

PANSA (IWB PILOT)

User Manual

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DRAFT

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Abbreviations and Acronyms

Abbreviation	Term
A/C	Aircraft
ACARS	Aircraft Communications Addressing and Reporting System
AD	Aerodrome
ADF	Automatic Direction Finder
ADS	Automatic Dependent Surveillance
AFTN	Aeronautical Fixed Telecommunication Network
AGL	Above Ground Level
AIC	Aeronautical Information Circular
AIM	ATFCM Information Message
AIP	Aeronautical Information Publication
AIP AMDP	AIP amendment
AIREP	Air Report
AIRMET	AIRman's METeorological information
AIS	Aeronautical Information Service
AIXM	Aeronautical Information Exchange Model
ALT	Alternate aerodrome
AMC	Airspace Management Cell
AMC D	AMC Danger area
AMC R	AMC Restricted area
AMSL	Above Mean Sea Level
ANM	ATFM/ATFCM Notification Message
APP	Approach (or Approach Control Service)
ARCID	Aircraft Identification
ATC	Air Traffic Control
ATFCM	Air Traffic Flow & Capacity Management

ATFM	Air Traffic Flow Management
ATN	Aeronautical Telecommunication Network
ATS	Air Traffic Services
ATZ	Aerodrome Traffic Zone
ATYP	Aircraft Type
AUP	Airspace Usage Plan
CAPPI	Constant Altitude Plan Position Indicator

Abbreviation	Term
CC	Concentric Circles
CNL	Cancel/Cancelled
COMM/COM	Communication
CPDLC	Controller-Pilot Data Link Communications
CTOT	Calculated Take-Off Time
CTR	Control zone
D	Danger area
DAT	Data Link capability
DB	Database
DEP	Depart/Departure
DESC	Descending
DIV AD	Diversion Aerodrome
DME	Distance Measuring Equipment
DOF	Date of Flight
DPN	Designated Point
DRF	Data Record File
DZ	Drone Zone
EET	Estimated Elapsed Time
ELT	Emergency Locator Transmitter
ENR	En-Route
EOBD (T)	Estimated Off-Block Date (Time)
EOBT	Estimated Off-Block Time
ETA	Estimated Time of Arrival
FANS	Future Air Navigation System
FIR	Flight Information Region

FL	Flight Level
FMC	Flight Management Computer
FPL	Flight Plan
FR	Flight Rules
FSC	Flight Service Center
FUA	Flexible use of airspace
GAMET	Area forecast for low-level flights
GDPR	General Data Protection Regulation

Abbreviation	Term
GEN	General
GND	Ground
GNSS	Global Navigation Satellite System
GPS	Global Positioning System
GUI	Graphical User Interface
HF	High Frequency
HFDL	High Frequency Data Link
HMI	Human Machine Interface
IAS	Indicated Air Speed
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
ID	Identification, Identifier
IFR	Instrument Flight Rules
ILS	Instrument Landing System
INMARSAT	Network of geostationary telecommunications satellites (service provided by Inmarsat plc)
LOC	LOCAl time
LORAN	Long Range Air Navigation aid
LPV	Localizer Performance with Vertical guidance

METAR	1. Aviation routine weather report; 2. Meteorological aerodrome report;
METEO (MET)	1. Meteorological; 2. Meteorology;
MLS	Microwave Landing System
MNPS	Minimum Navigation Performance Specification
MTSAT	Multifunctional Transport Satellites
MSG	Message
NAV	Navigation
NDB	Non-Directional radio Beacon
NM	Nautical Mile
NMOC	Network Manager Operations Centre (previously called CFMU)
NOTAM	Notice To Airmen
P	Prohibited area
PANSA	Polish Air Navigation Services Agency

Abbreviation	Term
PBN	Performance Based Navigation
PC	Personal Computer
PDF	Portable Document Format
PIB	Pre-flight Information Bulletin
QNH	Atmospheric pressure adjusted to sea level
R	Restricted area
RAD	Route Availability Document
REG	1. Registration; 2. Regional;
RMK	Remark
RNAV	Area Navigation

RNP	Required Navigation Performance
RPAS	Remotely Piloted Aircraft Systems (commonly known as drones)
RTF	RadioTelephone
RVSM	Reduced Vertical Separation Minimum
SAM	Slot Allocation Message
SATCOM	Satellite Communications
SDO	Static Data Operation
SIGMET	Significant Meteorological Information
SR	Slovak Republic
SS	Sun Set
SUP	Supplement
SYNOP	Surface Synoptic Observations
TACAN	UHF TACTical Air Navigation aid
TAF	Aerodrome Forecast (in meteorological code)
TAS	True Air Speed
TMA	Terminal Control Area
TOPS	Echo Tops
TRA	Temporary Reserved Airspace
TSA	Temporary Segregated Area
UAT	Universal Access Transceiver
UHF	Ultra High Frequency
URL	Uniform Resource Locator

Abbreviation	Term
UTC	Coordinated Universal Time
UUP	Updated AUP
VA	Volcanic Ash

VDL	VHF Data Link
VFR	Visual Flight Rules
VHF	Very High Frequency
VOR	VHF Omnidirectional Radio range
WPR	Way Point Reporting
xTAM (XTAM)	Universal abbreviation for messages: NOTAM, SNOWTAM, ASHTAM, BIRDTAM and others

Definition of Terms

Term/Phrase	Definition
ACARS	ACARS is a digital datalink system for transmission of short, relatively simple messages between aircraft and ground stations via radio or satellite.
System Administrator	A user with authority rights in charge of system administration of the PANSa, i.e. user group management, user management, system configuration to the required extent. System administrator creates and deletes user groups, creates and blocks user accounts, resets their passwords, and edits user profiles.
Attribute	A definite property of an entity; an attribute is identified by its name (title), type of data and, in some cases also by rules or limitations (such as a range of values)
Dataset	A file holding information on WHAT, WHERE and HOW to generate a map. Map data can be contained in one or more datasets. Generally, dataset contains a reference to geo-data, i.e. vector and raster files.
Map	Graphic representation of physical features (natural, artificial or both) of a part or the whole of the earth's surface by compilation of map layers consisting of signs, symbols or photographic imagery, at an established scale, on a specified projection and the means of orientation indicated.
Map Data	A set of spatial data which can include vector, raster, and topographic data serving for a generation of map layers.
Map Layer	In GIS, a dataset containing geographic objects with accompanying attributes that can be displayed or modified separately from other datasets. Layers can include raster and vector maps, text, map enhancements (scale and north arrow, grids, and frames), and commands.
Map Object	Graphical symbol or mark representing mission-specific information displayed on a map or user-defined object in a map layer. Map object is specified at least by its position (geographic coordinates).
NOTAM	A notice containing information concerning the establishment, condition or change in any aeronautical facility, service, procedure or hazard, the timely knowledge of which is essential to personnel concerned with flight operations
User-defined object	A drawn object specified and created by the user by use of drawing tools, and displayed on a map (hereinafter to as "drawn object"). Following drawn objects can be created: point, line/poly-line, circle, polygon and rectangle.

PANSAs (IWB PILOT)	Web-based SW application that displays up-to-date AIS data over basemaps. This application is designed for comprehensive flight preparation and planning, and provides information for pilots and other users.
-----------------------	--

Term/Phrase	Definition
User	A person logged into the application.
User-defined point	A point defined by the user specified by its name and position (geographic coordinates).

Chapter 1. Introduction

This document serves as a functional and operational guide.



Important

Before you start working with this application, please read the manual carefully to become familiar with all functions included in your PANSA (IWB PILOT).

1.1. Document Identification

Product:	PANSA (IWB PILOT) - web application
Type of Document:	User Manual
SW Version:	4.0.0

1.2. General



Important

Except of a web browser, no other special SW installation is required for its operation.

Application can run on:

- *Mozilla Firefox*
- *Google Chrome*
- *Apple Safari*

It is advised for web browser to be updated to the latest version.

Other commonly used browsers have not been tested for a compatibility with the application, therefore the producer cannot guarantee correct operation when using web browsers other than the above mentioned ones.

This document is intended for users of the web application, and contains a description of its use.

This application allows to:

- view and manage published NOTAMs;
- submit a new FPL;
- display "Web Map" maps and work with them;
- display SDO data;
- display NOTAMs;

- display METEO data;
-
- generation of flight routes;

**Important**

Individual functionalities of the application are available according to the type of logged in user.

A layout and a set of menu items (functions) included in your PANSA (IWB PILOT) version are specified by the actual configuration and hence, they may not correspond with a description contained herein.

Special characters cannot be entered into the text fields of PANSA (IWB PILOT) application. Certain special characters (e.g. /) can be entered in specific cases where the data without the special character(s) would be deemed invalid.

**Note**

The pictures included in this manual are for illustration only, and may not correspond to what you see on your screen as they depend on the current PANSA (IWB PILOT) version and configuration of the application..

Chapter 2. Operation Guide

2.1. Software Requirements

The PANSA (IWB PILOT) application runs in the following web browsers:

- Mozilla Firefox
- Google Chrome
- Microsoft Edge
- Apple Safari

It is recommended to update your web browser to its latest version.

Other web browsers have not been tested and so the functionality of the application cannot be

guaranteed when using them.

**Important**

A stable Internet connection is required for proper functioning of the application.

2.2. Start

The PANSa (IWB PILOT) application is launched in the standard way of launching web applications in a web browser.



Note

Web browsers are compatible:

- *Mozilla Firefox*
- *Google Chrome*
- *Apple Safari*

It is recommended to update your web browser to the latest version. Other web browsers have not been tested and so the functionality of the application cannot be guaranteed when using them.

Enter the web address into the navigation panel of a web browser and press **Enter**.

After connecting to the PANSa (IWB PILOT) web application, a login window will appear (see the following figure).

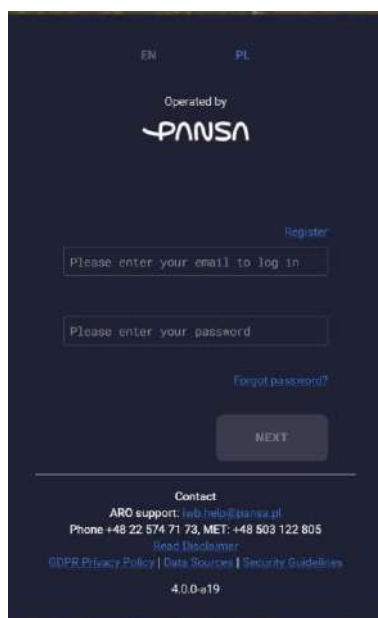


Figure 2.1. Login window

**Note**

The application can be used by different groups of users with specific rights to access individual application functions (defined by the System Administrator).

Each user logs into the application under their own account.

User accounts are managed by the System Administrator on request.

**Important**

At the bottom of the login window are the contact to ARO support (the ANS Provider):

*ARO support: **iwb.help@pansa.pl** (e-mail hyperlink)*

*Phone: **+48 22 574 71 73***

*MET: **+48 503 122 805***

Click on the e-mail hyperlink if you wish to send a message to ARO support; upon clicking, a window appears with a filled in address of the recipient.

To activate e-mail hyperlink, the appropriate Email Client shall be set in operating system by use of "Settings/Applications/Pre-set applications/E-mail" option.

**Important**

***Before logging into the application**, we recommend that you familiarize yourself with the information at the bottom of the login window:*

***Read** Click on Read Disclaimer hyperlink to see the information about the **Disclaimer** responsibility for handling the information presented in the application.*

***GDPR** Click on GDPR Privacy Policy hyperlink to see the provisions relating to the **Privacy** protection of personal data in accordance with applicable GDPR version.
Policy*

***Data** Click on GDPR Privacy Policy hyperlink to see the provisions relating to the **Sources** protection of personal data in accordance with applicable GDPR version.*

***Security** Click on GDPR Privacy Policy hyperlink to see security regulations for **Guidelines** using the application.*

To return to the login window, click the CLOSE button.

To log in to the application, proceed as follows:

1. Click on **PL** (POLSKI) / **ANGELSKI** (EN) switch to select the language for the HMI of the application.

The default language is English.

2. Possible situations:

- A. **You ARE a registered user**, continue with point 3.
- B. **You ARE NOT a registered user**, click on the **Register** hyperlink.

The registration form will appear (see figure below).

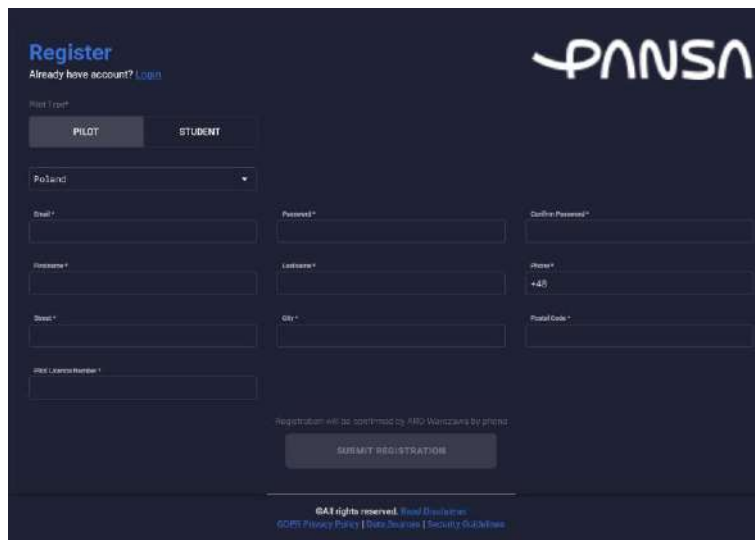

 The image shows the PANSa registration form. At the top left, it says "Register" and "Already have account? [Login](#)". The PANSa logo is at the top right. Below the header, there are two buttons: "PILOT" and "STUDENT". A dropdown menu shows "Poland". The form has several input fields: Email*, Password*, Confirm Password*, Username*, Lastname*, Phone*, Street*, City*, Postal Code*, and Old Username*. At the bottom, there is a "SUBMIT REGISTRATION" button. Below the button, it says "Registration will be confirmed by ARO Warszawa by phone". At the very bottom, there is a small footer: "GAI rights reserved. Read Disclaimer", "GDPR Privacy Policy", "Data Sources", and "Security Subsystem".

Figure 2.2. Registration form

Note

*If you have already created an user account, return to the login window by clicking on the **Login** hyperlink and continue with point 3.*

- You can register for the user group:

PILOT Licensed pilot.

STUDENT Pilot without a license (student).

Click the PILOT / STUDENT button to select your user group (user type).

Accordingly, access to individual functions of the application is enabled/disabled.

- The content of the registration form will be adapted to the selected user group.

Important

*Mandatory fields are marked with a * (star).*

The application will highlight a field if it is filled in incorrectly or left blank.

The password must have at least: 8 characters, 1 uppercase letter and 1 special character (e.g. &, @, etc.).

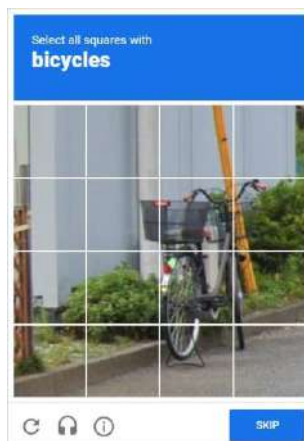
You can only submit a completed and correctly filled out registration.

Fill out the form and click the **SUBMIT REGISTRATION** button to send the registration for approval to ARO Warszawa.

A request for the registration approval is sent to the system administrator.

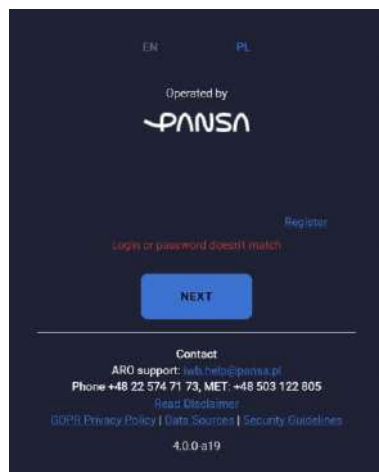
You will be notified by e-mail whether your registration was approved or rejected, and in case of successful registration, you will receive your personal login details. ARO Warszawa informs the users about their successful registration by phone as well.

3. **Fill in your e-mail and password** into the mandatory fields, and check the "I am not a robot" check box to confirm you are a human. Confirm your data by clicking on the **NEXT** button.



4. **In case incorrect login credentials have been entered**, a warning message will be displayed (see an example below).

You can attempt to re-login by pressing the **NEXT** button.



Warning

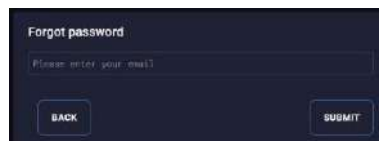
Incorrect credentials can be entered up to 5 times.

The user's account will be temporarily blocked and a warning message will be displayed.

It is necessary to wait for a certain time (e.g. 10 minutes, depending on the current configuration of the application) to log in again.

5. If you have forgotten your password, you need to click on the link **Forgot password?**.

A window will appear (see the following figure).



You can perform the following actions:

- A. To return back to the login window, click the button **BACK**.

Try logging in again (1).

- B. To change the password you need to enter a valid e-mail and confirm it with the **SUBMIT** button.

Instructions for changing the password will be sent to this e-mail.



Important

When the request for a new password expires, i.e., if the user does not click on the link in the e-mail message to set a new password within the specified time, the password must be requested again.

The user is notified of the exact period of validity of the request in the related e-mail message.

6. If the login is correct, the main window of the PANSA (IWB PILOT) web interface will be displayed.



Important

After launching the PANSA (IWB PILOT) application, it is recommended to adjust the zoom of the application's web page in the web browser according to your needs.

2.3. Log out

To log out of your current user account, **click on Log out** in the Logged in User Indicator submenu (see **3.6 (page 64)**).

After logging out, the PANSA (IWB PILOT) Login window will be displayed, see **Figure 2.1 (page 15)**.

Chapter 3. GUI Description

3.1. The Main Web Interface Window

After the user has successfully logged in, the web interface of the main PANSA (IWB PILOT)

application window is displayed (see figure below (see following figure)).



Note

For description of logging into the application see 2.2 (page 14).



Figure 3.1. The PANSA (IWB PILOT) main window

Legend:

1. **Control Panel**, see 3.3 (page 23)
2. **Map Window**, see 3.4 (page 31)
3. **Unit indicator & toggle button** to select distance units used in the application.



Click the button to display distance in kilometers.



Click the button to display distance in nautical miles.

**Note**

Kilometers (km) are set as a default distance unit after the login into the application or restarting the application.

4. Information Bar of the PANSAS (IWB PILOT) application, see 3.5 (page 63)

3.2. Main Menu

Main Menu provides an access to PANSAS (IWB PILOT) key functions.

It is located in the application control panel, see **3.3 (page 23)**.

**Note**

Availability and ordering of the functionalities in the main menu depends on the current configuration.

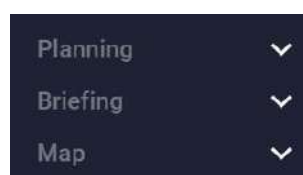


Figure 3.2. The Main Menu of the PANSAS (IWB PILOT)

The Main Menu may contain the following items:

Menu Item	Description
Briefeng	Display submenu items to provide specific information needed for flight planning. For a description of this submenu see 3.8 (page 194) .
Map	Displays the submenu of items for working with map. For a description of this submenu see 3.9 (page 244) .
Plannig	Displaying submenu items for flight planning. For a description of this submenu see 3.7 (page 68) .

3.3. Control Panel

Control Panel provides an access to PANSAS key functions.



Note

The set of functions in the Control Panel depends on the type of logged in user.
Ordering of the functionalities in the Control Panel depends on the current application configuration.

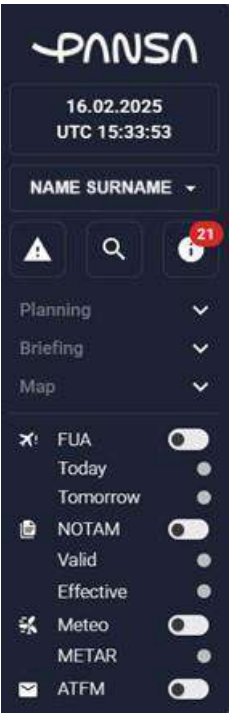
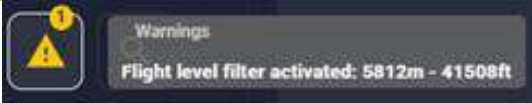


Figure 3.3. The Main Menu of the PANSA

The Control Panel may contain the following items:

Control Element	Description
15.01.2025 UTC 09:47:22	DATE & TIME Indicator presenting the current date and time: • LOC - local system time or • UTC - coordinated universal time Click on the indicator to switch time from LOC to UTC or vice versa.

Control Element	Description
	LOGGED USER Indicator presenting the user's first and last name or the name of the organization to which the user is assigned. Click on the indicator to show/hide the submenu of functions related to the logged-in user. Note <i>For description of the logged user indicator, see 3.6 (page 64).</i>
 	DATA VALIDITY Indicator notifying the user: A. that new system messages from ARO are available and/or Note <i>The function is available depending on the current application configuration.</i> B. that application data: • validity has not been verified and/or • become valid in the future and/or • are filtered according to the applied vertical filter (FL filter). Note <i>For description of the vertical filter, see 3.9.2 (page 248).</i> The figure on the indicator The figure indicates the number of notifications issued by now.
Control Element	Description

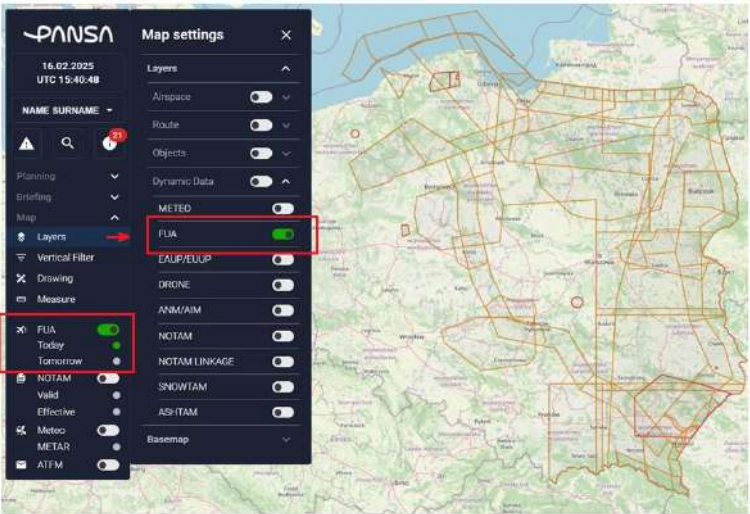
	Note <i>The figure is displayed if at least one notification exists.</i> Tooltip Hover your mouse over the indicator to display a tooltip with the relevant notification. The following image shows an example of an information bubble. Note <i>The tooltip is displayed if at least one notification exists.</i>  Click on the Tooltip to view new system messages (newsletter/news) sent to the system by ARO. The News window will appear with a list of all active and archived news. Note <i>For description of the News window, see 3.8.8 (page 240).</i>
	MAP SEARCH Icon for a search in a database of important places/sites and SDO objects. Click on the  icon to show/hide the Map Search window, designed to specify and start the search. Note <i>For description of the Map Search window, see 3.4.6 (page 61).</i>

Control Element	Description
-----------------	-------------

	NEWS (newsletters) Icon for displaying new system messages (news/newsletters) sent to the system by the FSC (ARO) user. Click on the  icon to show/hide the News window, designed to view the list of all active newsletters and newsletters in archive. Note <i>For description of the News window, see 3.8.8 (page 240).</i> The figure on the indicator The figure indicates the current number of unread newsletters. Note <i>The figure is displayed if at least one unread newsletter exists.</i>						
	MAIN MENU Menu contains: <table border="1"> <tr> <td>Plannig</td><td>Submenu for flight planning, see 3.7 (page 68).</td></tr> <tr> <td>Briefeng</td><td>Submenu to provide specific information needed for flight planning, see 3.8 (page 194).</td></tr> <tr> <td>Map</td><td>Submenu for working with the display in the map window, see 3.9 (page 244).</td></tr> </table> Click on the  /  button of main menu item to expand/collapse the respective submenu.	Plannig	Submenu for flight planning, see 3.7 (page 68).	Briefeng	Submenu to provide specific information needed for flight planning, see 3.8 (page 194).	Map	Submenu for working with the display in the map window, see 3.9 (page 244).
Plannig	Submenu for flight planning, see 3.7 (page 68).						
Briefeng	Submenu to provide specific information needed for flight planning, see 3.8 (page 194).						
Map	Submenu for working with the display in the map window, see 3.9 (page 244).						
	FUA Click on the FUA switch to enable  / disable  FUA display in the map window. Po zapnutí  prepínača "FUA" :						
Control Element	Description						

When the FUA switch is **on** :

- the Dynamic Data / **FUA layer** in the map window is automatically **activated** ;
- **Today** radio button is **on**  (see description below).



FUA information is presented in the "FUA" layer depending on which radio button Today/Tomorrow is enabled :

Today	An indication of the currently valid FUA information is displayed.
Tomorrow	An indication of the FUA information planned for tomorrow is displayed.

Note

This status is indicated by the red highlighting of the  indicator.



NOTAM

Click on the NOTAM switch to enable  / disable  show, in a map window marks of airports for which following message are issued:

Control Element	Description
-----------------	-------------

- NOTAM
- SNOWTAM
- ASHTAM

Note

For a description of the indication of these messages, see 3.4.5 (page 47).

Po zapnutí  prepínača "NOTAM":

When the NOTAM switch is **on** :

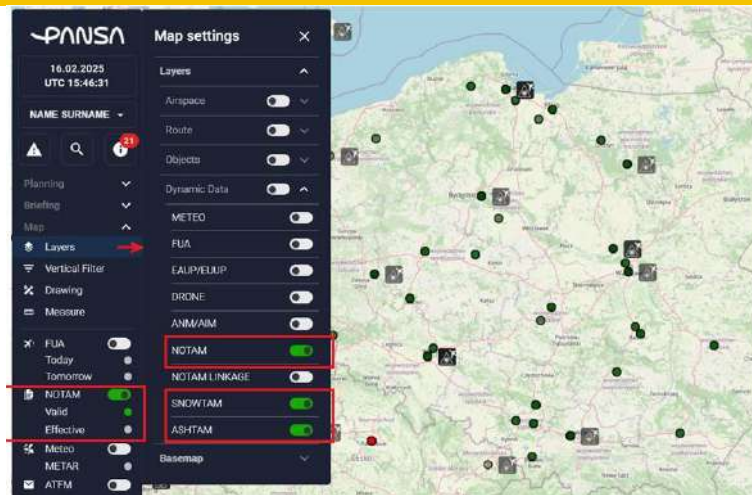
- the following layers:
- Dynamic Data / **NOTAM**;
- Dynamic Data / **SNOWTAM**; • Dynamic Data / **ASHTAM**;

in the map window are automatically **activated** ;

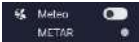
- **Valid** radio button is **on**  (see description below).

Note

For a description of the layers displayed in map window, see 3.9.1 (page 245).

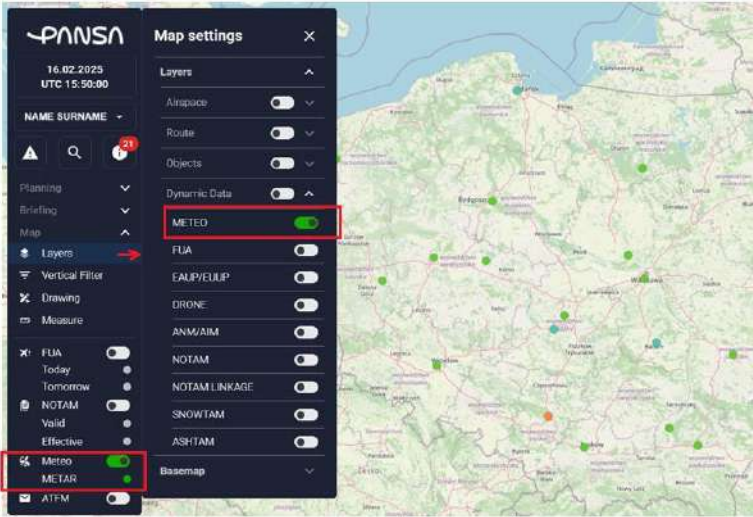


Control Element	Description
-----------------	-------------

	NOTAM Information is presented in the respective layer depending on which radio button Valid/Effective is enabled : <table border="1"> <tr> <td data-bbox="480 257 635 701">Valid</td><td data-bbox="635 257 1407 701"> Setting the toggle button to Valid displays NOTAM messages effective currently and in the future. Colour coding of these two types of NOTAM messages can be adjusted in the configuration file. Note <i>The colour coding of these two types of NOTAM messages depends on the current application configuration.</i> </td></tr> <tr> <td data-bbox="480 701 635 916">Effective</td><td data-bbox="635 701 1407 916"> Setting the toggle button to Effective displays NOTAM messages effective currently. </td></tr> </table>	Valid	Setting the toggle button to Valid displays NOTAM messages effective currently and in the future. Colour coding of these two types of NOTAM messages can be adjusted in the configuration file. Note <i>The colour coding of these two types of NOTAM messages depends on the current application configuration.</i>	Effective	Setting the toggle button to Effective displays NOTAM messages effective currently.
Valid	Setting the toggle button to Valid displays NOTAM messages effective currently and in the future. Colour coding of these two types of NOTAM messages can be adjusted in the configuration file. Note <i>The colour coding of these two types of NOTAM messages depends on the current application configuration.</i>				
Effective	Setting the toggle button to Effective displays NOTAM messages effective currently.				
	Meteo Click on the Meteo switch to enable  / disable  show, in a map window marks of airports for which METAR weather-messages are issued. Types of METAR messages: • METAR (for aerodrome) • TAF (for aerodrome) • SIGMET (for FIR and aerodrome) • FORECAST (for FIR) • GAMET (for FIR) • AIRMET (for FIR) • AD WARN (for aerodrome) • FIR WARN (for FIR) Po zapnutí  prepínača "Meteo": When the Meteo switch is on : • the Dynamic Data / METEO layer in the map window is automatically activated ; • METAR radio button is on  (see description below).				
Control Element	Description				

Note

For a description of the layers displayed in map window, see 3.9.1 (page 245).



Click on the **ATFM** switch to enable  / disable  show an indication of AIM/ANM(REG) message type in a map window for those aerodrome(s)/airspace(s) for which the message has been issued.

3.4. Map Window

The map window provides a graphical display of AIS data on a map.

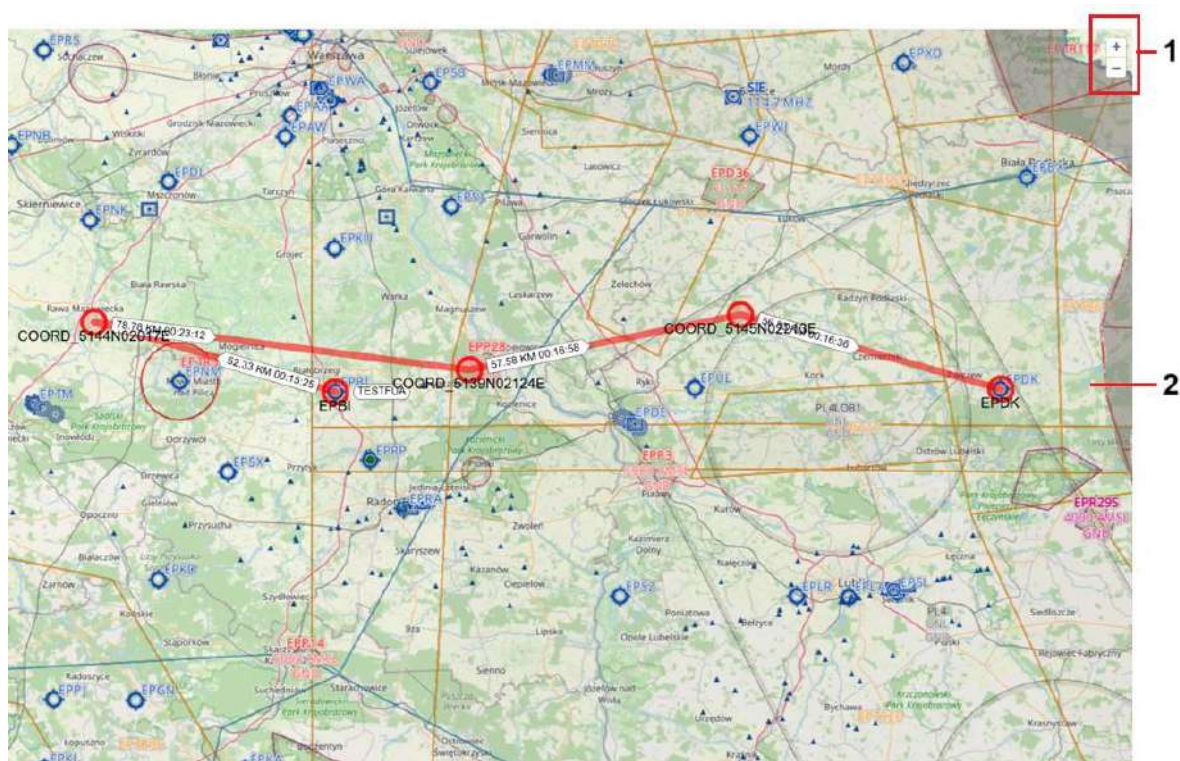


Figure 3.4. Map window

Legend:

1. Zoom in/out buttons:
2. Presented data and manually inserted object (description below)

Presented data:

- Map data, see Basemap 3.9.1 (page 245)
- Static data (SDO), see 3.4.4 (page 45)
- Dynamic data, see 3.4.5 (page 47)

This data is presented in layers that can be activated/deactivated in the **Map Settings** window.



Note

For a description of the Map Settings window and a description of the layers, see 3.9.1 (page 245).

The display of AIS data depends on the vertical filter setting, see 3.9.2 (page 248).

Presented manually inserted objects:

- **Flight route**, see 3.7.3 (page 143)
- **Range Circles**, see 3.7.4.6 (page 171)
- **Drawn objects**, see 3.9.3 (page 252)
- **Measured distance polyline**, see 3.9.4 (page 260)
- **Polygon of the measured area**, see 3.9.4 (page 260)
- **User-defined points**, see 3.7.5.1 (page 178) **Note**

*The user-defined points are displayed in the map layer "Layers / Objects / **User Pionts**".*

*This layer can be activated/deactivated in the **Map Settings** window.*

For a description of the Map Settings window and a description of the layers, see 3.9.1 (page 245).

These objects are displayed above the view layers temporarily:

- when you are working with them or
- until you activate another application function.

Functions in the map window

You activate the functions listed below in standard mouse cursor mode .



Note

For a description of the functions available for non-standard cursor modes (e.g.: distance measurement, inserting flight waypoints, etc.), see the relevant chapters of this manual.

Feature Info window	To display the Feature Info window, LEFT-click the mouse on the selected position in the map window. Feature Info window provides a view features of the objects that overlap at the click position and allows you to activate additional functions. If no SDO data is available for the click position, the "Feature Info" window contains the information Nothing Found and a notification will be displayed. 
Information window	To display the information window, RIGHT-click the mouse on the selected position in the map window. The window displays all available information about the objects that overlap at the click position. If no information is available for the click position, the information window not be displayed and the respective notification will appear. 
Zoom	For a description of zoom-in/out your view in the map window, see 3.4.3 (page 43).
Pan	For a description of pan your view in the map window, see 3.4.3 (page 43).
Map Search	For a description of pan your view in the map window, see 3.4.6 (page 61).

3.4.1. Feature Info window



Note

The function is available:

- for vector-based objects with properties and
- for standard mouse cursor mode .



Important

Before displaying the Feature Info window for the desired object, make sure that the layer containing this object is **activated**  in the "Map Settings" window.

For a description of the Map Settings window and of the layers, see **3.9.1 (page 245)**.

Activation options

- To display the **Feature Info** window with the properties (SDO data) of an object, **click** on the on the desired object in the map window.

if multiple objects (e.g. FIR and airport) overlap at the click position, a common Feature window for these objects will be displayed.

In the common window, you can view properties for each object separately.

Note

The contents of the open "Feature Info" window are automatically updated when you click on a new position in the map window.

If any of the SDO data is not available for the click position, the Feature Info window will display **NIL** for the respective data.

Type	Sunrise	Sunset	Elevation
AD	06:13	15:33	NIL
RWY			
NIL			

If no SDO data is available for the click position, the "Feature Info" window contains the information **Nothing Found** and a notification will be displayed.

	Feature Info 52°10'15"N 017°26'19"E Sunrise Sunset 52°10'16"N 017°26'19"E 06:20 15:49 Nothing found Couldn't fetch SDO data! <tr><td>Deactivation options</td><td> The notification will close automatically after a while, or click on  button. - To close the Feature Info: A. click on the  button to close the Feature Info window, or B. activate a function from the application's main menu. Note <i>For description of the main menu see 3.2 (page 22).</i> </td></tr>	Deactivation options	The notification will close automatically after a while, or click on  button. - To close the Feature Info: A. click on the  button to close the Feature Info window, or B. activate a function from the application's main menu. Note <i>For description of the main menu see 3.2 (page 22).</i>
Deactivation options	The notification will close automatically after a while, or click on  button. - To close the Feature Info: A. click on the  button to close the Feature Info window, or B. activate a function from the application's main menu. Note <i>For description of the main menu see 3.2 (page 22).</i>		

Feature Info window provides a view features (SDO data) of the objects that overlap at the click position and allows you to activate additional functions.

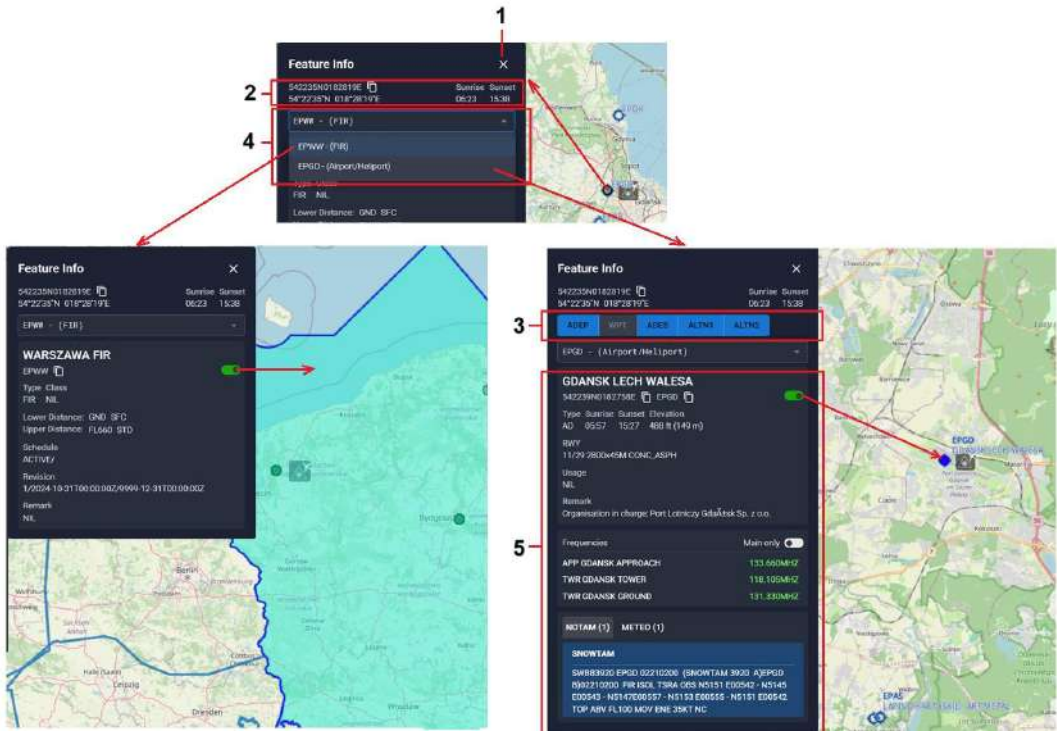


Figure 3.5. Sample of the Feature Info window

Legend:

1. Click on the  button to close the window.

2. Click location

542235N0182819E 	Sunrise	Sunset
54°22'35"N 018°28'19"E	06:23	15:38

The section includes:

- Geographic coordinates of the click location

Click the  icon to copy the coordinates in the displayed format to the clipboard.

- Sunrise and sunset UTC times for respective coordinates

3. Object Menu



The list contains objects that overlap at the click point from where you activated the display of the "Feature Info" window.

The first object from the list is automatically selected and its features are displayed in the window.

Selecting the displayed object

1. Click on the drop-down list to expand it.
2. In the drop-down list, click the object whose features you want to display in the window.

The window contents are updated for the currently selected object.

4. The object's role



Note

The function is available for point SDO object and aerodrome.

To plan a flight using a given object, click one of the following buttons to determine the object's role:

Button	Object's role
ADEP	Aerodrome of departure
WPT	Note <i>The feature is not available for the aerodrome.</i> WayPoint
ADES	Aerodrome of destination
ALTN1	1st alternate aerodrome of arrival
ALTN1	2nd alternate aerodrome of arrival

After clicking on the selected button, the **Flight Log** (New/Edit) window will appear for a creation of FPL for the object with its assigned role.



Note

For a description of the Flight Log (New) window, see 3.7.4 (page 146).

5. Dynamic Data

Sections containing an object-related items (attributes), particularly - object details, dynamic up-to-date information (such as NOTAM, METAR, etc.).



Note

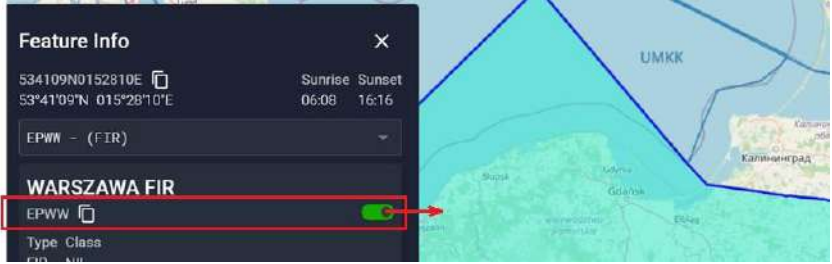
The set of sections and displayed information depends on a type of the object and the current application configuration.

Set of dynamic data display in a map window is done by availability.

Unavailability of information is indicated by a string "NIL" or "Nothong found".

Possible sections:

Data Category	Description
---------------	-------------

Basic Info	The section contains general information on the object E.g.: ICAO name, position, RWY, etc. Click the switch next to the ICAO FIR designation to enable ☒ / disable ☐ the display FIR on the map window (see picture below). Click the  icon to copy the coordinates in the displayed format or ICAO to the clipboard. 
Frequencies	The section is applicable to an Aerodrome. It contains a list of general and optional frequencies on which ATS services are provided. Click on the Main Only switch to enable ☒ / disable ☐ the display of only general frequencies.
NOTAM (N)	Note <i>(N) is the current count of messages displayed in the section.</i> The section (tab) is applicable to an aerodrome and FIR. It contains a list of textual messages of the type: • NOTAM (Effective/Valid) (for FIR and aerodrome) If the "Valid" radio button is enabled in the control panel, currently active messages and messages that will be active in the future display in NOTAM messages list. If the "Effective" radio button is enabled in the control panel, only currently active messages display in NOTAM messages list.

Data Category	Description
---------------	-------------

	Note <i>The colour coding of Effective/Valid NOTAMs depends on the current application configuration.</i> <i>For a description of the control panel, see 3.3 (page 23).</i> • SNOWTAM (for aerodrome) • ASHTAM (for FIR)
METEO (N)	Note <i>(N) is the current count of messages displayed in the section.</i> The section (tab) is applicable to an aerodrome and FIR. It contains a list of the latest effective METEO text messages. The METEO message is issued once per 30 min - 1 hr. If the next time of observation is greater than 2 hours as from the previous one the message is invalid. The following types of METEO messages can be displayed: • METAR (for aerodrome) • TAF (for aerodrome) • SIGMET (for FIR and aerodrome) • FORECAST (for FIR) • GAMET (for FIR) • AIRMET (for FIR) • AD WARN (for aerodrome) • FIR WARN (for FIR)
FPL (N)	Note <i>(N) is the current count of FPLs displayed in the section.</i> The section (tab) is applicable to an Aerodrome. It contains a list of FPLs for flights departing from/arriving at a respective airport, or fly over this airport.
Data Category	Description

ARCID	ADEP	ADES	EOBT		
RYR3QJ	EGSS	EPMO	250219 17:50		
RYR1MN	GCTS	EPMO	250219 16:35		
RYR252N	EPMO	EGSS	250219 14:50		
SPAMR	EPPD	EPMO	250219 13:30		
RYR72XC	EPMO	EBCI	250219 13:25		
AMQ2W	LOWG	EPMO	250219 13:00		
SPSMT	EPRP	EPMO	250219 13:00		

Row background color:

Note

The colors used in the application depend on its current configuration and may differ from those listed below.

Blue	Arrival/landing at the airport
Red	Departure from the airport
White (or without background color)	Departure from- and arrival at the same airport
Green	Flight over the airport

Actions with FPL

The FPL row may contain the following icons:

Icon	Description
	- Click on the icon to export the relevant FPL to a file in *.pdf format. A separate window opens in the web browser, into which the created *.pdf file is loaded.
	- Click on the icon to view the selected FPL route in a map window.

Opr. Hours

The section is applicable to an Aerodrome.

It contains information on operational hours of a control tower (TWR) at a specified airport.

Data Category	Description
Other Services	The section is applicable to an Aerodrome. It contains a list of additional services provided by the airport.
Re-fuelling	The section is applicable to an Aerodrome. It contains information on aircraft re-fuelling facility at a specified airport.
Contact	The section is applicable to an Aerodrome. It contains a list of contact details (phone numbers, web addresses) available for the airport.

