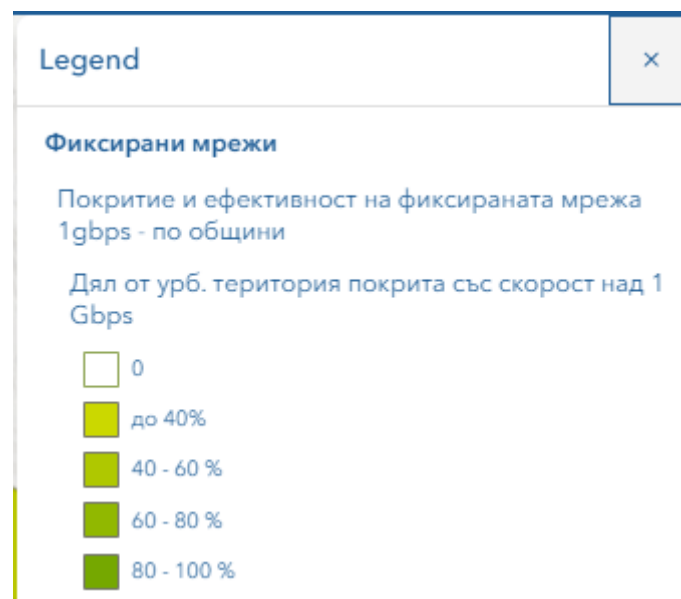


Fig. Dashboard interface for fixed broadband service coverage after applying a filter by region – illustrative data

The system provides the functionality to view a legend. After clicking the “Legend” button , located in the upper right corner of the map, a panel with the map legend opens.



“Legend” panel



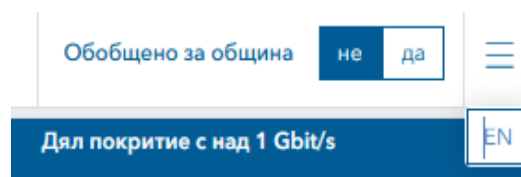
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To clear the selected filter, the user clicks the button “Reset”



The system provides the functional capability to change the language, with Bulgarian (BG) and English (EN) available.



*Change language*

### 9.3 Dashboard - Mobile Network

The dashboard for mobile broadband services is accessible via the “Broadband Access” module.

The system visualizes data on mobile broadband services, including:

- VHCN coverage;
- 5G coverage;
- Coverage by network type in urban area (ha)
- Coverage by VHCN class in urban area (ha);
- Network type share (%);
- 5G coverage in urban areas by municipality; .

The interface of the mobile network component includes:

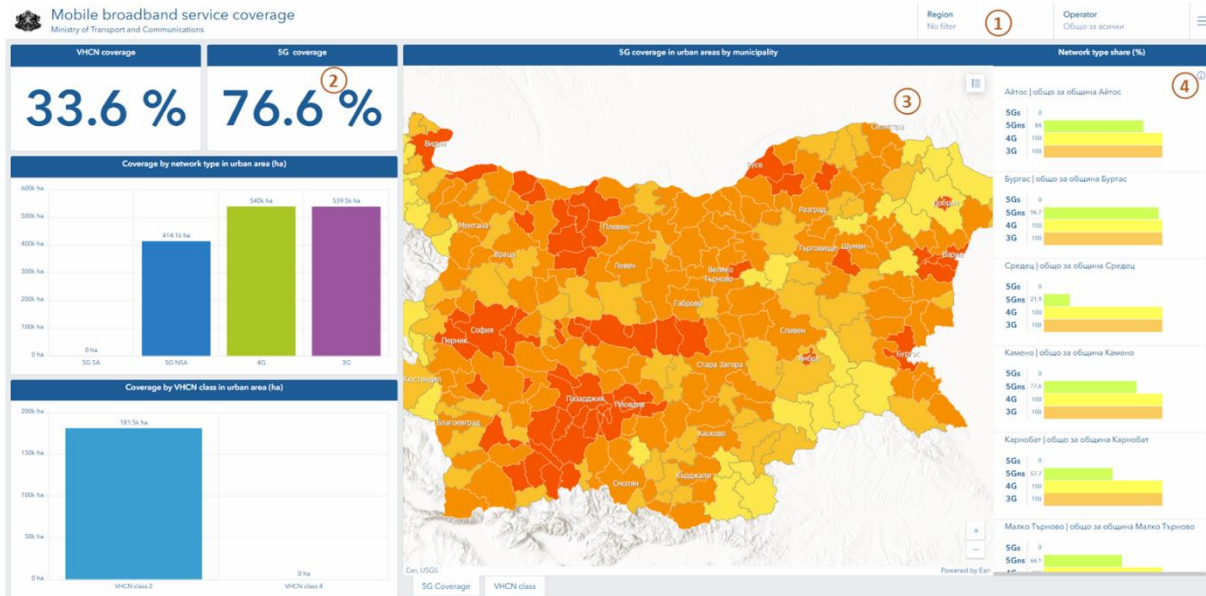
- 1) A header bar, with filters by region and operator located on the right;
- 2) A panel with indicators and graphics located on the left side of the screen;
- 3) A map occupying the central part of the screen;
- 4) Lists by operator and municipality, located on the right side of the screen.



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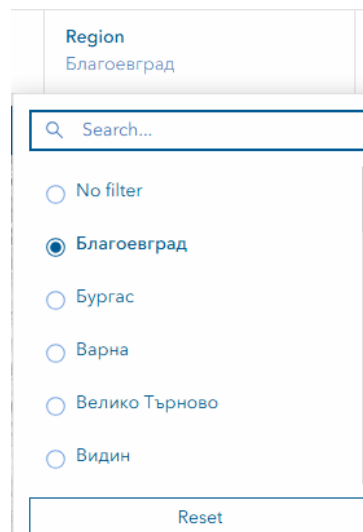


*“Fixed Broadband Service Coverage” dashboard interface – “4G Coverage” panel – illustrative data*



*Fig. “Fixed Broadband Service Coverage” dashboard interface – “VHCN Class” panel – illustrative data*

The user can filter the data by municipality, region, or operator by selecting from a drop-down menu.



*Fig. “Region” filter drop-down menu*

After applying any of the filters, the map and graphics change based on the selected criteria.



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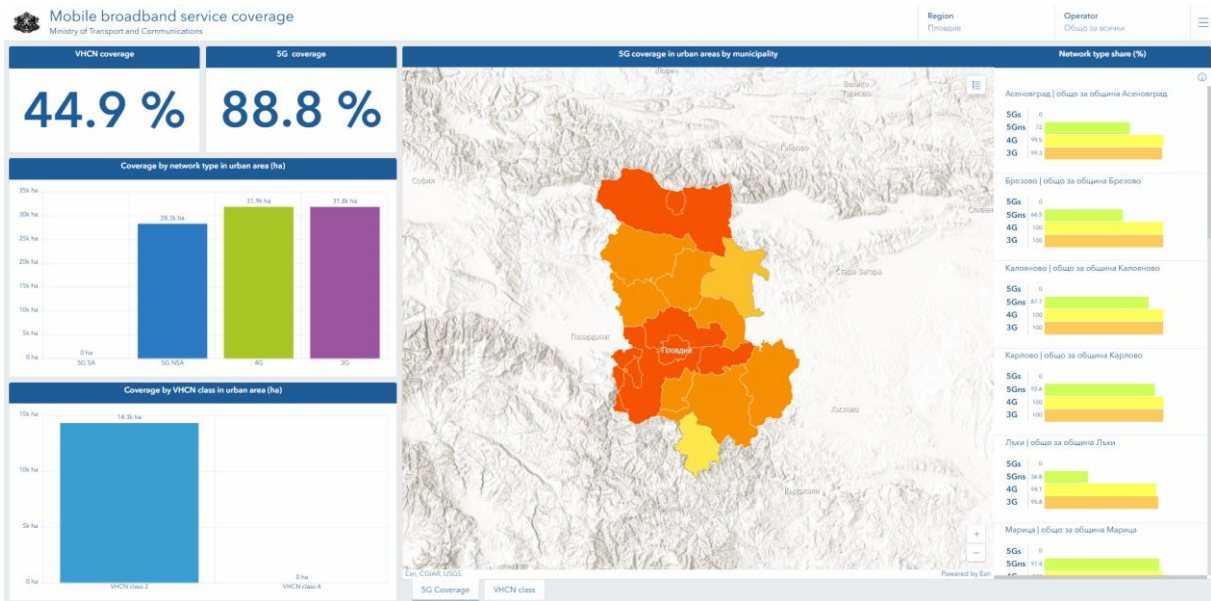



Fig. Mobile broadband service coverage dashboard interface after applying a filter by region – illustrative data

The system provides the functionality to view a legend. After clicking the

“Legend” button , located in the upper right corner of the map, a panel with the map legend opens.