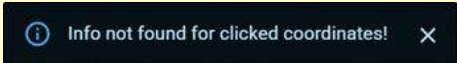
3.4.2. Information window



Important

Before displaying the information window, make sure that the layer containing the desired object is **activated**  in the "Map Settings" window.

For a description of the Map Settings window and of the layers, see **3.9.1 (page 245)**.

Activation options	- To display the information window, RIGHT-click: • on the symbol of a point feature or • on the area of a dynamic airspace. Note <i>If no information is available for the click position, the information window not be displayed and the respective notification will appear.</i>  <i>The notification will close automatically after a while, or click on  button.</i>
Deactivation options	- To close the information window: A. click on the  button to close the information window, or B. click outside the information window.

A **information window** providing all available information about the objects that overlap at the click position.



Note

A set of data to be included in the information window depends on the application configuration.

If some information is not available or cannot be displayed (e.g. connection issues), this information is indicated by a string **NIL**.

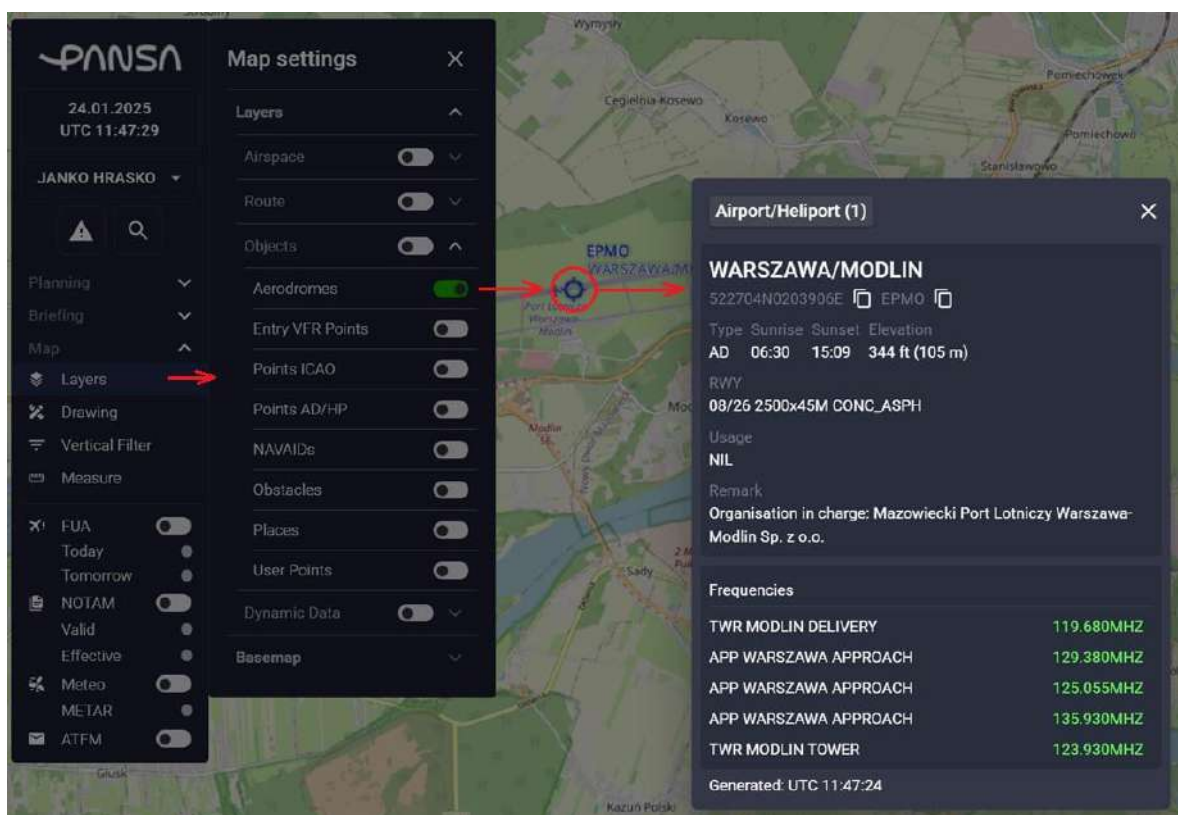


Figure 3.6. Example of displaying an information window for Airport/heliport

3.4.3. Pan & Zoom

Zoom your view in the map window (thus changing the map scale) Use the following techniques:

- A. Zoom in/out by rotating the mouse wheel, or

- B. Zoom in/out by clicking on the  /  button in the upper right corner of the map window.



Zoom-in (increase a size) of the view



Zoom-out (decrease a size) of the view

- C. Zoom-in to a rectangular area

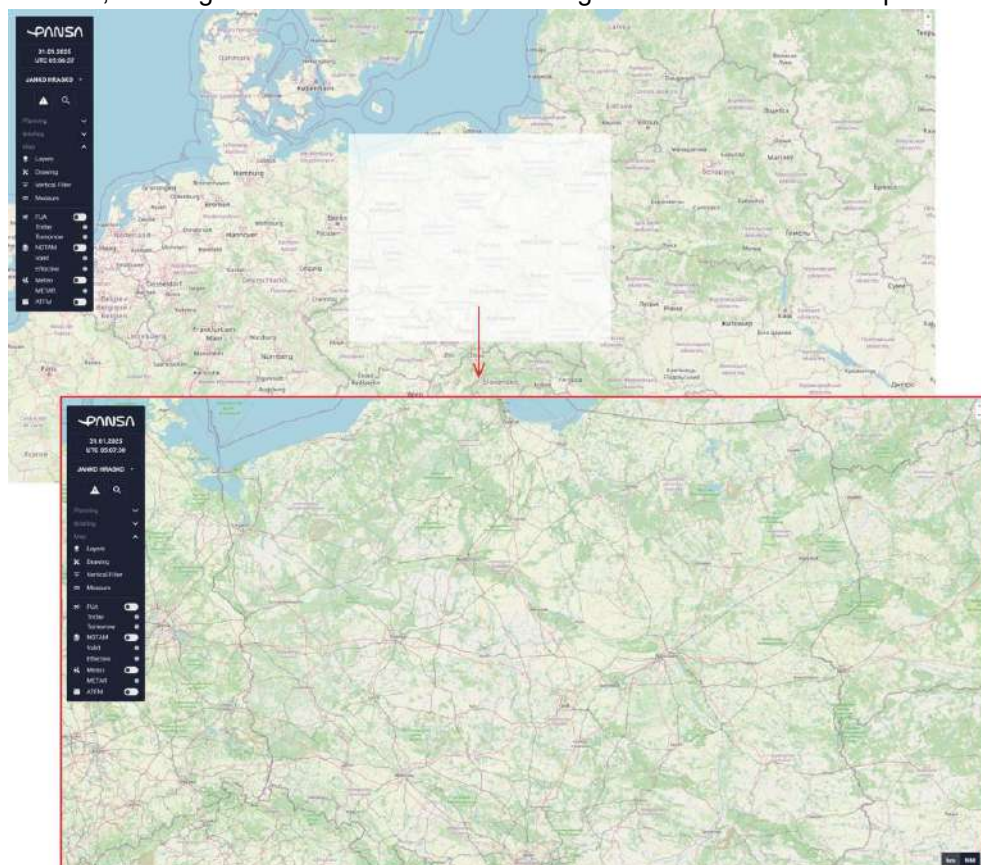
Procedure:

1. Move the mouse cursor to an intended vertex (corner) of a rectangular area you want to zoom in.
2. Press and hold **Shift** key pressed, then press left-mouse button and drag the pointer to draw a rectangle over the area you want to magnify.

A rectangular area is drawn.

3. When the rectangle covers the area, you want to magnify, release the mouse button.

After that, the magnified area will fill all the working area of a view in the map window.



PAN your view in the map window **Procedure:**

1. Press and hold left-mouse button pressed, then move the pointer in a desired direction.
2. After achieving a desired image of what you see on the map, release the mouse button.

3.4.4. Static Data

Static data, i.e. each type of SDO objects, is displayed in separate layers in the map window.

**Note**

You can turn individual layers on/off separately in the "Map Settings."

For a description of the Map Settings window and of the layers, see 3.9.1 (page 245).

The PANSAS application supports the presentation of the following types of SDO objects:

Layer		Shape	Representation
Airspaces	FIR/UIR Flight Information region Upper Information Regions	Polygon	A polygonal area specified by its shape, fill colour and outline colour; optionally, it can be supplemented by a textual attribute indicating the airspace name
	FIS Flight Information Service	Polygon	A polygonal area specified by its shape, fill colour and outline colour; optionally, it can be supplemented by a textual attribute indicating the airspace name
	CTR/MCTR Control Zone Military Control Zone	Polygon/Circle	A polygonal/circular area specified by its shape, fill colour and outline colour; optionally, it can be supplemented by a textual attribute indicating the airspace name
	TMA/MTMA Terminal Control Area Military Terminal Control Area	Polygon/Circle	A polygonal/circular area specified by its shape, fill colour and outline colour; optionally, it can be supplemented by a textual attribute indicating the airspace name

	TRA/TSA Temporary Reserved Airspace Temporary Segregated Area	Polygon/Circle	A polygonal/circular area specified by its shape, fill colour and outline colour; optionally, it can be supplemented by a textual attribute indicating the airspace name
	P/R/D Prohibited Area Restricted Area	Polygon/Circle	A polygonal/circular area specified by its shape, fill colour and outline colour; optionally, it can be supplemented by a textual attribute indicating the airspace name

Layer		Shape	Representation
	Danger Area		
	ADIZ Air Defence Identification Zone	Polygon/Circle	A polygonal/circular area specified by its shape, fill colour and outline colour; optionally, it can be supplemented by a textual attribute indicating the airspace name
	ATZ Aerodrome Traffic Zone	Polygon/Circle	A polygonal/circular area specified by its shape, fill colour and outline colour; optionally, it can be supplemented by a textual attribute indicating the airspace name
	Areas Of Aerial Activites	Polygon/Circle	A polygonal/circular area specified by its shape, fill colour and outline colour; optionally, it can be supplemented by a textual attribute indicating the airspace name
	AWACS mission regions	Polygon/Circle	A polygonal/circular area specified by its shape, fill colour and outline colour; optionally, it can be supplemented by a textual attribute indicating the airspace name
Route	RNAV	Line	A line of a specified width; optionally, the central line of a buffer may be highlighted
	MRT	Line	A line of a specified width; optionally, the central line of a buffer may be highlighted
	VFR	Line	A line of a specified width; optionally, the central line of a buffer may be highlighted
Objects	Aerodromes	Point	A point representing Aerodrome object supplemented by CODE_ID attribute indicating ICAO or IATA code of airport

		Multi-polygon	A multi-polygon reproducing a layout of runways
	Entry VFR Points	Point	Entry point for a specified CTR airspace or TMA; it is represented by a triangle (symbol) and supplemented by textual attribute indicating the point's name
	Points ICAO	Point	A point represented by a triangle (symbol) and supplemented by textual attribute (if available) indicating the point's name
	Points AD/HP	Point	A point represented by a triangle (symbol) and supplemented by textual
Layer		Shape	Representation
			attribute (if available) indicating the point's name
	NAVAIDs	Point	A point represented by a symbol (according to the type: VOR, NDB, etc.) and supplemented with a text attribute (if available) indicating the name of the point
	Obstacles	Point	A point representing Obstacle object and supplemented by textual attribute providing details on the obstacle
	Places	Point	A point represented by a triangle (symbol) and supplemented by textual attribute (if available) indicating the point's name
	User Points	Point	A point represented by a triangle (symbol) and supplemented by textual attribute (if available) indicating the point's name



Note

Symbols used within PANSA application are in compliance with AIP PL, Part 1, GEN 2.3.

3.4.5. Dynamic Data

Dynamic data are presented:

- in Map Window **as symbols/marks**, see Dynamic Data layer in **3.9.1 (page 245)**;
- in Features window **as text**, see **3.4.1 (page 34)**;
- in Features window **as text**, see **3.4.2 (page 41)**.

Duration of time for which dynamic data are displayed in a map depends on their validity.

**Important**

If the radio button **Valid** on control panel is **enabled** ● (ON), currently active messages and messages that will be active in the future are displayed in the NOTAM messages list.

These message types are colour coded, the colours depends on the current application configuration.

If the radio button **Effective** on control panel is **enabled** ● (ON), only currently active messages are displayed in the NOTAM messages list.

This applies to all situations in which NOTAM, SNOWTAM, ASHTAM messages are handled.

For a description of the control panel, see 3.3 (page 23).

The PANSAS application supports the presentation of the following dynamic data:

1. **Airport NOTAMs**, see 3.4.5.1 (page 48)
2. **Area NOTAMs**, see 3.4.5.2 (page 51)
3. **SNOWTAM messages**, see 3.4.5.3 (page 55)
4. **ASHTAM messages**, see 3.4.5.4 (page 58)
5. **AIM & ANM Messages**
6. **AD METEO Messages**
7. **Area METEO Messages**
8. **FUA Messages**
9. **FUA (EAUP/EUUP) Areas**
10. **Weather Radar Images**

3.4.5.1. Airport NOTAMs

Airport NOTAM contain airport ICAO code in **a field A)** of NOTAM form.

This NOTAM is presented in the following window:

(A) Map window

An occurrence of airport NOTAM message is indicated by:



A **NOTAM symbol** over the the airport location

Note

The color and size of the NOTAM symbol depend on the current application configuration.

To show/hide symbols:

1. **Activate**  / **Deactivate**  the **NOTAM** switch in the control panel.
2. **Select the desired effectiveness** of the displayed NOTAMs by enabling  the required **Valid/Effective** radio button in the control panel, see **3.3 (page 23)**.

Note

*For a description of the control panel, see **3.3 (page 23)**.*

(B) Tooltip

For NOTAM airport symbol - To

display the window:

1. **RIGHT-click on the NOTAM symbol**  of the respective airport in the map window.
2. A **tooltip** is displayed that contains:
 - NOTAM list and
 - SNOWTAM list (if SNOWTAM message exists)

issued for the respective airport.

Lists can be distinguished by the background color of the messages.

Note

The order of the NOTAM, SNOWTAM lists and the background color of NOTAM/SNOWTAM messages depend on the current application configuration.



(C) Feature Info window

For the airport symbol  (may be overlaid with a NOTAM symbol )



Important

Before opening the Feature Info window for an airport, make sure that the Layers/Objects/Aerodromes layer is activated  in the "Map Settings" window.

*For a description of the Map Settings window and a description of the layers, see **3.9.1 (page 245)**.*

To display the window:

1. Click on the  airport symbol in the map window.

If the NOTAM switch is activate  on the control panel, the airport symbol may be overlaid with the NOTAM  symbol

In this case, click on the NOTAM symbol  of the respective airport.

2. The **Feature Info** window is displayed, which contains information about the respective airport.

The NOTAM tab contains:

- NOTAM list and
- SNOWTAM list (if SNOWTAM message exists)

issued for the respective airport.

Lists can be distinguished by the background color of the messages.

Note

The order of the NOTAM, SNOWTAM lists and the background color of NOTAM/SNOWTAM messages depend on the current application configuration.



Note

*If no NOTAM has been issued, no messages are available or cannot be displayed (e.g. connection issues), **Nothing Found** is shown in the NOTAM tab.*

For a description of the Feature Info window, see 3.4.1 (page 34).

3.4.5.2. Area NOTAMs

Area NOTAM contain FIR ICAO code in **a field A)** of NOTAM form.

This NOTAM is presented in the following window:

(A) Map window

An occurrence of FIR NOTAM message is indicated by:



A NOTAM symbol over the centre of the FIR

Note

The color and size of the NOTAM symbol depend on the current application configuration.

To show/hide symbols:

1. **Activate**  / **Deactivate**  the **NOTAM** switch in the control panel.
2. **Select the desired effectiveness** of the displayed NOTAMs by enabling  the required **Valid/Effective** radio button in the control panel, see **3.3 (page 23)**.

Note

*For a description of the control panel, see **3.3 (page 23)**.*

(B) Tooltip

For NOTAM FIR symbol - 

To display the window:

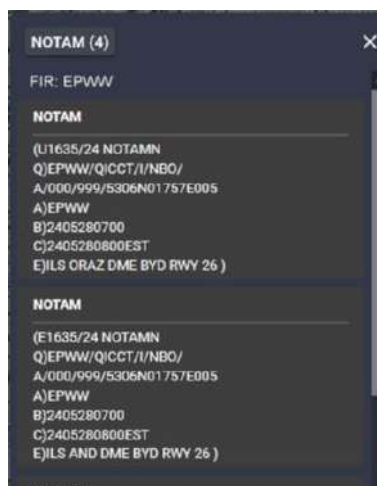
1. **RIGHT-click on the NOTAM FIR symbol**  in the map window.
2. A **tooltip** is displayed that contains:
 - NOTAM list and
 - ASHTAM list (if ASHTAM message exists)

issued for the FIR.

Lists can be distinguished by the background color of the messages.

Note

The order of the NOTAM, ASHTAM lists and the background color of NOTAM/ASHTAM messages depend on the current application configuration.



(C) Feature Info window

For the FIR area - 



Important

Before opening the Feature Info window for an FIR, make sure that the Layers/Airspace/FIR/UIR layer is activated  in the "Map Settings" window.

*For a description of the Map Settings window and a description of the layers, see **3.9.1 (page 245)**.*

To display the window:

1. Click on the FIR area in the map window.



2. The **Feature Info** window is displayed, which contains information about the respective FIR.

The NOTAM tab contains:

- NOTAM list and
- ASHTAM list (if ASHTAM message exists)

issued for the FIR.

Lists can be distinguished by the background color of the messages.

Note

The order of the NOTAM, ASHTAM lists and the background color of NOTAM/ASHTAM messages depend on the current application configuration.



Note

*If no NOTAM/ASHTAM has been issued, no messages are available or cannot be displayed (e.g. connection issues), **Nothing Found** is shown in the NOTAM tab.*

For a description of the Feature Info window, see 3.4.1 (page 34).

3.4.5.3. SNOWTAMs

A SNOWTAM message is issued for the airport.

This NOTAM is presented in the following window:

(A) Map window

An occurrence of airport SNOWTAM message is indicated by two symbols:

- | | |
|---|---|
|  | A NOTAM symbol over the airport location |
| <hr/> | |
|  | A SNOWTAM symbol near the airport location |

Note

The color and size of the symbols depend on the current application configuration.

To show/hide symbols:

1. **Activate**  / **Deactivate**  the **NOTAM** switch in the control panel.
2. **Select the desired effectiveness** of the displayed NOTAMs by enabling  the required **Valid/Effective** radio button in the control panel, see **3.3 (page 23)**. **Note**

*For a description of the control panel, see **3.3 (page 23)**.*

(B) Tooltip

For NOTAM airport symbol - 

To display the window:

1. **RIGHT-click on the NOTAM symbol**  of the respective airport in the map window.
2. A **tooltip** is displayed that contains:
 - NOTAM list and
 - SNOWTAM list (if SNOWTAM message exists)

issued for the respective airport.

Lists can be distinguished by the background color of the messages.

Note

The order of the NOTAM, SNOWTAM lists and the background color of NOTAM/SNOWTAM messages depend on the current application configuration.



(C) Feature Info window

For the airport symbol  (may be overlaid with a NOTAM symbol )



Important

Before opening the Feature Info window for an airport, make sure that the Layers/Objects/**Aerodromes layer is activated** in the "Map Settings" window.

For a description of the Map Settings window and a description of the layers, see **3.9.1 (page 245)**.

To display the window:

1. Click on the **airport symbol** in the map window.

If the NOTAM switch is activate  on the control panel, the airport symbol may be overlaid with the NOTAM  symbol

In this case, click on the NOTAM symbol of the respective airport.

2. The **Feature Info** window is displayed, which contains information about the respective airport.

The NOTAM tab contains:

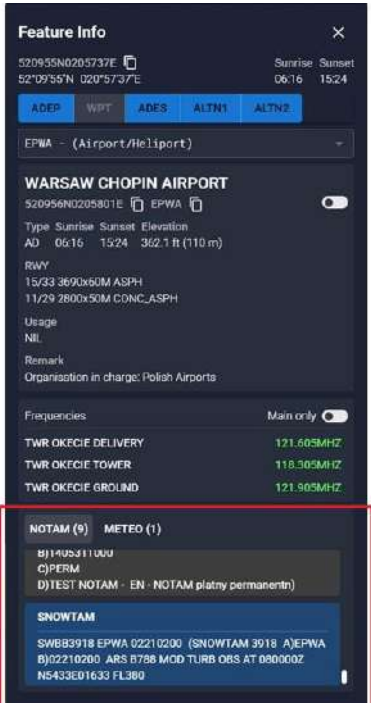
- NOTAM list and
- SNOWTAM list (if SNOWTAM message exists)

issued for the respective airport.

Lists can be distinguished by the background color of the messages.

Note

The order of the NOTAM, SNOWTAM lists and the background color of NOTAM/SNOWTAM messages depend on the current application configuration.



Note

If no NOTAM/SNOWTAM has been issued, no messages are available or cannot be displayed (e.g. connection issues), **Nothing Found** is shown in the NOTAM tab.

For a description of the Feature Info window, see 3.4.1 (page 34).

3.4.5.4. ASHTAMs

A ASHTAM message is issued for the FIR.

This NOTAM is presented in the following window:

(A) Map window

An occurrence of FIR NOTAM message is indicated by two symbols:

- | | |
|---|---|
|  | A NOTAM symbol over the centre of the FIR |
|  | A SNOWTAM symbol near the NOTAM symbol over the centre of the FIR |

Note

The color and size of the NOTAM symbol depend on the current application configuration.

To show/hide symbols:

1. **Activate**  / **Deactivate**  the **NOTAM** switch in the control panel.
2. **Select the desired effectiveness** of the displayed NOTAMs by enabling  the required **Valid/Effective** radio button in the control panel, see **3.3 (page 23)**.

Note

*For a description of the control panel, see **3.3 (page 23)**.*

(B) Tooltip

For NOTAM FIR symbol - 

To display the window:

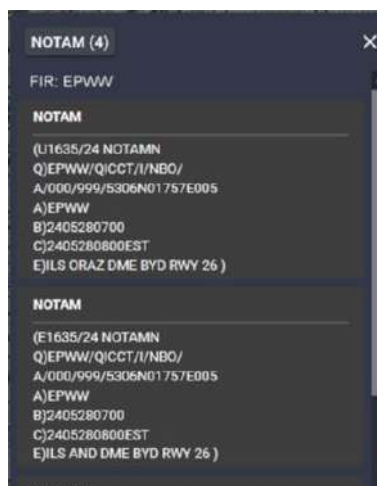
1. **RIGHT-click on the NOTAM FIR symbol**  in the map window.
2. A **tooltip** is displayed that contains:
 - NOTAM list and
 - ASHTAM list (if ASHTAM message exists)

issued for the FIR.

Lists can be distinguished by the background color of the messages.

Note

The order of the NOTAM, ASHTAM lists and the background color of NOTAM/ASHTAM messages depend on the current application configuration.



(C) Feature Info window

For the FIR area - 



Important

*Before opening the Feature Info window for an FIR, make sure that the Layers/Airspace/FIR/UIR layer is **activated**  in the "Map Settings" window.*

*For a description of the Map Settings window and a description of the layers, see **3.9.1 (page 245)**.*

To display the window:

1. Click on the FIR area in the map window.



2. The **Feature Info** window is displayed, which contains information about the respective FIR.

The NOTAM tab contains:

- NOTAM list and
- ASHTAM list (if ASHTAM message exists)

issued for the FIR.

Lists can be distinguished by the background color of the messages.

Note

The order of the NOTAM, ASHTAM lists and the background color of NOTAM/ASHTAM messages depend on the current application configuration.



Note

*If no NOTAM/ASHTAM has been issued, no messages are available or cannot be displayed (e.g. connection issues), **Nothing Found** is shown in the NOTAM tab.*

For a description of the Feature Info window, see 3.4.1 (page 34).

3.4.6. Map Search

Activation options:	- To open/close the Map Search window (see the following figure) to search objects on the map, click on the  icon in the control panel of the PANSA application. Note <i>For description of the control panel see 3.3 (page 23).</i>
----------------------------	--

Map Search window serves for a search and retrieval, in a database of important places/sites and SDO objects to be then shown on a map.

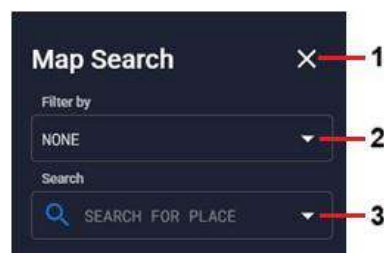


Figure 3.7. Map Search window

Legend:

1. Click on the  button to close the window.

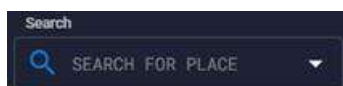
2. **Filter by**



Click the drop-down list to expand the menu.

In the menu, click on the type of SDO object you want to search for.

3. **Search**



In the text box, enter the character string by which you want to search for an object in the object database of the selected object type (point 2).

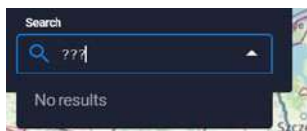
Enter at least 3 characters for a important place or at least 2 characters for an SDO and the search will initiate automatically.

SDO database enables a search for objects and their attributes in accordance with the table below:

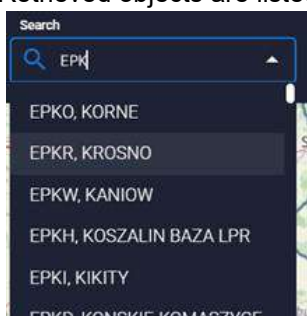
SDO Item	Parameter 1	Parameter 2	Parameter 3	Parameter 4
Places	CODE_ID	TXT_NAME		
User Points	CODE_ID	TXT_NAME		
Aerodrome (Heliport)	CODE_ID	CODE_ICAO	CODE_IATA	TXT_NAME _CITY_SER
Airspace	CODE_ID	TXT_NAME		
Navaid	CODE_ID	TXT_NAME		
VOR	CODE_ID	TXT_NAME		
NDB	CODE_ID	TXT_NAME		
DME	CODE_ID	TXT_NAME		
TAC	CODE_ID	TXT_NAME		
DPN	CODE_ID			
Enroute	TXT_DESIG			

After the search is finished, one of the following options will occur: A.

No object was found that matched the specified string.

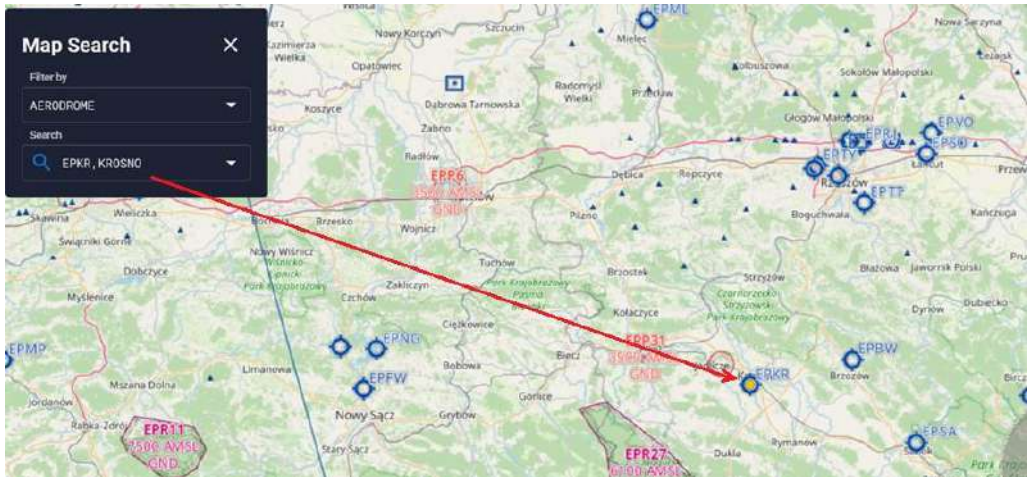


B. Retrieved objects are listed in the menu.



Click on the name/designation of the desired object.

The view in the map window is automatically centered on the location of the relevant object and object is highlighted.



3.5. Information Bar of the application



Note

Availability and ordering of the functionalities in the information bar depends on the current configuration.

All displayed tracks are magnetic | © R-SYS 2024, IWB 4.0.0-a19 | Email [ARO_support](mailto:ARO_support@r-sys.pl) Phone +48 22 574 71 73, MET: +48 503 122 885 | FPL Count: 0

Figure 3.8. The Information Bar of the application.

The Information bar may contain the following indicators:

© R-SYS	Copyright information.
IWB X.Y.Z	The current version of the SW application.
Email:	The contact to the application ANS Provider:
Phone:	
MET:	Click on the e-mail hyperlink if you wish to send a message to ARO support; upon clicking, a window appears with a filled in address of the recipient. Important
To activate e-mail hyperlink, the appropriate Email Client shall be set in operating system by use of Settings/Applications (Apps)/Pre-set applications (Default Apps)/E-mail (Mail) option.	

FPL Count The total count of FPLs currently processed by the PANSAS application.

3.6. Logged User Indicator

The logged-in user indicator is located in the application control panel, see 3.3 (page 23).



Figure 3.9. Logged user Indicator

This indicator consists of either the user's first and last name or the name of the organization to which the user is assigned. It depends on the user's registration in the system. These data are defined in the user's profile, see 3.6.1 (page 65).

Click on indicator to show/hide the submenu that applies to the logged in user.

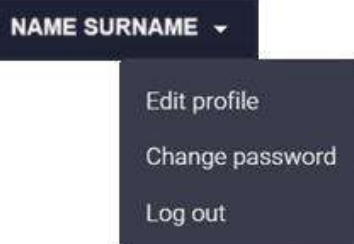


Figure 3.10. Submenu of Logged user Indicator

The submenu contains the following items:

Submenu Item	Description
Edit profile	Displays the Edit Profile window to edit the profile of the currently logged-in user. For a description of the window, see 3.6.1 (page 65).
Change password	Displays the Change User Password window to change the login password of the currently logged-in user. For a description of the window, see 3.6.2 (page 66).
Log out	Logs the user out of the current account, and displays the PANSAS (IWB PILOT) application login window. The login window, see Figure 2.1 (page 15).

3.6.1. Edit Profile

To open the Edit profile window **click on "Edit profile"** in the submenu of the Logged user indicator, see **3.6 (page 64)**.

The Edit profile window allows to update/edit the basic data in the profile of the currently logged in user.



Note

User accounts are managed by the System Administrator on request.

Mandatory data are marked with * (asterisk) in the window.

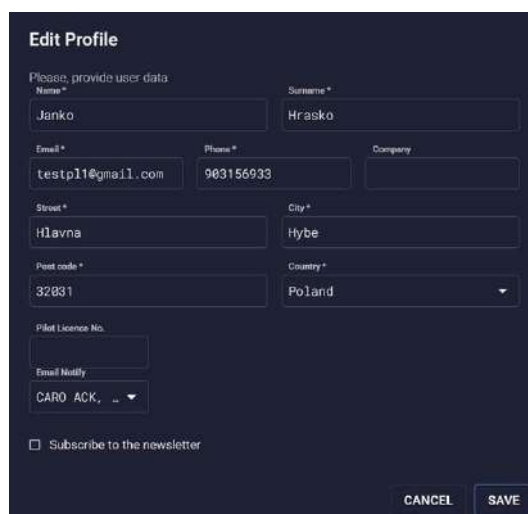


Figure 3.11. Edit profile window

If mandatory information is missing or incorrect, the application will notify you thereof by highlighting the relevant field.

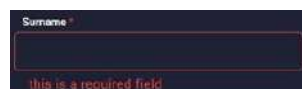


Figure 3.12. Missing mandatory data

The window includes the following options:

A. **To confirm and save changes**, click on **SAVE**.

The user is notified about the result of a user profile update by an appropriate message. B.

To close this window without saving changes, click on **CANCEL**.

3.6.2. Change User Password

To open the Change User Password window **click on Change password** in the submenu of the Logged user indicator, see **3.6 (page 64)**.

The Change User Password window allows to change the login password of the user currently

logged into the PANSA (IWB PILOT) application.



Note

Login password must be **at least 8 characters long**.
Mandatory data are marked with * (asterisk).

Figure 3.13. Change User Password window

If the mandatory data are missing or entered incorrectly, the application will notify the user thereof (see the following figure).

Figure 3.14. Missing or incorrect mandatory data

The window contains the following controls:

Control Element	Description
-----------------	-------------

Old password *	Text field for entering the current password.
New password *	Text field for entering the new password. Important <i>The login password must be at least 8 characters long.</i>
Repeat password *	Text field to repeat the new password.
	To view and check the inserted characters in the New password and Repeat password text fields, click on the  icon. To hide the password, click on the same icon again.
SAVE	The button to confirm the password change and closes the Change User Password window.
CANCEL	The button to close the Change User Password window without saving changes..

3.7. Planning

Click on the  /  button of the **Planning** item in the main menu of the PANSAS application to expand/collapse a submenu for flight planning.



Note

Availability and ordering of the functionalities in the submenu depends on the current configuration.

The function is available just for specified types of users.

For a description of the main menu, see 3.3 (page 23).

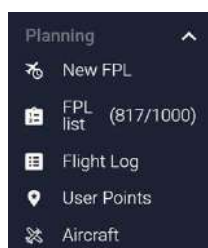


Figure 3.15. Planning Submenu

The submenu may contain the following items:

Submenu Item	Description
 New FPL	Open/Close the New FPL window with the FPL form to new flight plan submission. For a description of the New FPL window see 3.7.1 (page 69).
 FPL list	Open/Close the FPL List window with the FPL list and for working with them. For a description of the FPL List window see 3.7.2 (page 118). Next to the FPL list item name is an indication (A/T) of the number of FPLs in the FPL list: A The count of active FPLs of ongoing flights (DEP message sent) T The total count of FPL
 Flight Log	Open/Close the Flight Log window with a database of flight intentions (plans), and for working with them. For a description of the Flight Log window see 3.7.3 (page 143).
Submenu Item	Description
 User Points	Open/Close the User Points window with a database of user-defined points, and for working with them. For a description of the User Points window see 3.7.5 (page 174).
 Aircraft	Open/Close the Aircraft window with a database of aircraft, and for working with them. For a description of the Aircraft window see 3.7.6 (page 182).

3.7.1. New FPL



Important

Only authorized users can submit flight plans.

Complete the FPL in accordance with Appendix 2 of ICAO Doc 4444-ATM/501.



Note

The function is available just for specified types of users.

Options for opening the FPL form

- **To submit a new FPL**, click on **New FPL** item in the **Planning** submenu of the PANSA (IWB PILOT) main menu, see **3.2 (page 22)**.

A blank, complete FPL form is displayed.

- **To submit a new FPL according to the existing FPL**, click on **NEW FPL** button in the FPL window (see note below).

The complete FPL form is displayed, which contains pre-filled data from the respective FPL.

- **To submit a new FPL from a flight intention (plan)**, click on  icon in the Flight Log window, see **3.7.3 (page 143)**.

The complete FPL form is displayed, which contains pre-filled data from the respective FPL.

- **To submit a new FPL from with the return flight** to the selected FPL, click on **REVERSE ROUTE** button in the FPL window , see **the section called “Section (1) - FPL data” (page 128)**.

The complete FPL form appears indicating FPL-related values for the return flight.

- **To preview a FPL**, click on **VIEW** button in the FPL window (see note below).
In read-only mode, the complete FPL form is displayed, which contains data from the applicable FPL.



Note

To open the FPL window, click on the row of the respective FPL in the FPL List, see 3.7.2 (page 118).

New FPL

FORM FPL TEXT FPL

7 AIRCRAFT IDENTIFICATION *
8 REGISTRATION *
9 TYPE OF AIRCRAFT *
10 EQUIPMENT *
11 FLIGHT RULES *
12 NAME *
13 DATE *
14 TIME *
15 CRUISING SPEED *
16 LEVEL *
17 ROUTE *
18 DESTINATION AERODROME *
19 ALTN AERODROME *
20 2nd ALTN AERODROME *

19 OTHER INFORMATION *
21 DOF *
22 PERSONS ON BOARD *
23 SURVIVAL EQUIPMENT *
24 REMARKS *
25 PILOT IN COMMAND (and person submitting FPL with this phone number without spaces) *

19 SUPPLEMENTARY INFORMATION

26 ADDITIONAL INFORMATION, INSTRUCTIONS

27 Link FPL to user *
28 Pilot FPL (and EPRF) *
29 Pilot FPL (and EPRF) *
30 Sender FPL *
31 Sender Email *
32 Operator ID *

33 Template List

34 TEMPLATE2 *
35 LOAD *
36 DELETE *
37 TEMPLATEX *
38 SAVE *
39 CLOSE *
40 EMPTY FPL *
41 VALIDATE NMB2B *
42 PROPOSE ROUTE *
43 VALIDATE *
44 SEND *
45 PRINT *

Figure 3.16. FPL formular sections - FORM FPL switch on

New FPL

FORM FPL TEXT FPL

FPL text

(FPL ---
- / - /
- 0347
- HVFR
- DOF / 258217)

19 SUPPLEMENTARY INFORMATION

26 ADDITIONAL INFORMATION, INSTRUCTIONS

27 Link FPL to user *
28 Pilot FPL (and EPRF) *
29 Pilot FPL (and EPRF) *
30 Sender FPL *
31 Sender Email *
32 Operator ID *

33 Template List

34 TEMPLATE2 *
35 LOAD *
36 DELETE *
37 TEMPLATEX *
38 SAVE *
39 CLOSE *
40 EMPTY FPL *
41 VALIDATE NMB2B *
42 PROPOSE ROUTE *
43 VALIDATE *
44 SEND *
45 PRINT *

Figure 3.17. FPL formular sections - TEXT FPL switch on

Legend:

Section	Description
---------	-------------

Section (1) FORM FPL TEXT FPL	Section to create/edit FPL. The section offers two ways to create/edit an FPL, which you can switch between with the switches: Clicking on FORM FPL switch to display the complete FPL form to insert all the items of the new FPL separately, see 3.7.1.1 (page 72). Note <i>After the first opening of the New FPL window, the complete FPL form is displayed automatically (by default).</i> Clicking on TEXT FPL switch to display the FPL form to write the FPL in text form, see 3.7.1.2 (page 95). Note <i>After clicking on the switch (2) TEXT FPL, the data entered in the form (1) FORM FPL is automatically transferred to the text form of FPL and you can edit it.</i>
Section (2) Additional information	Section into for entering additional information see 3.7.1.3 (page 97).
Section (3) Actions	The section contains control elements and action buttons that allow to perform further actions on the FPL, e.g. save it, send it, etc., see 3.7.1.4 (page 98).

3.7.1.1. Section (1) - FORM FPL

FSC (ARO) user can create/edit a FPL by filling its items separately in the complete FPL form.

Click on the FORM FPL switch to display the complete FPL form (see the following figure).

The screenshot shows the 'FORM FPL' tab selected. The form is divided into several sections:

- 7 AIRCRAFT IDENTIFICATION ***: A text field for the aircraft registration or ICAO designation.
- 8 FLIGHT RULES ***: A dropdown menu.
- TYPE OF FLIGHT ***: A dropdown menu.
- 9 NUMBER**: A dropdown menu.
- TYPE OF AIRCRAFT ***: A dropdown menu.
- WAKE TURBULENCE ***: A dropdown menu.
- 10 EQUIPMENT ***: A dropdown menu.
- SSR ***: A dropdown menu.
- ABS-B/C**: A dropdown menu.
- 13 DEPARTURE AERODROME ***: A dropdown menu.
- TIME ***: A time selection field showing 0430.
- LEVEL ***: A dropdown menu.
- ROUTE ***: A large text area for the flight route.
- 16 DESTINATION AERODROME ***: A dropdown menu.
- TOTAL EET (H/L/M/N) ***: A time selection field.
- ALTN AERODROME**: A dropdown menu.
- 2nd ALTN AERODROME**: A dropdown menu.
- 18 OTHER INFORMATION ***: A large text area for additional information.
- 19 SUPPLEMENTARY INFORMATION**: A section with various checkboxes and dropdowns for emergency equipment, survival equipment, and other details.

Figure 3.18. FORM FPL



Important

Complete the FPL form in accordance with Appendix 2 of ICAO Doc 4444-ATM/501. Mandatory fields are marked with a * (star).
How to edit the form using the keyboard and mouse, see 3.7.1.5 (page 102).

The FORM FPL form contains the following items:

No.	Item	Description
7	AIRCRAFT IDENTIFICATION *	- Text field for entering the registration or ICAO designation of the aircraft or its call sign. - Insert one of the following: • The registration marking of the aircraft (GABCD, N1234GA), either alone or preceded by the ICAO telephony designator for the operating agency.
No.	Item	Description

		• The ICAO designator for the aircraft operating agency, followed by a flight number. • The call sign determined by the military authorities. Note <i>Insert one of the above aircraft identifications, not exceeding 7 alphanumeric characters.</i> <i>The item is checked whether AIRCRAFT IDENTIFICATION value is inserted.</i> Note <i>Only one FPL per aircraft registration can be submitted within 30 minutes. If another FPL with the same aircraft registration is submitted within this time period, the application notifies the user thereof, and such FPL is not sent.</i>										
8	FLIGHT RULES *	- Select one of the following letters to denote the category of flight rules with which the pilot intends to comply: <table><tr><td>-</td><td>None of the below.</td></tr><tr><td>I</td><td>If it is intended that the entire flight will be operated under the IFR.</td></tr><tr><td>V</td><td>If it is intended that the entire flight will be operated under the VFR.</td></tr><tr><td>Y</td><td>If the flight initially will be operated under the IFR, followed by one or more subsequent changes of flight rules (*).</td></tr><tr><td>Z</td><td>If the flight initially will be operated under the VFR, followed by one or more subsequent changes of flight rules (*).</td></tr></table> * Specify, in Item 15 the point(s) at where a change of flight rules is planned.* Specify, in Item 15 the point(s) at where a change of flight rules is planned followed by VFR (for Y) or IFR (for Z). If the FPL form was generated from a Flight Log (see 3.7.3 (page 143)), and the flight rules in the FPL form are consequently adjusted manually to Y or Z, the respective string VFR or IFR is added automatically at the end of the route in item 15. The user will be notified to verify the contents of item 15, i.e. insert such string after the waypoint in which the change of flight rules is planned.	-	None of the below.	I	If it is intended that the entire flight will be operated under the IFR.	V	If it is intended that the entire flight will be operated under the VFR.	Y	If the flight initially will be operated under the IFR, followed by one or more subsequent changes of flight rules (*).	Z	If the flight initially will be operated under the VFR, followed by one or more subsequent changes of flight rules (*).
-	None of the below.											
I	If it is intended that the entire flight will be operated under the IFR.											
V	If it is intended that the entire flight will be operated under the VFR.											
Y	If the flight initially will be operated under the IFR, followed by one or more subsequent changes of flight rules (*).											
Z	If the flight initially will be operated under the VFR, followed by one or more subsequent changes of flight rules (*).											

No.	Item	Description
-----	------	-------------

		Note <i>Insert just 1 character.</i> <i>The item is checked whether FLIGHT RULES value is inserted.</i> Note <i>If Y or Z letter is inserted in item (8) then IFR- or VFR- flight rules shall be specified in item (15).</i>												
	TYPE OF FLIGHT *	- Select one of the following letters to denote the type of flight: <table><tr><td>-</td><td>None of the below.</td></tr><tr><td>S</td><td>If scheduled air service</td></tr><tr><td>N</td><td>If non-scheduled air transport operation</td></tr><tr><td>G</td><td>If general aviation</td></tr><tr><td>M</td><td>If military</td></tr><tr><td>X</td><td>If other than any of the defined categories above</td></tr></table> Note <i>Insert just 1 character.</i> <i>The item is checked whether TYPE OF FLIGHT value is inserted.</i>	-	None of the below.	S	If scheduled air service	N	If non-scheduled air transport operation	G	If general aviation	M	If military	X	If other than any of the defined categories above
-	None of the below.													
S	If scheduled air service													
N	If non-scheduled air transport operation													
G	If general aviation													
M	If military													
X	If other than any of the defined categories above													
9	NUMBER	- Insert the number of aircraft, if more than one. Note <i>Insert 1 or 2 characters.</i> <i>In NUMBER Item the number of aircraft is set to 1 by default.</i>												
	TYPE OF AIRCRAFT *	- Insert the appropriate designator as specified by ICAO (ICAO Doc 8643), or if no such designator has been assigned, insert ZZZZ and specify in Item 18 the (numbers and) type(s) of aircraft preceded by TYP/												

No.	Item	Description
-----	------	-------------

		Note Insert 2 to 4 characters The item is checked whether TYPE OF AIRCRAFT value is inserted and whether the inserted text string is available in Aircraft DB. Otherwise, the FPL will be evaluated invalid (by the FPL validation check).										
	WAKE TURBULENCE *(Category)	- Select one of the following letters: <table><tr><td>-</td><td>None of the below.</td></tr><tr><td>L</td><td>LIGHT, MTOW of 7.000 kg or less.</td></tr><tr><td>M</td><td>MEDIUM, MTOW less than 136.000 kg but more than 7.000 Kg (15.500 lb).</td></tr><tr><td>H</td><td>HEAVY, MTOW of 136.000 kg (300.000 lb) or more.</td></tr><tr><td>J</td><td>SUPER HEAVY, for Airbus A380-800.</td></tr></table> Note Insert just 1 character. The item is checked whether WAKE TURBULENCE value is inserted.	-	None of the below.	L	LIGHT, MTOW of 7.000 kg or less.	M	MEDIUM, MTOW less than 136.000 kg but more than 7.000 Kg (15.500 lb).	H	HEAVY, MTOW of 136.000 kg (300.000 lb) or more.	J	SUPER HEAVY, for Airbus A380-800.
-	None of the below.											
L	LIGHT, MTOW of 7.000 kg or less.											
M	MEDIUM, MTOW less than 136.000 kg but more than 7.000 Kg (15.500 lb).											
H	HEAVY, MTOW of 136.000 kg (300.000 lb) or more.											
J	SUPER HEAVY, for Airbus A380-800.											
10	EQUIPMENT *	- 10 EQUIPMENT * SSR * ADS-B/C (1) (2) (3) The item comprises following set of control elements: (1) EQUIPMENT * - the field for a inserting/selection of radio communication, navigation and approach aid equipment to be carried on board by checking the respective check box. To choose from the offered items, click on the icon  (1). The following window will appear.										
No.	Item	Description										

Equipment and Capability

✕

☐ N | Check if no COM/NAV/approach aid equipment for the route to be flown is carried, or the equipment is unserviceable.

OR

☐ S | Check if standard COM/NAV/approach aid equipment for the route to be flown is carried and serviceable. Standard equipment is considered to be VHF RTF, VOR and ILS, unless another combination is prescribed by the appropriate ATS authority

AND / OR check one or more of the following letters to indicate the serviceable equipment and capabilities available.

37

☐ A | GBAS landing system
 ☐ B | LPV (APV with SBAS)
 ☐ C | LORAN C
 ☐ D | DME
 ☐ E1 | FMC WPR ACARS
 ☐ E2 | D-FIS ACARS
 ☐ E3 | PDC ACARS
 ☐ F | ADF
 ☐ G | GNSS (Global Navigation Satellite System) If the letter G is used, the types of external GNSS augmentation, if any, are specified in Field 18 following the indicator NAV/ and separated by a space.
 ☐ H | HF RTF
 ☐ I | Inertial Navigation
 ☐ J1 | CPDLC (Controller Pilot Data Link Communications) ATN VDL Mode 2
 ☐ J2 | CPDLC FANS 1/A HFDL
 ☐ J3 | CPDLC FANS 1/A VDL Mode A
 ☐ J4 | CPDLC FANS 1/A VDL Mode 2

SET

Note

*For a description of items listed in windows refer to the section called “EQUIPMENT **” (page 91).*

For a description of working with the window, see **3.7.1.5 (page 105)**.

The user chooses one of the letters N or S. You can selected one or more COM/NAV/approach aid equipment choices for item S.

Confirm the selection with the **SET** button. The letters of the selected options will be displayed in field (1).

☒ A | GBAS landing system
☐ B | LPV (APV with SBAS)
☒ C | LORAN C
☐ D | DME

→

10 EQUIPMENT *
ACD

No.	Item	Description
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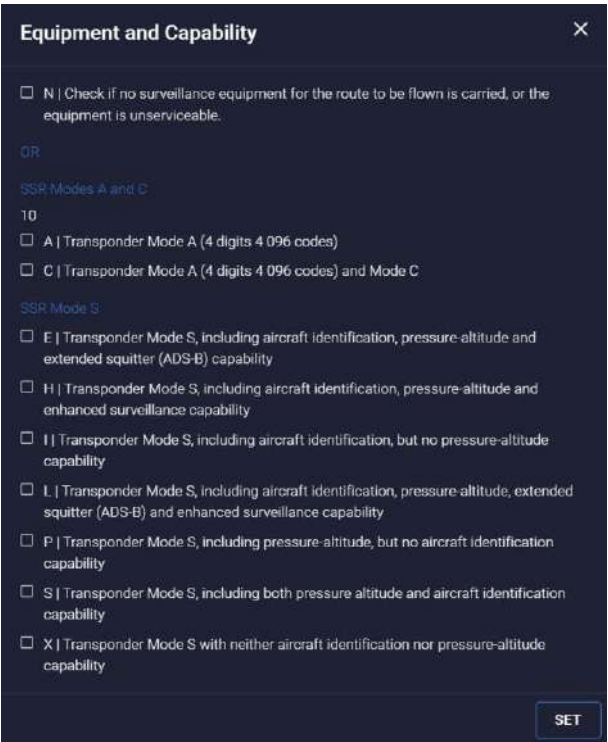
Note

Insert additional communication equipment carried by the aircraft in Item 18 preceded by COM/.

Insert additional navigation equipment carried by the aircraft in Item 18 preceded by NAV/.

- **(2) SSR *** - the field for a inserting/selection the SSR equipment available on board.

To choose from the offered items, click on the icon  **(2)**. The following window will appear.



Note

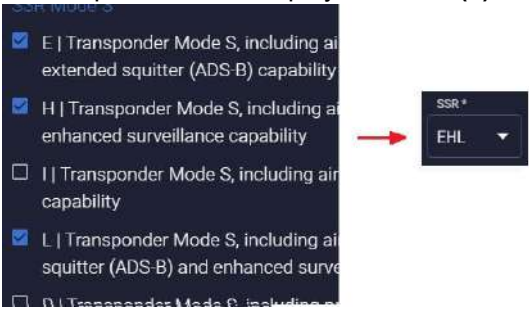
*For a description of items listed in windows refer to **the section called “SSR” (page 93)**.*

*For a description of working with the window, see **3.7.1.5 (page 105)**.*

Choose the letter N or other options. If N is unchecked, you can select 1 or more SUR equipments from the menu.

No.	Item	Description
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Confirm the selection with the **SET** button. The letters of the selected options will be displayed in field (2).



- (3) **ADS-B/C** - the field for a inserting/selection the capabilities available on board.

To choose from the offered items, click on the icon (3). The following window will appear.



Note

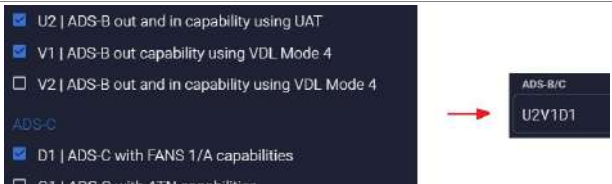
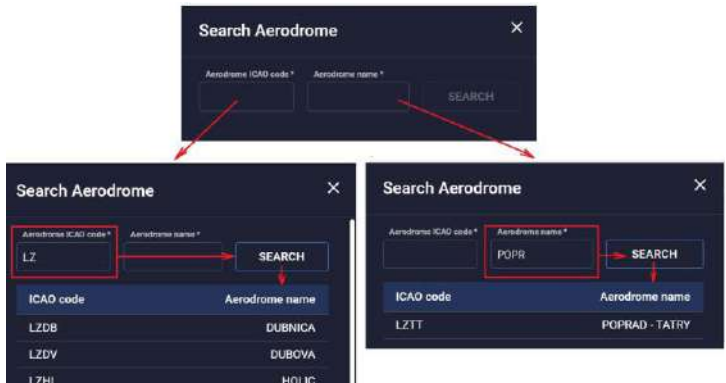
For a description of items listed in windows refer to the section called “ADS-B/C” (page 94).

For a description of working with the window, see 3.7.1.5 (page 105).

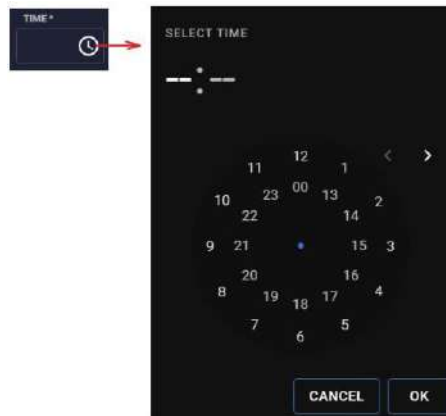
You can perform one or more choices for any item.

Confirm the selection with the **SET** button. The letters of the selected options will be displayed in field (3).

No.	Item	Description
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13	DEPARTURE AERODROME *	- Insert the ICAO Indicator of the departure aerodrome, or if no location indicator has been assigned, insert ZZZZ in the field 13 and in the field 18 write DEP/name and place of aerodrome. Note <i>Insert 4-letter indicator.</i> <i>The item is checked whether DEPARTURE AERODROME value is inserted and whether the inserted text string is available in AIXM DB. Otherwise, the FPL will be evaluated invalid (by the FPL validation check).</i> Enter the data in the text field using the keyboard or click on the icon  to search for the desired ICAO code by the inserted string of characters from the ICAO code, or by the name of the airport. The following window will appear. For description of the window see 3.7.1.5 (page 105).  After selecting an airport from the searched options, its ICAO code is inserted in field 13 and the window closes.
	TIME *	- Insert the estimated off-block time (EOBT) in HHMM format: • HH is hour; • MM is minute. When a new FPL form is opened, this item is empty.
No.	Item	Description

Write the data using the keyboard, or click the icon  to select (set) the time. The following window will appear. For description of the window see **3.7.1.5 (page 105)**.



Confirm the selected time with the **OK** button. The respective data is entered in the TIME field and the window is closed.

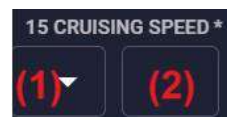
Note

Insert 4 numeral characters

The item is checked whether TIME value is inserted

15 CRUISING SPEED *

- **(1)** A drop-down list to select a letter to indicate the cruising speed and **(2)** a text field to enter the speed value (see the following figure).



Select one of the following letters:

-	None of the below.
K	Kilometres per hour [km/h], expressed as K followed by 4 figures (e.g. K0830)
N	Knots [kt], expressed as N followed by 4 figures (e.g. N0485)
M	True Mach number, when so prescribed by the appropriate ATS authority, to the nearest hundredth of unit Mach, expressed as M followed by 3 figures (e.g. M082)

No.	Item	Description
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		Note <i>Insert maximum 5 characters.</i> <i>The Item is checked whether CRUISING SPEED value is inserted</i>												
	LEVEL * (Cruising Level)	- (1) A drop-down list for selecting a letter for the cruising level designation and (2) a text field for entering the value of the cruising level (see the following figure). LEVEL * (1) ▼ (2) Select one of the following letters: <table><tr><td>-</td><td>None of the below.</td></tr><tr><td>F</td><td>Flight level, expressed as F followed by 3 figures (e.g. F085; F330)</td></tr><tr><td>S</td><td>*Standard Metric Level in tens of metres, expressed as S followed by 4 figures (e.g. S1130)</td></tr><tr><td>A</td><td>Altitude in hundreds of feet, expressed as A followed by 3 figures (e.g. A045; A100)</td></tr><tr><td>M</td><td>*Altitude in tens of metres, expressed as M followed by 4 figures (e.g. M0840)</td></tr><tr><td>VFR</td><td>For uncontrolled VFR flights. No cruising level value is to be entered and the respective text field stays empty and deactivated.</td></tr></table> * When so prescribed by the appropriate ATS authorities. Note <i>Insert maximum 5 characters.</i> <i>The Item is checked whether LEVEL value is inserted.</i>	-	None of the below.	F	Flight level, expressed as F followed by 3 figures (e.g. F085; F330)	S	*Standard Metric Level in tens of metres, expressed as S followed by 4 figures (e.g. S1130)	A	Altitude in hundreds of feet, expressed as A followed by 3 figures (e.g. A045; A100)	M	*Altitude in tens of metres, expressed as M followed by 4 figures (e.g. M0840)	VFR	For uncontrolled VFR flights. No cruising level value is to be entered and the respective text field stays empty and deactivated.
-	None of the below.													
F	Flight level, expressed as F followed by 3 figures (e.g. F085; F330)													
S	*Standard Metric Level in tens of metres, expressed as S followed by 4 figures (e.g. S1130)													
A	Altitude in hundreds of feet, expressed as A followed by 3 figures (e.g. A045; A100)													
M	*Altitude in tens of metres, expressed as M followed by 4 figures (e.g. M0840)													
VFR	For uncontrolled VFR flights. No cruising level value is to be entered and the respective text field stays empty and deactivated.													
	ROUTE *	- Text field to define flight route (see ICAO Doc 4444-ATM/501 Appendix 2). Only agreed terminology can be used: - code designation for routes (e.g. BCN1, R14, etc.); - code designation for points (e.g. LN, HADDY, etc.);												

No.	Item	Description
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		• just degrees, minutes, bearing, distance from point, name of geographical place, change of speed, change of flight rules, climbing, etc. As example, there is DCT (direct) in the field ROUTE, this presents a flight off assigned track, where both points are determined by geographic coordinates. If the FPL form was generated from a Flight Log (see 3.7.3 (page 143)), and the flight rules in the FPL form are consequently adjusted manually to Y or Z (item 8), the respective string VFR (for Y) or IFR (for Z) is added automatically at the end of the route in item 15. The user will be notified to verify the contents of item 15, i.e. insert such string after the waypoint in which the change of flight rules is planned. Important <i>For comprehensive FPL validation, we strongly recommend users to create their flight plan either directly from the flight log or from the map window and flight log.</i> Note <i>The system checks if the ROUTE value is inserted.</i> <i>Special characters (e.g. / & % * ! etc.) and Enter and Tab keys are not allowed in this text field.</i> Note <i>If the FPL is created from the flight intention in the Flight Log window (see 3.7.3 (page 143)), and the route contains only aerodromes of departure (ADEP) and destination (ADES), DCT is automatically inserted into the Item ROUTE.</i> <i>If the item STAY in any of the route segments in the flight intention is filled in, this value is automatically inserted into the Item ROUTE of the FPL.</i> <i>Insert DCT between successive points unless both points are defined by geographical coordinates or by bearing and distance.</i>
16	DESTINATION AERODROME *	- Insert the ICAO Indicator of the destination aerodrome, or if no location indicator has been assigned, insert ZZZZ and then in field 18 write DEST/name and place of aerodrome

No.	Item	Description
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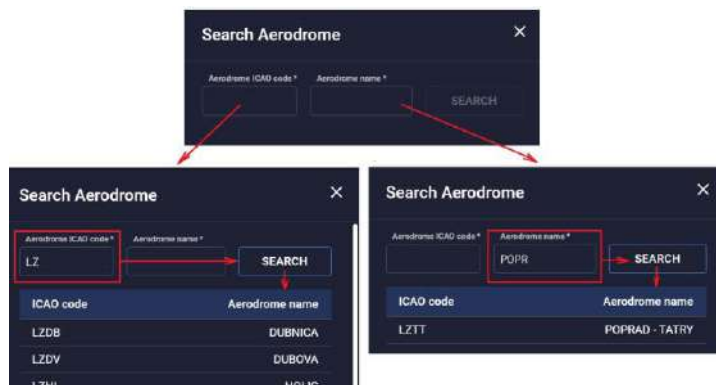
Note

Insert 4-letter indicator.

The item is checked whether DESTINATION AERODROME value is inserted and whether the inserted text string is available in AIXM DB. Otherwise, the FPL will be evaluated "invalid" (by the FPL validation check).

Enter the data in the text field using the keyboard or click on the icon  to search for the desired ICAO code by the inserted string of characters from the ICAO code, or by the name of the airport.

The following window will appear. For description of the window see **3.7.1.5 (page 105)**.



After selecting an airport from the searched options, its ICAO code is inserted in field 16 and the window closes.

**TOTAL EET
(HH,MM) ***

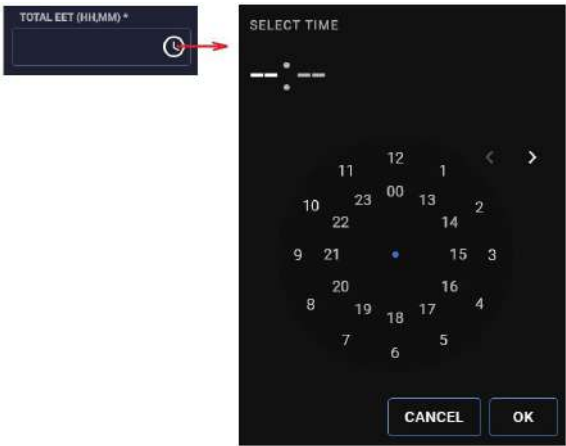
- Insert the the total estimated elapsed time in **HHMM** format:

- **HH** is hour;
- **MM** is minute.

When a new FPL form is opened, this item is empty.

Enter the data using the keyboard, or click the icon  to select (set) the time. The following window will appear. For description of the window see **3.7.1.5 (page 105)**.

No.	Item	Description
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Confirm the selected time with the **OK** button. The respective data is entered in the TOTAL EET field and the window is closed.

Note

- Insert 4 numeral characters*
- The item is checked whether TOTAL EET value is inserted*

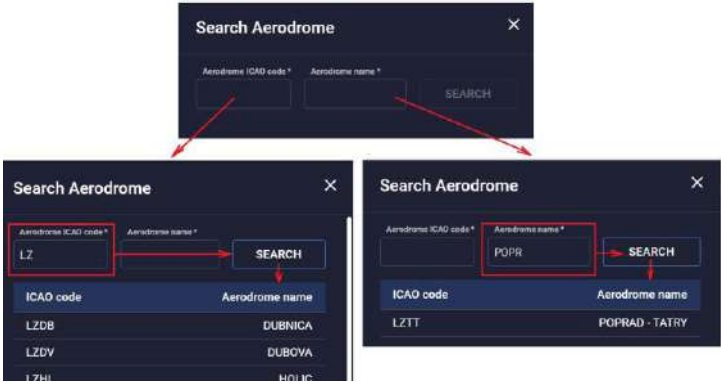
ALTN AERODROME

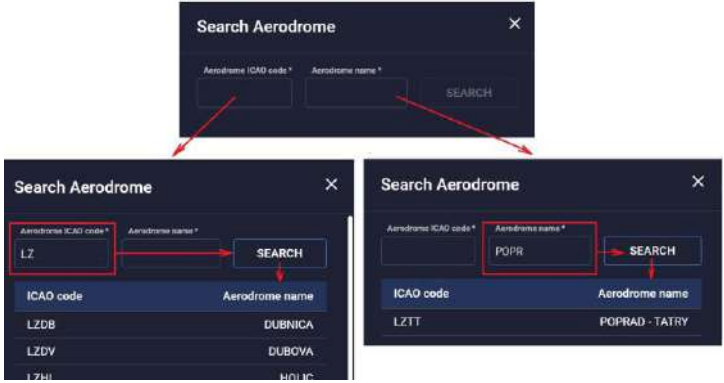
- Insert the ICAO indicator of not more than two destination alternate aerodromes, or, if no designator has been assigned, insert ZZZZ.

Note

- Insert the ICAO 4-letter location indicator(s).*

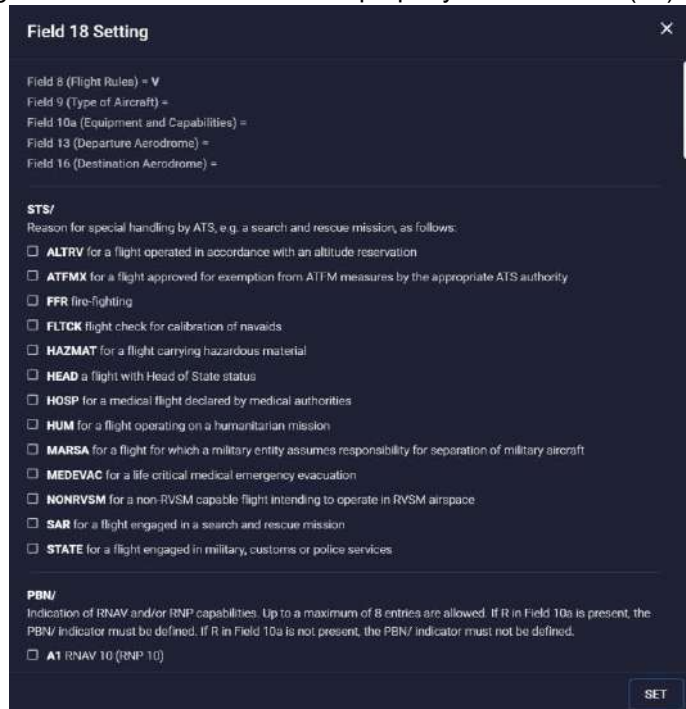
Enter the data in the text field using the keyboard or click on the icon  to search for the desired ICAO code by the inserted string of characters from the ICAO code, or by the name of the airport. The following window will appear. For description of the window see **3.7.1.5 (page 105)**.



No.	Item	Description
		After selecting an airport from the searched options, its ICAO code is inserted in ALTN AERODROME field and the window closes.
	2ND ALTN AERODROME	- Insert the ICAO indicator of not more than two destination alternate aerodromes, or, if no designator has been assigned, insert ZZZZ. Note <i>Insert the ICAO 4-letter location indicator(s).</i> Enter the data in the text field using the keyboard or click on the icon  to search for the desired ICAO code by the inserted string of characters from the ICAO code, or by the name of the airport. The following window will appear. For description of the window see 3.7.1.5 (page 105).  After selecting an airport from the searched options, its ICAO code is inserted in 2ND ALTN AERODROME field and the window closes.
18	OTHER INFORMATION *	- Text field for entering other flight information. Important <i>For inclusion of any other necessary information refer to Appendix 2, ICAO Doc 4444-ATM/501.</i> <i>First enter data in the required fields: 8, 9, 10, 13, 16 and only then field 18.</i> Leave empty if no other information.

No.	Item	Description
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Use the icon -  to open the below **Field 18 Settings** window listing items (8), (9), (10), (13) and (16) including their values, together with instructions how to properly fill-in the item (18).



Field 18 Setting

Field 8 (Flight Rules) = V
 Field 9 (Type of Aircraft) =
 Field 10a (Equipment and Capabilities) =
 Field 13 (Departure Aerodrome) =
 Field 16 (Destination Aerodrome) =

STS/
 Reason for special handling by ATS, e.g. a search and rescue mission, as follows:

- ☐ **ALTRV** for a flight operated in accordance with an altitude reservation
- ☐ **ATFMX** for a flight approved for exemption from ATFM measures by the appropriate ATS authority
- ☐ **FFR** fire-fighting
- ☐ **FLTCK** flight check for calibration of nav aids
- ☐ **HAZMAT** for a flight carrying hazardous material
- ☐ **HEAD** a flight with Head of State status
- ☐ **HOSP** for a medical flight declared by medical authorities
- ☐ **HUM** for a flight operating on a humanitarian mission
- ☐ **MARSA** for a flight for which a military entity assumes responsibility for separation of military aircraft
- ☐ **MEDEVAC** for a life critical medical emergency evacuation
- ☐ **NONRVSM** for a non-RVSM capable flight intending to operate in RVSM airspace
- ☐ **SAR** for a flight engaged in a search and rescue mission
- ☐ **STATE** for a flight engaged in military, customs or police services

PBN/
 Indication of RNAV and/or RNP capabilities. Up to a maximum of 8 entries are allowed. If R in Field 10a is present, the PBN/ indicator must be defined. If R in Field 10a is not present, the PBN/ indicator must not be defined.

- ☐ **A1** RNAV 10 (RNP 10)

SET

To apply changes done in the window, press **SET**.

Field 18 is filled in according to the settings. Use the keyboard to modify the value in field 18 as necessary.

If you fail to insert any of the values of items (8a), (9b), (13a) and (16a), you will be notified about the same.

An entry of the above items is required, otherwise an entry of the item (18) will not be accepted and the FPL will be evaluated "invalid" (by the FPL validation check).



Field 18 Setting

Errors (1)

Field 8 (Flight Rules) = V
 Field 9 (Type of Aircraft) =
 Field 10a (Equipment and Capabilities) =
 Field 13 (Departure Aerodrome) = ZZZZ
 Field 16 (Destination Aerodrome) =

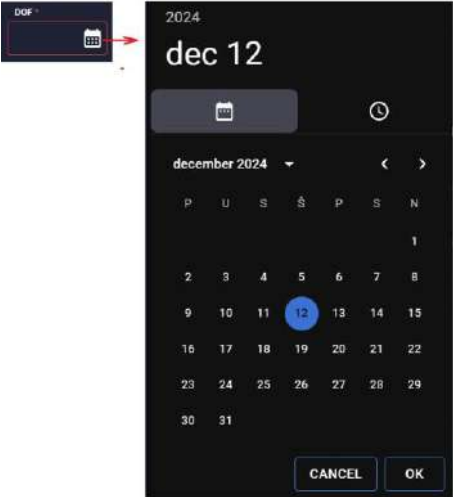
Errors (1)

If ZZZZ or AFIL in Field 13 is present, then the DEP/ indicator must be defined

Note

*Special characters (e.g. / & % * ! etc.) and Enter a Tab keys are not allowed in this text field.*

No.	Item	Description
		Note <i>If ZZZZ is inserted in DEPARTURE AERODROME, DESTINATION or ALTN / 2ND ALTN AERODROME fields of Item (13) and (16), insert in Item (18) enter the string DEP/ or DEST/ or ALT/ followed by one of the following options:</i> • (e.g. DEP/BAGSO); • geographic coordinates of the aerodrome (e.g. DEP/532700608W); • the aerodrome name "gap" and the geographical coordinates of the location of the airport (e.g. DEP/MALAHIDE 532700608W). • the aerodrome name "gap" azimuth and distance of the airport from the nearest significant point (e.g. DEP/MALAHIDE DUB110015). Note <i>If the FPL is created from the flight intention in the Flight Log window (see 3.7.3 (page 143)), and the Stay info item in any of the route segments in the flight intention is filled in, this value is automatically inserted into the Item 18 of the FPL.</i>
	DOF *	- Text field to entering the the total estimated elapsed time in YYYYMMDD format: • YYYY is the calendar year; • MM is the calendar month. • DD is the calendar day. When a new FPL form is opened, this item is empty. Enter the data using the keyboard, or click the icon . The following window will appear. For description of the window see 3.7.1.5 (page 105).
No.	Item	Description

		 Confirm the selected date with the OK button. The respective data is entered in the DOF field and the window is closed. Note <i>The item is checked whether DOF/ value is inserted.</i>
19	SUPPLEMENTARY INFORMATION	The item comprises following elements:
	ENDURANCE *	- Text field to entering the fuel endurance in HHMM format: • HH are hours; • MM are minutes. Note <i>Insert 4 numeral characters. If GLID (a glider) is inserted into the item 9 TYPE OF AIRCRAFT, the endurance value 0000 is valid as well.</i> <i>The item is checked whether ENDURANCE value is inserted</i>
	PERSONS ON BOARD *	- Text field to entering the total number of persons (passengers and crew) on board. Insert TBN (To Be Notified) if the total number of persons is not known when filing. Note <i>Insert 3 numeral characters</i>

No.	Item	Description										
	EMERGENCY RADIO	- Cross out:<table><tr><td>R</td><td>If no emergency radio is carried. U, V and E indications are crossed out and not available</td></tr><tr><td>U</td><td>If UHF on frequency 243.0 MHz is not carried</td></tr><tr><td>V</td><td>If VHF on frequency 121.5 MHz is not carried</td></tr><tr><td>E</td><td>If emergency location beacon - aircraft (ELBA) is not available</td></tr></table>	R	If no emergency radio is carried. U, V and E indications are crossed out and not available	U	If UHF on frequency 243.0 MHz is not carried	V	If VHF on frequency 121.5 MHz is not carried	E	If emergency location beacon - aircraft (ELBA) is not available		
R	If no emergency radio is carried. U, V and E indications are crossed out and not available											
U	If UHF on frequency 243.0 MHz is not carried											
V	If VHF on frequency 121.5 MHz is not carried											
E	If emergency location beacon - aircraft (ELBA) is not available											
	SURVIVAL EQUIPMENT	- Cross out:<table><tr><td>S</td><td>If survival equipment is not carried. P, D, M and J indications are crossed out and not available.</td></tr><tr><td>P</td><td>If polar survival equipment is not carried.</td></tr><tr><td>D</td><td>If desert survival equipment is not carried.</td></tr><tr><td>M</td><td> If maritime survival equipment is not carried. Note This refers to equipment in addition to the life jackets listed in the following section. </td></tr><tr><td>J</td><td>If Jungle survival equipment is not carried.</td></tr></table>	S	If survival equipment is not carried. P, D, M and J indications are crossed out and not available.	P	If polar survival equipment is not carried.	D	If desert survival equipment is not carried.	M	If maritime survival equipment is not carried. Note This refers to equipment in addition to the life jackets listed in the following section.	J	If Jungle survival equipment is not carried.
S	If survival equipment is not carried. P, D, M and J indications are crossed out and not available.											
P	If polar survival equipment is not carried.											
D	If desert survival equipment is not carried.											
M	If maritime survival equipment is not carried. Note This refers to equipment in addition to the life jackets listed in the following section.											
J	If Jungle survival equipment is not carried.											

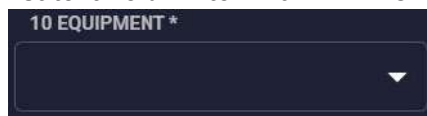
	JACKETS	- Cross out: <table><tr><td>J</td><td>If life jackets are not carried. L, F, U and V indications are crossed out and not available.</td></tr><tr><td>L</td><td>If life jackets are not equipped with lights.</td></tr><tr><td>F</td><td>If life jackets are not equipped with fluorescein.</td></tr><tr><td>U/V</td><td>Cross out U or V or both as in R/ above to indicate radio capability of jackets, if any.</td></tr></table>	J	If life jackets are not carried. L, F, U and V indications are crossed out and not available.	L	If life jackets are not equipped with lights.	F	If life jackets are not equipped with fluorescein.	U/V	Cross out U or V or both as in R/ above to indicate radio capability of jackets, if any.
J	If life jackets are not carried. L, F, U and V indications are crossed out and not available.									
L	If life jackets are not equipped with lights.									
F	If life jackets are not equipped with fluorescein.									
U/V	Cross out U or V or both as in R/ above to indicate radio capability of jackets, if any.									
	DINGHIES	- Cross out indicators D if dinghies are carried.								

No.	Item	Description
	NUMBER	- Text field to entering number of dinghies carried. Note <i>Insert 2 numeral characters.</i>
	CAPACITY	- Text field to entering total capacity, in persons, of all dinghies carried Note <i>Insert 3 numeral characters.</i>
	COVER	- Cross out indicator C if dinghies are not covered Note <i>The COVER box (C) is available after checking the DINGHIES box (D).</i>
	COLOUR	- Text field to entering colour of dinghies if carried.
	AIRCRAFT COLOUR AND MARKINGS *	- Text field to entering colour of aircraft and significant markings. Note <i>Insert maximum 60 characters.</i>

	REMARKS	- Cross out indicator N if no remarks, or indicate any other survival equipment carried and any other remarks regarding Note <i>Insert maximum 60 characters.</i>
	PILOT IN COMMAND *	- Text field to entering a name and a phone number of the Pilot-In-Command (PIC)
No.	Item	Description
		Note <i>Insert maximum 50 characters.</i> <i>If the FPL is submitted by a student, their name and phone number may be inserted into this item as well.</i> <i>If FPL Form is activated:</i> A. by New FPL item from Planning submenu, the content of PIC item is read from Edit Profile window of loggedon user (i.e. the PIC name and phone number is included, see 3.6.1 (page 65)); B. through Flight Log window (see 3.7.3 (page 143)), the name of PIC appears as specified in Crew section/ Flight tab and his phone number is read automatically from the above Profile section of the logged-on user.

EQUIPMENT *

1st text field in item 10 of the FORM FPL (see the following figure).



For description of the list options to choosing radio communication, navigation and approach aid equipment available to the aircraft, see following table.

List Item	Description
N: No COM/NAV/ approach aid equipment or the equipment is unserviceable	- Choose N if no COM/NAV/APP Aid equipment for the route to be flown is carried, or the equipment is unserviceable.

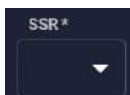
S: Standard COM/NAV/ approach aid equipment	- Choose S if standard COM/NAV/ APP Aid equipment for the route to be flown is carried and serviceable. If the letter S is used, standard equipment is considered to be VHF RTF, VOR and ILS unless another combination is prescribed by the appropriate ATS authority.
A: GBAS Landing System	- Choose A if Ground-Based Augmentation System is carried and serviceable
B: LPV (APV with SBAS)	- Choose B if equipment with LPV capability is carried and serviceable

List Item	Description
C: Loran C	- Choose C if LORAN is carried and serviceable
D: DME	- Choose D if DME is carried and serviceable.
E1: FMC WPR ACARS	- Choose E1 if equipment with FMC WPR ACARS capability is carried and serviceable
E2: D-FIS ACARS	- Choose E2 if equipment with D-FIS ACARS capability is carried and serviceable
E3: PDC ACARS	- Choose E3 if equipment with PDC ACARS capability is carried and serviceable
F: ADF	- Choose F if ADF is carried and serviceable
G: GNSS	- Choose G if GNSS is carried and serviceable, and specify, in Item 18 the types of external GNSS augmentation, if any, preceded by NAV/ and separated by a space.
H: HF RTF	- Choose H if HF radio telephone is carried and serviceable
I: Inertial Navigation	- Choose I if Inertial Navigation System is carried and serviceable
J1: CPDLC ATN VDL Mode 2	- Choose J1 if CPDLC ATN VDL Mode2 comm equipment is carried and serviceable
J2: CPDLC FANS 1/A HF DL	- Choose J2 if CPDLC FANS 1/A HF DL comm equipment is carried and serviceable
J3: CPDLC FANS 1/A VDL Mode A	- Choose J3 if CPDLC FANS 1/A VDL Mode 4 comm equipment is carried and serviceable
J4: CPDLC FANS 1/A VDL Mode 2	- Choose J4 if CPDLC FANS 1/A VDL Mode 2 comm equipment is carried and serviceable
J5: CPDLC FANS 1/A SATCOM (INMARSAT)	- Choose J5 if CPDLC FANS 1/A SATCOM (INMARSAT) equipment is carried and serviceable
J6: CPDLC FANS 1/A SATCOM (MTSAT)	- Choose J6 if CPDLC FANS 1/A SATCOM (MTSAT) equipment is carried and serviceable
J7: CPDLC FANS 1/A SATCOM (Iridium)	- Choose J7 if CPDLC FANS 1/A SATCOM (IRIDIUM) equipment is carried and serviceable
K: MLS	- Choose K if Microwave Landing System is carried and serviceable

L: ILS	- Choose L if Instrument Landing System is carried and serviceable
M1: ATC RTF SATCOM (INMARSAT)	- Choose M1 if ATC RTF SATCOM (INMARSAT) equipment is carried and serviceable
M2: ATC RTF (MTSAT)	- Choose M2 if ATC RTF (MSAT) equipment is carried and serviceable
M3: ATC RTF (Iridium)	- Choose M3 if ATC RTF (IRIDIUM) equipment is carried and serviceable
O: VOR	- Choose O if VHF Omnidirectional Range is carried and serviceable
R: PBN approved	- Choose R if Performance-Based Navigation can be met by the aircraft.
List Item	Description
	If the letter R is used, the PBN levels that can be met are specified in Item 18 following the indicator PBN/. Note <i>The PBN sub-field contains the RNAV and/or RNP certifications and operational approvals applicable for the flight.</i>
T: TACAN	- Choose T if Tactical Air Navigation equipment is carried and serviceable
U: UHF RTF	- Choose U if UHF radio telephone equipment is carried and serviceable
V: VHF RTF	- Choose V if VHF radio telephone equipment is carried and serviceable
W: RVSM	- Choose W if equipment approved for RVSM flights is carried and serviceable
X: MNPS approved	- Choose X if equipment approved for MNPS flights is carried and serviceable
Y: VHF with 8.33 kHz channel spacing capability	- Choose Y if VHF equipment with 8,33 kHz channel spacing capability is carried and serviceable
Z: Other equipment carried or other capabilities	- Choose Z if other equipment is carried or other capabilities are available. If the letter Z is used, specify in Item 18 the other equipment/capabilities, preceded by COM/, NAV/ and/or DAT/, as appropriate.

SSR

2nd text field in item 10 of the FORM FPL (see the following figure).

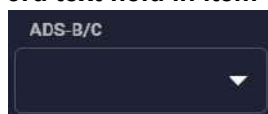


For description of the list options to choosing SUR equipment and capabilities available to the aircraft, see following table.

List Item	Description
N: None	- Choose N if no surveillance equipment for the route to be flown is carried, or the equipment is unserviceable
A: Transponder Mode A	- Choose A if Transponder - Mode A (4 digits - 4 096 codes) is carried and serviceable
C: Transponder Mode C	- Choose C if Transponder - Mode A (4 digits - 4 096 codes) and Mode C is carried and serviceable
List Item	Description
E: Transponder Mode S	- Choose E if Transponder - Mode S, including aircraft identification, pressure altitude and extended squitter (ADS-B) capability is carried and serviceable
H: Transponder Mode S	- Choose H if Transponder — Mode S, including aircraft identification, pressure altitude and enhanced surveillance capability is carried and serviceable Note <i>Enhanced surveillance capability is the ability of the aircraft to down-link aircraft derived data via Mode S transponder.</i>
I: Transponder Mode S	- Choose I if Transponder — Mode S, including aircraft identification, but without pressure altitude capability is carried and serviceable
L: Transponder Mode S	- Choose L if Transponder — Mode S, including aircraft identification, pressure altitude, extended squitter (ADS-B) and enhanced surveillance capability is carried and serviceable Note <i>Enhanced surveillance capability is the ability of the aircraft to down-link aircraft derived data via Mode S transponder.</i>
P: Transponder Mode S	- Choose P if Transponder — Mode S, including pressure altitude, but without aircraft identification capability is carried and serviceable
S: Transponder Mode S	- Choose S if Transponder — Mode S, including both pressure altitude and aircraft identification capability is carried and serviceable
X: Transponder Mode S	- Choose X if Transponder — Mode S with neither aircraft identification nor pressure altitude capability is carried and serviceable

ADS-B/C

3rd text field in item 10 of the FORM FPL (see the following figure).



For description of the list options to choosing ADS-B/C available to the aircraft, see following table.

List Item	Description
B1: ADS-B with dedicated 1090 MHz ADS-B 'out' capability	- Choose B1 if ADS-B with dedicated 1 090 MHz ADS-B “out” capability is carried and serviceable
List Item	Description
B2: ADS-B with dedicated 1090 MHz ADS-B 'out' and 'in' capability	- Choose B2 if ADS-B with dedicated 1 090 MHz ADS-B “out” and “in” capability is carried and serviceable
U1: ADS-B 'out' capability using UAT	- Choose U1 if ADS-B “out” capability using UAT is available
U2: U2 ADS-B 'out' and 'in' capability using UAT	- Choose U2 if ADS-B “out” and “in” capability using UAT is available
V1: ADS-B 'out' capability using VDL Mode 4	- Choose V1 if ADS-B “out” capability using VDL Mode 4 is available
V2: ADS-B 'out' and 'in' capability using VDL Mode 4	- Choose V2 if ADS-B “out” and “in” capability using VDL Mode 4 is available
D1: ADS-C with FANS 1/A capabilities	- Choose D1 if ADS-C with FANS 1/A capabilities is carried and serviceable
G1: ADS-C with ATN capabilities	- Choose G1 if ADS-C with ATN capabilities is carried and serviceable

3.7.1.2. Section (1) - TEXT FPL

FSC (ARO) user can create/edit FPL in the text form.

Click on the **TEXT FPL switch** to display the form for manual entry of FPL in text form (see the following figure).



Figure 3.19. TEXT FPL



Important

Complete the FPL form in accordance with Appendix 2 of ICAO Doc 4444-ATM/501.

How to edit the form using the keyboard and mouse, see 3.7.1.5 (page 102).

The TEXT FPL form contains the following items:

No.	Item	Description
	FPL Text	- Enter the FPL in text form in the text field. Important <i>Follow the FPL text notation rules.</i> Note <i>Data entered in the FORM FPL form will automatically appear in the FPL Text text field after clicking the TEXT FPL radio button.</i> <i>You can edit the created FPL text.</i>

19	SUPPLEMENTARY INFORMATION	Check the box next to SUPPLEMENTARY INFORMATION if you need to provide additional flight information in the FPL. Check The box determines how the data listed in item 19 is stored and whether it is sent to the AFTN network. For VFR flight the box is default unchecked, data is stored only in DB. For IFR/Y/Z flight the box defaults to checked, data is stored and sent via AFTN. This setting can be changed by the AROFSC (ARO) user.
----	----------------------------------	---

3.7.1.3. Section (2) - Additional Information

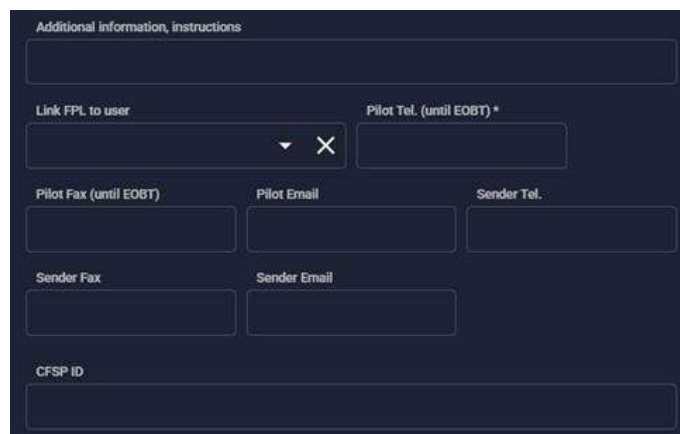


Figure 3.20. The Section of the FPL form to enter additional informations



Note

*Mandatory fields are marked with a * (star).*

The section contains the following controls:

Control Element	Description
Additional information, instructions (for FSC)	Text field to entering additional information and/or instructions for the FSC (ARO) operator.
CFSP ID	Text field to entering the CFSP ID.

Link FPL to user	Text field for inserting the application user you want to link to FPL. Enter the login name and the name of the desired user in the format: "login (name)", e.g. AFTN (aftn). Enter the data in the text field using the keyboard or click on the icon  to search for the desired user by the inserted string of characters from the login name, or the name of the user. The following window will appear. After selecting a user from the searched options, their login name and name are inserted into the Link FPL to user field and the window closes.
Pilot Email	Text field to entering the PIC e-mail address.
Pilot Fax (until EOBT)	Text field to entering the PIC fax number.
Control Element	Description
Pilot Tel. (until EOBT) *	Text field to entering the PIC phone number.
Sender Email	Text field to entering the e-mail of the unit/agency/person filing the FPL
Sender Fax	Text field to entering the fax number of the unit/agency/person filing the FPL
Sender Tel.	Text field to entering the phone number of the unit/agency/person filing the FPL.

3.7.1.4. Section (3) - Actions

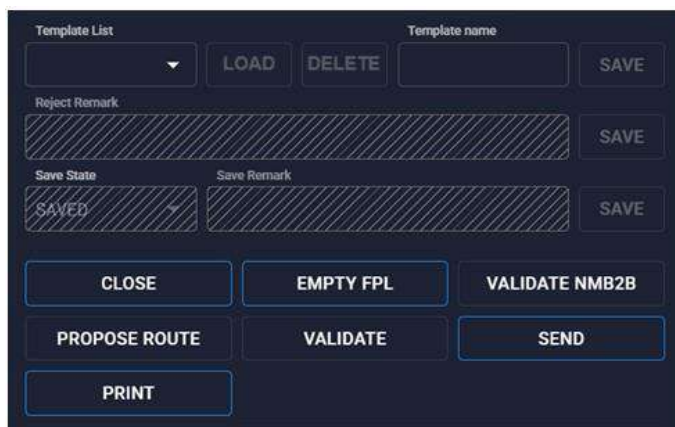


Figure 3.21. The Actions Section of the FPL form

The Actions section may contain the following buttons:

Button (Related control element)	Description
CLOSE	Press the CLOSE button to close the FPL form without accepting the changes made. Note <i>You can activate this function also by clicking on  - the close button of the New FPL window.</i>
DELETE (Template List)	Press the DELETE button to remove an FPL template from FPL template database of the logged-in user. Select, in a drop-down list the template to be removed and press DELETE.

Button (Related control element)	Description
	Note <i>Initially, FPL template database of the logged-in user is empty.</i>
EMPTY FPL	Press the EMPTY FPL button to remove values of all items contained in the FPL form and inserted by the user, i.e. just the values filled in automatically (read from Profile of the logged-on user), will remain.
LOAD (Template List)	Press the LOAD button to load the currently selected FPL template into the FPL form. The template selection must be made in the Template List. Note <i>Initially, FPL template database of the logged-in user is empty.</i>
PRINT	Press the PRINT button to open FPL PDF window displaying a current FPL form in PDF file format. The window contains controls with saving/printing options to save and print the list as appropriate.

PROPOSE ROUTE	Press the PROPOSE ROUTE button to open Proposed Routes window listing flight routes proposed by NMOC after FPL form completing. Select a route of your choice and copy it to FPL form by use of Change Route button. Then the route will appear in the 15 item "ROUTE" in the FPL form, see 3.7.1.1 (page 72). When pressing Propose Route button a local check of FPL correctness will be performed. Important <i>When completed a dialog box appears informing on the check results. If required, correct/modify your entries and repeat the action by pressing Propose Route.</i>
SAVE (Template Name)	In any time of filling FPL, it is possible to save it into a template under a name in the filed "Template Name" and clicking SAVE button. Important <i>If a template with the same name already exists, it will be overwritten.</i>

Button (Related control element)	Description
	Note <i>When an FPL template is saved as FPL Form, its name is immediately indicated in the text box for its modification as the case may be.</i> <i>Should an FPL form contain incorrect values the fields containing incorrect values are red highlighted.</i> <i>Despite of this, such invalid FPL form can be stored in a database of FPL templates.</i>

VALIDATE	Press the VALIDATE button to check a correctness of FPL form completion. Validation concerns syntax in terms of Regulation L4444. Note <i>This validation is automatic, always after sending a FPL.</i> One of the following situations occurs: A. The FPL form IS filled out correctly. The user is notified thereof (see the following figure).  B. The FPL form IS NOT filled out correctly. The Valitation results (N) is displayed and contain information about the incorrect completion of the message. N represents the number of messages in the result. To expand or collapse the list of results, click on its title.
Button (Related control element)	Description

	New FPL FORM FPLTEXT FPL Validation results (3) FABRICANT IDENTIFICATION* SPIEST IS FLIGHT RULES* V TYPE OF FLIGHT* G IS OTHER INFORMATION* DEST / LHBT 4801NG1549E QPR/PANSA ISSUANCE TYPE OF RECEIPT* MARKS / ENDORSEMENTS* C172 New FPL FORM FPLTEXT FPL Validation results (3) APL TIME (FPL - SPIEST-VG -C172/L -S/C -L23T -M0118499.0 DCT -ZZZB035 -DEST / LHBT 4801NG1549E QPR/PANSA Validation results (3) F10s Invalid Equipment, Y is required F13s Invalid EOBOT F19 / Hot phone number is mandatory.
--	--

Correct/complete the data in the FPL form and repeat the check procedure by pressing **VALIDATE** button.