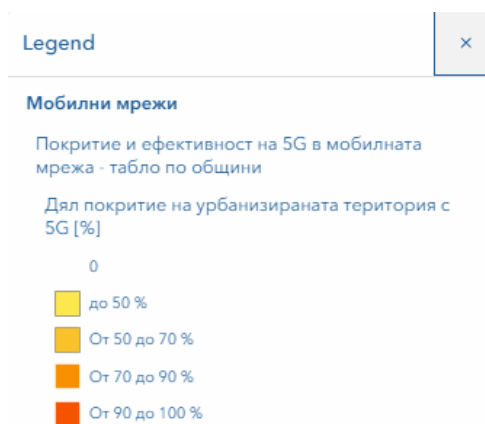


Fig. “Legend” Panel



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To clear the selected filter, the user clicks the button “Reset”



The system provides the functional capability to change the language; the available options are Bulgarian (BG) and English (EN).



*Change language*



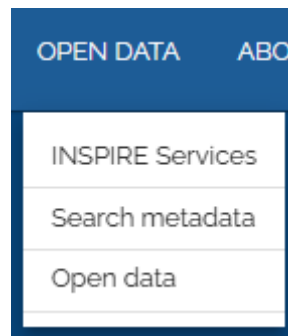
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## 10 Open Data

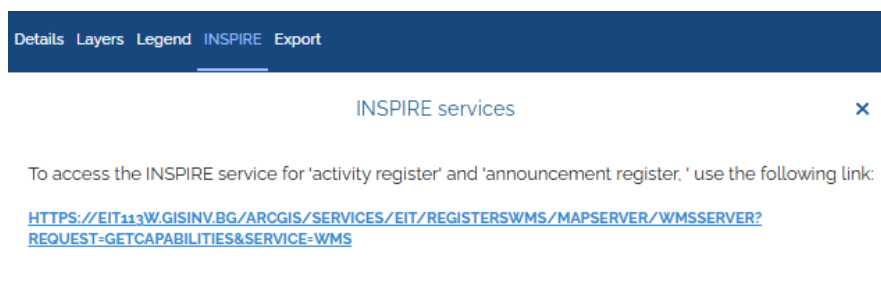
SIP is integrated with the National Open Data Portal, in accordance with all requirements of Directive 2013/37/EU on the reuse of public sector information and the Access to Public Information Act, and includes a service providing information from the electronic register of notices regarding the granting of rights of access to and shared use of physical infrastructure.

On the home page, in a separate “Open Data” tab on the ribbon located at the top of the interface, users have the option to view open data, including INSPIRE services, search by metadata within the system’s open data, and access an interface for downloading open data.



*Fig. “Open Data” Module*

The system provides access to INSPIRE services.



*Fig. “INSPIRE Services” tab*

A functional capability for searching by metadata for the open data in the system is available.



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Details Layers Legend Search metadata Export

Search by metadata

Keywords

Current as of

SEARCH

Fig. "Metadata Search" tab

A functional option is available for downloading data in JSON format from the open data in the system—the register of current and planned construction, placement, and installation activities, and from the register of notices under Article 20, paragraph 4 of the ECNPIA

Details Layers Legend Open data Export

Open data

To download the data automatically in json format, use the following links:

1. Activities Register  
[https://eit.gisinv.bg/arcgis/rest/services/eit/registers/mapserver/5/query?where=1%3D1&text=&objectids=&time=&timerelation=esritimerelationoverlaps&geometry=&geometrytype=esrigeometryenvelope&insr=&spatialrel=esrispatialrelintersects&distance=&units=esrisrunit\\_foot&relationparam=&outfields=&returngeometry=true&returntruecurves=false&maxallowableoffset=&geometryprecision=&outsr=&havingclause=&returnidsonly=false&returncountonly=false&orderbyfields=&groupbyfieldsforstatistics=&outstatistics=&returnz=false&returnm=false&gdbversion=&historicmoment=&returndistinctvalues=false&resultoffset=&resultrecordcount=&returnnextentonly=false&sqlformat=none&datumtransformation=&parametervalues=&rangevalues=&quantizationparameters=&uniqueids=&returnuniqueidsonly=false&featureencoding=esridefault&f-pjson](https://eit.gisinv.bg/arcgis/rest/services/eit/registers/mapserver/5/query?where=1%3D1&text=&objectids=&time=&timerelation=esritimerelationoverlaps&geometry=&geometrytype=esrigeometryenvelope&insr=&spatialrel=esrispatialrelintersects&distance=&units=esrisrunit_foot&relationparam=&outfields=&returngeometry=true&returntruecurves=false&maxallowableoffset=&geometryprecision=&outsr=&havingclause=&returnidsonly=false&returncountonly=false&orderbyfields=&groupbyfieldsforstatistics=&outstatistics=&returnz=false&returnm=false&gdbversion=&historicmoment=&returndistinctvalues=false&resultoffset=&resultrecordcount=&returnnextentonly=false&sqlformat=none&datumtransformation=&parametervalues=&rangevalues=&quantizationparameters=&uniqueids=&returnuniqueidsonly=false&featureencoding=esridefault&f-pjson)
2. Register of announcements  
[https://eit.gisinv.bg/arcgis/rest/services/eit/registers/mapserver/6/query?where=1%3D1&text=&objectids=&time=&timerelation=esritimerelationoverlaps&geometry=&geometrytype=esrigeometryenvelope&insr=&spatialrel=esrispatialrelintersects&distance=&units=esrisrunit\\_foot&relationparam=&outfields=&returngeometry=true&returntruecurves=false&maxallowableoffset=&geometryprecision=&outsr=&havingclause=&returnidsonly=false&returncountonly=false&orderbyfields=&groupbyfieldsforstatistics=&outstatistics=&returnz=false&returnm=false&gdbversion=&historicmoment=&returndistinctvalues=false&resultoffset=&resultrecordcount=&returnnextentonly=false&sqlformat=none&datumtransformation=&parametervalues=&rangevalues=&quantizationparameters=&uniqueids=&returnuniqueidsonly=false&featureencoding=esridefault&f-pjson](https://eit.gisinv.bg/arcgis/rest/services/eit/registers/mapserver/6/query?where=1%3D1&text=&objectids=&time=&timerelation=esritimerelationoverlaps&geometry=&geometrytype=esrigeometryenvelope&insr=&spatialrel=esrispatialrelintersects&distance=&units=esrisrunit_foot&relationparam=&outfields=&returngeometry=true&returntruecurves=false&maxallowableoffset=&geometryprecision=&outsr=&havingclause=&returnidsonly=false&returncountonly=false&orderbyfields=&groupbyfieldsforstatistics=&outstatistics=&returnz=false&returnm=false&gdbversion=&historicmoment=&returndistinctvalues=false&resultoffset=&resultrecordcount=&returnnextentonly=false&sqlformat=none&datumtransformation=&parametervalues=&rangevalues=&quantizationparameters=&uniqueids=&returnuniqueidsonly=false&featureencoding=esridefault&f-pjson)

Fig. "Open Data" panel



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## 11 About the System

On the home page, in a separate tab on the ribbon located at the top of the interface, there is an "About the System" tab that allows you to view information about the SIP.

**About the system** [Close]

The Single Information Point (SIP) was developed as part of the project "Development of a GIS-based electronic platform "Single Information Point," funded by the Operational Program "Good Governance" (OPGG). The SIP was established in accordance with Directive 2014/61/EU of the European Parliament and of the Council and the Electronic Communications Networks and Physical Infrastructure Act (ECNPIA). The upgrade of the SIP is being implemented under the Transport Connectivity Program 2021-2027.

The functions of the SIP are performed by the Minister of Transport and Communications or by persons authorized by him.