Important

You can submit a correctly completed FPL.

Even if the flight plan is OK based on local validation, it does not mean that the FPL is accepted by the IFPS system after sending.

3.7.1.5. Form Editing

Move through the form items



Note

The currently edited form item has a highlighted border.

7 AIRCRAFT IDENTIFICATION *	8 FLIGHT RULES *	TYPE OF FLIGHT *
	V	G

Key/ Button	Description
Left mouse button	Clicking on any control element on the form activates the function associated with that element. For example in the case of a text field, its editing becomes available.
Tab	Move the action (editing) forward to the next control element in the form (e.g. text field, button, icon, etc.).
Shift+Tab	Move the action (editing) forward to the previous control element in the form (e.g. text field, button, icon, etc.).

Tooltip

For some form items, a tooltip is displayed with a basic description of the item's value (see the following figure).

TYPE OF FLIGHT *	(1 character) Insert one of the following letters to denote the type of flight: - S if scheduled services - N if non-scheduled air transport operations - G if general aviation - M if military - X if other than any of the defined categories above
------------------	--

To display the tooltip:

A. Keyboard

Use the key **Tab** or **Shift+Tab** to move the action (editing) to the form item.

B. Mouse

Place the mouse cursor on the form item.

Insert a value into text field



- To edit the text field of the form item:

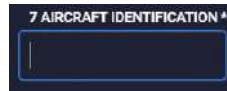
A. Keyboard

By repeated pressing **Tab** or **Shift+Tab** key move to form item (in a text field) you wish to modify.

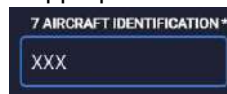
B. Mouse

Click in the text field.

The text field border will be highlighted and a text cursor will appear in the field (see the following figure).



2. Type the value into the text field as appropriate.



3. A. Keyboard

Proceed to the next item (use **Tab**) or go back to the previous one (use **Shift+Tab**).

B. Mouse

Click in the field of another item of the form or on some of its buttons.

Select a value in drop-down menu



1. A. Keyboard

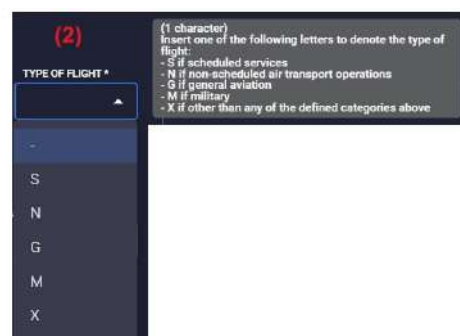
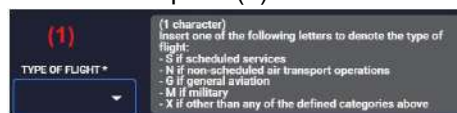
By repeated pressing **Tab** or **Shift+Tab** key move to form item (in a drop-down menu) you wish to modify.

B. Mouse

Click on the appropriate drop-down list.

The frame of the drop-down list is highlighted, the tooltip for the form item is displayed, if the item has one and the drop-down list menu is expanded at the same time (see the following figure (2)).

Continue with point (3).



2. **Keyboard**

Press **Enter** to expand the drop-down menu (see the previous figure (2)).

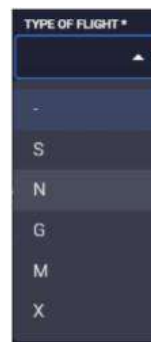
3. To select the desired value: A. **Keyboard**

Choose the desired menu item by use of arrow keys (**↑** / **↓**).

B. **Mouse**

Place the mouse cursor on the desired value in the drop-down menu.

The currently selected value is distinguished in the menu by a highlighted background (see the following figure).



4. To confirm your selection:

A. **Keyboard**

Press the **Enter** key.

B. **Mouse**

Click on the selected value in the drop-down menu. The menu will automatically collapse. Continue with the last step of the procedure.

5. **Keyboard**

Press **Esc** to collapse the drop-down menu.

6. A. **Keyboard**

Proceed to the next item (use **Tab**) or go back to the previous one (use **Shift+Tab**).

B. **Mouse**

Click in the field of another item of the form or on one of its buttons.

ICONS FOR EDITING FORM ITEMS



Depending on the form item for which you activated the icon, the following will appear:

A. A window **for finding** the required value of a form item.

For example, for field 13 DEPARTURE AERODROME.

B. A window for multiple selection of the values of the respective form item.

For example, for field 10 EQUIPMENT.

(A) Display a window to search for the desired value of the form item.

See the following figure for a sample.

ICAO code	Aerodrome name
LZTN	TRENCIN
LZTR	BOLERAZ/STEFAN BANIC
LZTT	POPRAD - TATRY

Procedure:**Note**

*If you use a **mouse**, start with **step 2**.*

1. Keyboard

Use the **Tab** key or **Shift+Tab** keys to move the action in the form to the  icon.

2. To open a window for multiple selection of values of the respective form entry:**A. Keyboard**

Press the **Enter** key.

B. Mouse

Click on the  icon and continue with **step 4**.

Note

To close the window without accepting the changes, use the  close button.

3. Keyboard

Use the **Tab** key or **Shift+Tab** keys to move the action in the window into the selected text field.

4. Use the keyboard to enter a string of alphanumeric characters into the field.**5. To start a search in the database:****A. Keyboard**

Use the **Tab** key or **Shift+Tab** keys to move the action in the window to the "**SEARCH**" button and press the **Enter** key.

B. Mouse

Click on the **SEARCH** button.

In the list below the SEARCH button, the searched values that contain the given character string (if any) will be displayed. Otherwise, the list will not be displayed.

6. To select the desired value from the displayed list of search values:

A. Keyboard

Use the arrow keys ↓/↑.

B. Mouse

Click on the desired value to confirm it.

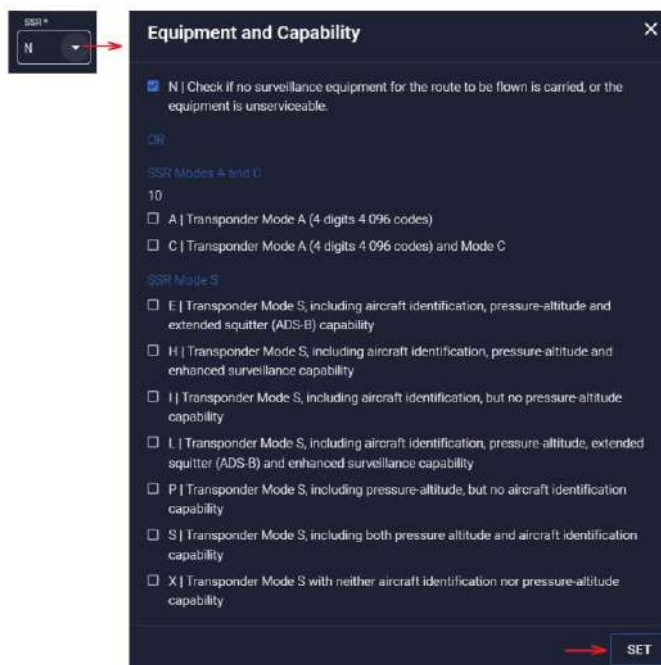
7. **Keyboard**

Press the **Enter** key to confirm your selection.

The window to find the desired value of the form entry closes and the selected value is entered into the appropriate form field.

(B) Display a window for **multiple selection of values** of the respective form item.

An example is shown in the following figure.



Procedure:**Note**

*If you use a **mouse**, start with **step 2**.*

1. Keyboard

Use the **Tab** key or **Shift+Tab** keys to move the action in the form to the  icon.

2. To open a window for multiple selection of values of the respective form entry:**A. Keyboard**

Press the **Enter** key.

B. Mouse

Click on the  icon and continue with **step 4**.

Note

To close the window without accepting the changes, use the  close button.

3. Keyboard

Use the **Tab** key to move the action in the window to the radio button of the first value from the top or the **Shift+Tab** keys to the radio button of the last value.

4. To select or deselect the desired value:**A. Keyboard**

Use the arrow keys ↓/↑.

B. Mouse

Click the /  checkbox of the desired value.

Explanation of the appearance of the check box:

 The value **IS** selected.

	The value IS NOT selected. 5. To confirm the selection of values: A. Keyboard Use the Tab key or Shift+Tab keys to move the action in the form to the "SET" button and press the Enter key. B. Mouse Click on the SET button. The window for multiple selection of values of the respective form entry is closed and the selected values are inserted into the respective form field.
	CALENDAR icon – display the date and time selection window. Note <i>Depending on the form entry for which the function is activated, only the date setting or only the time setting or both may be available in the window.</i> SELECT DATE & TIME 2024 dec 16 december 2024 P U S S P S N 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 CANCEL OK

Procedure:**Note**

*If you use a **mouse**, start with **step 2**.*

1. Keyboard

Use the **Tab** key or **Shift+Tab** keys to move the action in the form to the  icon.

2. To open a window to set the date and time:**A. Keyboard**

Press the **Enter** key.

B. Mouse

Click on the  icon and continue with **step 4**.

When the window is opened, the calendar is displayed and the current date, or the last confirmed date, is set.

Note

To close the window without accepting changes:

A. Keyboard

*Press the **Esc** key.*

B. Mouse

Click outside the window.

3. A. Keyboard

Use the **Tab** key or **Shift+Tab** keys to move forward/backward through the controls in the window.

To activate the relevant function, press the **Enter** key.

To select a specific value, use the arrow keys ↓/↑.

B. Mouse

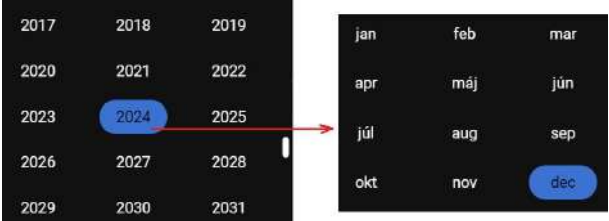
To activate any control in the window, click on it.

The window contains the following controls:

Procedure:

Note

If you use a **mouse**, start with **step 2**.

	The icon to display the controls for setting the date.
	The icon to display the controls for setting the time (described later in this table).
	Icon to display calendar years to select a specific year. Confirming the year selection will display the calendar months in the year for the selection of a specific month (description below for the  button). 



The icon to display the calendar months of the year to select a specific month.

Confirming the selection will display the calendar days in the respective month.



Legend:



Current calendar day.



Selected calendar day.



The marked calendar day, i.e. the day to which the action is moved from the keyboard or to which the mouse cursor is pointing.

4.
5.

	The Icon to display the days of the previous calendar month.
	The Icon to display the days of the next calendar month.

To confirm the selected date/time:

A. Keyboard

Use the **Tab** key or **Shift+Tab** keys to move the action in the form to the **"OK"** button and press the **Enter** key.

B. Mouse

Click on the **OK** button.

The window closes and the confirmed data is displayed in the relevant field of the form.

To close the window without confirming the selected date/time:

A. Keyboard

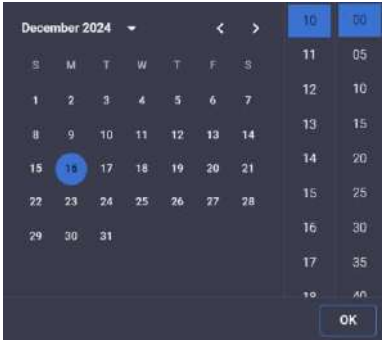
Use the **Tab** key or **Shift+Tab** keys to move the action in the form to the **"CANCEL"** button and press the **Enter** key.

B. Mouse

Click on the **CANCEL** button.



CALENDAR icon – Display a window for selecting the date and the time (if applicable).



Procedure:

Note

If you use a mouse, start with step 2.

1. Keyboard

Use the **Tab** key or **Shift+Tab** keys to move the action in the form to the  icon.

2. To open a window to set the date and time:

A. Keyboard

Press the **Enter**.key.

B. Mouse

Click on the  icon and continue with **step 4**.

When the window is opened, the calendar is displayed and the current date, or the last confirmed date, is set.

Note

To close the window without accepting changes:

A. Keyboard

*Press the **Esc**.key.*

B. Mouse

Click outside the window.

3. A. Keyboard

Use the **Tab** key or **Shift+Tab** keys to move forward/backward through the controls in the window.

To activate the relevant function, press the **Enter** key.

To select a specific value, use the arrow keys ↓/↑.

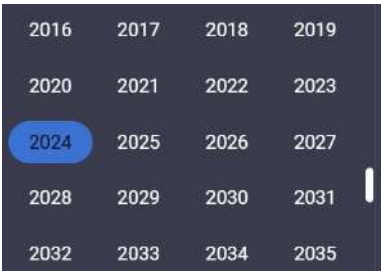
Press **Enter** to confirm the value selection, or it can be automatically confirmed after selection.

B. Mouse

The window contains the following controls:



Icon to display calendar years to select a specific year.



Icon to display calendar days in the selected month and year to select a specific day.



Legend:



Current calendar day.



Selected calendar day.



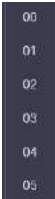
The marked calendar day, i.e. the day to which the action is moved from the keyboard or to which the mouse cursor is pointing.



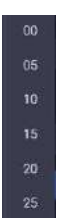
The icon to display the days of the previous calendar month.



The icon to display the days of the next calendar month.



The list for selecting hours.
If you are using a mouse, you can scroll through the contents of the list by scrolling the mouse wheel.



The list for selecting minutes. The menu consists of values 5 minutes apart.

If you are using a mouse, you can scroll through the contents of the list by scrolling the mouse wheel.

Selecting the minute will close the date and time setting window and the selected data will be displayed in the corresponding field of the form.



CLOCK icon – display the time selection window.



Procedure:

Note

*If you use a **mouse**, start with **step 2**.*

1. Keyboard

Use the **Tab** key or **Shift+Tab** keys to move the action in the form to the  icon.

2. To open the time setting window:

A. Keyboard

Press the **Enter** key.

B. Mouse

Click on the  icon and continue with **step 4**.

When the window opens, no time is set, or a configurable value is set (e.g. UTC +1 hour), or the last confirmed reading. The hour dial is automatically displayed to select a specific hour.

Note

To close the window without accepting changes:

A. Keyboard

*Press the **Esc** key.*

B. Mouse

Click outside the window.

3. A. Keyboard

Use the **Tab** key or **Shift+Tab** keys to move the action to the dial.

Use the arrow keys ↓ / ↑ to select the desired value.

B. Mouse

To select the desired value: either click on the respective value or drag and drop to move the highlight to the desired value (see the following figure - sample).

The
contains
following



window
the
controls:

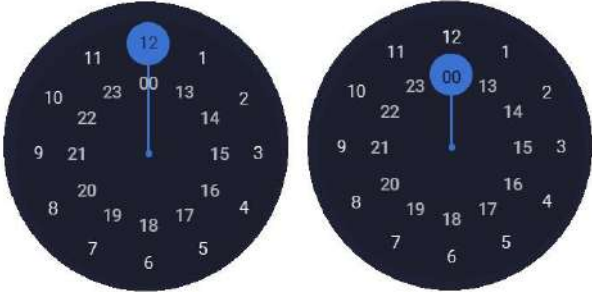
Currently selected time in **HH:MM** format, where:

- **HH** is the selected hour;
- **MM** is the selected minute;

Note

Click on *hh* or *mm* to display the appropriate dial for selecting the hour or minute.

The **HOUR** dial - to select a specific hour.



The **MINUTE** dial - to select a specific minute.



The icon to display the hour dial to select a specific hour.



The icon to display the minute dial to select a specific minute.

4. To confirm the selected time:

A. **Keyboard**

Use the **Tab** key or **Shift+Tab** keys to move the action in the form to the **"OK"** button and press the **Enter** key.

B. **Mouse**

Click on the **OK** button.

The window closes and the confirmed data is displayed in the appropriate field of the form.

5. To close the window without confirming the selected time:

A. Keyboard

Use the **Tab** key or **Shift+Tab** keys to move the action in the form to the **"CANCEL"** button and press the **Enter** key.

B. Mouse

Click on the **CANCEL** button.

3.7.2. FPL List

Activation options:

- To open/close the **FPL list** window (see the following figure) to display a list of FPLs, **click on the FPL list** item in the **Planning** submenu in the main menu of the PANSА application.

Note

For description of the main menu see 3.2 (page 22).

FPL list window enables to display a list of all FPLs valid for a current day or according to the set filter.



ARCID	FR	ATYP	ADEP	EOBT ↑	CTOT	ADBS	ETA	REG
SPWTR	V	S22T	EPBC	250216 17:00		EPPT	250216 17:16	
LHA4384	I	B744	LHBP	250216 17:00		ZHCC	02:58	B7401
SAS58M	I	A20N	LML	250216 18:05		ESSA	250216 20:54	SEROR
SPINAL	V	ULAC	EPNL	250216 18:11		EPKK	250216 19:11	
PGT1576	I	A20N	LTAI	250216 18:40		UJWW	250216 22:51	TCNBL
WZ2406	I	A21N	EPKK	250216 19:00		LIMC	250216 20:38	9HWW
LOT6MB	I	E753	EPWA	250216 19:15		EHAM	250216 21:09	SPLIL
SPKWI	V	DV20	EPMD	250216 19:30		EPMD	250216 20:02	
SPKWH	V	DV20	EPMD	250216 19:45		EPMD	250216 20:42	
LOTSAY	I	E199	EPWA	250216 20:00		EPPO	250216 20:44	SPLMG
ETH715	I	B788	ESSA	250216 20:20		HAAB	02:57	ETASH
NMA600	I	A320	HEGN	250216 20:20		UJWW	02:03	SUNMR
CA03140	I	B77L	LHBP	250216 20:25		ZGSZ	07:30	B2096
CES5614	I	A332	LIMC	250216 20:30		ZLXY	06:57	B8231
SPDZ	I	E80P	EPPO	250216 20:30		EPKK	250216 21:31	SPDZ
RYK7994	I	B738	EPKK	250216 20:35		EVRA	250216 21:44	SPRSE
ETH714	I	B77L	HAAB	250216 20:40		ESSA	04:17	ETANN
OSH872	I	B789	LFML	250216 20:45		ZSPD	07:53	B1113
CKX201	I	B77L	ZSPD	250216 20:50		LHBP	08:02	B2222
TKJ3BC	I	B738	LTAC	250216 20:50		UJWW	01:01	TCJFF

Total: 1880 Active: 958

Figure 3.22. Sample of the FPL list

Legend:

1. Click on the  button to close the window.
2. **Display Setting Bar**, see 3.10.8 (page 277)

3. **FPL List** (description in this chapter)
4. **Information Bar** of the FPL list, see **3.7.2.2 (page 121)**

List display settings

For a description of the features for list display setting, see **3.10 (page 265)**.



Note

The predefined sorting of rows in the FPL list is descending according to EOBt.

The contents of the FPL list

The FPL list is displayed in the form of a table. One row of the table refers to one FPL.

By default, only FPLs from the last five days are displayed.



Note

*To display older FPLs, set the **Hide old flights where UTC >= ETA + criterion** in the specific filter of flight plans, see **3.7.2.3 (page 122)**.*

*To display the filter **click on the "FILTER"** button in the bar above this list.*

*For the meaning of the background color in the FPL list row, see **3.7.2.1 (page 120)**.*

The list may contain the following FPL data:

Column name	Description
ADEP	Departure Aerodrome (ICAO)
ADDS	Destination Aerodrome (ICAO)
ARCID	Aircraft Identification
ATYP	Aircraft type

Column name	Description
CTOT	Calculated Take Off Time Note <i>The item is enabled only for flight regulation through NMOC, i.e. if SAM or SRM message is received for the concerned FPL</i>
EOBT	Estimated Off Block Time, estimated time of departure
ETA	Estimated Time Arrival
FR	Flight rules: I=IFR, V=VFR, Y=IFR/VFR, Z=VFR/IFR
REG	Registration mark of aircraft

3.7.2.1. Colours in the List



Note

The colors used in the application depend on its current configuration and may differ from those listed below.

Background colour of the row:



Selected FPL

To select FPL, **click on the respective row in the FPL list.**

A preview window of the selected FPL is displayed, see **3.7.2.4 (page 127)** .

Green Indicates:

- **Acknowledged** status (ACK) of FPL or
- FPL-related message (except of acknowledged CNL message)

Yellow Indicates received ATFM message for FPL

Red Indicates:

- **Rejected** status (REJ) of FPL or
- FPL-related message, and/or

- Acknowledged CNL message

Note

If an acknowledged CNL message is received for current FPL, the FPL is moved to archive FPL.

*You can display this FPL by setting the **Hide old flights where UTC >= ETA + criterion** in the specific filter of flight plans, see 3.7.2.3 (page 122).*

Grey Indicates:

- **Waiting for approval** status of FPL or
- FPL-related message

3.7.2.2. Information Bar of the FPL List

Total: 1000 Active: 648

Figure 3.23. The Information Bar of the FPL list.

The Information bar contains the following indicators:

Active The count of **active** FPLs of ongoing flights in the FPL list

Total The current total count of all FPLs in the FPL list.

**Note**

For description of the FPL list see 3.7.2 (page 118).

3.7.2.3. Filter Settings window

By clicking on the FILTERS button in the display settings bar of the FPL list, the "Filter Settings" window will appear.

The window allows you to set the specific filter of flight plans in the FPL list according to certain criteria.

**Note**

For description of the display settings bar of the FPL list, see 3.10.8 (page 277) .

Filter Settings

Hide old flights where UTC >= ETA +

☐ ETA Delay

☐ Active flights only

where UTC >= EOBT -

and UTC <= ETA +

ARCID is:

ADEP is:

ADES is:

ADEP or ADES is:

ADEP or ADES is NOT:

EOBD(T) from:

EOBD(T) till:

Hide:

☐ IFR flights

☐ VFR flights

☐ flights in CNL status

☐ flights in ARR status

☐ test flights - FSC

☐ test flights - ARO

☐ test flights - HB

RESET

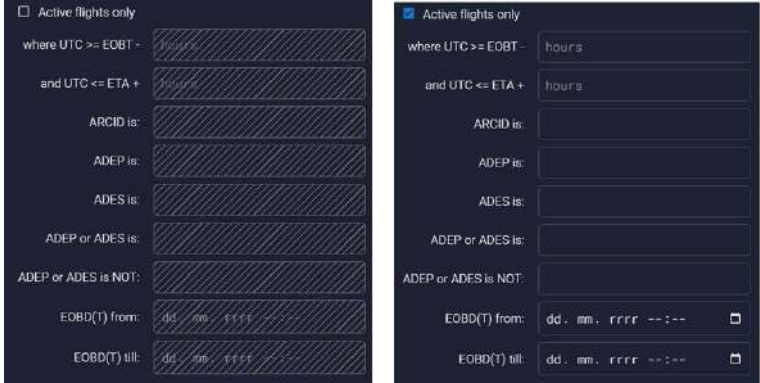
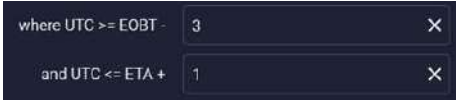
CANCEL

SAVE

Figure 3.24. Filter Setting window

Filtering criterion	Description
Hide old flights where UTC >= ETA +	In the item "Hide old flights" the flight history is defined. All flights with estimated time of arrival less than indicated in the field "hours" will display (maximum is 120 hours (5 days)).

Filtering criterion	Description
	Example: If number 10 is entered, all flights with ETA less than 10 hours against current UTC will display.

Active flights only	If the box "Active flights only" is ticked off, only active flights will display. The criteria for the flight to be active is determined in the setting of further lines (see the following figure). Their description is given below in this table. 
where UTC >= EOBT- and UTC <= ETA+	A pair of text fields for entering time [in hours] that specify active flights. These are the flights, that are at least X hours before estimated departure (EOBT) and maximum Y hours after estimated arrival (ETA). Example:  The FPL list will display only those flights, that are at least 3 hours before estimated departure and maximum 1 hour after estimated arrival.
ARCID is	Text field for entering the ARCID. The FPL list will show all flights to the corresponding ARCID.
* ADEP is	A text field for entering the ICAO departure aerodrome designator (ADEP) that specifies the active flight. The string can contain 2 to 4 characters. The FPL list will display all flights whose ICAO ADEP designation begins with a 2-character string or has a 4-character string entered.
Filtering criterion	Description

	Examples: • If ADEP = LZIB, all FPLs whose ADEP is LZIB will be displayed in the FPL list. • If ADEP = LZ, all FPLs whose ADEP is LZXX will be displayed in the FPL list.
* ADES is	A text field for entering the ICAO destination aerodrome designator (ADEP), that specifies the active flight. The string can contain 2 to 4 characters. The FPL list will display all flights whose ICAO ADES designation begins with a 2-character string or has a 4-character string entered. Examples: • If ADES = LZIB, all FPLs whose ADES is LZIB will be displayed in the FPL list. • If ADES = LZ, all FPLs whose ADES is LZXX will be displayed in the FPL list.
* ADEP or ADES is	A text field for entering the ICAO destination aerodrome designator (ADEP) or the ICAO departure aerodrome designator (ADEP), that specifies the active flight. The string can contain 2 to 4 characters. The FPL list will display all flights whose ICAO designator ADEP or ADES begins with a 2-character string or has a 4-character string entered. Example: If ADEP or ADES = LZIB, all FPLs whose ADEP or ADES is LZIB will be displayed in the FPL list.
* ADEP or ADES is NOT	A text field for entering the ICAO destination aerodrome designator (ADEP) or the ICAO departure aerodrome designator (ADEP), that specifies the active flight. The string can contain 2 to 4 characters. The FPL list will display all flights whose ICAO designator ADEP or ADES does not begin with the specified 2-character string or does not have the specified 4-character string. Example: If ADEP or ADES is NOT = LZIB, all FPLs whose ADEP or ADES is not LZIB will be displayed in the FPL list.

Filtering criterion	Description
EOBD (T) from/till:	A pair of text fields to define the time interval for EOBD (T) that specifies active flights. All FPLs whose EOBD (T) fits the set time interval will be displayed in the FPL list. Enter the data either by using the keyboard or by selecting a date and a time in the calendar window. Click on the icon  to open the calendar window. Examples: • If EOBD (T) till = 28.07.2008 14:30, this means that all FPL, where EOBD (T) <= 28.7.2008 14:30 will be displayed in the FPL List. • If EOBD (T) from = 20.07.2008 15:00, this means that all FPL, where EOBT >= 20.7.2008 15:00 will be displayed in the FPL List.
IFR flights	Filters IFR flights
VFR flights	Filters VFR flights
flights in CNL status	Filters cancelled flights, i.e. flights after receiving CNL message
flights in ARR status	Filters arrived flights, i.e. flights after receiving ARR message
test flights - FSC	Filters test plans send to IFPUV to FSC users
test flights - ARO	Filters test plans send to IFPUV to ARO users.
test flights - HB	Filters test plans send to IFPUV to pilot Homebriefing users
Show deleted FPL from/till:	A pair of text fields to define a time interval, for displaying deleted flight plans. All FPLs deleted in the respective time interval will appear in the FPL list. Enter the data either by using the keyboard or by selecting a date and a time in the calendar window. Click on the icon  to open the calendar window.

The Filter Settings window contains the following buttons:

Button	Description
RESET	Button to reset filter
CANCEL	Button to close the "Filter Settings" window without accepting the changes
SAVE	Button to saving and applying the filter settings Only those FPLs that match the saved filter settings will be displayed in the FPL list. In the FPL list display settings bar, the enabled filter criteria indicators will be displayed (description under the table). Note <i>If no FPL data is available according to the applied filter criteria, the FPL list will display the indication "Nothing Found".</i>

Indication of enabled filter criteria

For the enabled criteria of the currently saved filter, the respective indicators will be displayed in the bar for setting the display of the FPL list (see the following figure).



Note

For description of the display settings bar of the FPL list, see 3.10.8 (page 277).



Figure 3.25. Example of indication of enabled filter criteria

Disable filter criteria

To disable a criterion in the filter, **click on the close button**  /  of its indicator, **or uncheck it in the "Filter Settings" window.**

3.7.2.4. FPL window

To display the FPL window, **click on the row of the desired FPL** in the FPL list, see 3.7.2 (page 118).

The FPL window in the basic view is open (see the following figure).

This window presents detailed information about the FPL and allows you to work with it.

**Important**

Individual functions for working with FPL are displayed in the window based on the current FPL status and user group of the logged-in user.

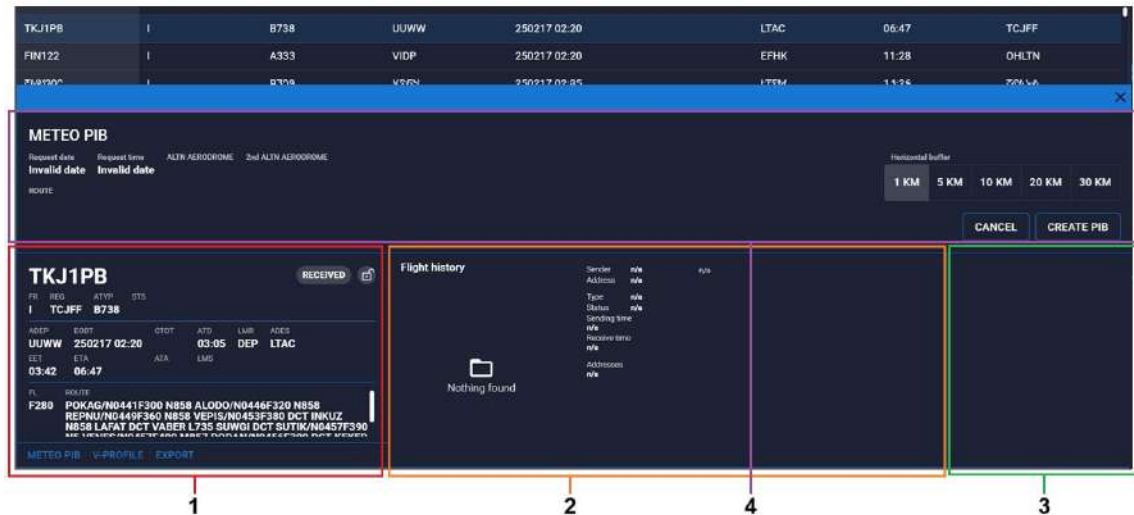


Figure 3.26. Displaying the FPL window - expanded view

Legend:

Section	Description
Section (1) FPL data	The section contains data of the selected FPL and allows you to work with FPL. For Section (1) description, see the section called “Section (1) - FPL data” (page 128) .
Section (2) Flight History	Section contains a list of messages for the selected FPL and allows you to work with messages. For Section (2) description, see the section called “Section (2) - Flight History” (page 132) .
Section (3)	Section contains the flight route from the selected FPL displayed on the map.
Section	Description
Flight route	For Section (3) description, see the section called “Section (3) - Flight route” (page 141) .

Section (4) Alternate	The FPL window will be expanded to include Section (4) by clicking the respective button in Section (1)/(2). The content of Section (4) depends on the function of the respective button that activated its display. • METEO PIB - for description, see the section called “Section (4) - METEO PIB” (page 142) • Form with selected FPL for VIEW action - for description, see 3.7.1 (page 69) Section (4) is closed by the respective function in Section (4) or its content is replaced by clicking on another button in Section (1)/(2).
-------------------------------------	--

**Note**

Sections (1), (2) and (3) are permanently displayed in the FPL window.

Section (4) is displayed in the window only after clicking the corresponding button in section (1)/(2).

Close FPL window

To close the FPL window, **click on the close button**  of this window.

Section (1) - FPL data

The FPL window contains a Section (1) that displays the current FPL data from the selected FPL and allows you to work with FPL.

See following figure.

**Note**

For FPL data description see 3.7.2 (page 118).

Some FPL data is not color highlighted in Section (1) as described in 3.7.2.1 (page 120).

For a description of the FPL window, see 3.7.2.4 (page 127).

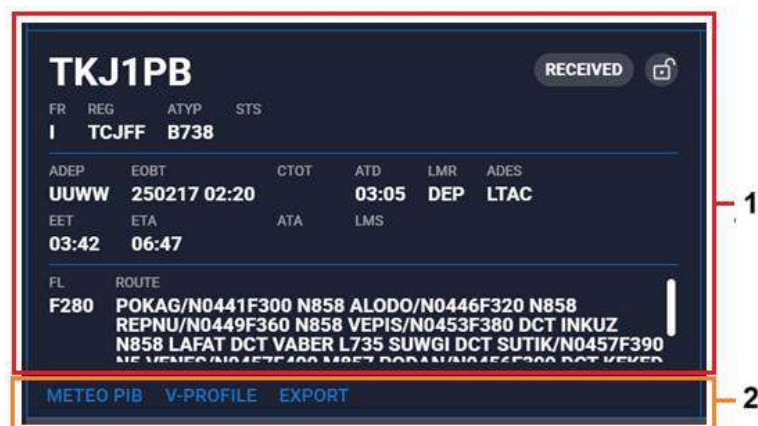


Figure 3.27. Section (1) - FPL data

Legend:

1. Data from selected FPL
2. Buttons for working with FPL



Note

For FPL data description see 3.7.2 (page 118).

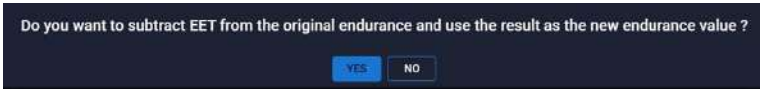
The color highlighting described in 3.7.2.1 (page 120) does not apply to FPL data in Section (1).

The buttons displayed in the Section (1) depend on the current FPL status, FPL lock, and user group of the logged-in user.

Buttons for working with FPL:

Button	Description
EXPORT	Button to export a flight route of a selected FPL in a *.gpx or *.kml file format. Clicking on the EXPORT button to display Select file type window for export settings.  1. Click the *.gpx or *.kml radio button to select the file format to which you want to export the flight route.

Button	Description
	2. Enter the name of the export file in the File name text box. The text box contains an automatically generated name. 3. Possible actions: A. To export the flight route, click the EXPORT button. The export is performed and the created file is automatically saved in the "Downloads" directory on the HDD PC. B. To cancel the export, click on the  button to close the window.
METEO PIB	Note <i>The item is enabled for current FPL (for the current day).</i> Generation of PIB weather message relating to a selected FPL in PDF file format. Clicking on the METEO PIB button to displays the Section (4) - METEO PIB, see the section called "Section (4) - METEO PIB" (page 142).
NEW FPL	Button to submit new FPL from currently selected FPL. Clicking on the NEW FPL button to display the FPL form window. The form is pre-filled with data from the currently selected FPL and you can edit it.. Note <i>For FPL form description see 3.7.1 (page 69).</i>
	Button to generate a PIB message in *.pdf file format for the currently selected FPL. Clicking on the "PIB" button to the PIB window is display. Note <i>For a description of the PIB window see 3.8.4 (page 216).</i>

REVERSE ROUTE	Button to open a dialog window to set Endurance value for a return flight (flight back).
Button	Description
	 Possible actions: A. Choose YES to set a value that equals to the difference between the initial value of Endurance and EET. B. Choose NO to set the initial value of Endurance. FPL Form window appears indicating FPL-related values for the return flight. Note <i>For a description of the FPL form, see 3.7.1 (page 69).</i>
VIEW	Button to view form of the currently selected FPL. Clicking on the VIEW button to display the FPL form section in the FPL window. This form content data from the respective FPL and is in read-only mode. Note <i>For a description of the FPL form, see 3.7.1 (page 69).</i>
V-PROFILE	Button to display the vertical flight route profile of currently selected FPL. Clicking on the V-PROFILE button to display the vertical profile of the respective flight route in the map window. Note <i>For a description of the vertical flight route profile of FPL see 3.7.4.5 (page 169).</i>

Section (2) - Flight History

The FPL window contains a Section (2) (see the following figure) that displays the message list of the selected FPL and allows you to work with them.

**Note**

For a description of the FPL window, see 3.7.2.4 (page 127).

Figure 3.28. Section (2) - Flight History**Legend:**

1. Message List of the selected FPL
2. The contents of the selected message
3. Buttons to modification of submitted Flight plan

Message List of the selected FPL

The List of messages contains received and sent messages for the respective FPL. The messages are ordered in descending order from the latest message to the oldest.

	FPL VFR Send	241120 14:37:50	
	DEP New	241120 14:38:22	

Figure 3.29. Message List

The List of messages is displayed in the form of a table. One line refers to one message.

The row may contain the following indicator/data:

 / 	Indication of whether the message has been read:  Unread  Read
	A type message and FPL status after sending message.
241120 14:38:22	Date and time (UTC) of sending/receiving message.



Note

The availability of the indication depends on the current application configuration.

The list of airports for this indication is defined in the application configuration.

Indication of message delivery to the relevant aerodrome:

-  **Awaiting delivery** of the message to the departure aerodrome (ADEP).
-  **Awaiting delivery** of the message to the destination aerodrome (ADES).
-  **Message delivered** to the departure aerodrome (ADEP).
-  **Message delivered** to the destination aerodrome (ADES).

Selecting a message in the message list

To select a message in the message list, **click on the line of the selected message**.

The content of the selected message is displayed (described below).



Note

When the message window is opened, the newest message in the list is automatically selected.

The selected message

By selecting a message in the list, detailed information about the message and controls for working with selected message is displayed in section (2) (see the following image).

Flight history

	FPL Received	241118 11:50:24	
	CHG Nex VFR	241118 11:52:18	

Sender: AFTN

Address: EUCHZNTA

Type: FPL

Status: Received

Sending time: 10:50:00

Receive time: 10:50:24

ADEP: Awaiting

Addresses: EHAMHDSX

(FPL-TSTBAR4-VG
-BE77/L-S/C
-EHTX1445
-NB110A015 DCT
-EHAM0130
-DCF/241118 RMK/PHONE +421 018 469 363
-E/0400 P/001
A/WHITE
C/TEST PILOT 13)

MARK AS READ

Send to email

SEND

Figure 3.30. The selected message

Selected messages include:

Control element	Description
Sender AFTN Address EUCZNTA Type FPL Status Received Sending time 10:50:00 Receive time 10:50:24 ADEP Awaiting Addresses EHAMHBSX	A non-editable field that presents basic information about the selected message.
<pre>(FPL-TSTBAR4-VG -BE77/L-S/C -EHTX1445 -N0110A015 DCT -EHAM0130 -DOF/241118 RMK/PHI -E/0400 P/001 A/WHITE C/TEST PILOT 13)</pre>	A non-editable field that presents the content of the selected message in text form.
MARK AS READ	Confirm reading the message by clicking on MARK AS READ button. In the message list, the respective message is marked as read - .
Send to email	Text field for entering the email address to which you want to send the selected message (" SEND " - see below).
SEND	Click on the SEND button to send the selected message to the e-mail address entered in the " Send to email " text field (see above).

Buttons to modification of submitted FPL



Note

Which buttons appear in the Section (2) depends on the current FPL status and user group of the logged-in user.

The format of messages to FPL is given by regulation L4444.

The form fields of message are automatically checked for correctness.

For the description of using the keyboard and mouse to activate the control elements, see 3.7.1.5 (page 102).



Note

After sending the message, the application informs about the result of the check:

A. The message form IS filled out correctly.

The message **is sent**, and the user is notified thereof.

B. The message form IS NOT filled out correctly.

The message **is not sent**.

An error message will be displayed and the **Validation result (N)** contain information about the incorrect completion of the message (see the following image - example).

N represents the number of messages in the result.

To expand or collapse the list of results, click on its title.



Correct/complete the data in the message and **click the "SEND MESSAGE" button again.**



Important

An incorrectly or incompletely filled out message cannot be sent.

It is not possible to send message without entering AFTN addresses.

Mandatory fields are marked with a * (star).

AFTN address must have 8 characters. If you enter more than one AFTN address in the field using the keyboard, use a space as a separator.

Button	Description
--------	-------------

ARR	Button to create and send an ARR (ARRIVAL) message. The ARR message is sent when requesting to define the actual time of arrival (ATA) and aerodrome of arrival, if differs from the planned aerodrome. Clicking on the "ARR" button to display Section (4) with ARR message of the relevant FPL.
------------	--

Button	Description
	 Insert actual time of arrival (ATA*) and also aerodrome of arrival. If ZZZZ is entered in the DIV AD field, the Non ICAO Diversion AD field is enabled. Enter/Edit the desired AFTN addresses for sending the message and the message priority. A. To send an ARR message, click the "SEND MESSAGE" button. B. To close Section (4) without accepting the changes made in the ARR message form, click the "CANCEL" button. Note <i>For the description of the controls to inserting/editing AFTN addresses and message priorities, see the table below.</i>

CHG

Button to create and send an CHG (CHANGE) message.

CHG message is sent when a general FPL change is requested.

Clicking on the "CHG" button to display Section (4) with CHG message of the relevant FPL.



It is not possible to change ARCID, ADEP, ADES and EOBD.

To change EOBT it is better to use DLA message.

Button	Description												
	Message format is following: item number/ new item value, the sign "-" is used to separate the items. FPL items numbers: <table border="1"> <tr> <td>8</td><td>Flight rules and type of flight</td></tr> <tr> <td>9</td><td>Number and type of aircraft and wake turbulence category</td></tr> <tr> <td>10</td><td>Equipment</td></tr> <tr> <td>13</td><td>Aerodrome of departure and estimated off-blocks time</td></tr> <tr> <td>15</td><td>Cruising speed, level, route</td></tr> <tr> <td>16</td><td>Destination aerodrome, total estimated elapsed time and alternate aerodromes</td></tr> </table>	8	Flight rules and type of flight	9	Number and type of aircraft and wake turbulence category	10	Equipment	13	Aerodrome of departure and estimated off-blocks time	15	Cruising speed, level, route	16	Destination aerodrome, total estimated elapsed time and alternate aerodromes
8	Flight rules and type of flight												
9	Number and type of aircraft and wake turbulence category												
10	Equipment												
13	Aerodrome of departure and estimated off-blocks time												
15	Cruising speed, level, route												
16	Destination aerodrome, total estimated elapsed time and alternate aerodromes												

	18 Other information Note When sending a CHG message where EOBT is postponed to the following day, please insert a string DOF/YymmDD into the item 18: - YY = the last two figures of the calendar year - MM = the calendar month - DD = the following day
	19 Supplementary information Format for the values is prescribed by the L4444 Regulation. Enter/Edit the desired AFTN addresses for sending the message and the message priority. A. To send an CHG message, click the "SEND MESSAGE" button. B. To close Section (4) without accepting the changes made in the CHG message form, click the "CANCEL" button. Note For the description of the controls to inserting/editing AFTN addresses and message priorities, see the table below.

Button	Description
--------	-------------

CNL	Button to send an CNL (CANCEL) message. CNL message is sent when it is requested to cancel a FPL. Clicking on the "CNL" button to display Section (4) with CNL message of the relevant FPL.  No other parameters are filled. Enter/Edit the desired AFTN addresses for sending the message and the message priority. - To send an CNL message, click the "SEND MESSAGE" button. - To close Section (4) without accepting the changes made in the CNL message form, click the "CANCEL" button. Note <i>For the description of the controls to inserting/editing AFTN addresses and message priorities, see the table below.</i>
DEP	Button to create and send an DEP (DEPARTURE) message. DEP message is sent when it is requested to defined the actual time of departure (ATD). Clicking on the "DEP" button to display Section (4) with DEP message of the relevant FPL.  Insert the actual time of departure (ATD*).

Button	Description
	Enter/Edit the desired AFTN addresses for sending the message and the message priority. A. To send an DEP message, click the "SEND MESSAGE" button. B. To close Section (4) without accepting the changes made in the DEP message form, click the "CANCEL" button. Note <i>For the description of the controls to inserting/editing AFTN addresses and message priorities, see the table below.</i>
DLA	Button to create and send an DLA (DELAY) message. DLA message is sent when it is requested new EOBT (Estimated off-blocks time). Clicking on the "DLA" button to display Section (4) with DLA message of the relevant FPL.  Insert the new EOBT (Estimated off-blocks time). Note <i>By sending a DLA message, the original EOBT can be delayed by maximum of 20 hours.</i> <i>An attempt to send a DLA message with the EOBT value outside this range will be deemed unsuccessful</i> Enter/Edit the desired AFTN addresses for sending the message and the message priority. A. To send an DLA message, click the "SEND MESSAGE" button. B. To close Section (4) without accepting the changes made in the DLA message form, click the "CANCEL" button.

Button	Description
	Note <i>For the description of the controls to inserting/editing AFTN addresses and message priorities, see the table below.</i>

Control elements for inserting/editing AFTN addresses and message priorities:

Control element	Description
ORIGINATOR *	The text field to enter the AFTN address(es) of the message sender. The address is entered automatically according to the logged-in user. You can enter and edit the address using the keyboard.
ADDRESSE(S)*	The text field with a drop-down list to enter the AFTN address(es) of the primary recipient(s) of the message sent. After clicking in the field ADDRESS(S)*, or after moving the action to this field with the Tab or Shift+Tab key(s), the text cursor and drop-down list of predefined groups of AFTN addresses will be displayed (see the following figure).  The AFTN group is listed in the drop-down list by its name, followed by the AFTN address or the list of AFTN addresses that make it up in parenthesis. For entering the AFTN address/addresses the following options are available: - Enter the AFTN address/addresses (8 characters) using the keyboard and separate them with a space. - Select the AFTN address group from the drop-down list. The text field will be expanded with AFTN indicators of addresses from the selected group (shown in the following figure). The indicator contains a specific AFTN address and a close button.
Control element	Description

	Addressee(s) ABCDEF GH × IJKLMN OP × AAAABBBB × Add new addressees... To remove the inserted AFTN address from the text field, click on the close button × of its indicator.
PRIORITY	Drop-down list to select the priority of the message. <u>Possible selection values:</u> • SS - High (accidents) • DD - Urgency (very important events) • GG - Normal (important events) • FF - Normal (flight messages) • KK - Low (other messages)

Section (3) - Flight route

The FPL window contains a Section (3) (see the following figure) that displays the flight route of the

selected FPL in the FPL list.  **Note**

For a description of the FPL window, see 3.7.2.4 (page 127).



Figure 3.31. Section (3) - Flight route

 **Note**

If the data of the Section (3) is not available for the selected FPL, the indication "Nothing found" will be displayed in this section or the section is empty (see the following figure).



Section (4) - METEO PIB

To display section (4) - METEO PIB (following image) in the FPL window, **click on the METEO PIB button** in Section (1) - FPL Data.

A form with the parameters of the selected FPL will be displayed, based on which you can generate a METEO PIB message in *.pdf format.



Note

For a description of the FPL window, see 3.7.2.4 (page 127).

*For a description of Section (1), see **the section called "Section (1) - FPL data"** (page 128).*



Figure 3.32. Section (4) - METEO PIB

FPL parameters that are automatically loaded from the selected FPL cannot be edited.

Horizontal Buffer

Click on the radio button with the desired horizontal width value of a flight corridor for which weather information shall be provided.

Possible values:

- 1 KM
- 5 KM
- 10 KM
- 20 KM
- 30 KM

Possible actions:

- A. To generate a METEO PIB message in *.pdf format, click the **CREATE PIB** button.

Note

The METEO PIB message is generated by use of available weather data based on FPL parameters.

The generated *.pdf document will be displayed in a separate window.

This document can be saved and/or printed on a connected printer.

- B. To close Section (4) without accepting the changes made in the message form, click the **CANCEL** button.

3.7.3. Flight Log (List)

**Note**

The function is available just for specified types of users.

Activation options:	To open/close the Flight Log window with a database of flight intentions/ plans (see the following figure), click on the Flight Log item in the Planning submenu in the main menu of the IWB PILOT application. Note <i>For description of the main menu see 3.2 (page 22).</i>
----------------------------	--

Flight Log window provides a database of flight plans or just flight intentions, and serves for planning of new flights and/or modification of existing flights.

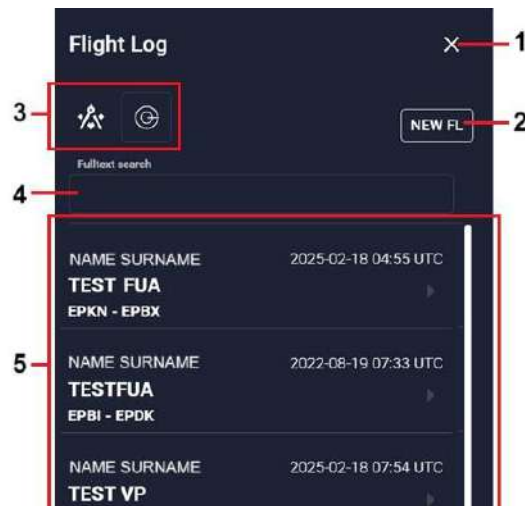


Figure 3.33. Sample of the Flight Log window (List)

Legend:

1. Click on the  button to close the window.
2. **NEW FL**
Click NEW FL to to open "Flight Log" window for a creation of new flight plan/intention.
For description see **3.7.4 (page 146)**.

3. Tools

Icon	Description
	- Not yet documented
	- Click on the icon to show/hide Concentric-Circle-Net representing a flying range (FR) of selected aircraft.
Range Circles	After clicking the icon: - The mouse cursor will switch to the mode of displaying range circles above the map. Range circles will be displayed in the map window according to the default parameters. - The Range Circles window will appear to set the appropriate FR values of selected aircraft.
Icon	Description

Note

For description of Range Circles window, see 3.7.4.6 (page 171).

4. Fulltext Search

Enter the character string in the text field to search for an flight plan/intention in the database.

The search is within the following aircraft parameters:

- **PIC**
- **Name of the flight**
- **ADEP**
- **ADES**
- **Date and time (UTC)** an flight plan/intention creation

By entering a character string, the flight plan/intention list (4) from the DB is dynamically reduced



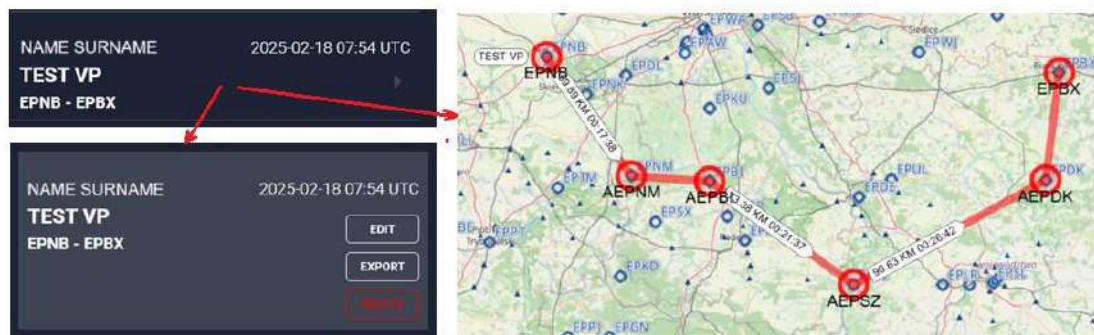
Note

to only those aircraft whose parameter contains the entered string.

For description of the flight plan/intention see 3.7.4 (page 146).

5. **Flight plan/intention list** stored in Aircraft Database.

To select (mark) an flight plan/intention click on the respective row in the flight plan/intention list.



After clicking on the row:

- The selected row contains buttons for working with the corresponding flight plan/intention:

Button	Description
DELETE	Press DELETE to remove the selected flight plan/intention from database.

EDIT	Press EDIT to modification the parameters of the selected flight plan/intention. For description see 3.7.4 (page 146) .
EXPORT	Press EXPORT to save an intended flight route of a selected/marked FPL in a *.gpx file format (for use in a GPS device).

- The flight route planned in the selected flight plan/intention is graphically displayed in the map window.

3.7.4. Flight Log (New/Edit)



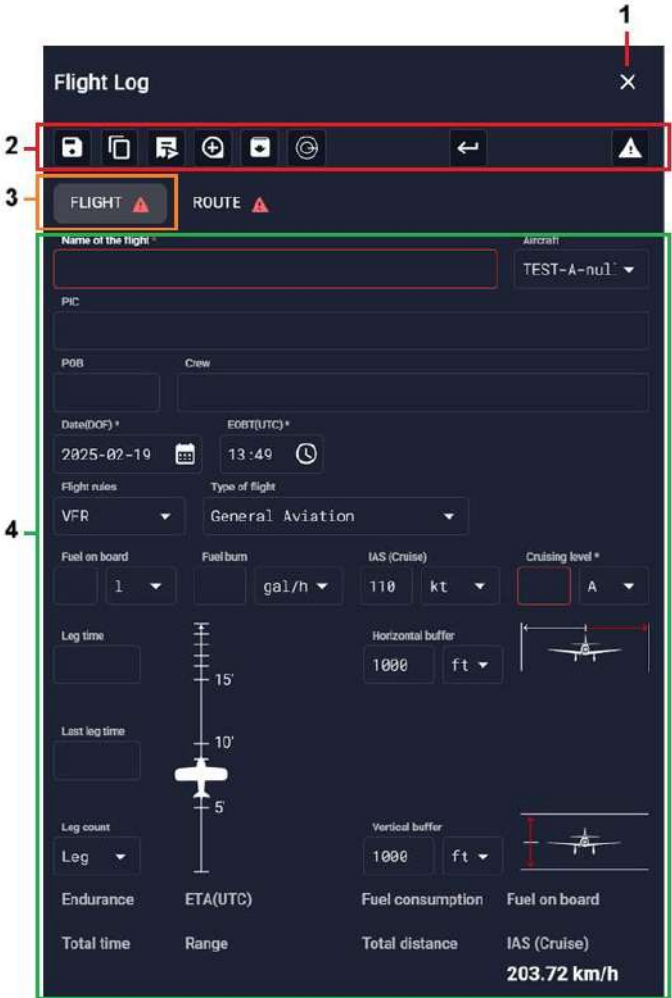
Note

The function is available just for specified types of users.

Activation options:	A. Choose NEW FL button of Flight Log (List) window. B. Choose EDIT button in the row of the selected flight plan/intention in the Flight Log (List) window. C. Choose desired button: • ADES • ADEP • WPT • ALTN1 • ALTN2 in the Feature Info window for the selected airport. Note <i>For a description of the Flight Log (List) window, see 3.7.3 (page 143).</i> <i>For a description of the Feature Info window, see 3.4.1 (page 34).</i>
----------------------------	---

	- The mouse cursor is in flight route creation/editing mode in the map window. The mode is activated by opening the "Flight Log" window (New/Edit), described above. Closing the "Flight Log" (New/Edit) window will return the mouse cursor to default mode.
---	---

Flight Log (New/Edit) window serves for is intended for creating and editing a flight plan/intention.



The screenshot shows the "Flight Log" window with the following elements and callouts:

- 1**: Close button (X) in the top right corner.
- 2**: Toolbar containing icons for saving, copying, pasting, adding, deleting, and undo.
- 3**: Tabs for "FLIGHT" and "ROUTE".
- 4**: Main form area containing:
 - Name of the flight:
 - Aircraft: TEST-A-nu1
 - PIC:
 - POB: Crew:
 - Date(DOF): 2025-02-10
 - EOBT(UTC): 13:49
 - Flight rules: VFR
 - Type of flight: General Aviation
 - Fuel on board: 1
 - Fuel burn: gal/h
 - IAS (Cruise): 110 kt
 - Cruising level: A
 - Leg time:
 - Last leg time:
 - Leg count: Leg
 - Endurance:
 - ETA(UTC):
 - Fuel consumption:
 - Fuel on board: 203.72 km/h
 - Horizontal buffer: 1000 ft
 - Vertical buffer: 1000 ft

Figure 3.34. Sample of the Flight Log (New/Edit) window - FLIGHT

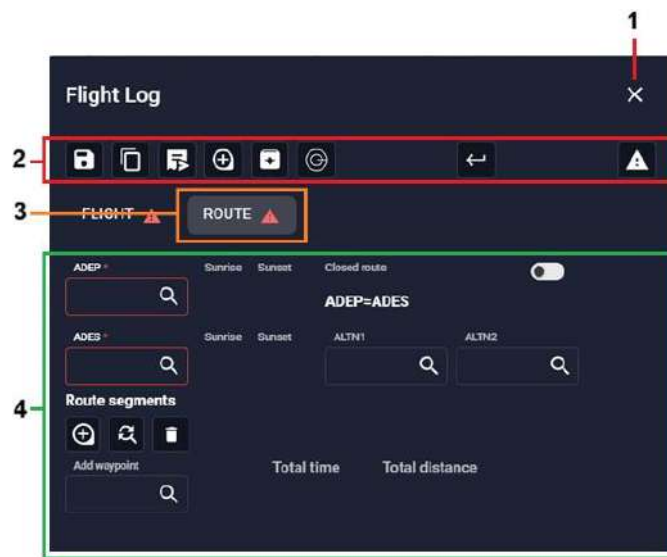


Figure 3.35. Sample of the Flight Log (New/Edit) window - ROUTE

Legend:

1. Click on the  button to close the window.

2. Toolbar

Icon	Description
 Save	- Choose the icon to save the planned flight plan/intention. If you fail to fill-in the FPL form correctly, a save dialog appears notifying about the FPL incorrectness (invalidity). To save your FPL, remove all mistakes/incorrect entries first.
 Save as new	- Note <i>The button will be enabled only for an existing (stored) flight plan/intention modified by use of EDIT button in the "Flight Log" (List) window.</i> <i>For a description of the Flight Log (List) window, see 3.7.3 (page 143).</i> Choose the icon to add the newly created/modified flight plan/intention with a new name. If you fail to fill in the FPL form correctly, a save dialog appears notifying about the FPL incorrectness (invalidity). To save your FPL, remove all mistakes/incorrect entries first.

 Export to FPL form	- Choose the icon to open FPL Form window showing a completed FPL form containing values entered by the user into the Flight Log window. The window will appear only if you fill in the mandatory fields correctly.
Icon	Description Otherwise, the application notifies the user accordingly. Note <i>For a description of the FPL Form window, see 3.7.1 (page 69).</i>
 Export to gps	- Choose the icon to save a flight route of a selected/marked FPL in a *.gpx file format (for use in a GPS device).
 Range Circles	- Choose the icon to display the aircraft's range circles for the aircraft from the relevant flight plan/intention. The "Range Circle" window will appear with the cruising speed pre-filled (fixed).  Note <i>For a description of the Range Circles window, see 3.7.4.6 (page 171).</i>
 Return to list	- Click the icon to return to the list of flight plans/intentions in the Flight Log (List) window. Note <i>For a description of the Flight Log (List) window, see 3.7.3 (page 143).</i>

 Show/ Hide Flight preview	- Choose the icon: To show/hide a vertical flight profile of the flight route in the map window. The  icon (described below in this table) is activated.
Icon	Description
	Note <i>For vertical profile description refer to 3.7.4.5 (page 169).</i> To show/hide the additional tools in toolbar of Flight Log (New/Edit) window (description in the following table). 

	- Indicator states:  Is no discrepancy between the specification and the rules.  If there is one or more discrepancies.
---	--

Note

Correct discrepancies in flight parameters.

Indicator status updates after flight route re-computing.



Take-off before sunrise!

LDG later than sunset!

Lack of fuel!

Additional tools



To show/hide the additional tools in toolbar of Flight Log (New/Edit) window **choose the  icon** (description in the table above).



Note

Additional tools are displayed if a flight route is defined.

Icon	Description
 Comm/ NAV	- Note The icon is enabled by use the  icon (see the above listed item). Choose the  icon to show/hide the Comm/Nav window. This window containing a list of frequencies used by airports and NAVAIDs, it also lists frequencies of navigation check points located in the vicinity of the flight route, particularly in the range of FPL buffer zone. 
Icon	Description
 Vertical profile	- Note The icon is enabled by use of  icon (see the above listed item). You can also show/hide the vertical profile using the  icon. Choose the  icon to show/hide the vertical profile of the flight route in the map window.

 Quick report	Note <i>The icon is enabled by use of  icon (see the above listed item).</i> Choose the icon  to quickly generate a shortened pre-flight report from the intended flight plan/intention currently displayed on your screen in PDF format. Quick Pre-flight Report comprises (1) a label with essential flight information and (2) a map view displaying the whole flight route.
--	---

3. **FLIGHT** - choose the toggle button to display the form to setting FLIGHT parameters.

ROUTE - choose the toggle button to display the form to setting ROUTE parameters.

4. Form to setting FLIGHT/ROUTE parameters.

The content of the form depends on the active FLIGHT/ROUTE toggle button.



Note

For a description of FLIGHT parameters form, see 3.7.4.1 (page 153).

For a description of ROUTE parameters form, see 3.7.4.2 (page 158).

3.7.4.1. FLIGHT parameters from

Choose the **FLIGHT** toggle button in the Flight Log (New/Edit) window to display the form to define flight parameters.

For a description of ROUTE parameters form, see 3.7.4 (page 146).



The screenshot shows the 'FLIGHT' parameters form. At the top, there are two toggle buttons: 'FLIGHT' (highlighted with a red box) and 'ROUTE'. Below these, the form includes fields for 'Name of the flight', 'Altitude', 'PIC', 'Crew', 'Date(DOF)', 'Time(UTC)', 'Flight rules', 'Type of flight', 'Fuel on board', 'Fuel burn', 'IAS (Cruise)', 'Climbing level', 'Lag time', 'Horizontal buffer', 'Lag count', 'Vertical buffer', 'Endurance', 'ETA(UTC)', 'Fuel consumption', and 'Fuel on board'. The 'FLIGHT' toggle is currently active, and the form is populated with various values.

**Important**

*Mandatory parameters are marked with a * (star).*

If a mandatory parameter is not entered, or the entered value needs to be edited, the relevant parameter will be highlighted.

*How to edit the form using the keyboard and mouse, see **3.7.1.5 (page 102)**.*

The form contains controls for setting the following flight parameters:

Name of Flight

Enter a name of your flight

**Note**

Entry of the item value is mandatory

Aircraft

Choose an aircraft from Aircraft Database

Crew

Specify a crew of the aircraft for your flight by use of items contained in this section

Item	Description
PIC	- Enter the name of the pilot in command. By default, the name of the currently logged-in user is pre-filled.
Crew	- Enter name(s) of crew member(s).
POB	- Enter the number of persons on board or TBN.

Time

Specify a date and time of flight by use of items contained in this section.

**Note**

Entry of the items value is mandatory

Item	Description
------	-------------

Date (DOF)	- Enter the Date of Flight. By default, the current date is pre-filled.
EOBT (UTC)	- Enter the Estimated Off-Block Time. The minimum possible value is current UTC time + 5 minutes. This parameter can be configured within the application, and depend on their current configuration setting.

**Note**

To set the date and time use a keyboard, or choose and icons.

Flight Rules

Specify flight rules and type of flight by use of items contained in this section.

Item	Description
Flight Rules	- Choose one out of following options:
Item	Description

	• IFR (whole flight under IFR) • VFR (whole flight under VFR) • IFR→VFR (first part of the flight is under IFR, later it is changed into VFR) • VFR→IFR (first part of the flight is under VFR, later it is changed into IFR) Note <i>The Flight Rules parameter for the respective flight plan/intention is adjusted automatically based on the flight rules set for individual segments in the ROUTE parameters form.</i> <i>For a description of ROUTE parameters form, see 3.7.4.2 (page 158).</i> Important <i>If the flight rules in the FLIGHT form are changed to IFR-VFR or VFR-IFR, and at the same time all segments (i.e. the whole flight) in the ROUTE form are filled only with IFR or only VFR flight rules, respectively, after saving such flight plan/intention, the application does not take the mixed flight rules in the FLIGHT form into account, and only accepts the flight rules set in the segments of the ROUTE form. That means, that after re-opening of this saved flight plan/intention, the flight rules in the FLIGHT form are amended in accordance with the flight rules from the segments in the ROUTE form.</i> <i>If the user tries to generate a FPL for such flight plan/intention (i.e. mixed flight rules in the FLIGHT form and no change of flight rules in the segments) by clicking the  button, the FPL is not created, and the user is notified to amend the flight rules in the segments of the ROUTE form.</i>
Type of Flight	- Choose one out of following options: • Scheduled Air Service (S) • Non-scheduled Air Service (N) • General Aviation (G) • Military (M - Military Aviation) • Other (X - other than the preceding categories)

Aircraft performance parameters

Item	Description
Fuel On Board	- Enter an amount of fuel carried by aircraft before flight.
Fuel Burn (cruise)	- Enter a value of average fuel quantity burned per hour for aircraft when cruising.
IAS (cruise)	- Enter a value of Indicated Air Speed. Insert TAS if required.

Item	Description
Cruising Level *	- Note <i>Cruising Level is a mandatory parameter</i> Specify planned cruising level. Choose one of the following characters specifying the cruising level of your aircraft: • A - Altitude in hundreds of feet at QNH pressure, expressed as "A" followed by three numbers (e.g., A085) • F - Flight level, expressed as "F" followed by three numbers (e.g., F055) • VFR - VFR (unspecified cruising level); the flight will be conducted as uncontrolled VFR flight using default 1000ft AGL (i.e. you need not to enter the height value, the flight is re-computed using the default value) • S - Standard metric level in tens of meters at 1013 hPa pressure, expressed as "S" followed by four numbers (e.g. S0150) • M - Altitude in tens of meters at QNH pressure, expressed as "M" followed by four numbers (e.g. M0610)

FPL Buffer Zone (FBZ)

Specify, by use of items contained in this section, the vertical and lateral limits of an airspace (FPL Buffer Zone) within which the height and nature of obstacles shall be taken into consideration when planning a flight.

Item	Description
Horizontal Buffer	- Enter a value of a lateral limit of the FPL buffer zone.
Vertical Buffer	- Enter a value of a vertical limit of the FPL buffer zone.

Plotting

Specify, by use of items contained in this section, a plotting of flight route, i.e. a division of a route segment into N equal parts each of the same length of time.

Item	Description
Leg Time	- Enter a length of time [N minutes] for a division of a route segment into equal parts lasting N minutes each (e.g. the entry of 10 minutes means that the route segment will be split into 10-minutes' sections).
Last Leg Time	- Enter a length of time [M minutes] for a division of the last route segment into M-minutes' sections.
Item	Description

Count	- Choose a manner of computing the length of flight [min]. Available are following options: • Leg - each route segment (from one waypoint to another) is divided to N- and M-minutes' sections respectively by use of Leg Time and Last Leg Time items • Route - the whole flight route (from ADEP to ADES) is divided into Nminutes' sections by use of Leg Time item; a value entered in Last Leg Time item refers only to a final time section prior to end of route

Flight Route UPDATE

When specifying the flight attribute values the flight route re-computation and update of conflict warnings between flight attributes and flight rules are performed automatically.

Updated values of the below listed flight attributes (not editable by the user) are shown in FLIGHT form:

Item	Description
Endurance	- Computed maximum length of time that an aircraft can spend in cruising flight at a given speed, fuel amount and rate of consumption
ETA (UTC)	- Computed estimated time of arrival
Fuel Consumption	- Computed total amount of fuel an aircraft uses to pass the route from ADEP to ADES at a given speed
Fuel on Board	- Calculated amount of fuel needed for a given flight
Total Time	- Computed estimated duration of a flight (from take-off/ ADEP to touch-down/ ADES)
Range	- Computed maximum distance an aircraft can fly between take-off and landing as limited by fuel load (without re-fuelling)
Total Distance	- Computed total length of flight route (from ADEP to ADES)
IAS (Cruise)	- Indicated Air Speed

3.7.4.2. ROUTE parametres from



Important You can define/edit the flight route:

A. Using the keyboard

By editing the ROUTE parameters form, description below.

and / or

B. Using the mouse

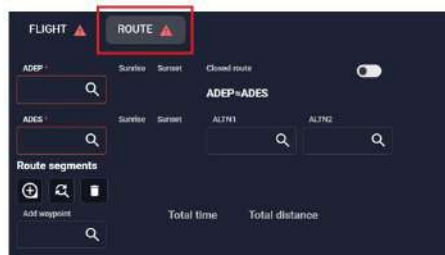
- By specifying ADEP/ADES/WPT points by clicking on the map.
- By adjusting ADEP/ADES/WPT points by moving them to a new position.

Changes made in the ROUTE parameters form are automatically applied to the graphical flight route presentation in the map window and vice versa.

For a description of the graphical flight route presentation, see **3.7.4.4 (page 168)**.

Choose the **ROUTE** toggle button in the Flight Log (New/Edit) window to display the form to define the flight route parameters.

For a description of ROUTE parameters form, see **3.7.4 (page 146)**.



Important

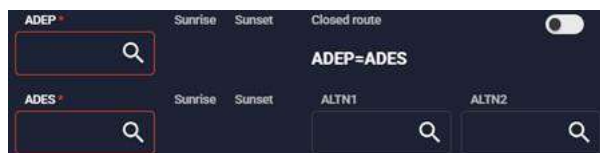
Mandatory parameters are marked with a * (star).

If a mandatory parameter is not entered, or the entered value needs to be edited, the relevant parameter will be highlighted.

How to edit the form using the keyboard and mouse, see **3.7.1.5 (page 102)**.

The ROUTE form contains controls for setting the following flight ROUTE parameters:

ADEP/ADES



The screenshot shows a dark-themed interface with the following elements:

- ADEP *** search field with a magnifying glass icon.
- ADES *** search field with a magnifying glass icon.
- Sunrise** and **Sunset** buttons.
- Closed route** toggle switch (currently off).
- ADEP=ADES** text label.
- ALT1** and **ALT2** search fields with magnifying glass icons.

Section to specify airport of departure, airport of destination and alternate airports.

Parameter	Description
ADEP *	- Search and selection of an Aerodrome of DEParture (ADEP) Note <i>Departure is a mandatory parameter</i>
ADES *	- Search and selection of an Aerodrome of DESTination (ADES) Note <i>Destination is a mandatory parameter</i>
Sunrise Sunset	- Time of sunrise and sunset for both ADES and ADEP. If sunrise/sunset time is available it will be displayed upon the flight recomputation.
Closed Route ADEP = ADES	- If the ADEP is required to be identical to ADES, enable  switch. Then ADES * text box becomes inactive.
SR/SS	- Time of sunrise (SR) and sunset (SS) for both ADES and ADEP; if SS/SR time is available it will be displayed upon the flight re-computation (see text below)
Alternate 1	- Search and selection of 1st alternate aerodrome of arrival (ALT 1)
Alternate 2	- Search and selection of 2nd alternate aerodrome of arrival (ALT 2)



Note

Search

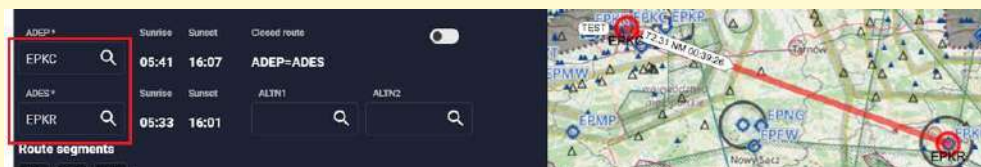
Search interface showing a list of aerodromes. The search bar contains 'EPK'. The results list includes 'EPKO, KORNE', 'AD', 'EPKR, KROSNO', and 'AD'. The interface also displays 'ADEP+', 'Sunrise', 'Sunset', 'Closed route', and 'ADEP=ADES'.

Search for aerodrome will be initiated upon an entry of 2 characters; aerodrome is searched in WFS- and SDO- databases, followed by a search in a database of important places.

Finally, objects the names of which contain an entered string of characters are retrieved.

The maximum number of searched objects is 500.

Once a choice of ADES and ADEP is completed a related flight route appears in a map window.



Route Segments

The section is intended for defining waypoints (WPT) and creating/editing flight route segments.



Figure 3.36. Basic View (without route)

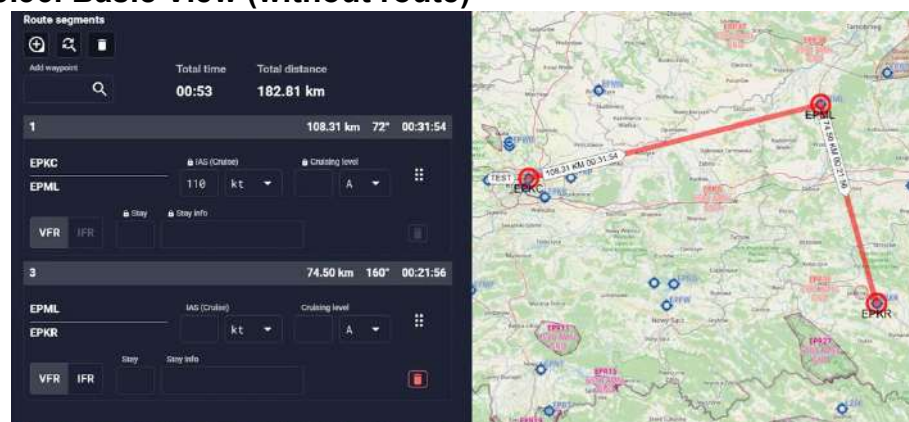


Figure 3.37. Extended view (with created route)

The section may contain:

(1) Toolbar**(2) Basic flight parameters for the route****(3) Flight parameters for individual route segments****(2) Toolbar**

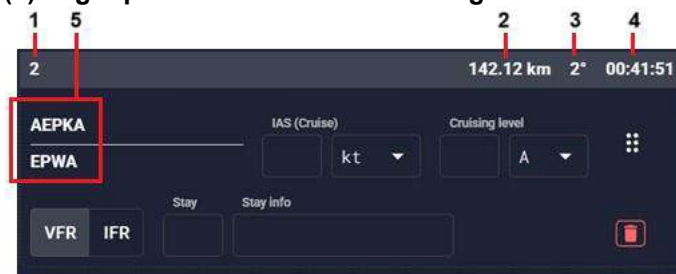
Icon	Description
 Zoom to route	- Choose the icon to zoom IN/OUT and to centre a map view to entire intended flight route.
 Reverse route	- Choose the icon to set a return flight for the same route (in the opposite direction). The order of way points will be updated in ROUTE form of Route Segments section followed by the flight route values re-computing.
 Clear route	- The following changes will be made automatically: • A content of Route Segments section (ROUTE parameters form) will be updated accordingly; • The flight route presentation in the map window will be updated accordingly; • The flight route values will be re-computed and updated in FLIGHT parameters form.

(2) Basic flight parameters for the route

Parameter	Description
Total time	- Total flight time on a defined route. It is recalculated and displayed after entering ADEP with ADES and after each change in flight parameters and flight route.
Parameter	Description

Total distance	- Total length of the flight route in application units. It is recalculated and displayed after inserting ADEP and ADES and after each change in the route points definition.
Add Waypoint	- Search and selection of waypoint (WPT). Important <i>Before inserting the WPT, it first defines the ADEP and ADES of the flight route.</i> Note <i>Search for aerodrome will be initiated upon an entry of 2 characters; aerodrome is searched in WFS- and SDO- databases, followed by a search in a database of important places.</i> <i>Finally, objects the names of which contain an entered string of characters are retrieved.</i> <i>The maximum number of searched objects is 500.</i> <i>After selecting a point, that point is inserted into the graphical representation of the flight route in the map window.</i>

(3) Flight parameters for the route segment



Legend:

1. **.Sequence number** of the respective segment within the flight route.
2. **The length** of the respective flight route segment in application units; the distance of its endpoints.

It will be recalculated and displayed after inserting the creation/editing of the respective flight route segment.
3. **Aircraft heading** on the respective flight route segment

It will be recalculated and displayed after inserting the creation/editing of the respective flight route segment.
4. **Flight time** (duration) on the respective flight route segment

It will be recalculated and displayed after inserting the creation/editing of the respective flight route segment.

5. ICAO designation or geographical coordinates of the starting (top) and ending points (bottom) of the respective flight route segment



Note

Defining/Editing the following flight parameters is not available for the first segment of the flight route.

Values are automatically pre-filled from the FLIGHT parameters form, where they can be amended as needed.

For a description of FLIGHT parameters form, see 3.7.4.1 (page 153).

Parameter	Description
IAS	- IAS for the respective flight segment
Cruising Level	- Cruising Level for the respective flight segment
ETA	- Information on ETA at the final waypoint of the segment
VFR/IFR	- Flight rules for the respective segment
Stay	- The time delay between the two segment reporting points in a HHMM format where HH stands for hours and MM for minutes (e.g. a delay of 30 minutes is inserted as 0030). Note <i>When creating a FPL from the flight intention, this value is automatically inserted into the Item 15 of the FPL.</i> <i>To export, use the  icon in the "Flight Log" window (New/Edit), see 3.7.4 (page 146).</i>

Stay info	- A text box to insert the reason for the delay Note <i>When creating a FPL form the flight intention, this value is automatically inserted into the Item 18 of the FPL.</i> <i>To export, use the  icon in the "Flight Log" window (New/Edit), see 3.7.4 (page 146).</i>
Parameter	Description
 Remove segment	- Click on the icon to delete the respective flight route segment.

**Note**

If IAS and Cruising Level are not filled in, the parameters from the FLIGHT form are used by default.

If these values are filled in, and differ from the overall flight parameters, they are displayed in the segment strip under the names of waypoints, and are highlighted.

3.7.4.3. Creating a flight route

**Note**

For a description of Flight Log (New/Edit) window, see 3.7.3 (page 143).

For a description of ROUTE parameters form, see 3.7.4.2 (page 158).

A) By Retrieval from WayPoint Database

1. ADEP* / ADES* / Add waypoint

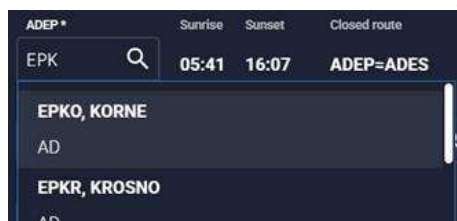
Text fields in the ROUTE parameters form

Enter at least 2 characters of the desired airport designation (e.g. ICAO, name) in the text field.

A search in WFS- and SDO- database and in a database of important places will be initiated.

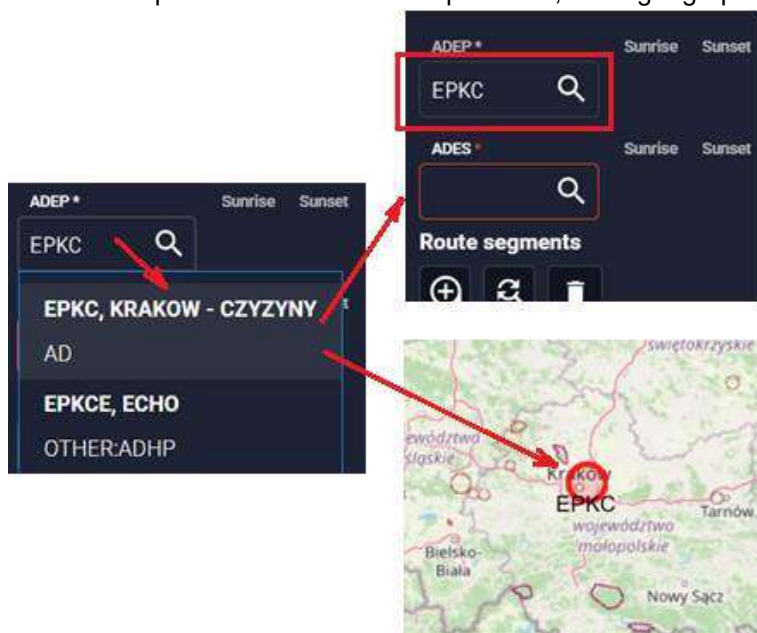
2. Finally, objects list the names of which contain an entered string of characters are displayed.

The maximum number of searched objects is 500.



3. Click on the desired object to select it in the list.
The designation of the selected object is inserted into the respective (ADEP* / ADES* / Add waypoint) text box and the Route segments section in the ROUTE parameters form is updated.

A route point is created in the map window, in the geographical coordinates of the object.



Note

Airports/Heliports are listed with the prefix A- in the list of searched waypoints, e.g. EPKK is displayed as AEPKK.

B) By selecting on the map



Note

This option is available after opening the Flight Log (New/Edit) window and until the window is closed.

Make sure that the display of the desired feature layers is enabled in the Map Settings window.

For a description of the Map Settings window and of the layers, see 3.9.1 (page 245).

Available options:

A. Click on the map to the desired position.

The "Waypoint" window will appear (described below).

B. Press the left mouse button on the flight route line.

Using the "drag and drop" method, move the grabbed point to the desired position

The track line changes dynamically as you move the cursor.

Release the mouse button at the selected position.

The "Waypoint" window will appear (described below).

C. In the Feature Info window of the selected airport, click the ADEP / ADES / WPT button

This will select the airport function on the flight route.

A new waypoint is marked at the airport position and the Route segments section in the Flight Log (New/Edit) window is updated.

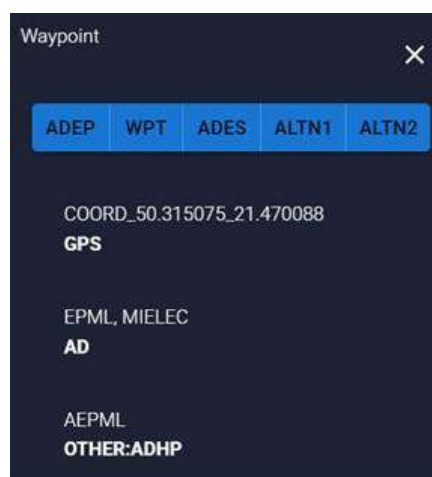
Note

For a description of Feature Info window, see 3.4.1 (page 34).

For a description of Flight Log (New/Edit) window, see 3.7.3 (page 143).

Waypoint window

Besides this, the window contains a list of surrounding points found in SDO database.



Then, assign a role to the new point that it will represent within your flight route.

Following options are available:

Button	Representation
ADEP	- Aerodrome of departure
WPT	- Waypoint along the flight route (between ADEP and ADES)
Button	Representation
	Note <i>When selecting an aerodrome as a waypoint, it is displayed in the Select Waypoint window with the prefix A-, e.g. EPKK is displayed as AEPKK.</i>
ADES	- Aerodrome of destination
ALT1	- Alternate aerodrome 1
ALT2	- Alternate aerodrome 2

Select/mark the point of your choice in the list by a click on a row showing GPS coordinates or the point's name.

When selecting the point in SDO database, such point is added to the route automatically.

If you choose the point by its GPS coordinates, upon tapping the window (see the picture below) appears for an entry of the point's name as a string of at least three characters, and its adding/saving into user point database through Save-to-Profile section.

The section will be enabled (unlocked) upon an entry of at least three characters identifying the point's name.

Entry of a remark is optional.

In case of any mistake or fault when saving the point in the database you will be notified about the same by a time-limited notice.

When the point is successfully saved (SAVE), the section will be closed and locked until a next change of the point's name.

Add custom waypoint

Point name *

COORD_50.315075_21.470088

CANCEL

CONFIRM

Save to profile

Remark *

SAVE

By pressing CONFIRM the point is added to the route, and Flight Log data are updated.

3.7.4.4. Flight Route Presentation

The flight route consists of segments defined by the end points ADEP, ADES and the desired waypoints (WPT).

It consists of at least one segment ADEP-ADES.



Route segment

Route segment is represented by a line segment having 2 distinct endpoints.

Route labels



Important

The labels are displayed when the map is zoomed in sufficiently.

Two types of labels are displayed for the flight route:

A. For the entire route

It is located next to ADEP.

Contains the name of the flight (flight plan/intention) for which the flight route is displayed.

Important

*Define the name in the "Name of the flight *" text box in the FLIGHT parameter form.*

For a description of FLIGHT parameter form, see 3.7.4.1 (page 153).

The label is displayed only if a name IS defined.

**B. For a route segment**

It is located at the beginning point of each segment of the flight route.

Contains:

- Length of the segment;
- Computed time of flight between the two waypoints.



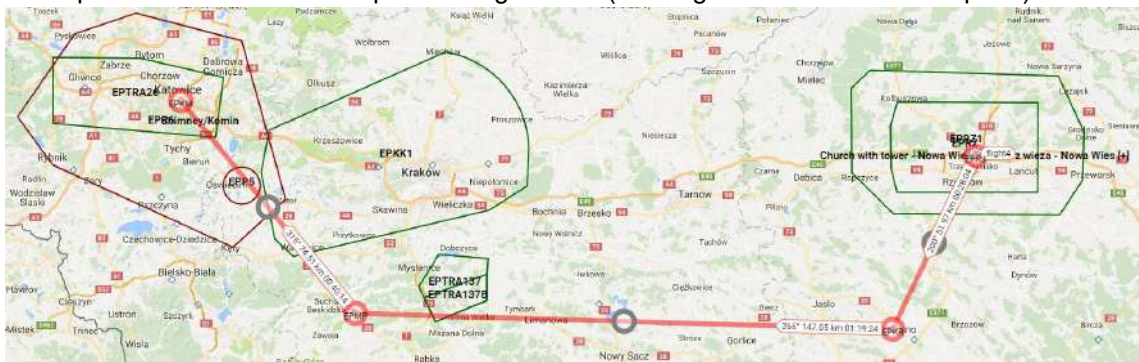
3.7.4.5. Vertical Flight Profile

Activation options:	A. Click the  icon from the toolbar in the "Flight Log" window (New/Edit). B. Click the  icon from the the additional tools in the "Flight Log" window (New/Edit). C. Click on the V-PROFILE button in the FPL window. Note <i>For a description of the Flight Log (New/Edit) window, see 3.7.4 (page 146).</i> <i>For a description of the FPL window, see 3.7.2.4 (page 127).</i>
----------------------------	---

The following is activated:

1. **Indication of airspaces** occurring in a specified FBZ of aircraft flight route shown in a map window (see example below) as follows:

- Airspaces of conformity between the planned flight route and flight rules (green outline of the airspace)
- Airspaces in conflict with the planned flight route (flashing red outline of the airspace)



2. **View of V-Profile** providing following information:

- Flight route (pink line)
- Segment(s) of flight route not complying with the aircraft performance (red line).

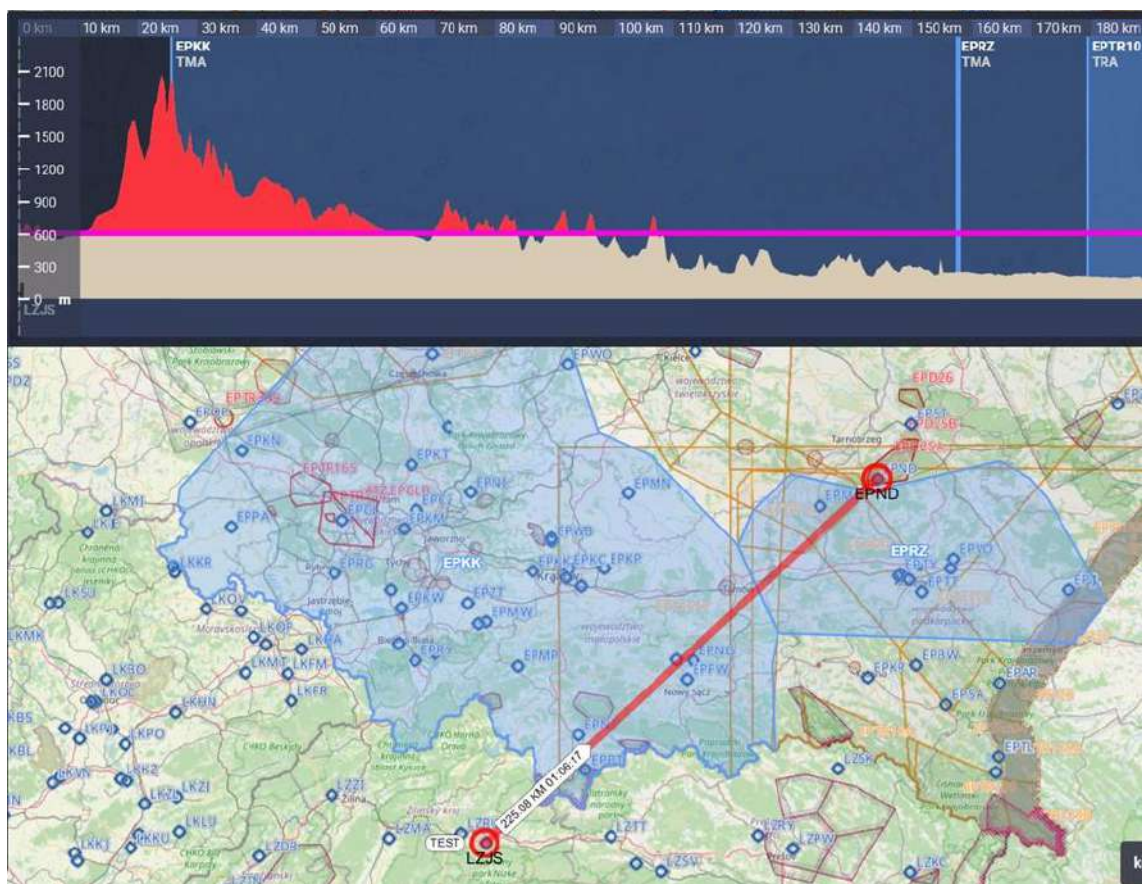
A notification message appears notifying on a necessity to change the non-compliant route segment.

**Note**

This function is not available for V-profile of the flight route activated by use of "V-PRIFILE" button contained in FPL window.

- Conflict Route vs. Terrain (red fill of the terrain peaks)
- Conflict Route vs. (red fill of the conflict airspace)
- No conflict Route vs. (blue fill of the airspace)
- NAVAID positions (indicated by white font)
- Terrain obstacles including their AMSL height [m] indication

To zoom in/out and pan the view in vertical profile, use a standard mouse with a scroll wheel on the middle button.



3.7.4.6. Range Circles Window

Activation options:



- Note

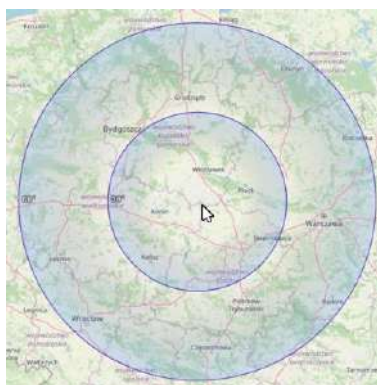
The icon is in the Flight Log window, see 3.7.3 (page 143) a 3.7.4 (page 146).

Click on the  icon to show/hide Concentric-Circle-Net representing a flying range (FR) of selected aircraft.

After clicking the icon:

- The mouse cursor will switch to the mode of displaying range circles above the map.

Range circles will be displayed in the map window according to the default parameters.



- The **Range Circles** window (see the following figure) will appear to set the appropriate FR values of selected aircraft.

Range Circles window enables an entry of a/c parameter values to compute and display the aircraft's flying range by use of a net formed by concentric circles (CC).

CC centre is located in a spot of a current cursor position over a map view.