The SIP consolidates and systematizes information on the procedures and regulations governing the deployment and maintenance of infrastructure, including the authorities competent to issue acts in the field and their respective fees. Guaranteed access to all available templates of documents for obtaining permits and other acts related to the construction of infrastructure. Conditions are provided for the electronic completion and submission of applications and documents necessary for the deployment and maintenance of electronic communications networks and physical infrastructure, as well as for obtaining information on the progress of their consideration by the competent authorities.

The SIP provides a system of basic layers that can be used by all interested parties – administration, business, and citizens – in accordance with the requirements of the INSPIRE Directive and the Spatial Data Access Act. The information on the SIP is kept up to date by state authorities – according to their competence, network operators, etc., who have information about infrastructure and provide access to it through the SIP.

**The SIP maintains two public electronic registers:**

- Register of activities** – GIS-based, containing information on planned or ongoing activities related to the construction, deployment, and installation of physical infrastructure;
- Register of announcements** – contains announcements for granting rights of access to and shared use of physical infrastructure.

**The SIP provides the following electronic administrative services:**

- Provision of information on existing physical infrastructure** for the deployment of networks, including high-speed electronic communications networks, as well as information on access restrictions;
- Provision of data, including graphics**, for existing electronic communications networks;
- Provision of information on planned or ongoing activities** on the construction, location, and installation of physical infrastructure, as well as information on access restrictions;
- Provision of data to the authorities competent to issue acts on the deployment and maintenance of the ECN** and the construction and use of their associated physical infrastructure and information on network operators of electronic communications networks;
- Acceptance of applications** and documents related to them, necessary for **the provision, maintenance, and improvement of electronic communications networks**;
- Acceptance of applications** and documents related to them, necessary for **registration of an established or upgraded electronic communications network**;

*Fig. Interface with system information*

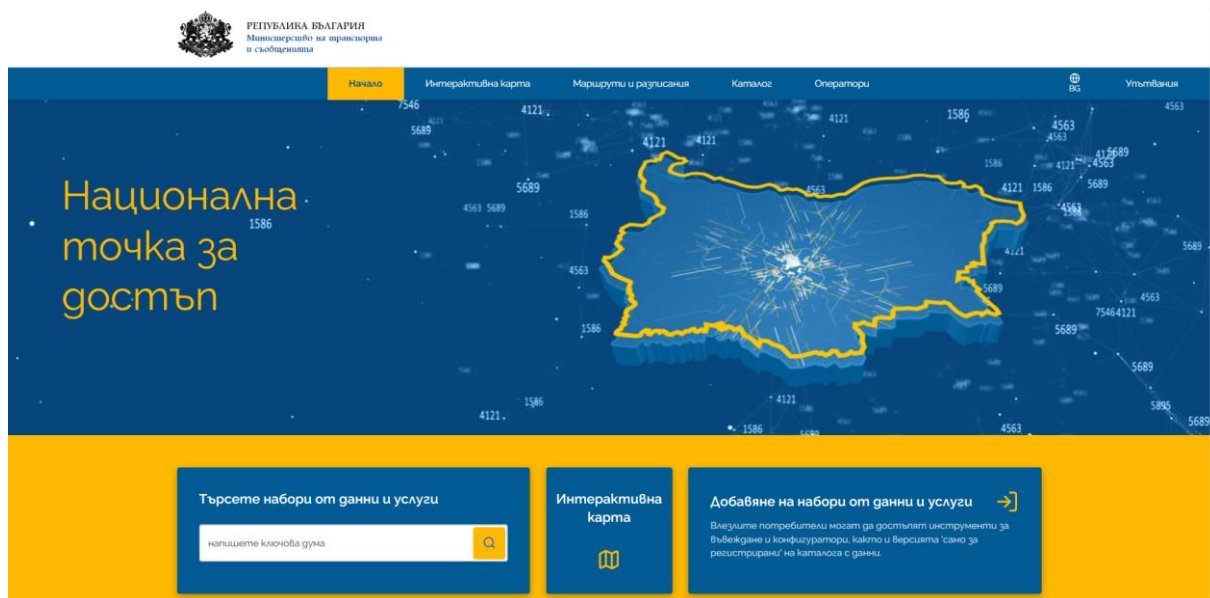


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## 12 To the NAP

The system provides a quick link to the NAP, which redirects the user to the website of the National Access Point for multimodal travel information services.



*Fig. Homepage interface of the "National Access Point"*