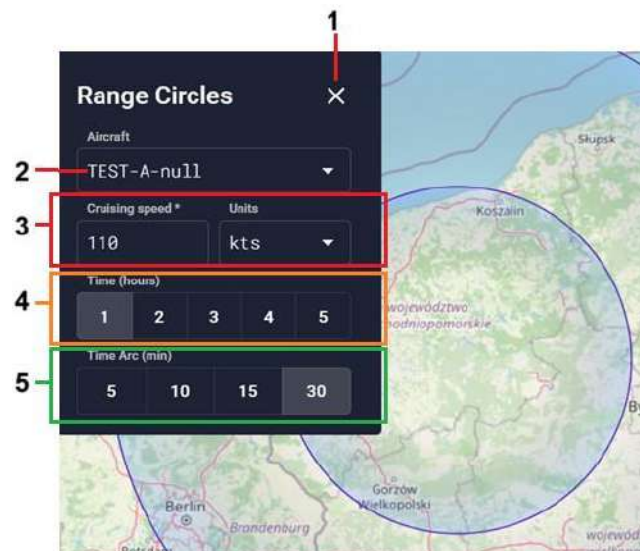


Figure 3.38. Sample of the Range Circles window

Legend:

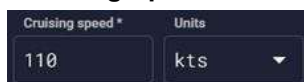
1. Click on the  button to close the window.

2. **Aircraft**



From the drop-down list, select the type of aircraft for which you want to find the range.

3. **Cruising Speed * / Units**




Note

*The "Cruising Speed *" text box is mandatory.*

In the text field **Cruising Speed ***, enter the cruising speed value of the aircraft.

In the drop-down list **Units**, select the units for the entered speed value:

- kts
- mph
- km/h

4. **Time (hours)**

Time (hours)

1

2

3

4

5

Click on the toggle buttons to set FR value in hours.

Available values are: 1 – 2 – 3 – 4 – 5 hrs.

The picture above illustrates FR = 1 hour.

5. Time Arc (min)

Time Arc (min)

5

10

15

30

Click on the toggle buttons to choose a value of time segment [min] specified as any of the parts into which the selected FR value [hr] is divided.

Available values are: 5 – 10 – 15 – 30 min.

The picture illustrates a division of FR into 5-minute segments.



3.7.5. User Points list



Important

*Capacity of the user-defined points database is limited to **200 points as a maximum**.*

*Points from the user-defined points database are displayed in the map layer "Layers / Objects / **User Pionts**".*

To work with these points, make sure the "User Points" layer is turned on.

*For description of the map layers see **3.9.1 (page 245)**.*



Note The point from the user-defined points database is represented on the map by a position symbol and the point name.



Activation options:

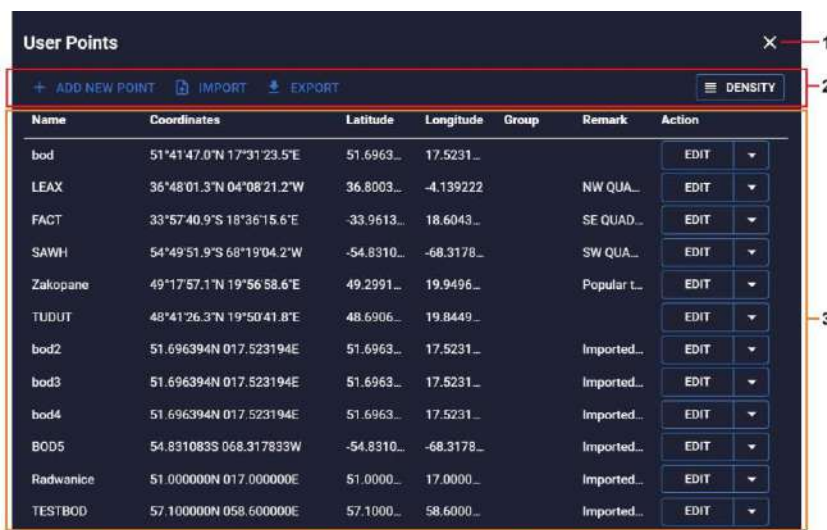
To open/close the **User Points** window with a database of user-defined points (see the following figure), click on the **User Points** item in the **Planning** submenu in the main menu of the IWB PILOT application.

Note

For description of the main menu see 3.2 (page 22).

By opening the User Points window, the map display is automatically centered and zoomed in so that all points from the user points database can be seen on the map.

User Points window enables an entry of new user-defined points and/or editing of existing ones, as well as an import of points to user-defined points database when planning flight route by use of own points stored in the database.



Name	Coordinates	Latitude	Longitude	Group	Remark	Action
bod	51°41'47.0"N 17°31'23.5"E	51.6963...	17.5231...			EDIT
LEAX	36°48'01.3"N 04°08'21.2"W	36.8003...	-4.139222		NW QUA...	EDIT
FACT	33°57'40.9"S 18°36'15.6"E	-33.9513...	18.6043...		SE QUAD...	EDIT
SAWH	54°49'51.9"S 68°19'04.2"W	-54.8310...	-68.3178...		SW QUA...	EDIT
Zakopane	49°17'57.1"N 19°56'58.6"E	49.2991...	19.9496...		Popular t...	EDIT
TUDUT	48°41'26.3"N 19°50'41.8"E	48.6906...	19.8449...			EDIT
bod2	51.696394N 017.523194E	51.6963...	17.5231...		Imported...	EDIT
bod3	51.696394N 017.523194E	51.6963...	17.5231...		Imported...	EDIT
bod4	51.696394N 017.523194E	51.6963...	17.5231...		Imported...	EDIT
BOD5	54.831083S 068.317833W	-54.8310...	-68.3178...		Imported...	EDIT
Radwanice	51.000000N 017.000000E	51.0000...	17.0000...		Imported...	EDIT
TESTBOD	57.100000N 058.600000E	57.1000...	58.6000...		Imported...	EDIT

Figure 3.39. Sample of the User Points window

Legend:

1. Click on the  button to close the window.
2. **Display Setting Bar** of User Points list, see 3.10.8 (page 277)
3. **User Points list** from database (for description see below in this chapter)

User Pints List display settings

For a description of the features for list display setting, see **3.10 (page 265)**.

The contents of the User Points list



Note

When the list is first displayed, its content is empty.

*To add a point, use the **ADD NEW POINT** button in the Display Setting Bar of User Points list (see figure above).*

*For a description of the Display Setting Bar, see **3.10 (page 265)**.*



Important

Capacity of the user-defined points database is limited to 200 points as a maximum.

The User Points list is displayed in the form of a table. One row of the table refers to one points.

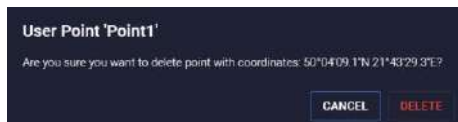
The columns contain the information about the point and the actions that can be performed on the point (the Action column), see the following table.

The set of columns displayed in the list and their order are predefined. You can change this list view setting as needed, see **3.10.5 (page 269)**.

The columns can contain the following data:

Column name	Description
-------------	-------------

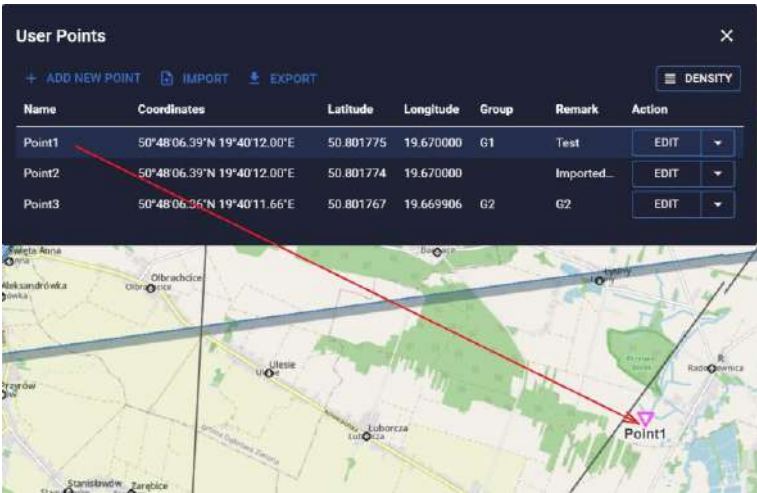
Action	A drop-down context menu of actions that can be performed on the respective point. <u>The description of the individual actions:</u> Edit Displays the User Point dialogue window to modify the definition of the respective point. The image shows a 'User Point' dialog window with a dark background. It contains fields for 'Name' (with 'Point1' entered), 'Group', 'Coordinate' (with '50°04'09.14"N 21°43'29.31"E' entered), 'Supported formats', and 'Remark'. A 'SAVE POINT' button is at the bottom. Edit the desired point data and save its definition with the SAVE POINT button. Note <i>For a description of the User Point window see 3.7.5.1 (page 178).</i> Delete Display the dialog window (see the following figure) to confirm or cancel the intention to delete the respective point from the userdefined points database.
---------------	--

Column name	Description
	The image shows a confirmation dialog titled 'User Point 'Point1''. It asks 'Are you sure you want to delete point with coordinates: 50°04'09.14"N 21°43'29.31"E?'. There are 'CANCEL' and 'DELETE' buttons at the bottom. <u>The window includes the following options:</u> A. To delete a news, click on the DELETE button. The respective point is deleted from the user-defined points database. B. To close the window without deleting the point click on the CANCEL button.

Coordinates	Geographic coordinates of the point
ID	Automatically assigned point identification number.
Group	The name of the point group you assigned the point to when adding point to the DB.
Latitude	Latitude of a point
Longitude	Longitude of a point
Name	Point name
Remark	A remark on the respective point: • The information manually entered into the point definition (Remark text field) when adding/editing it, or • The information about the file from which the point is imported into the DB. It is automatically inserted into the point definition upon import. Note <i>For description of the point definition form see 3.7.5.1 (page 178).</i> <i>To import points, use the IMPORT button in the Display Setting Bar of User Points list (see figure above).</i> <i>For a description of the Display Setting Bar, see 3.10 (page 265).</i>

Centering the map on a point

Click on a row of the desired point in the User Points list to center the map on the position of this point.



3.7.5.1. User Point Window



Important

Points from the user-defined points database are displayed in the map layer "Layers / Objects / **User Points**".

To work with these points, make sure the User Points layer is turned on.

For description of the map layers see **3.9.1 (page 245)**.



Note

The point from the user-defined points database is represented on the map by a position symbol and the point name.



Activation options:	A. To add a new point to the user-defined points database, click on the ADD NEW POINT button in the bar to set the User Points list view. The User Point window will display with an empty form for defining the point (see figure below).
----------------------------	---

- B. To **edit** a point from the user-defined points database, **click on the EDIT** action (column Action - button ) in the row of the selected point in the User Points list.

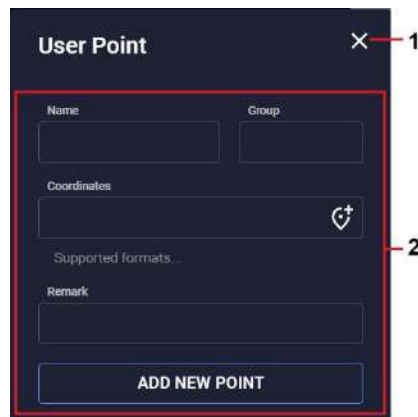
The User Point window will display with a form that contains data from the definition of the relevant point (see figure below).

Note

*For description of the bar to set the User Points list view see **3.10.8 (page 277)**.*

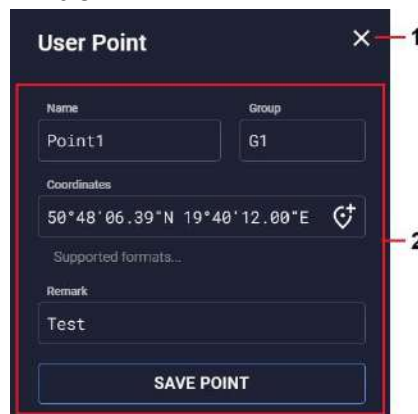
*For description of the User Points list see **3.7.5 (page 174)**.*

User Points Window allows you to define a new point or edit the definition of an existing point in the user-defined points database.



The screenshot shows the 'User Point' window with a dark blue header and a white body. The header has a close button (X) labeled '1'. The body contains several input fields: 'Name' (empty), 'Group' (empty), 'Coordinates' (empty), 'Supported formats...' (empty), and 'Remark' (empty). There is a small icon with a plus sign and a heart in the 'Coordinates' field, labeled '2'. At the bottom, there is a button labeled 'ADD NEW POINT'.

Figure 3.40. User Point window



The screenshot shows the 'User Point' window with a dark blue header and a white body. The header has a close button (X) labeled '1'. The body contains several input fields: 'Name' (filled with 'Point1'), 'Group' (filled with 'G1'), 'Coordinates' (filled with '50°48'06.39"N 19°40'12.00"E'), 'Supported formats...' (empty), and 'Remark' (filled with 'Test'). There is a small icon with a plus sign and a heart in the 'Coordinates' field, labeled '2'. At the bottom, there is a button labeled 'SAVE POINT'.

Figure 3.41. User Point - EDIT User Point window - EDIT

Legend:

1. Click on the  button to close the window without accepting changes..

2. **Point definition form** (for description see below in this chapter)

Point definition form

The form can contain the following control elements:

Control Element	Description														
Name	The text field to enter the name of the point.														
Group	The text field to enter the name of the point group to which the respective point should belong.														
Coordinates	Text field to enter the geographic coordinates of a point's location using the keyboard. Note <i>To enter geographic coordinates by clicking on the map, use the  icon (see description below).</i> Enter the geographic coordinates using the keyboard in one of the supported formats: <table> <tr> <th>Supported Data Format</th><th>Description</th></tr> <tr> <td>ddH dddH</td><td>dd/ - ddd Degrees</td></tr> <tr> <td>ddmmH dddmmH</td><td>mm ss- .dddd - Minutes</td></tr> <tr> <td>ddmmssH dddmmssH</td><td>Seconds</td></tr> <tr> <td>dd.ddddH ddd.ddddH</td><td>.ss - 4 decimal places of decimal degrees value</td></tr> <tr> <td>dd°mm'ss"H ddd°mm'ss"H</td><td>H - 2 decimal places of decimal seconds value</td></tr> <tr> <td>dd°mm'ss.ss"H ddd°mm'ss.ss"H</td><td>Designator of Earth's hemisphere, where: S = South N = North W = West E = East</td></tr> </table>	Supported Data Format	Description	ddH dddH	dd/ - ddd Degrees	ddmmH dddmmH	mm ss- .dddd - Minutes	ddmmssH dddmmssH	Seconds	dd.ddddH ddd.ddddH	.ss - 4 decimal places of decimal degrees value	dd°mm'ss"H ddd°mm'ss"H	H - 2 decimal places of decimal seconds value	dd°mm'ss.ss"H ddd°mm'ss.ss"H	Designator of Earth's hemisphere, where: S = South N = North W = West E = East
Supported Data Format	Description														
ddH dddH	dd/ - ddd Degrees														
ddmmH dddmmH	mm ss- .dddd - Minutes														
ddmmssH dddmmssH	Seconds														
dd.ddddH ddd.ddddH	.ss - 4 decimal places of decimal degrees value														
dd°mm'ss"H ddd°mm'ss"H	H - 2 decimal places of decimal seconds value														
dd°mm'ss.ss"H ddd°mm'ss.ss"H	Designator of Earth's hemisphere, where: S = South N = North W = West E = East														

	Icon for determining the geographical coordinates of a point's location by clicking on the map.
Control Element	Description
	Click on the  icon to enable mouse cursor mode to determine the location of a point by clicking on the map. Then click on the selected point location on the map. The corresponding geographical coordinates will automatically appear in the Coordinates text field (described above). The default mode is activated for the mouse cursor .
Remark	Text field for enter a note to the point. In the case of an imported point, the Remark field displays information about which file it was imported from (e.g. Imported from user-points_G1_2025-01-07.kml). Note <i>For a description of exporting/importing points from/to the user-defined points DB, see 3.7.5.1 (page 178).</i>
ADD NEW POINT	Button to add (save) a new point definition to the user-defined points database and close the User Point window. After clicking the ADD NEW POINT button: • the new point is added to the User Points list and • the new point is displayed on the map in the User Points layer. Note <i>For description of the User Points list see 3.7.5 (page 174).</i> <i>For description of the map layers see 3.9.1 (page 245).</i> A notification will be displayed on the creation of the new point.

SAVE POINT	Button to save the modified (edited) point definition from the user-defined points database and close the User Point window. After clicking the SAVE POINT button: the edited point data is modified in the User Points list and
Control Element	Description if you have changed the geographical coordinates of the point, it will be displayed on the map in the new location. Note <i>For description of the User Points list see 3.7.5 (page 174).</i> <i>For description of the map layers see 3.9.1 (page 245).</i> A notification will be displayed on the creation of the new point.

3.7.6. Aircraft list



Note

The function is available just for specified types of users.

Activation options:	To open/close the Aircraft window with an aircraft list defined in the DB (see the following figure), click on the Aircraft item in the Planning submenu in the main menu of the PANSА (IWB PILOT) application. Note <i>For description of the main menu see 3.2 (page 22).</i>
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Aircraft window provides a database of aircraft, and serves for an entry of values of new aircraft's parameters or editing of existing aircraft's parameters.

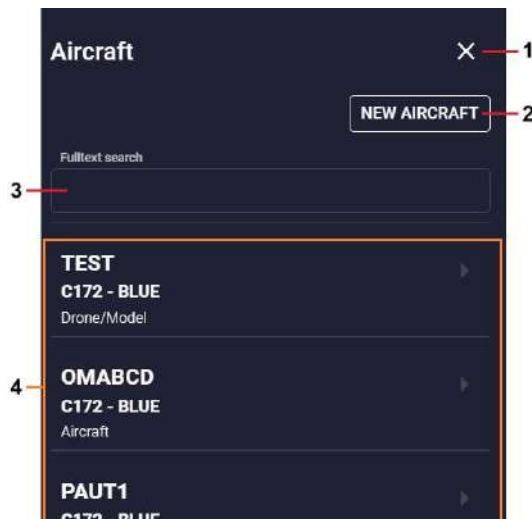


Figure 3.42. Sample of the Aircraft window

Legend:

1. Click on the  button to close the window.

2. NEW AIRCRAFT

Click NEW AIRCRAFT to define the parameters of a new aircraft.

For description see **3.7.6.1 (page 184)**.

3. Fulltext Search

Enter the character string in the text field to search for an aircraft in the aircraft database.

The search is within the following aircraft parameters:

- **Registration**
- **Type (ICAO)**
- **Aircraft colours and markings**

By entering a character string, the aircraft list (4) from the aircraft DB is dynamically reduced to

only those aircraft whose parameter contains the entered string.

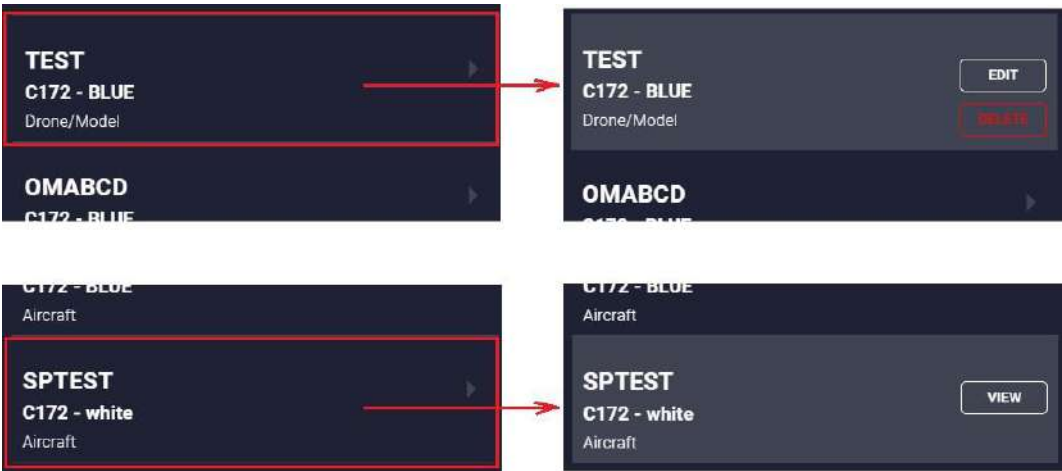


Note

*For description of the aircraft parameters see **3.7.6.1 (page 184)**.*

4. Aircraft list stored in Aircraft Database.

To select (mark) an aircraft click on the respective row in the aircraft list.



The selected row contains buttons for working with the corresponding aircraft:

Button	Description
DELETE	Press DELETE to remove the selected/marked aircraft from aircraft database.
EDIT	Press EDIT to modification of parameter values pertaining to selected/marked aircraft. For description see 3.7.6.1 (page 184) .
VIEW	Press View to open the View Aircraft window to view the predefined aircraft SPTEST parameters or to edit the parameters and save into the database as a new aircraft. For description see 3.7.6.1 (page 184) .

3.7.6.1. Aircraft form



Note

The function is available just for specified types of users

Activation options:	Options: A. Click on the NEW AIRCRAFT button in the Aircraft window with an aircraft list. A aircraft form will open to define the parameters of the new aircraft. B. Select the desired aircraft in the aircraft list (i.e. click on the corresponding row in the list) and click on the "EDIT" button in the selected row. The complete aircraft form will open to edit the parameters of the relevant aircraft. C. Select the predefined aircraft SPTEST in the aircraft list (i.e. click on the its row in the list) and click on the VIEW button in the selected row. The complete aircraft form will open to view/edit a predefined aircraft and/or to use it to define a new aircraft. Note <i>For description of the Aircraft window with an aircraft list from the aircraft DB, see 3.7.6 (page 182).</i>
----------------------------	--

Aircraft

✕

↶

Registration

Type (ICAO)

Turbulence category

Profile

Light

Aircraft

Aircraft colour and markings

Aircraft operator

COMM/NAV/APP

SSR

ADS-B/C

Other COMM

Other NAV

Emergency radio

Survival equipment

Life jackets

Dinghies

UHF

Polar

Light

Number

Capacity

VHF

Desert

Fluorescein

Cover

ELT

Mantime

UHF

Color

Fuel for taxiing

Fuel for landing

IAS (cruise)

Fuel burn (cruise)

gal

gal

km/h

l/h

Usable fuel

Climb rate (sea level)

Ceiling

Descent rate

gal

ft/

ft

ft/

Contingency fuel

IAS (climb)

Climb rate (ceiling)

IAS (descent)

%

km/h

ft/

km/h

Holding time

Fuel burn (climb)

Fuel burn (ceiling)

Fuel burn (descent)

hour

l/h

l/h

l/h

Figure 3.43. Airplane form

Legend (describing items of the above window):

1. Click on the  button to close the window.
2. Buttons for working with the form



Note

You will be not allowed to save the aircraft specification until all mandatory parameters contained in the form are filled in appropriate fields.

*Mandatory parameters are marked with a * (star).*

Button	Description
--------	-------------

 (Save)	Press  button to save the aircraft specification in Aircraft Database.
Button	Description
 (Save as)	Note <i>The function is available in the aircraft form, which is already stored in the DB.</i> Important <i>Before clicking the  button, enter the new aircraft registration code (Registration * field), otherwise a new aircraft with the same registration code will be added to the aircraft DB.</i> Press  button to save the aircraft specification as new aircraft.
 (Save as)	Press  button to return to the aircraft list. The aircraft form will close without accepting the changes.

3. The control elements for viewing and editing of the aircraft parameters.



Note

Mandatory parameters are marked with asterisk ().*

Empty fields of mandatory parameters are highlighted.

Control element (Aircraft parameter)	Description
Registration*	Enter the aircraft's Registration Identifier (alphanumeric string).
Type (ICAO)*	Enter the aircraft's type designator (alphanumeric code) assigned by ICAO.

Turbulence category*	Select one of the following options: • Light Light aircraft types with a maximum certificated take-off mass of 7 000 kg or less
-----------------------------	--

Control element (Aircraft parameter)	Description
	• Medium Medium aircraft types with a maximum certificated take-off mass less than 136 000 kg and more than 7000 kg • Heavy Heavy aircraft types with a maximum certificated take-off mass of 136 000 kg or more • Super heavy Super Heavy aircraft types - for Airbus A380-800
Profile	Select one of the following options: • Aircraft • Helicopter • Glider • Ballon • Dron/Model • Paraglider/Hand Glider/Paramotor
Aircraft colour and markings	Enter a colour/colour scheme and markings of your aircraft.

Aircraft operator	Enter the name of the aircraft operator. The aircraft operator name shall be used for a FPL creation in the Field 18 as OPR/{aircraft operator}. Note <i>For description of the FPL form, see 3.7.1.1 (page 72).</i>
COMM/NAV/APP	Enter the radio communication, navigation and approach aid equipment to be carried on board. To choose from the offered items, click on the icon . The following window will appear.

Control element (Aircraft parameter)	Description
--	-------------

	Equipment and Capability ☐ N Check if no COM/NAV/approach aid equipment for the route to be flown is carried, or the equipment is unserviceable. OR ☐ S Check if standard COM/NAV/approach aid equipment for the route to be flown is carried and serviceable. Standard equipment is considered to be VHF RTF, VOR and ILS, unless another combination is prescribed by the appropriate ATS authority AND / OR check one or more of the following letters to indicate the serviceable equipment and capabilities available 37 ☐ A GBAS landing system ☐ B LPV (APV with SBAS) ☐ C LORAN C ☐ D DME ☐ E1 FMC WPR ACARS ☐ E2 D-FIS ACARS ☐ E3 PDC ACARS ☐ F ADF ☐ G GNSS (Global Navigation Satellite System) If the letter G is used, the types of external GNSS augmentation, if any, are specified in Field 18 following the indicator NAV/ and separated by a space. ☐ H HF RTF ☐ I Inertial Navigation ☐ J1 CPDLC (Controller Pilot Data Link Communications) ATN VDL Mode 2 ☐ J2 CPDLC FANS 1/A HFDL ☐ J3 CPDLC FANS 1/A VDL Mode A ☐ J4 CPDLC FANS 1/A VDL Mode 2 SET Note <i>For a description of items listed in windows refer to the section called “EQUIPMENT **” (page 91).</i> <i>For a description of working with the window, see 3.7.1.5 (page 105).</i> The user chooses one of the letters N or S. You can selected one or more COM/NAV/approach aid equipment choices for item S. Confirm the selection with the "SET" button. The letters of the selected options will be displayed in COM/NAV/APP field. SSR Enter SUR equipment available on-board. To choose from the offered items, click on the icon . The following window will appear.
Control element (Aircraft parameter)	Description

	Equipment and Capability ☐ N Check if no surveillance equipment for the route to be flown is carried, or the equipment is unserviceable. OR SSR Modes A and C 10 ☐ A Transponder Mode A (4 digits 4 096 codes) ☐ C Transponder Mode A (4 digits 4 096 codes) and Mode C SSR Mode S ☐ E Transponder Mode S, including aircraft identification, pressure altitude and extended squitter (ADS-B) capability ☐ H Transponder Mode S, including aircraft identification, pressure altitude and enhanced surveillance capability ☐ I Transponder Mode S, including aircraft identification, but no pressure-altitude capability ☐ L Transponder Mode S, including aircraft identification, pressure altitude, extended squitter (ADS-B) and enhanced surveillance capability ☐ P Transponder Mode S, including pressure altitude, but no aircraft identification capability ☐ S Transponder Mode S, including both pressure altitude and aircraft identification capability ☐ X Transponder Mode S with neither aircraft identification nor pressure-altitude capability SET Note <i>For a description of items listed in windows refer to the section called “SSR” (page 93).</i> <i>For a description of working with the window, see 3.7.1.5 (page 105).</i> Choose the letter N or other options. If N is unchecked, you can select 1 or more SUR equipments from the menu. Confirm the selection with the "SET" button. The letters of the selected options will be displayed in field SSR.
ADS - B/C	Enter the capabilities available on board. To choose from the offered items, click on the icon . The following window will appear.
Control element (Aircraft parameter)	Description

	Equipment and Capability ADS-B ☐ B1 ADS-B with dedicated 1090 MHz ADS-B out capability ☐ B2 ADS-B with dedicated 1090 MHz ADS-B out and in capability ☐ U1 ADS-B out capability using UAT ☐ U2 ADS-B out and in capability using UAT ☐ V1 ADS-B out capability using VDL Mode 4 ☐ V2 ADS-B out and in capability using VDL Mode 4 ADS-C ☐ D1 ADS-C with FANS 1/A capabilities ☐ G1 ADS-C with ATN capabilities SET Note <i>For a description of items listed in windows refer to the section called “ADS-B/C” (page 94).</i> <i>For a description of working with the window, see 3.7.1.5 (page 105).</i> You can perform one or more choices for any item. Confirm the selection with the "SET" button. The letters of the selected options will be displayed in field "ADS - B/C".
Other COMM	Insert additional communication equipment carried by the aircraft.
Other NAV	Insert additional navigation equipment carried by the aircraft.
Emergency radio	A. The aircraft is NOT carrying with an emergency radio. Leave the switch in the off state  and continue defining other aircraft parameters. B. The aircraft IS carrying with an emergency radio. Click on  switch and switch it to the on state . Check one or more of the following options: • UHF A/C equipped with a radio transmitting in UHF band (300-3000 MHz)

Control element (Aircraft parameter)	Description
	• VHF A/C equipped with a radio transmitting in VHF band (30-300 MHz) • ELT A/C equipped with Emergency Locator Transmitter
Survival equipment	A. The aircraft is NOT carrying survival equipment. Leave the switch in the off state  and continue defining other aircraft parameters. B. The aircraft IS carrying survival equipment. Click on  switch, switch it to the on state . Check one or more of the following options: • Polar Polar survival equipment is carried by aircraft • Desert Desert survival equipment is carried by aircraft • Maritime Maritime survival equipment is carried by aircraft • Jungle Jungle survival equipment is carried by aircraft
Life jackets	A. The aircraft is NOT carrying life jackets. Leave the switch in the off state  and continue defining other aircraft parameters. B. The aircraft IS carrying life jackets. Click on  switch, switch it to the on state . Check one or more of the following options:

Control element (Aircraft parameter)	Description
	• Light Life jackets with lights are carried by aircraft • Fluorescein Life jackets with fluorescein are carried by aircraft • UHF Life jackets transmitting UHF signals are carried by aircraft • VHF Life jackets transmitting VHF signals are carried by aircraft
Dinghies	A. The aircraft is NOT carrying dinghies. Leave the switch in the off state  and continue defining other aircraft parameters. B. The aircraft IS carrying life dinghies. Click on  switch, switch it to the on state . Define the following parameters: • Number Insert number of dinghies carried • Capacity Insert total capacity, in persons, of all dinghies carried • Cover Check the box if dinghies are covered • Color Insert colour of dinghies if carried
Fuel for taxiing	In the selected units, enter a total amount of fuel required to enable a preflight engine check, taxiing and take-off of departing aircraft

Control element (Aircraft parameter)	Description
Fuel for landing	In the selected units, enter a total amount of fuel required to enable an approach, landing and taxiing of arriving aircraft.
IAS (cruise)*	In the selected units, enter a value of Indicated AirSpeed when en-route.
Fuel Burn (cruise)*	In the selected units, enter a value of average fuel consumption by aircraft when en-route.
Usable fuel	In the selected units, enter the total capacity of fuel tanks of your aircraft.
Contingency fuel	In the selected units, enter an amount of fuel required to compensate for unforeseen factors.
Holding time	In the selected units, enter an extra time for flying a hold (to delay arriving aircraft).
Climb rate (see level)*	In the selected units, enter a value of climbing performance at sea level.
IAS (climb)*	In the selected units, enter a value of Indicated AirSpeed when climbing.
Fuel Burn (climb)	In the selected units, enter a value of average fuel consumption by aircraft when climbing
Ceiling	In the selected units, enter a value of aircraft's static ceiling.
Climb rate (ceiling)	In the selected units, enter a value of climbing performance at ceiling.
Fuel Burn (ceiling)	In the selected units, enter a value of average fuel consumption by aircraft when on ceiling.
Holding time*	In the selected units, enter a value of descent speed.
IAS (descent)*	In the selected units, enter a value of Indicated AirSpeed when descending.
Fuel Burn (descent)	In the selected units, enter a value of average fuel consumption by aircraft when descending.

3.8. Briefing

Click on the  /  button of the **Briefing** item in the main menu of the PANSAS application to expand/collapse a submenu for provide specific information needed for flight planning,.



Note

Availability and ordering of the functionalities in the submenu depends on the current configuration.

The function is available just for specified types of users.

*For a description of the main menu, see **3.3 (page 23)**.*

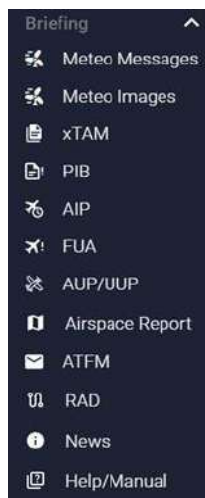


Figure 3.44. Briefing Submenu

The submenu may contain the following items:

Submenu Item	Description
 Meteo Messages	Open/Close the Meteo Messages window with a list of current weather messages. For a description of this window see 3.8.1 (page 196) .
 Meteo Images	Open/Close the Meteo Messages window with a list of current weather messages. For a description of this window see 3.8.2 (page 209) .
 xTAM	Open/Close the xTAM Messages window with the list of xTAM messages that are published and valid on a given day. For a description of this window see 3.8.3 (page 211) .

 PIB	Open/Close the PIB Messages window to generate following PIB types:
Submenu Item	Description
PIB	• AD • Area • Route • Narrow Route For a description of this window see 3.8.4 (page 216).
 AIP	Open/Close the AIP Documents window providing an access to paper documentation associated with operation of Aeronautical Information Services of Poland. For a description of this window see 3.8.5 (page 228).
 FUA	Open/Close the FUA Messages window with a list of planned AMC areas. For a description of this window see 3.8.6 (page 231).
 AUP/UUP	Open a separate window in a web browser with an external PANSA (AUP) application, that presents AUP/UUP information. Note <i>The description of the PANSA (AUP) application is not the subject of this manual.</i>
 Airspace Report	Opens a separate window in the web browser that presents the airspace situation in FIR in a map, for the current date and time (UTC).
 ATFM	Open/Close the ATFM Messages window with a list of AIM and ANM messages. For a description of the Aircraft window see 3.8.7 (page 237).
 RAD	Open a separate window in a web browser with an external Route Availability Document (RAD) application. Note <i>The description of the RAD application is not the subject of this manual.</i>

 News News	Open/Close the News window with a list of newsletters. For a description of the Aircraft window see 3.8.8 (page 240) .
 Help/Manual Help/Manual	Open a separate window in a web browser that contains an open PDF of the PANSA application user manual.

3.8.1. Meteo Messages

To display the "Meteo Messages" window, click on the **"Meteo Messages"** item in the "Briefing" submenu in the main menu of the application PANSA, see **3.2 (page 22)**.

The "Meteo Messages" window provides a list of current weather messages in textual form:

- METAR (see **the section called "METAR" (page 202)**);
- TAF (see **the section called "TAF" (page 203)**);
- SIGMET (see **the section called "TAF" (page 203)**);
- AD-WARN (see **the section called "AD WARN" (page 203)**);
- GAMET (see **the section called "GAMET" (page 203)**);
- AIRMET (see **the section called "AIRMET" (page 203)**);

The list is regularly updated and its content may vary depending on selection criteria (filters, see legend item (2) **3.8.1.2 (page 198)**) for messages retrieval set by the user.

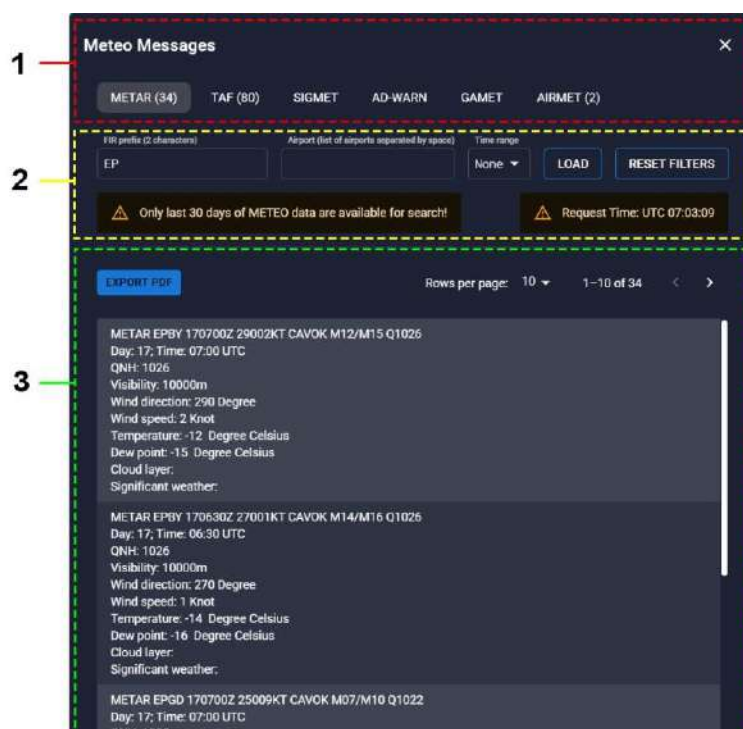


Figure 3.45. "Meteo Messages" window

Legend:

1. Top **Menu Bar** of the Meteo Viewer window;

See 3.8.1.1 (page 197).

2. **Filters** - Section for setting the display of the list of searched meteorological reports according to the filter.

See 3.8.1.2 (page 198).

3. Section for a presentation of retrieved list of meteorological messages satisfying your selection criteria (see legend item (2)) and selected message type (see legend item (1)).

See 3.8.1.3 (page 201).

3.8.1.1. Menu Bar of the "Meteo Messages" window



Figure 3.46. Top Menu Bar of the "Meteo Messages" window

The menu contains items that present the following types of meteorological messages:

Message type	
METAR	• Aviation routine weather report; • Meteorological aerodrome report; See the section called "METAR" (page 202).
TAF	Aerodrome Forecast (in meteorological code) See the section called "TAF" (page 203).
SIGMET	Significant Meteorological Information See the section called "SIGMET" (page 203).
AD-WARN	Meteorological warning due to hazardous weather phenomenon at the airport See the section called "AD WARN" (page 203).

GAMET	Area forecast for low-level flights See the section called “GAMET” (page 203).
AIRMET	AIRman's METeorological information See the section called “AIRMET” (page 203).



Important

For each menu item, the number of messages of that type displayed is shown.



3.8.1.2. "Meteo Messages" Window Filter

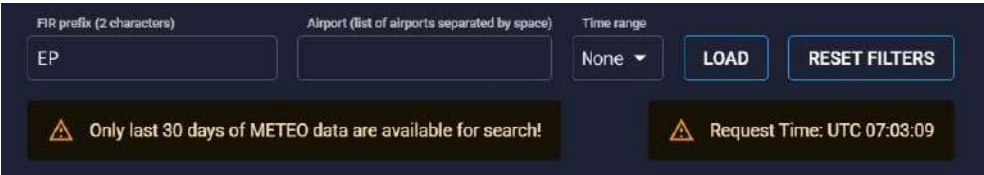


Figure 3.47. Filtering options of the "Meteo Messages" window



Important

*Only **last 30 days** of Meteo data are available for search.*

**Important**

In the right-hand corner, a window with the current time to which the messages in the list relate is displayed, see **Figure 3.45 (page 196)**.

 Request Time: UTC 08:25:30

After **one** minute, the time window display turns orange to indicate that the time is no longer current.

 Request Time: UTC 07:03:09

To reload the web page or use a filter, the time will become current again, and the window will turn green.

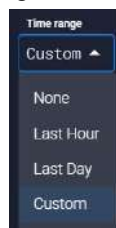
Upon an entry of retrieval criteria (filters) all reports satisfying them will be listed in Section 3. The following filtering options are available for reports retrieval:

- **FIR prefix (2 characters)** – enter a FIR prefix.

**Note**

Max 2 characters.

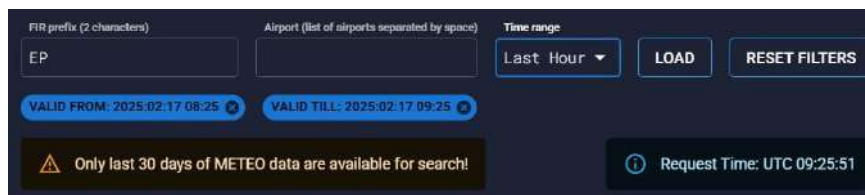
- **Airport (list of airports separated by space)** – enter ICAO designators of one or more aerodromes separated by space.
- **Time Range** - drop-down menu for selecting the filter time limit.

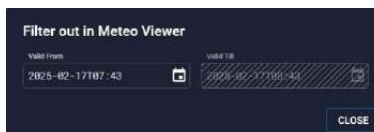




Important

In the filter section on the right, the indicators of the time frame used will be displayed.



Item	Description	
Non	Select an item to disable the display of items according to the filter settings.	
Last Hour	Select to set the filter for messages posted in the last hour.	
Last day	Select an item to set the filter for messages posted in the last day.	
Custom	Select an item to set the filter for messages published in the time frame you specify using the "Filter out in Meteo Viewer" window 	
Item	Description	
	Valid From	Text field for setting the desired date and time from which published weather reports will be displayed (in Section 3, see Figure 3.45 (page 196)). In the filter section, a flag with the set time will be displayed (see below).
	Valid Till	Text field for setting the desired end date and time for which published weather reports will be displayed (in section 3 see Figure 3.45 (page 196)). In the filter section, a flag with the set time will be displayed (see below).
		Button to close the window.

- Action buttons on the right side of the filter section:

Button	Description
	- Click on the button to view the current messages in Section 3 (see 3.8.1.3 (page 201)) according to the filter settings and according to the selected message type (see legend (1) 3.8.1.1 (page 197)).
	- Click to clear the current filter settings. All messages will be displayed according to the selected type (legend point (1), see Figure 3.45 (page 196)).
	- Flags with set time intervals (see 3.8.1.4 (page 204)). The time filter is reset and the flag is lost: • click the cross in any time flag; • select "None" in the "Time Range " drop-down menu; • click "RESET FILTERS" (see above); Important <i>To reload the messages you need to press the "LOAD" button (see above).</i>

3.8.1.3. Displaying meteorological reports

Weather reports are displayed according to the set filter criteria (see **3.8.1.2 (page 198)**) and the selected report type in the menu (see **3.8.1.1 (page 197)**).

EXPORT PDF Rows per page: 10 1-10 of 34

METAR EPBY 171230Z 26012KT 230V290 9999 SCT036 M01/M09 Q1025 Day: 17; Time: 12:30 UTC QNH: 1025 Visibility: 10000m Wind direction: 260 Degree Wind speed: 12 Knot Temperature: -1 Degree Celsius Dew point: -9 Degree Celsius Cloud layer: Scattered 3600ft Significant weather:
METAR EPBY 171200Z 30009KT 9999 SCT033 M02/M09 Q1025 Day: 17; Time: 12:00 UTC QNH: 1025 Visibility: 10000m Wind direction: 300 Degree Wind speed: 9 Knot Temperature: -2 Degree Celsius Dew point: -9 Degree Celsius Cloud layer: Scattered 3300ft Significant weather:
METAR EPGD 171230Z 27015KT 4700 -SN SCT013 M02/M05 Q1022 Day: 17; Time: 12:30 UTC QNH: 1022 Visibility: 4700m Wind direction: 270 Degree Wind speed: 15 Knot Temperature: -2 Degree Celsius Dew point: -5 Degree Celsius Cloud layer: Scattered 1900ft Significant weather: Snow
METAR EPGD 171200Z 27011KT 5000 -SN SCT015 M02/M05 Q1022 RESN Day: 17; Time: 12:00 UTC QNH: 1022 Visibility: 5000m Wind direction: 270 Degree Wind speed: 11 Knot Temperature: -2 Degree Celsius Dew point: -5 Degree Celsius

Figure 3.48. Examples of a list of Meteo Messages

The following possibilities may occur when displaying meteo messages:

- **The filter is NOT SET**

The resulting list will automatically display all messages of the selected type for the last 30 days.

- **The filter IS SET**

Using the "**LOAD**" button, only messages that match the filter settings will be displayed in the resulting list of messages of the selected type.

- If an area is entered in the "FIX prefix" field, only messages for that area will be displayed.
- If airport(s) are entered in the "Airport" field, only messages for the respective airport(s) will be displayed.
- If values are entered in the "**Time Range** " field, only messages that match the specified time criteria will be displayed.
- The message list is updated (new messages are loaded) and the "Request Time:" field is changed to the current time (section (2), see **3.8.1.2 (page 198)**):

- by pressing the **"LOAD"**;
- by pressing the **"RESET FILTERS"**;
- If a time filter has been set click on the cross in the indicator:

• VALID FROM: 2025-02-17 08:25 

• VALID TILL: 2025-02-17 09:25 



Note

The displayed text weather messages according to the selected type and the set filter criteria are sorted from the top from the most recent in descending order.

If no meteorological messages are available, "Nothing found" is displayed.

The list header contains the following items:

Item	Description
	Click the button to display the standard system window for exporting the list to PDF.
Rows per page:	List pagination (see the section called "List Pagination" (page 208)).

METAR

Click on the **"METAR"** item in the menu of the "Meteo Messages" window to display METAR messages in the list - Section (1), see **3.8.1.1 (page 197)**.

TAF

Click on the **"TAF"** item in the menu of the "Meteo Messages" window to display TAF messages in the list - Section (1), see **3.8.1.1 (page 197)**.

SIGMET

Click on the **"SIGMET"** item in the menu of the "Meteo Messages" window to display SIGMET messages in the list - Section (1), see **3.8.1.1 (page 197)**.

AD WARN

Click on the "**AD WARN**" item in the menu of the "Meteo Messages" window to display AD WARN messages in the list - Section (1), see **3.8.1.1 (page 197)**.

GAMET

Click on the "**GAMET**" item in the menu of the "Meteo Messages" window to display GAMET messages in the list - Section (1), see **3.8.1.1 (page 197)**.

AIRMET

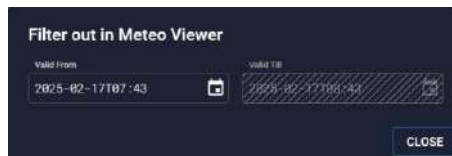
Click on the "**AIRMET**" item in the menu of the "Meteo Messages" window to display AIRMET messages in the list - Section (1), see **3.8.1.1 (page 197)**.

3.8.1.4. Procedures for setting the display of Meteo Messages

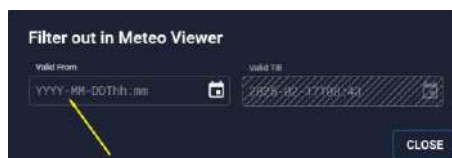
Example of time filter setting



1. Select "**Custom**" in the "**Time Range**" drop-down menu;
2. The "Filter out in Meteo Viewer" window will be displayed to set the time filter.



- In the "Valid From" text box, set the desired date and time (see **the section called "Setting the date and time" (page 205)**) from which the required messages will be displayed in section (3) (see **Figure 3.45 (page 196)**):
- **YYYY** is the calendar year;
- **MM** is a calendar month;
- **DD** is a calendar day;
- **hh** is the hour;
- **mm** is a minute;



- In the same way (step 2) you can select the date and time in the "Valid Till" field for which the displayed messages were issued.

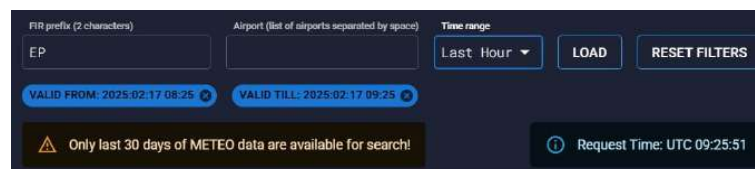



Important

If you don't select it, all messages up to the date and time displayed in the time window or from the last date and time used will be displayed automatically.

3. Press the "**CLOSE**" button. The "Filer out in Meteo Viewer" window will close.

In the filter section on the right, the indicators of the time frame used will be displayed.



4. In Section 3 (see **Figure 3.45 (page 196)**), after pressing the "**LOAD**" button, the messages falling under the applied filter will be displayed.

Setting the date and time

MM/DD/YYYY hh:mm:ss format:

- **MM** is the calendar month;
- **DD** is the calendar day;
- **YYYY** is the calendar year;
- **hh** is hour;
- **hh** is hour;
- **mm** is minute;



1. to select (set) the date and time:

- Enter the data using the keyboard;
- click on the  icon (1);

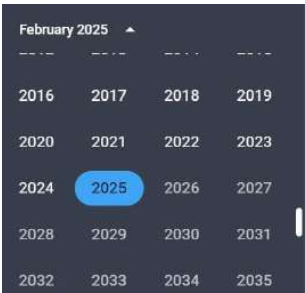
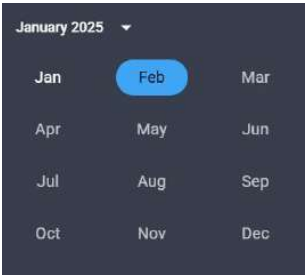
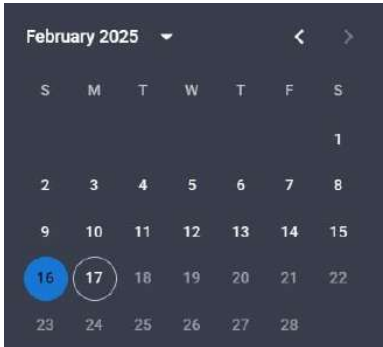
1. The following window will open.



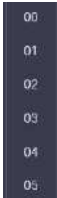
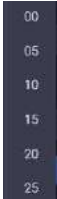
Figure 3.49. Window for setting the date and time

2. Click on the items in the window to select the desired date and time.

Control	Description
---------	-------------

	Icon to display calendar years to select a specific year.  After selecting the year, a panel for selecting the month is displayed. 
	• If you have not selected a specific year, use the ▼ button to click the ▲ button to display a panel of calendar days in the selected month and year to select a specific day.
Control	Description
	• In the calendar days (2) of days panel, select a specific day in the selected month and year.  Legend:  Current calendar day.



	The icon to display the days of the previous calendar month.
	The icon to display the days of the next calendar month.
	The list (4) for selecting hours. If you are using a mouse, you can scroll through the contents of the list by scrolling the mouse wheel.
	The list (5) for selecting minutes. The menu consists of values 5 minute apart. If you are using a mouse, you can scroll through the contents of the list by scrolling the mouse wheel. Selecting the minute will close the date and time setting window and the selected data will be displayed in the corresponding field of the form.

- After selecting the date and time, click **"OK"**. The window closes and the date is entered in the text box **"Valid From"** / **"Valid Till"**. The window closes.

List Pagination

Pagination is the automatic division of a list into individual pages according to the number of rows.

The predefined pagination setting, location, set of controls and availability for the respective list depends on the current application configuration.

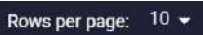
You can change the pagination settings while you are working with a given list.



Figure 3.50. Examples of the controls for list paging

Description of control elements:

Control Element	Description
-----------------	-------------

	Drop-down list to set the maximum number of rows per page. • 5 • 10 • 15 • 25 The predefined or currently selected number is displayed. Click on the numeric value to display the menu and select a value.
	Information about the range of currently visible rows out of total number.
	Buttons to scroll on each page of the list:  Forward  Backward Note <i>The button is active if scrolling forward/backward is possible.</i>

3.8.2. Meteo Images

Activation options:	- To open/close the Meteo Images window (see the following figure) to view available current weather images, click on the Meteo Images item in the Planning submenu in the main menu of the PANSa application. Note <i>For description of the main menu see 3.2 (page 22).</i>
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Meteo Images window enables to view available current weather images (e.g. images received from satellites and radar systems, meteorological charts, etc.).

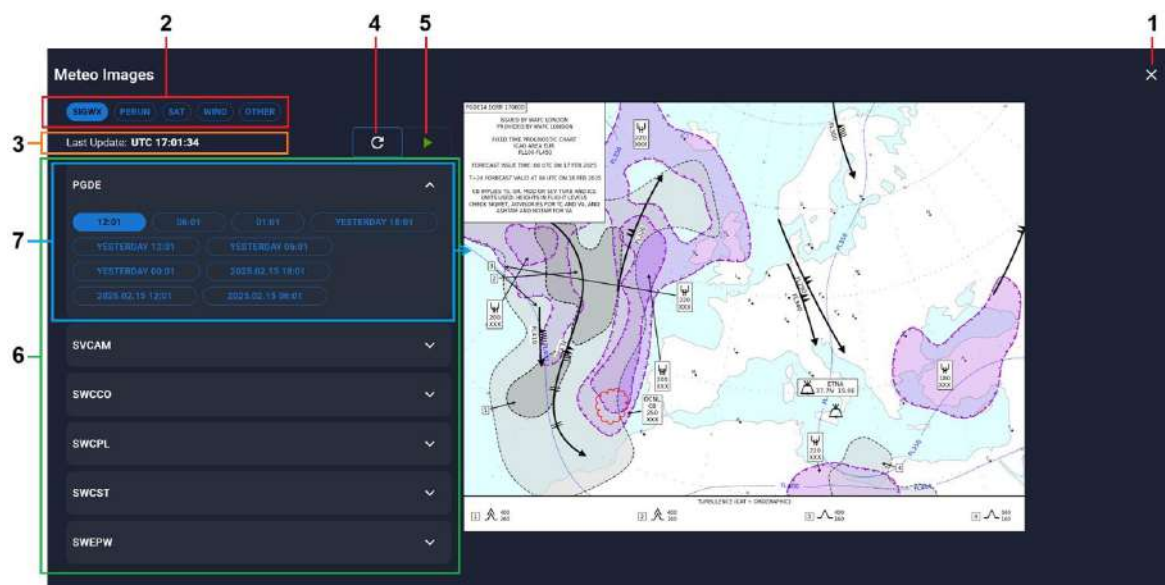


Figure 3.51. Meteo Images window

Legend:

1. Click on the button to close the window.

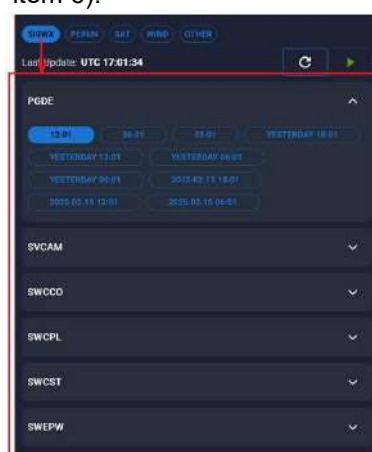
2. Type of weather images



Click on the respective radio button to select the desired type of weather images.

For the selected type, a list of categories into which the images are classified is displayed.

The first category is automatically expanded and the most recent image from that category is displayed (the following image - item 6).



3. Time (UTC) of the latest data update presented in the window.

Last Update: **UTC 02:50:46**

If newer data is available, the last update time will be highlighted.

4. Data updating

Click on the  button to update the data presented in the window.

5. Replaying (play/stop)

Click on the  button to **play** a meteorological animation within the selected category (item 6).

Click on the  button to **stop** a meteorological animation.

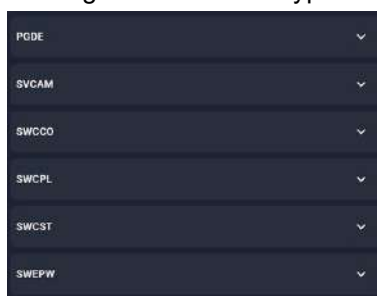


Important

The animation runs from the oldest to the newest image in the respective category.

6. Categories of weather images

The categories are displayed according to the selected type of meteorological images (item 2).



Click on the  button to **expand** the list of images in a respective category.

Click on the  button to **collapse** the list of images in a respective category.

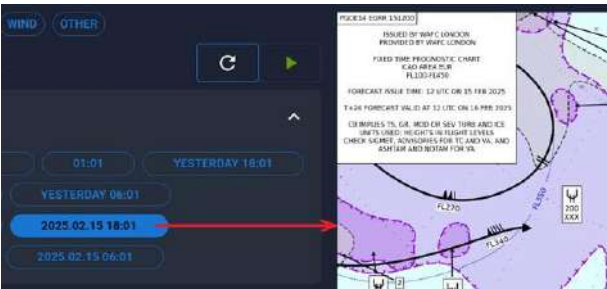


Each image in the category has its own button with the date (day) and time of image creation.

The button of the currently displayed image has a highlighted background.



The image is displayed by clicking its respective button.



3.8.3. xTAM

Activation options:

- To open/close the **xTAM Messages** window (see the following figure) to display a list of published xTAMs valid on a given day, **click on the xTAM** item in the **Briefing** submenu in the main menu of the PANSA application.

To close the **xTAM Messages** window, you can also use its close button .

Note

To close the window, you can also use its close button .

For description of the main menu see 3.2 (page 22).

xTAM Messages window enables to display a list of xTAM messages that are published and valid on a given day or according to the set filter.

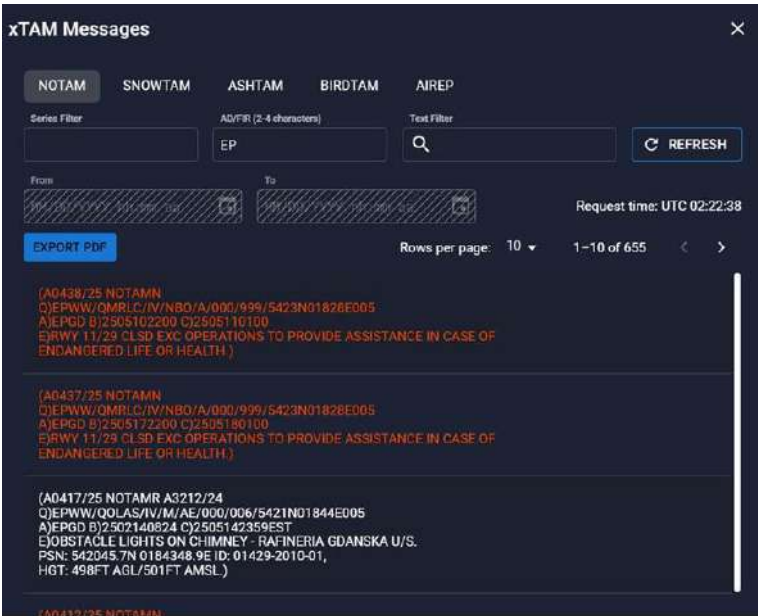


Figure 3.52. Sample of the xTAM list**Note**

The set of switches (i.e. which types of xTAM messages are presented in the application) and their order depends on the current configuration of the application.

Both effective and valid NOTAMs are displayed in the NOTAM messages list. These message types are colour-coded with the colours being pre-set in the configuration file.

Displaying the desired type of xTAM messages in the list

Click on the xTAM switch (e.g. NOTAM) to display desired xTAM messages in the list.

The following actions can be performed on the xTAM list:

- filtering of xTAMs in the list, see **3.8.3.1 (page 213)**
- **export** the currently displayed list to PDF, see **3.8.3.2 (page 214)**
- pagination of the list, see **3.8.3.3 (page 215)**

3.8.3.1. Filtering of the xTAM List

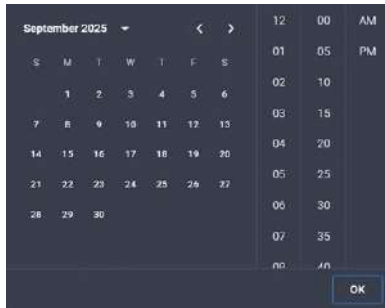
Message filters are displayed in the upper part of the xTAM list (see the following figure).

Only xTAMs fulfilling the filter criteria are listed in the window.

Figure 3.53. Filtering of the xTAM List

Description of control elements:

Control Element	Description
-----------------	-------------

Series Filter	Note <i>The function IS available for the NOTAM list.</i> Text field to filter NOTAMs by their message series (e.g. A). To apply the filter, click on the REFRESH button or press the Enter key.
AD/FIR	Text field to filter xTAMs by an ICAO designator of an aerodrome/FIR; you can insert 2-4 characters (e.g. LZ or LZBB). The predefined value displayed automatically upon opening the window is configured, and can be edited. To apply the filter, click on the REFRESH button or press the Enter key.
Text Filter	Text field to filter xTAMs by inserted text string. The filter is applied automatically when typing into the field.
From / To	Note <i>The function IS NOT available for the NOTAM list.</i> Text fields for entering the time interval for which messages should be displayed in the corresponding xTAM list. <u>You can enter the value in the following ways:</u> A. Click in the field to enter the value using the keyboard. B. Click on the  icon to insert a value by selecting from the calendar.
Control Element	Description
	 To apply the filter, click on the REFRESH button or press the Enter key.

REFRESH	Note <i>The REFRESH button is active after a change in the following filter items:</i> • Series Filter • AD/FIR • From • To Button to refresh/update the xTAM list according to the selected filter.
Request Time	UTC time of the last refresh/update of the relevant xTAM list.

3.8.3.2. Export xTAMs to PDF

To export the currently displayed list of xTAM messages (e.g. SNOWTAM) to a PDF file, click on the **EXPORT PDF** button.

The export is performed and the created PDF file is automatically saved in the "Downloads" directory on the HDD PC.



Figure 3.54. The EXPORT PDF button

3.8.3.3. List Pagination

The xTAM list is automatically paginated, divided into individual pages according to the number of rows.

This pagination can be set using the controls, which are located in the upper part of the main application window (see the following figure).



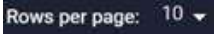
Note

The predefined pagination setting, location, set of controls and availability for the respective list depends on the current application configuration.



Figure 3.55. Examples of the controls for list paging

Description of control elements:

Control Element	Description
	Drop-down list to set the maximum number of rows per page. The predefined or currently selected number is displayed. Click on the numeric value to display the menu and select a value.
	Information about the range of currently visible rows out of total number.
	Buttons to scroll on each page of the list:  Forward  Backward Note <i>The button is active if scrolling forward/backward is possible.</i>
	Buttons to display a specific page of the list according to its serial number. The button of the currently displayed page has a highlighted background.

3.8.4. PIB

Activation options:	- To open/close the PIB window (see the following figure) to generate a PIB message, click on the PIB item in the Biefing submenu in the main menu of the PANSAS application. Note <i>For description of the main menu see 3.2 (page 22).</i>
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PIB window provides a set of control elements to specify a content of PIB message followed by its generation in PDF file format.

Figure 3.56. PIB window

The screenshot shows the PIB window interface. At the top right is a close button (X) labeled 1. Below it is a menu bar with four options: AD, AREA, ROUTE, and NARROW ROUTE, with AD selected and labeled 2. The main content area is divided into several sections: 'Ads' with a text field for 'PIB prepared for' containing 'Janko Hrasko' (labeled 3); 'Flight rules' with checkboxes for VFR, IFR, and Purpose (Immediate Notification, Bulletin Propose, Operational Significance, Misc. Information); 'PIB requirements' with radio buttons for 'All NOTAM(s)' and 'Notams not older than [days]', a slider for 'Include SNOTAMs', and a 'Sort (NOTAMs) by' section with radio buttons for Q-Code, MSG No, Date, and Sorting order (ASC, DESC); 'Scope' with checkboxes for A: Aerodrome, E: En-Route, and W: Nav Warnings; 'Briefing type' with checkboxes for International, National, and Military; and 'NOTAM Q-codes' with a 'Q-code' field and radio buttons for 'Include' and 'Exclude'. At the bottom right is a 'CREATE PIB' button labeled 4.

Legend:

1. Click on the button to close the window.
2. **PIB Menu** – the pane containing forms for a completion of the following types of PIB messages:
 - **AD** - Aerodrome type message;
 - **Area** - Area/FIR type message;
 - **Route** - Route type message;
 - **Narrow Route** - Narrow Route type message;
3. **PIB attributes** - the pane listing items (attributes) to be included in a PIB message selected in (point [2] of the legend).

The items they may be contained in PIB message are described in **3.8.4.2 (page 218)**.

4. **Create PIB** – press the button to open a window showing the newly generated PIB message (as specified in point [3] of the legend) in PDF file format for saving it as a soft/hard copy.

At the same time, the file will be, automatically sent to the e-mail box of a logged-on user.

**Note**

*Should the export of PIB message (to *.pdf) take more time than convenient the PIB message will be sent to the user's e-mail box without displaying it on the screen*

3.8.4.1. NOTAM Sorting Order

NOTAM messages are sorted, in PIB in the following order of precedence:

- AD messages (for aerodromes);
- Route messages (for FIRs and aerodromes);
- Nav-Warnings (for FIRs and aerodromes);

NOTAMs can be, in PIB sections listed in one of the following sorting orders:

- If Sorting Indicator by **Q-Code** is active, NOTAMs are listed in ascending or descending alphabetical order (**ASC/DESC** toggle);
- If Sorting Indicator by **"MSG-No"** is active, NOTAMs are listed in ascending or descending order (**ASC/DESC** toggle) by their sequence number (SEQ NO);
- If Sorting Indicator by **"Date"** is active, NOTAMs are listed in ascending or descending order (**ASC/DESC** toggle) by the date/time of their validity commencement;

While producing PIB you can retrieve and include, in PIB the valid SNOWTAM messages for selected aerodromes at the given time.

SNOWTAM is a special NOTAM series notifying a presence or elimination of hazardous conditions associated with snow, slush and ice on the movement areas of an airport.

If no SNOWTAM is issued such aerodrome is assigned indicator: 'SNOWTAM: NIL'.

3.8.4.2. List of parameters for creating a PIB report

The PIB window contains parameters according to the selected PIB report form:

- AD
- Area
- Route
- Narrow Route.

The following list of all Attributes/Items describes all possible parameters that can be used to generation a PIB:

ADEP/ADES

Enter the ICAO code of departure (**ADEP**) and destination (**ADES**) aerodrome for which the NOTAMs are to be retrieved and included in PIB.

ADs (Aerodromes)

ADs (Aerodromes)

Enter a list of ICAO designators of aerodromes satisfying sorting criteria for NOTAM inclusion into the PIB; aerodrome designators shall be separated from each other by a space character (e.g. EPWA EPWI EPLL).

Alternate Aerodromes

Enter a list of ICAO designators of alternate aerodromes satisfying sorting criteria for NOTAM inclusion into the PIB; aerodrome designators shall be separated from each other by a space character (e.g. EPWA EPWI EPLL).

FIRs (Flight Information Regions)

Enter a list of ICAO designators of FIRs satisfying sorting criteria for NOTAM inclusion into the PIB; FIR designators shall be separated from each other by a space character (e.g. LZBB EPWW).

Route description

Type details on flight route.

PIB prepared for

Enter a name/title of a person/entity to whom the message concerns. The name will be shown in the PIB header.



Note

The name of the currently logged-in user is pre-filled by default., see 3.6.1 (page 65).

Flight Level (FL) - Area PIB

Specify the FL limit satisfying sorting criteria for NOTAM inclusion into PIB, i.e., insert values of the actual vertical FL interval taking into consideration a specified FPL buffer zone by:

- entering a value in the text box;
- by moving the slider.

Item	Description
Upper	- Enter the upper limit of the vertical FL interval. To set the value either (1) type numerals into text field, or (2) use a slider.

Lower	- Enter the lower limit of the vertical FL interval. To set the value either (1) type numerals into text field, or (2) use a slider.
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If the sorting criterion for NOTAMs is FIR, the selected NOTAMs shall satisfy values specified for FL limit regardless of an aerodrome.

However, if a sorting criterion is AD, the selected NOTAMs are not checked for FL limit, just whether or not they relate to a specified aerodrome.

Flight Level (FL) - Route/Narrow Route PIB

Set the same FL limit for the entire flight route, i.e. for all route segments by marking the **"All segments identical"** check box.

As a consequence, the FL values inserted for the first route segment will be automatically applied to the all remaining segments.

When **"All segments identical"** check box is unmarked, insert individually FP values for:

- **First SEG** - the first segment (First SEG);
- **Mid SEGs** - middle segments;
- **Last SEG** - last segment;

The FL limit set in this way is the actual vertical FL interval taking into consideration a specified FPL buffer zone (see **the section called "Route Buffers" (page 222)**) for which the NOTAMs will be retrieved and included in PIB, by:

- entering a value in the text box;
- by moving the slider.



Note

FPL buffer zone is available for existing FPL only, not for manually filled Narrow Route PIB.

If the sorting criterion for NOTAMs is FIR, the selected NOTAMs shall satisfy values specified for FL limit regardless of an aerodrome.

However, if a sorting criterion is AD, the selected NOTAMs are not checked for FL limit, just whether or not they relate to a specified aerodrome.



Enter the start date/time (FROM) and end date/time (TO) of NOTAM validity. All NOTAMs that are valid within FROM – TO interval will be included in the PIB:

- date "From date" / "To date" (settings see **the section called "Setting the date" (page 223)**);
- time "From time" / "To time" (settings see **the section called "Setting the time" (page 225)**);

Briefing Type

Select the type of NOTAM briefing for an inclusion into PIB; available options: International series, national series, military briefing

Flight Rules

A selection of flight rules according to the weather conditions. If no selection is made, NOTAMs will not be sorted by flight rules.

Parameter	Description
V: VFR	- NOTAMs selection for VFR flight
I: IFR	- NOTAMs selection for IFR flight

Scope

It specifies a scope of the PIB. This non-editable item relates the NOTAM subject to a specific scope. It is automatically set according to a category/section under which the NOTAM is presented inside a PIB (item [2] of the legend, see **Figure 3.56 (page 216)**).

Parameter	Description
A: Aerodrome	- Aerodrome: Retrieval of NOTAMs referring to the scope of aerodromes
E: En-Route	- En-route: Retrieval of NOTAMs referring to the scope of en-route information
W: Nav-Warnings	- Warning: Retrieval of NOTAMs referring to the scope of navigation warnings. Such NOTAMs will be inserted at the end of the PIB. Messages will be retrieved separately for FIR and AD.

Purpose

Purpose relates NOTAM to certain purposes, allowing users to define retrieval criteria in accordance with their requirements.

Parameter	Description
N: Immediate Notification	- NOTAM selected for the immediate attention of aircraft operators
B: Bulletin Purpose	- NOTAM selected for standard PIB entry
O: Operational Significance	- NOTAM contains operationally significant information referring to flight operations

M: Misc. Information	- NOTAM contains "miscellaneous" information referring to aerodrome and will not be included in PIB unless specifically requested. NOTAM contains "miscellaneous" information referring to FIR and will not be included in PIB unless specifically requested. NOTAM contains "miscellaneous" information referring to warnings and will not be included in PIB unless specifically requested.
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PIB Requirements

Select sorting criteria for an inclusion of NOTAM messages in a PIB.

Parameter	Description
All NOTAM(s)	- Enable toggle button if you wish to retrieve 'All NOTAMs' for inclusion into PIB
NOTAM(s) not older than [days]	- Enable toggle button if you wish to retrieve 'NOTAMs not older than' a specified number of days for inclusion in PIB. To set the number of days (1) type numerals into text field, or (2) use a slider.
Parameter	Description
Include SNOWTAMs	- Check the box if you wish to include SNOWTAM messages from the PIB.
Sort (NOTAMs) by	- Select the option to sort NOTAMs for an inclusion in a PIB by: • Q-Code - the Q-code alphabetical order; • MSG No - the sequence number (SEQ NO/SN) of NOTAM message; • Date - the date and time of NOTAM validity commencement;
Sorting Order	- Select the option to list NOTAMs in a PIB in: • ASC – NOTAMs are listed in ascending order for an active "Sort (NOTAMs) by" option (see above); • DESC - NOTAMs are listed in descending order for an active "Sort (NOTAMs) by" option (see above);

NOTAM Q-Codes

Select NOTAMs for an inclusion in (or exclusion from) a PIB by Q-Code filter. To do this, enter the Q-Code to the "Q" text boxes. To delete the inserted Q-Code value use  button.

Parameter	Description
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Include Q-codes	- Include into PIB only NOTAMs with specified Q-Code values
Exclude Q-codes	- Exclude from PIB the NOTAMs with specified Q-Code values

Route Buffers

Parameter	Description
Corridor Width AD [NM]	- Enter a value of the width of FPL Buffer Zone.
Radius Around AD [NM]	- Enter a value of the radius of the circle representing an aerodrome area.

3.8.4.3. Setting the date and time

Setting the date

MM/DD/YYYY hh:mm:ss format:

- **MM** is the calendar month;
- **DD** is the calendar day;
- **YYYY** is the calendar year;



1. to select (set) the date:

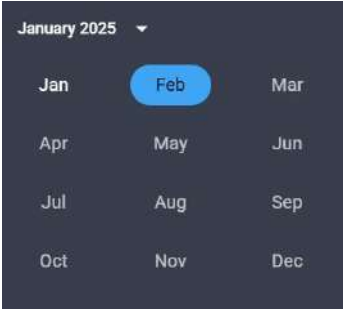
- Enter the data using the keyboard;
- click on the  icon;

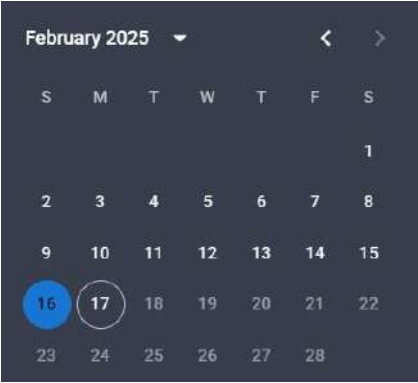
1. The following window will open.



Figure 3.57. Window for setting the date

- 2. Click on the items in the window to select the desired date and time.

Control	Description
	Icon to display calendar years to select a specific year.  After selecting the year, a panel for selecting the month is displayed. 

	• If you have not selected a specific year, use the  button to click the  button to display a panel of calendar days in the selected month and year to select a specific day. • In the calendar days (2) of days panel, select a specific day in the selected month and year. 
Control	Description
	Legend:  Current calendar day.  Selected calendar day.
	The icon to display the days of the previous calendar month.
	The icon to display the days of the next calendar month.

2. After selecting the date and time, click "OK".

The window closes and the confirmed data is displayed in the appropriate field of the form.

Setting the time

hh:mm format:

- **hh** is hour;
- **mm** is minute;



1. to select (set) the time:

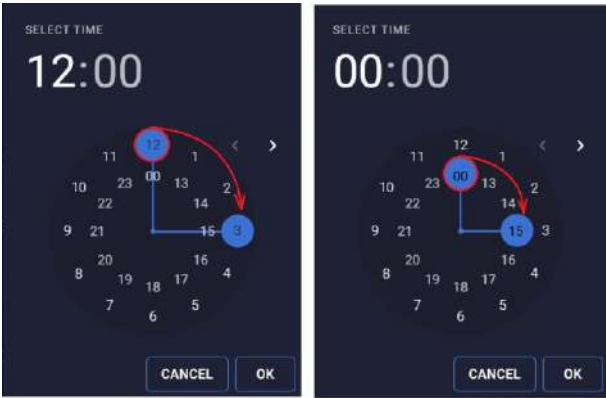
- Enter the data using the keyboard;
- click on the ⌚ icon;

1. The following window will open.



Figure 3.58. Window for setting the time

2. Click on the items in the window to select the desired time.



The window contains the following controls:

Control	Description
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	Currently selected time in HH:MM format, where: • HH is the selected hour; • MM is the selected minute; Note <i>Click on hh or mm to display the appropriate dial for selecting the hour or minute.</i>
	The HOURL dial - to select a specific hour.
Control	Description
	 The MINUTE dial - to select a specific minute. 
	The icon to display the hour dial to select a specific hour.
	The icon to display the minute dial to select a specific minute.

2. After selecting the date and time, click "**OK**".

The window closes and the confirmed data is displayed in the appropriate field of the form.

3.8.5. AIP

Activation options:

- To open/close the **AIP** window (see the following figure) for viewing AIP documents, **click on the AIP** item in the **Biefing** submenu in the main menu of the PANSA application.

Note

For description of the main menu see 3.2 (page 22).

AIP window provides an access to such documents as regulations, procedures, charts and other information pertinent to flying aircraft in the particular country to which it relates.

AIPs normally have three parts – GEN (general), ENR (en route) and AD (aerodromes).

AIP window enables to group the documents into categories (e.g. regulations, charts, etc.) as required and to present them in PDF file format.

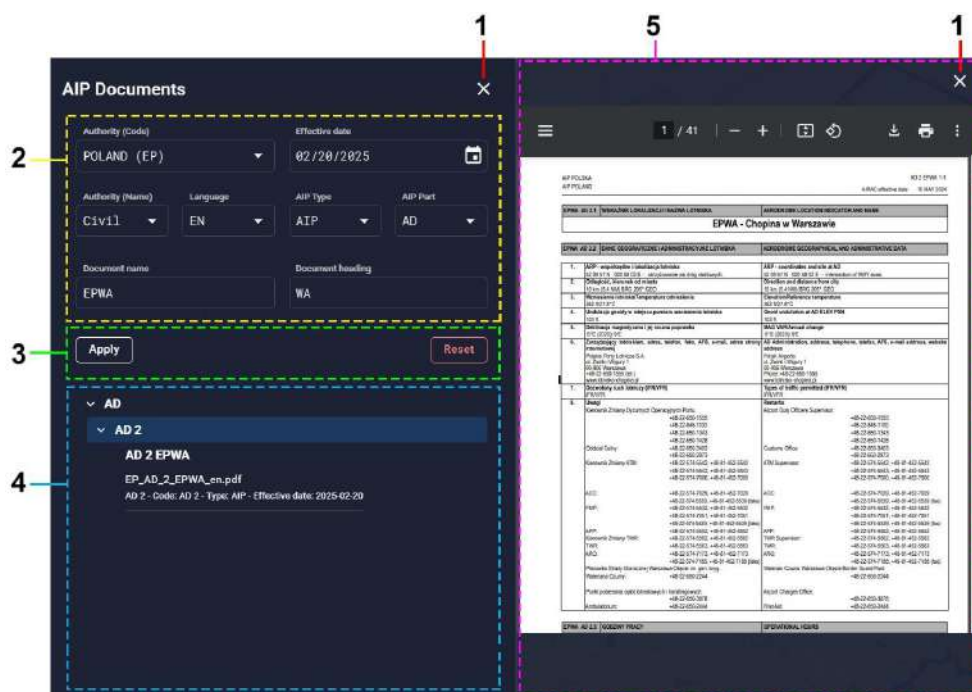


Figure 3.59. AIP window

Legend:

1. Click on the  button to close the window.

2. **Filters** - a section containing controls to set filtering criteria to be used for a retrieval of AIP documents.

Following filtering options are available for national AIP DOC retrieval:

Control	Description
Authority (Code)	- Drop-down menu to select a code of the Authority that issued the AIP.

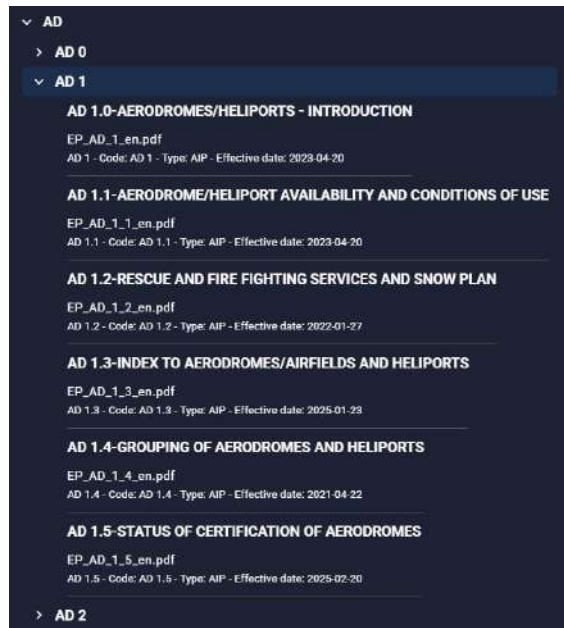
	- Drop-down menu to select a type of the Authority that issued the AIP.
Authority (Code)	- Drop-down list to select the country that issued the AIP.
Effective date	- Section containing advanced search options to look up particular AIP document according to its date of publication.
Authority (Name)	- Drop-down menu to select a type of the Authority that issued the AIP: • Civil - Aeronautical Information Circular; • Military - Aeronautical Information Publication; • VFR - AIP amendment; • RAD - mapy; • RAD - route availability document; • SUP - AIP Supplementary;
Language	- Drop-down menu to select the language of the AIP.
AIP Type	- Drop-down menu to select the type of AIP document: • AD - Aeronautical Information Circular; • AIP - Aeronautical Information Publication; • AMDT - AIP amendment; • Charts - mapy; • RAD - route availability document; • SUP - AIP Supplementary;
AIP Part	- Drop-down menu to select the part of AIP document: • AD - aerodromes; • AD - en route; • AD - general;
Document name	- Section containing advanced search options to look up particular AIP document according to its name of the document .
Document heading	- Section containing advanced search options to look up particular AIP document according to its author.

3. **Apply** - a button to search relevant AIP documents according to the selected filter criteria (item [2] of the legend).

Reset - a button to reset the selected filter criteria (item [2] of the legend).

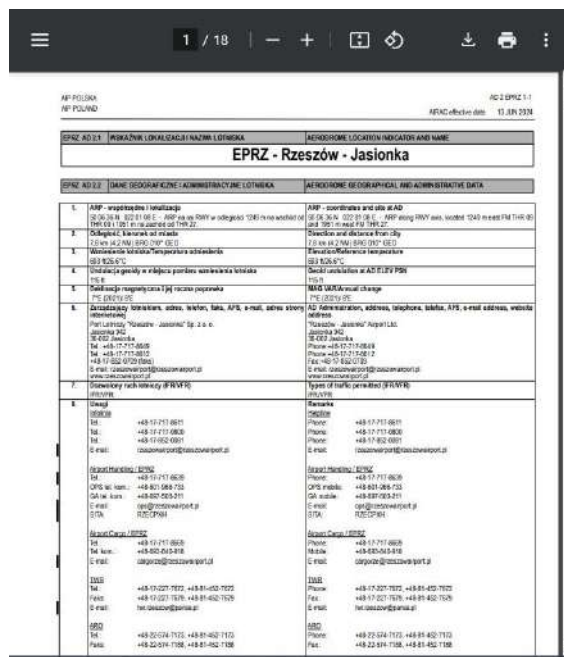
4. **AIP List** – a collection of selected AIP documents satisfying the filtering criteria (item [2] of the legend).

Use  /  buttons to show/hide the information about respective AIP document.



5. **AIP Viewer** - upon selecting/markng a desired AIP document, its content will appear on the screen in PDF file format (see picture below).

AIP Viewer contains controls for saving the document as a soft/hard copy.



3.8.6. FUA

Activation options:

- To open/close the **FUA Messages** window (see the following figure) to view temporary reserved areas (Temporary Areas), **click on the FUA** item in the **Briefing** submenu in the main menu of the PANSÁ application.

Note

For description of the main menu see 3.2 (page 22).

FUA window enables to view temporary reserved areas (Temporary Areas) sorted by specified filtering criteria as follows:

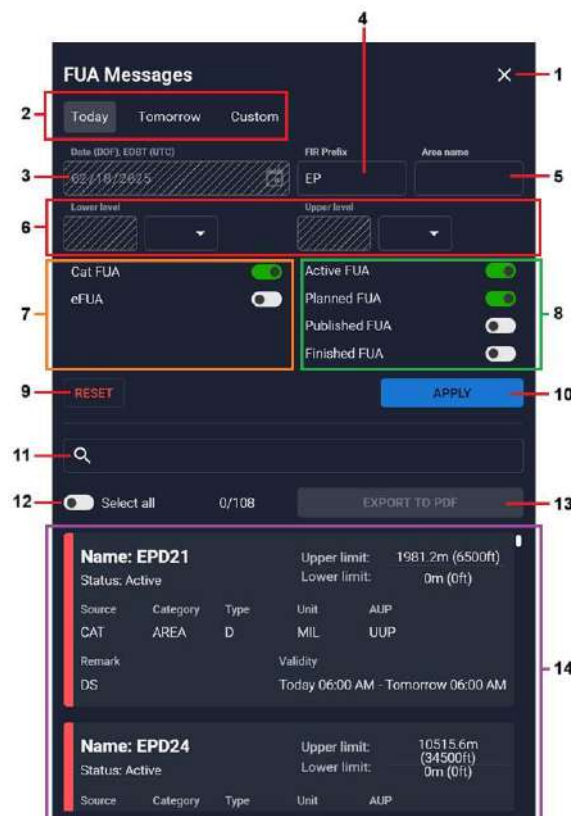


Figure 3.60. FUA Messages window

Legend:

1. Click on the  button to close the window.

2. Today/ Tomorrow/ Custom

Click the selected toggle button to enable the desired ASM time filter for messages displayed in the list.

Available options:

Today

Choose the option to show ASM messages valid for the present day, i.e. from Today at 06:00 to Tomorrow at 06:00 (UTC)

Note

The Today toggle button is pre-selected by default.

Tomorrow

Choose the option to show ASM messages valid for the day following the present day, i.e. from Tomorrow at 06:00 to the Day after Tomorrow at 06:00 (UTC)

Custom Choose this option to show ASM messages valid for the day of your choice (UTC) by use of controls that appear upon clicking the option.

3. Date (DOF)/ EOBT (UTC)

Set the Date (DOF) & EOBT (UTC) of FUA allocation validity.



Note

The function is available when the "Custom" button is enabled.

The text box automatically contains the current date and 12:00 AM.

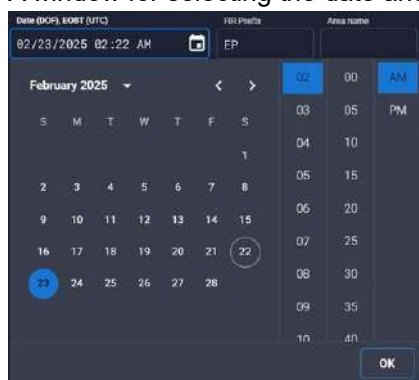
To edit the value:

- A. Click on the relevant part of the data and change it using the keyboard.



- B. Click on the  icon.

A window for selecting the date and time will appear.



Click on the desired date and time value.

Confirm your selection with the OK button.

4. FIR prefix

Enter an ICAO prefix of the FIR.

Only messages related to the selected FIR will be listed in the message list.



Note

The EP FIR is pre-selected by default.

5. Area

Enter the name or identifier of Temporary Area.

To search for a particular area, you may enter a partial string starting from the first character.

Only ASM messages related to airspaces starting with this string will be displayed in the message list.

6. Lower/Upper Level (FL)

Enter FL band (specified by lower and upper FL values) of flights within Temporary Areas, ASM messages of which you want to be listed in Result section.

Message filtering by FL will be applied upon pressing APPLY button.

Selection options in drop-down lists:

- none
- m - Altitude in meters
- ft - Altitude in feet
- F - Flight level, expressed as "F" followed by three numbers (e.g., F055 means FL 055)
- GND - Ground (for "Altitude From" only)
- UNL - unlimited altitude (for "Altitude To" only)

7. Cat FUA/ eFUA

Switch to enable  / disable  displaying ASM messages in the message list by FUA type:

Cat FUA ASM messages on flexible airspace allocation over EPWW FIR (FUA Poland) received from CAT

Note

The "Cat FUA" switch is predefined (default) as enable.

eFUA ASM messages on flexible airspace allocation over European countries (FUA Europe) received from NM B2B

8. Active/ Planned/ Published/ Finished FUA

Switch to enable  / disable  displaying ASM messages in a message list by the status of the FUA space:

- Active FUA

- Planned FUA
- Published FUA

- Finished FUA

**Note**

The Activate FUA and Planned FUA switches are pre-selected by default.

9. RESET

Click on the RESET button to clear the filter.

All available ASM messages will be displayed in the list.

10. APPLY

Click on the APPLY button to apply the set filter to the message list.

Only ASM messages that match the set filter parameters will be displayed in the message list.

11. Text filter

Text box, placed above the message list, serves as "search-as-you-type" text filter enabling to include, into the list only messages containing a specified string of characters.

This filtering method is based on suggesting the search results while typing letters, i.e. the list is automatically adjusted after each typed letter.

**Note**

If no message satisfying specified filtering criteria is available, "Nothing found" will be indicated in the message list.

12. Select all

Switch to enable ☒ / disable ☐ selection (marking) of all messages in the list.

Count of selected/marked messages

Next to the "Select All" switch, an **S/T** indication will appear, where:

- **S** - count of currently selected/marked messages in the list.
- **T** - the count of all messages currently displayed in the list.

13. EXPORT TO PDF

Click the EXPORT TO PDF button to export the messages that are currently selected/highlighted in the list to a *.pdf file.

Select (mark) one message

Click on a row of ASM message list to select (mark) this message or to cancel the selection (marking).

By selecting/highlighting a message, the display in the map window is centered and zoomed in on the relevant temporary area to which the message relates.

Select (mark) multiple messages

To select/mark multiple messages, click on the desired messages in the list one by one.

Select all messages

Enable  the Select all switch to select/mark all messages in the list.

Count of selected/marked messages

Next to the "Select All" switch, an **S/T** indication will appear, where:

- **S** - count of currently selected/marked messages in the list.
- **T** - the count of all messages currently displayed in the list.

14. Message List

The section contains a list of ASM messages satisfying filtering criteria as specified in the Filters section.

After opening the FUA window, this section displays all messages according to pre-set (default) filter settings.

Content of ASM Message:

eFUA (FUA Europe) - Each row of Result List contains one ASM message of the following content:

- Airspace Designator; Identifier of a temporary allocated airspace to which the ASM message relates
- **"eFUA"** indicator showing that the message is received from NM B2B and it relates to airspace over the European territory (FUA Europe)
- Start and End Date/Time (UTC) of activation of airspace reservation
- Lower/Upper FL (FL Band)
- Status - (Airspace Reservation Phase) by which ASM messages are color-coded in the list.

The color is set in the application configuration.

Cat FUA (FUA Poland) - Each row of Result List contains one ASM message of the following content:

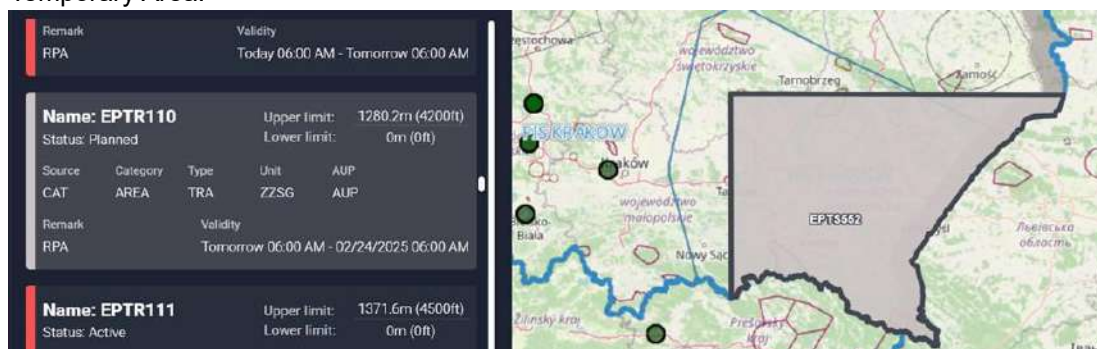
- Airspace Designator; Identifier of a temporary allocated airspace to which the ASM message relates
- **CAT** indicator showing that the ASM message is received from CAT
- Start and End Date/Time (UTC) of activation of airspace reservation
- Status - (Airspace Reservation Phase) by which ASM messages are color-coded in the list.

The color is set in the application configuration.

- Cat. - Category of airspace structure (e.g. AREA, ROUTE, etc.)
- Type - Type of flexible airspace structure (e.g. TSA, TRA, etc.)
- Height - Lower/Upper FL (FL band)
- Unit - The organization utilizing temporary reserved airspace when activated
- A type of flight activity in the reserved airspace

View Temporary Area on Map

Click on a row of ASM message list to zoom the map view into the AMS message-related Temporary Area.



3.8.7. ATFM

Activation options:

- To open/close the **ATFM Messages** window (see the following figure) to view AIM and ANM messages, **click on the ATFM** item in the **Briefing** submenu in the main menu of the PANSА application.

Note

For description of the main menu see 3.2 (page 22).

ATFM Messages window enables to view a list of available AIM messages and ANM (Regulations) messages notifying of ATFCM regulations retrieved under specified filtering criteria.

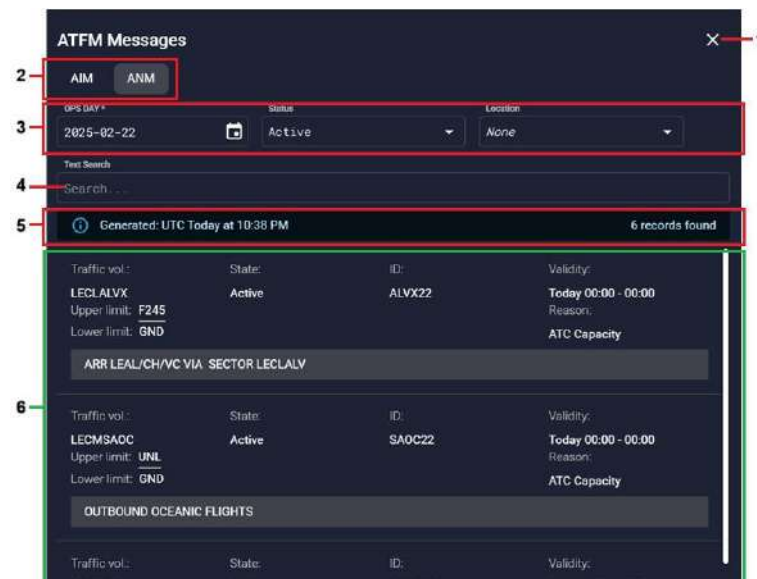


Figure 3.61. ATFM Messages window

Legend:

1. Click on the  button to close the window.
2. **AIM/ ANM**

Click the selected toggle button to enable the display of the relevant ATFM messages type.

Available options:

AIM AIM messages will be displayed, according to the currently set message filter.

Note

The Today toggle button is pre-selected by default.

ANM ANM (Regulations) messages will be displayed, according to the currently set message filter.

3. Filter Bar

The section contains options for selecting the filtering criteria by which messages will be displayed.



Note

A present day is set for ANM filtering by Validity Date as a default.

In the case of ANM messages, active messages are displayed.

If no message satisfies your filtering criteria a string "Nothing found" is indicated in messages list.

Following filtering options are available:

OPS DAY * **Note**

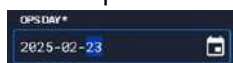
Mandatory filter parameter.

Entry/select the "Day of Operation", i.e. the date of an AIM/ANM validity.

The text box is automatically contains the current date.

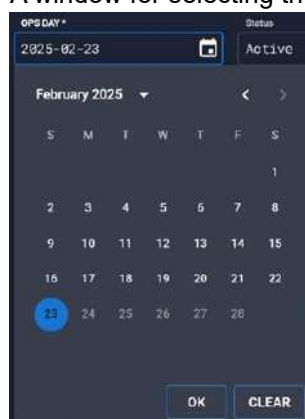
To edit the value:

- A. Click on the relevant part of the data and change it using the keyboard.



- B. Click on the  icon.

A window for selecting the date will appear.



Click on the desired date and time value.

The selected date is confirmed automatically and inserted into the OPS DAY * text field.

The message time filter setting can be canceled in the calendar window by pressing the "CLEAR" button.

Status **Note**

Available for ANM message list.

Select the message status from the drop-down list.

Only messages satisfying the selected "Status" filter will be listed in ANM message List.

Location **Note**

Available for ANM message list.

Select a ground/air object (e.g. aerodrome, airspace, etc.) for which the ANM message has been issued.

Only messages satisfying the selected "Location" filter will be listed in ANM message List.

4. Text Search

A text box for an entry of a text string by which the messages will be searched, retrieved and listed in message list.

Enter the string that you want the message to contain in the text field.

Only messages that contain the relevant string will be displayed in the message list.

If no message satisfies the Text Search filter a string "Nothing found" is shown instead.

**Note**

If no message satisfies the Text Search filter a string "Nothing found" is shown instead.

5. Generated

Indication of the date/day and time stamp (UTC) associated with the last request for update of messages contained in the message list.

N records found

Indication of an amount of messages currently contained in the list.

6. Message list

A list of AIM or ANM (Regulations) messages, displayed according to the filter settings.

**Note**

If no message satisfies the filter a string "Nothing found" is indicated in the list.

3.8.8. News List

Activation options:

- To open/close the **News** window (see the following figure) to display the list of newsletters:

- Click on the **News** item in the **Briefing** submenu in the main menu of the PANSÁ application, or
- Click on the  icon in the control panel of the PANSÁ application.

Note

For description of the main menu see 3.2 (page 22).

For description of the control panel see 3.3 (page 23).

News window enables to display the list of all active newsletters and newsletters in archive sent to the system by the FSC (ARO) user.



Figure 3.62. News window

Legend:

1. Display Setting Bar (see 3.10.8 (page 277))
2. News list (description below in this chapter)

Display settings of the News list

For a description of the features for list display setting, see 3.10 (page 265).

The News list is displayed in the form of a table. It contains all active and archived news.

To display only active news, turn on the **ONLY ACTIVE** switch in the display settings bar (see **3.10.8 (page 277)**).

To display only unread news, turn on the **ONLY UNREAD** switch in the display settings bar (see **3.10.8 (page 277)**).

**Note**

One row of the table

refers to one newsletter.

Active news items are distinguished from archived ones in the list by font color.

The color depends on the current application configuration.

Unread news items are marked in the list .

The columns contain the information about the newsletter (see the following table)

After logging into the application, the order of the news items in the list is predefined from top to bottom from the most recent to the oldest according to the date and time when the news item is active (columns "**From**"/"**Till**").

The set of columns displayed in the list is predefined as well. This sorting rule can be changed by the user as required (see **3.10.5 (page 269)**).

The columns can contain the following data:

Column name	Description
ID	The identification number automatically assigned to the news item.
From	The date from which the news item is active.
Till	The date until which the news is active.
Author	The username of the person who created the news item.
Importance	The importance of the news presented by the  indicator.

Subject	The subject of the news item, inserted when the news item is created/edited. Unread news is marked with an  in the Subject column. The number of unread messages is indicated by the  icon in the application control panel. Note <i>For description of the control panel see 3.3 (page 23).</i>
Attachment	News attachment. To download an attachment, click on its icon. The attachment is automatically saved to the <code>Downloads</code> directory in the home directory of the logged-in user.
Status	Current news status. <u>The meaning of the indication:</u>  Active news  Archived news

New selection

To select a news item in the list, **click on the row** of the selected news item in the list.

The row will expand to a window that contains the full text of the news item and the attachments associated with the news item, if available (see the following image).

After **clicking on the row of an unread news** (marked with an  in the "Subject" column, description above), it is considered **read**.

The number of unread news indicated on the  icon in the application control panel is adjusted accordingly.



Note

For description of the control panel see 3.3 (page 23).

To view the row in its original width, i.e. to close the news window, click on its title bar or on its closing  button.

Download the attachment

To **download the attachment** in the news window, **click on its file**.

The attachment is automatically saved to the `Downloads` directory in the home directory of the logged-in user.

3.9. Map

Click on the  /  button of the **Map** item in the main menu of the PANSAS application to expand/collapse a submenu for working with the display in the map window.



Note

Availability and ordering of the functionalities in the submenu depends on the current configuration.

The function is available just for specified types of users.

*For a description of the main menu, see **3.3 (page 23)**.*

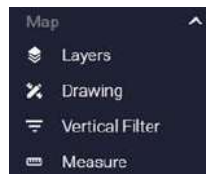


Figure 3.63. Map Submenu

The submenu may contain the following items:

Submenu Item	Description
 Layers Layers	Open/Close the Map Settings window to set layers to be displayed in map window. For a description of the Map Settings window see 3.9.1 (page 245).
 Drawing Drawing	Open/Close the "Map Drawing" window to activate drawing of a user-defined object in the map window according to the selected geometry. By opening the window the mouse cursor is automatically in LineString (polyline) drawing mode . By closing the window, the mouse cursor returns to standard mode . For a description of the Map Drawing window see 3.9.3 (page 252).
 Vertical Filter Vertical Filter	Open/Close the Vertical Filter window to set flight level filter of displayed AIS data. For a description of the Vertical Filter window see 3.9.2 (page 248).

 Measure	Open/Close the Measure window to activate the distance or area measurement in the map window and to display the measurement result.
Submenu Item	Description
Measure	By opening the window the mouse cursor is in DISTANCE measurement mode . By closing the window the mouse cursor returns to standard mode . For a description of the Measure window see 3.9.4 (page 260).

3.9.1. Layers

Activation options:	- To open/close the Map settingg window (see the following figure) to set layers to be displayed in map window, click on the Layers item in the Map submenu in the main menu of the IWB PILOT application. Note <i>For description of the main menu see 3.2 (page 22) .</i>
---------------------	--

Map settings window enables a setting of layers to be displayed in map window.

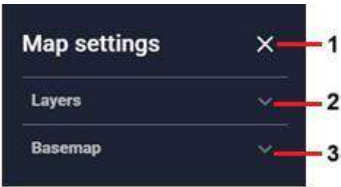


Figure 3.64. Map settings window

Legend:

1. Click on the  button to close the window.

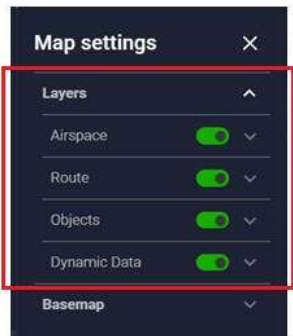
2. **Layers**

(The list of transparent layers of static and dynamic data)

To **expand/collapse** the list click on the  /  button.

To **show/hide** the layer in the map window enable  / disable  the switch of the layer.

The layers are thematically grouped into main layers (see the following figure and table below).



If you enable  / disable  the main layer, all layers grouped in main layer will also be automatically enabled  / disabled .

You can Show/Hide the desired combination of available layers you need to work with.

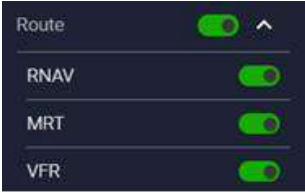


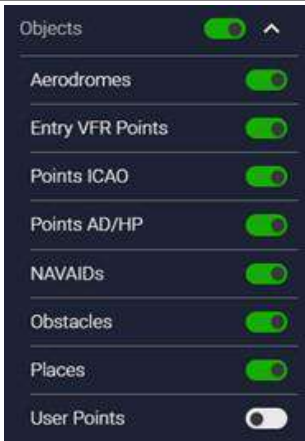
Note

Names of layers shown on below pictures need not correspond to the names shown on your screen as 'name' is a parameter configurable through configuration file.

A set of layers to be displayed in Layers Window can be configured through config file, as well.

A content of a layer may vary depending on data availability.

Main Layer	Description
Airspace	- Airspaces main layers contains layers of areas/airspace from the AIS DB. 
Route	- Routes main layer contains layers of VFR points and routes from the AIS DB. 
Objects	- This main layer contains layers of the objects from the AIS database and the "User Points" layer of user-defined points.

Main Layer	Description
	
Dynamic Data	- This main layer contains layers of the dynamic data. 

3. Basemap

(List of basemap layers)

To **expand/collapse** the list click on the  /  button.

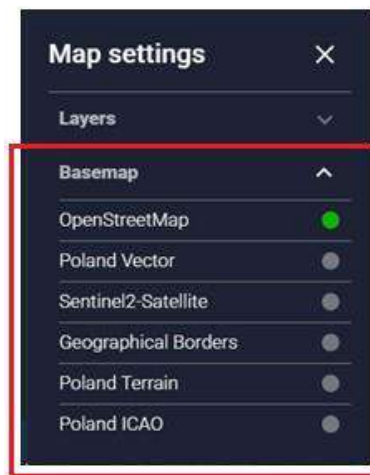


Note

One base map is always displayed in the map window.

To **enable**  display the desired basemap in the map window, click on its layer in the Basemap list.

The display of the previous basemap layer is now disable .



3.9.2. Vertical filter

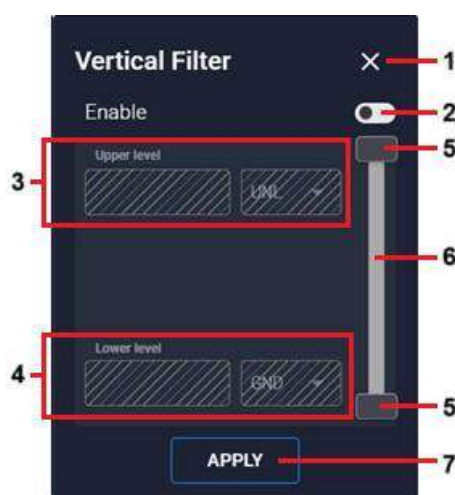
Activation options:

- To open/close the **Vertical Filter** window (see the following figure) to set the vertical filter of the AIS data, **click on the Vertical Filter** item in the **Map** submenu in the main menu of the PANSa application.

Note

For description of the main menu see 3.2 (page 22).

FL Filter window enables to set flight level (FL) filter for AIS data to be displayed within PANSa application.



Legend:

1. Click on the  button to close the window.

2. **Enable**

Click on the switch to enable  / disable  the vertical filter of displayed data:



Vertical Filter **on**.

Press the button to enable controls for an entry of vertical filtering criteria (see this legend).



Vertical Filter **off**.

The controls for adjusting the vertical filter are not active.

3. Upper level



Defining the **upper** limit FL of the vertical filter.



Important

To define/edit the vertical filter, **enable**  the **Enable** switch (Legend item 2).

To activate the text field (1) , select an item other than UNL from the drop-down list (2).

(1) FL value

Enter the upper limit of the FL range to define the vertical filter in the text box.

The FL value set by the upper slider (Legend item 5) is automatically inserted into this field.

(2) FL units or UNL

From the drop-down list, select the desired units for the FL value or UNL.

4. Lower level



Defining the **lower** limit FL of the vertical filter.

**Important**

To define/edit the vertical filter, **enable**  the **Enable** switch (Legend item 2).

To activate the text field (1) , select an item other than GND from the drop-down list (2).

(1) FL value

Enter the lower limit of the FL range to define the vertical filter in the text box.

The FL value set by the lower slider (Legend item 5) is automatically inserted into this field.

(2) FL units or GND

From the drop-down list, select the desired units for the FL value or GND.

5. Upper/Lower slider

Defining the **upper/lower** limit FL of the vertical filter by moving the slider.

**Important**

To use the slider:

- **enable**  the **Enable** switch (Legend item 2);
- in the section **Upper/Lower level** (Legend item 3/4) select an item **other than** UNL/GND in the drop-down list (2).

Procedure:

- a. Move the slider to the desired FL value to set the upper/lower limit of the vertical filter range.

The current FL value at which the slider is located is indicated in the slider tooltip. The value is displayed in the units selected in the drop-down list (2) of the **Upper/Lower level** section (Legend item 3/4).



- b. Release the mouse button (drop the slider).

The set FL value is entered into the text box (1) of the **Upper/Lower level** section (Legend item 3/4).

6. **FL Range Indicator**; to indicate adjusted FL range of the vertical filter.

7. Click the **APPLY** button to apply the current settings in the Vertical Filter window.

After clicking the APPLY button, one of the following steps will be performed:

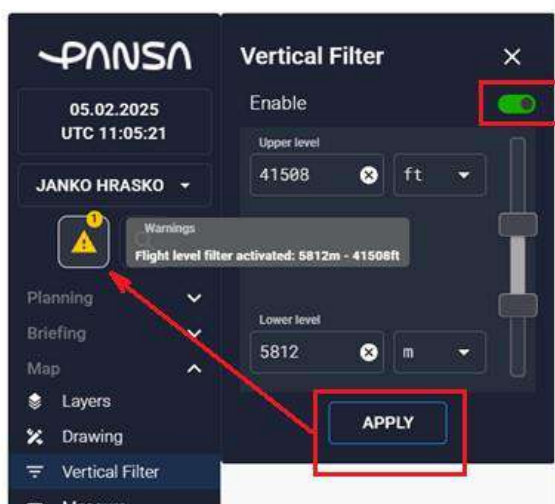
- A. If the **Enable** switch is **on** :

- Only data in the flight levels from the applied FL range (legend item 6) will be displayed in the map window.
- After clicking the **APPLY** button (Legend item 7), the indication of the enabled vertical filter is activated on the control panel in the data validity indicator.

The indicator warns that the data displayed in the application is filtered according to a vertical filter.

Note

For description of the main menu see 3.3 (page 23).



B. If the **Enable** switch is **off** :

- Data for all flight levels will be displayed in the map window.

The data is not filtered by the vertical filter.

- The indication of the enabled vertical filter is deactivated on the control panel in the data validity indicator (if the filter was previously on).

Note

For description of the main menu see 3.3 (page 23).

3.9.3. Drawing

Activation options:	- To open/close the Map Drawing window (see the following figure) to draw a userdefined object in the map window based on the selected geometry, click on the Drawing item in the Map submenu in the main menu of the IWB PILOT application. Note <i>For description of the main menu see 3.2 (page 22).</i>
	- The mouse cursor is in mode for object/area drawing (plotting) in the map window. The poly-line (LineString) drawing is activated,  icon is ON.
Cancel draw mode	- To cancel draw mode, click on the Clear button in the Map Drawing window. The default mode is activated for the mouse cursor .

Map Drawing window enables to choose, from a menu of plane geometry shapes an option by use of which you can draw (plot) objects/areas in the map window. The Map Drawing window displays data about the drawn object.

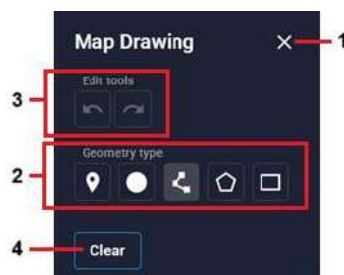


Figure 3.65. Sample of the Map Drawing window (no drawn object)

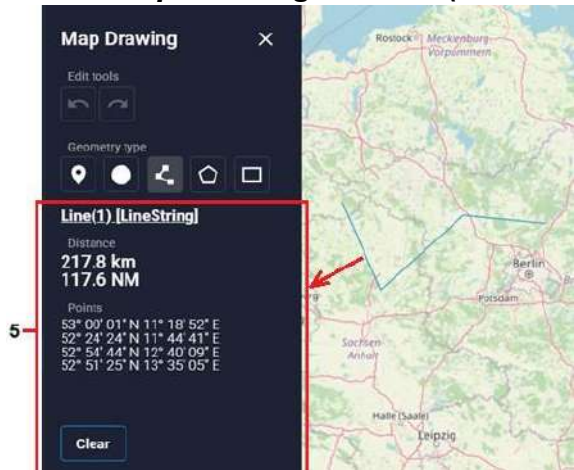


Figure 3.66. Sample of the Map Drawing window (with drawn object)

Legend:

1. Click on the  button to close the window.

2. Geometry type

(Drawing Tool Bar)

To draw an object of a given geometry in the map window, **click on the respective icon**, see the following table.

The mouse cursor is in object drawing mode  for the selected geometry.

Icon	Geometry type
	- Point
	- Circle
	- Poly-line (LineString)
	- Polygon
	- Rectangle

Draw technique will be described under this legend.

3. Edit tools

(Drawing Control Bar)

Note

The functions are available while drawing a poly-line (LineString) or polygon.

Icon	Description
	- Restore the last editing action
	- Reverse the last editing action

- Click on the **CLEAR** button to erase drawn objects.

After clicking the CLEAR button:

- the drawn objects are deleted from the map window,
- the pane with the data of the drawn objects is hidden in the Map Drawing window (5).

5. Drawing Object Data

The pane displays the following data about the drawn objects:

Object Name [Geometry Type]

Points - geographical coordinates of the object points

Distance - total length

Note

"Distance" is displayed for poly-line (LineString).

1st row - total length in [km];

2nd row - total length in [NM];

Area - total length

Note

"Area" is displayed for circle, polygon, and rectangle.

1st row - area size in [km²]; **2nd**

row - area size in [ft²].

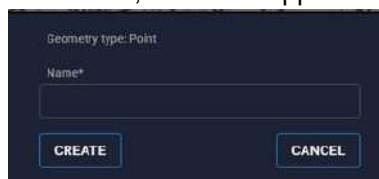
Draw Techniques to create 2D shapes

Point

1. Click on the  icon in the "Map Drawing" window.

The mouse cursor is in point insertion mode .

2. Single click in a map window to locate a point.
3. As a result, a window appears for an entry of the point's name.



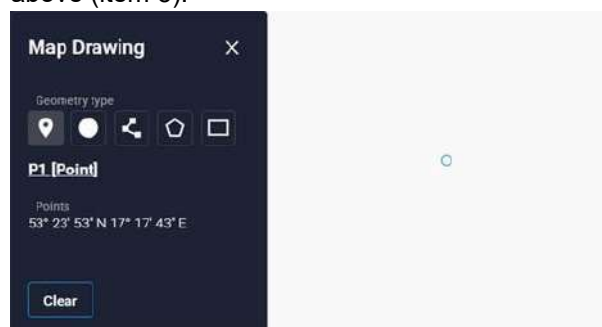
A dark-themed dialog box titled "Geometry type: Point". It contains a text input field labeled "Name*" with a red asterisk indicating it is required. Below the input field are two buttons: "CREATE" and "CANCEL".

Enter the name of the point in the required text field "Name*". A.

To cancel the point, click on the **CANCEL** button.

B. To confirm the point, click on the **CREATE** button:

- The point will remain displayed in the map window.
- A pane with the point's data will be show in the Map Drawing window, see legend above (item 5).



Circle

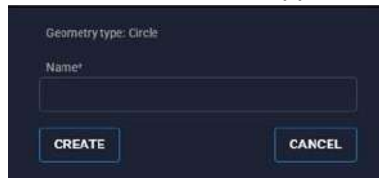
1. Click on the  icon in the "Map Drawing" window.

The mouse cursor is in circle drawing mode .

2. Single click in a map window to locate the center of the circle.
3. Determine the radius (size) of the circle.

Move the mouse cursor to the desired distance from its center and click at that position.

4. As a result, a window appears for an entry of the circle's name.

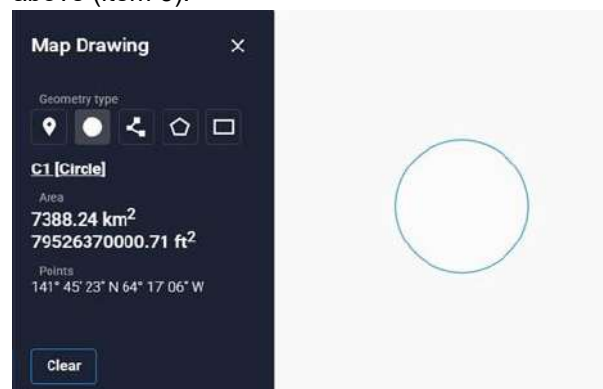


Enter the name of the circle in the required text field "Name*".

A. To cancel the creation of a circle, click on the **CANCEL** button.

B. To create the circle, click on the **CREATE** button:

- The drawn circle will remain displayed in the map window.
- A pane with circle's data will be show in the Map Drawing window, see legend above (item 5).



Poly-line (LineString)

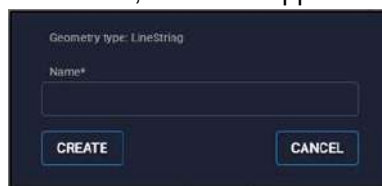
1. Click on the  icon in the "Map Drawing" window.

The mouse cursor is in poly-line drawing mode .

2. Click in a map window a succession of points representing vertices of poly-line you want to create.

To edit an poly-line while drawing it, use the icons in the pane (3).

3. **Double-click** the final point to **finish** the object drawing.
4. As a result, a window appears for an entry of the poly-line's name.

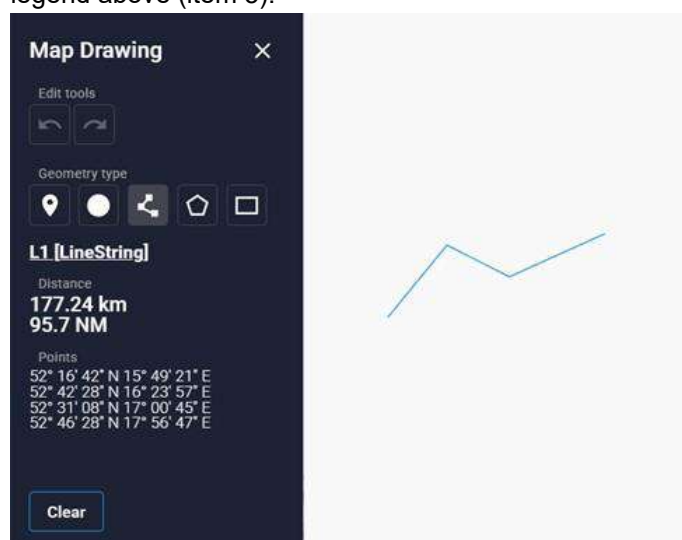


Enter the name of the poly-line in the required text field "Name*". A.

To cancel the poly-line, click on the **CANCEL** button.

B. To confirm the poly-line, click on the **CREATE** button:

- The drawn poly-line will remain displayed in the map window.
- A pane with the poly-line's data will be show in the Map Drawing window, see legend above (item 5).



Polygon

1. Click on the  icon in the "Map Drawing" window.
The mouse cursor is in polygon drawing mode .
2. Click in a map window a succession of points representing vertices of polygon you want to create.

To edit an polygon while drawing it, use the icons in the pane (3).

3. Use one of the following options:

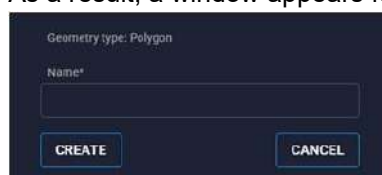
- A. If the last point IS NOT identical to its first point of the polygon drawing, to end the drawing use **double-click** at the last point.

A line connecting the first and last point is automatically created and the polygon is closed.

- B. If the last point IS identical to its first point of the polygon drawing, to end the drawing use **click** at this point.

The polygon is closed.

4. As a result, a window appears for an entry of the polygon's name.

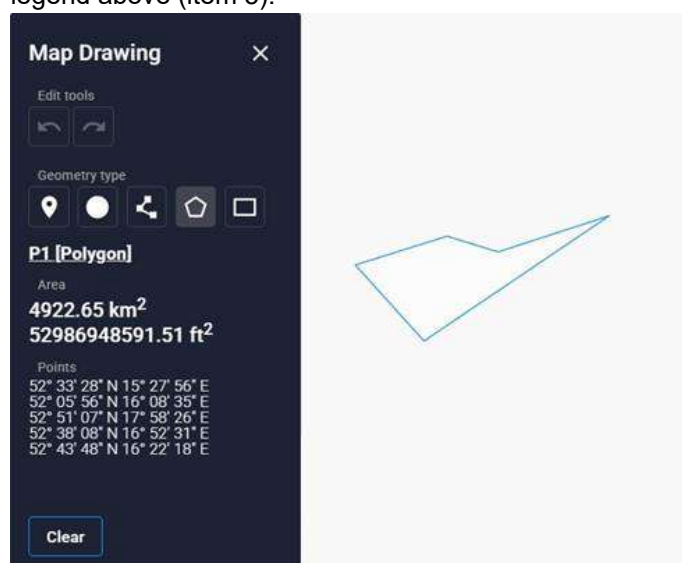


Enter the name of the polygon in the required text field "Name*". A.

To cancel the polygon, click on the **CANCEL** button.

B. To confirm the polygon, click on the **CREATE** button:

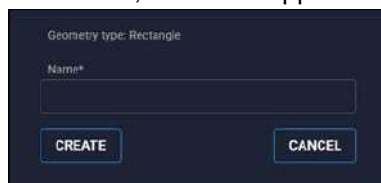
- The drawn polygon will remain displayed in the map window.
- A pane with the polygon's data will be show in the Map Drawing window, see legend above (item 5).



Rectangle

1. Click on the  icon in the "Map Drawing" window.
The mouse cursor is in polygon drawing mode .
2. Click in the map window to determine the **upper left corner** of the rectangle.
3. Determine the height and width (size) of the rectangle.
Move the mouse cursor to the desired **lower right corner** of the rectangle and click at that point.

4. As a result, a window appears for an entry of the rectangle's name.

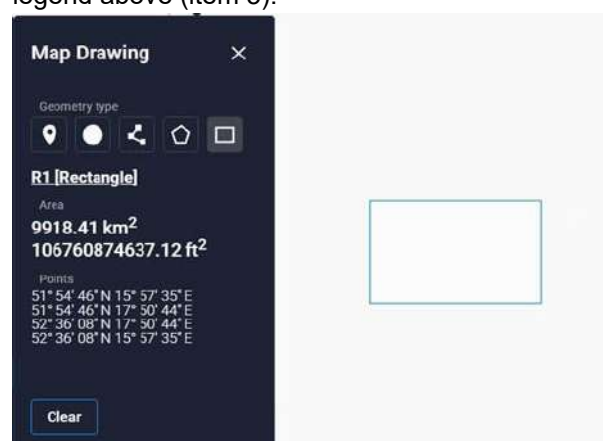


Enter the name of the rectangle in the required text field "Name*". A.

To cancel the rectangle, click on the **CANCEL** button.

B. To confirm the rectangle, click on the **CREATE** button:

- The drawn rectangle will remain displayed in the map window,
- A pane with rectangle's data will be show in the Map Drawing window, see legend above (item 5).



3.9.4. Measure

Activation options:	To open/close the Measure window (see the following figure) to measure distance or area size, click on the Measure item in the Map submenu in the main menu of the PANSA application. Note <i>For description of the main menu see 3.2 (page 22).</i>
	- The mouse cursor is in distance/area size measurement mode. (A measurement line/polygon drawing mode) The distance measurement is automatically activated, the DISTANCE button is ON.
Cancel measure mode	- Use one of the following options: A. Click on the CLEAR button in the Measure window, or B. Click on the  button to close the Measure window, or C. Click on the Measure item in the Map submenu in the main menu. Note <i>For description of the main menu see 3.2 (page 22).</i> The default mode is activated for the mouse cursor .

Measure window enables to select the distance or area measurement in the map window and to display the measurement result.



Figure 3.67. Sample of the Measure window (no Measured Values)

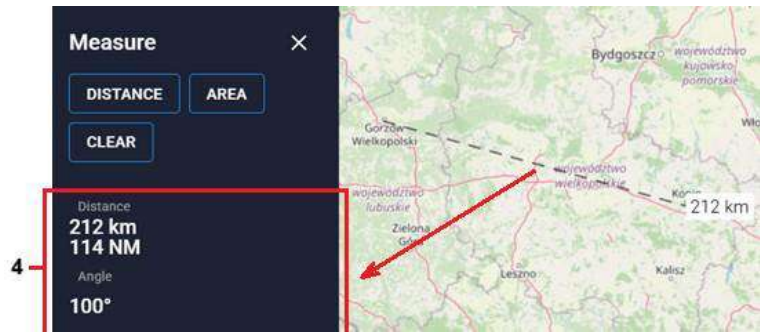


Figure 3.68. Sample of the Measure window (with Measured Values)
Legend:

1. Click on the  button to close the window.
2. Measurement mode selection buttons:

Button	Description
DISTANCE	Click on the DISTANCE button to measure the distance on the map. Mouse cursor will switch to drawing line/poly-line of distance measurement mode. Measurement technique will be described below.
AREA	Click on the AREA button to measure the area size on the map. Mouse cursor will switch to drawing polygon area measurement mode. Measurement technique will be described below.



Note

DISTANCE measurement is selected as the default.

3. Click on the **CLEAR** button to erase the measurement.

After clicking the CLEAR button:

- the measured distance is displayed at the last measurement point, • the pane with the measured values is hidden in the Measure window.
- the default mode is activated for the mouse cursor.

4. Measured Values

The pane displays the result of the current measurement.

DISTANCE measurement

The result contains the following values:

1st row - total length in [km];

2nd row - total length in [NM];

3rd row - the angle in [°] referring to the last line segment.

AREA size measurement

The result contains the following values:

1st row - area size in [km²]; **2nd**

row - area size in [ft²].

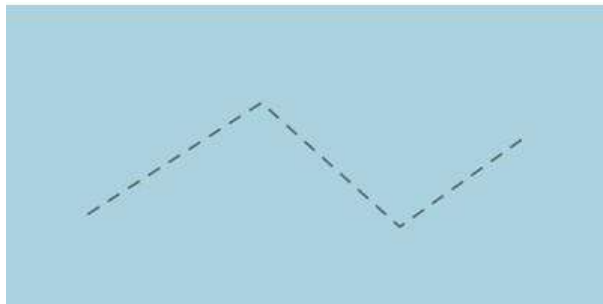
Distance measuring Technique



Note

For a description of the Information window, see 3.9.1 (page 245).

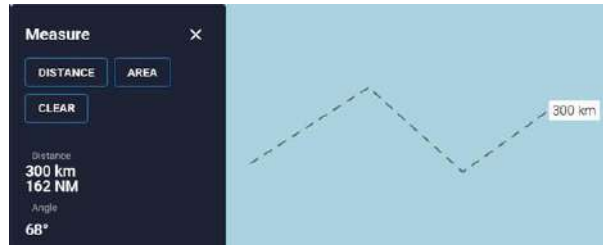
1. **Pick (by clicking), in a map window** a spot to locate first point of measuring distance/angle and then continue picking/tapping next measuring points while plotting a line/poly-line.



2. **Double-click** on the final point **to finish** your measurement

When the measurement is finished:

- the measured distance is displayed at the last measurement point,
- a pane with the measured values values will be show in the Measure window, see legend above (item 4).



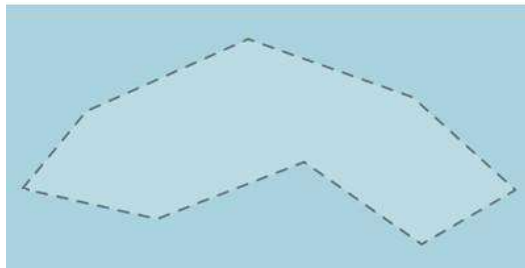
Warning

Every next measurement discards the previous one.

Area size measuring Technique

1. **Pick (by clicking), in a map window** a spot to locate first point of measuring polygon area.

Then continue picking/clicking next measuring points while plotting a polygonal area.



2. **Double-click** on the final point **to finish** your measurement

When the measurement is finished:

- the measured area size is displayed at the 1st point of the created polygon,
- a pane with the measured values will be show in the Measure window, see legend above (4).



Warning

Every next measurement discards the previous one.

3.10. List display settings

This description applies to a list that is displayed in table form.

The list items are listed in the table rows and the item parameters are listed in the table columns.

For a description of the features for list display setting:

- Pagination, see **the section called “List Pagination” (page 208)**
- Row Sorting, see **3.10.2 (page 267)**
- Column Order, see **3.10.3 (page 267)**
- Column Width, see **3.10.4 (page 268)**
- Show/Hide Column, see **3.10.5 (page 269)**
- Context menu of the column, see **3.10.6 (page 271)**
- Multi-filter, see **3.10.7 (page 274)**
- Display Setting Bar, see **3.10.8 (page 277)**



Important

The particular feature is available for the respective list depending on the application configuration..



Warning

3.10.1. List

User settings of the list display are **CANCELED** by:

- Restart** the application;
- Activating another function** from the application's main menu.

If you display the respective list again, it is automatically displayed according to the default settings from the application configuration.

The desired list display must be set again.

Pagination

Pagination is the automatic division of a list into individual pages according to the number of rows.

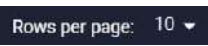
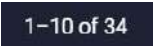
The predefined pagination setting, location, set of controls and availability for the respective list depends on the current application configuration.

You can change the pagination settings while you are working with a given list.



Figure 3.69. Examples of the controls for list paging

Description of control elements:

Control Element	Description
	Drop-down list to set the maximum number of rows per page. • 5 • 10 • 15 • 25 The predefined or currently selected number is displayed. Click on the numeric value to display the menu and select a value.
	Information about the range of currently visible rows out of total number.
	Buttons to scroll on each page of the list:  Forward  Backward Note <i>The button is active if scrolling forward/backward is possible.</i>

3.10.2. Row Sorting

The predefined sorting of rows in the list depends on the application configuration.

You can manually change this sorting while you are working with the list.

**Note**

You can sorting of rows by the values of the selected list column (if available).

To manually sorting of rows:

1. Hover over the heading of the column in the respective list by which you want to sorting of rows.

The mouse cursor changes to  (hand).

2. **Click on the column name or the  /  icon** in the column header.

The sorting of the rows in the list is adjusted according by data of the respective column in ascending/descending order;.

The meaning of the icon:



- sort by column data in **ascending** order



- sort by column data in **descending** order

3.10.3. Column Order

The predefined order of columns in the list depends on the application configuration.

You can manually change this order while you are working with the list.

To manually move a column:

1. Hover over the heading of the column in the respective list.

The mouse cursor changes to  (hand).

2. **Drag and drop** the column to the desired position in the column list by left/right (if possible).

The application suggests possible column locations as you move.

ATYP	ADEP	EOBT
C172	LZJS	250218 12:25
C172	LZJS	250218 12:36

ATYP	EOBT ↑	ADEP
C172	250218 12:25	ADEP ↑ LZJS
C172	250218 12:36	LZJS

Figure 3.70. Example of manually moving a list column

3.10.4. Column Width

The predefined column width in the list depends on the application configuration.
You can manually change this width while you are working with the list.

To manually re-size column width:

- 1. To change the width of a column, point the mouse cursor over a right border of the column header cell so that the mouse cursor icon changes to
- 2. **Drag and drop it** to the left or right to increase/decrease the size of the column as needed or as far as possible (see the following figure).

E...	CTOT
250218 1...	

EOBT	CTOT
250218 12:25	

Figure 3.71. Example of manually changing column widthx

3.10.5. Show/Hide Column

To display a window to show/hide the columns in the list:

- A. Click on the **COLUMNS** button in the bar above the list (if available).

Note

The availability of the list bar and the "COLUMNS" button depends on the configuration of the respective list.

B. Click on the **Manage columns** item in the context menu of the list column (if available).

Note

For a description of the bar above the list, see 3.10.8 (page 277).

For a description of the context menu, see 3.10.6 (page 271).

Description of control elements:

Control Element	Description
Find column	Text field to enter a string of characters to quick search for a column in the displayed list (described later in this table). Enter the string of characters from the column name you are looking for into the field. The column list is dynamically reduced to only those columns whose names contain the entered string. 
	The menu of the columns the list may contain. The menu is used to select the columns to be displayed in the list.
Control Element	Description

	Note <i>The menu content depends on the current configuration of the application.</i> To show/hide the column in the list, click on the respective column name in the menu. <u>To the left of the column name is an indication of whether the column is shown/hidden in the list:</u>  Shown  Hidden  Always shown
HIDE ALL	Hides all columns at once.
SHOW ALL	Shows all columns at once.

Applying settings

The filter settings are applied immediately (without confirmation) on the relevant list.

3.10.6. Context menu of the column

The context menu of the column contains items allow you to set the list display according to the values of the respective column.

To display the context menu of the list column:

1. Hover over the heading of the column in the respective list.

An context menu icon  will appear to the right of the respective column name.

2. **Click on the**  **to display the context menu of the respective column** (see the following figure).

The context menu items are described in the table below.

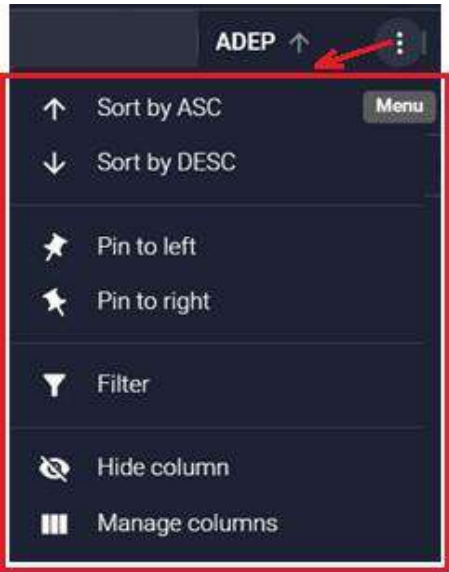


Figure 3.72. Context menu of the list column

Next to the column name, icons are displayed to indicate the functionalities currently enabled to set the display according to the respective column.

By clicking on the icon, you can change/edit the setting according to the respective column.



Figure 3.73. Indication of enabled functionalities for the respective column



Important

*A setting made using the context menu from one column of the list will override previous settings made in another column of the list, or a setting made from the bar above the list (as described above). This does not apply to the **Hide column** functionality and the **Manage Columns** functionality.*

The context menu may contain the following items:

Menu item	Description
-----------	-------------

Sort by ASC	Enables the sorting of rows in ascending order according to the values of the respective column. Enabled functionality is indicated by the icon . By clicking on the icon, the row sorting is automatically changed to descending. Note <i>To quickly switch on ascending/descending sorting of rows by the respective column, click on its name in the list header.</i> <i>With further clicks you will cyclically change the sorting from ascending to descending and vice versa.</i>
Sort by DESC	Enables the sorting of rows in descending order according to the values of the respective column. Enabled functionality is indicated by the icon . By clicking on the icon, the row sorting is automatically changed to ascending. Note <i>To quickly switch on ascending/descending sorting of rows by the respective column, click on its name in the list header.</i> <i>With further clicks you will cyclically change the sorting from ascending to descending and vice versa.</i>
Unsort	Note <i>The item is available if ASCending or DESCending sorting of rows (described above) is enabled in the respective column.</i> Disables ascending/descending sorting of rows according to the values of the corresponding column.

Menu item	Description

Pin to left	Pins the respective column to the left edge of the window. Note <i>When scrolling horizontally between columns, it remains in place and above the other columns.</i> <i>Pinning additional columns will display the columns at the left edge in the order in which they were pinned (first one pinned to the far left).</i>
Pin to right	Pins the respective column to the right edge of the window. Note <i>When scrolling horizontally between columns, it remains in place and above the other columns.</i> <i>Pinning additional columns will display the columns at the right edge in the order in which they were pinned (first one pinned to the far right).</i>
Unpin	Unpins the respective column pinned to the left/right edge of the window. The column returns to its original position.
Filter	Displays a window for setting the multi-filter of the proposals in the list according to the values in the respective column, see 3.10.7 (page 274). Enabled functionality is indicated by the icon . By clicking on the icon, a window for modification/setting of the multi-filter is displayed.
Hide column	Hides the display of the corresponding column in the list.
Manage columns	Opens a window which allows you to display/hide the selected column in the list see 3.10.5 (page 269).

3.10.7. Multi-filter

A Multi-filter is a compound multiple filter of items in a list. It consists of one or more conditions connected using the logical operator AND/OR. The filter condition consists of a parameter (i.e. a list column), its value, and a conditional operator between them (e.g. equals, contains, is any of, etc.).

To display the Multi-filter setting window of the list:

A. **Click on the FILTERS** button in the bar above the list (if available).

The Multi-filter setting window of the respective list will display (see example in the following figure). A row is automatically added to the Multi-filter to define the first filter condition **based on the first column** of the list.

Note

For some lists (e.g. FPL List), clicking the FILTERS button will display the list-specific filter settings window (e.g. "Filter Settings", see 3.7.2.3 (page 122)) rather than the Multifilter window.

*For such a list, the conditions set in its specific filter are automatically connected by the logical operator **AND** to the conditions set in its Multi-filter.*

- B. **Click on the Filter item** in the context menu of the desired list column (if available).

The Multi-filter setting window of the respective list will display (see example in the following figure). A row is automatically added to the Multi-filter to define the first filter condition **based on the respective column** of the list.

- C. **Click on the  icon** next to the name of the column on which at least one the Multi-filter active condition is based (if available).

The Multi-filter setting window of the respective list will display (see example in the following figure). The window contains the current Multi-filter settings, which you can edit or cancel.



Note

For a description of the bar, see 3.10.8 (page 277).

For a description of the column context menu, see 3.10.6 (page 271).

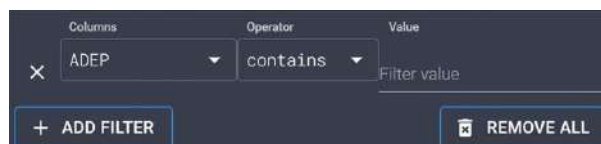


Figure 3.74. Example of the Multi-filter setting window

Description of control elements:

Control Element	Description
-----------------	-------------

ADD FILTER	Button to add another Multi-filter condition/row. 
And/Or	Drop-down list for selecting a logical operator between Multi-filter conditions. The first option from the drop-down list is automatically selected.
Columns	The drop-down list for selecting the column by which the list should be filtered, i.e. it is a selection of the filtering parameter. By default, the selection is set to the column from which the filter setting window was activated.
Operator	Drop-down list for selecting a conditional operator between a parameter and a filter value. The first option from the drop-down list is automatically selected.
REMOVE ALL	Button to cancel the multi-filter setting according to the respective column of the list. Warning <i>Your multi-filter settings based on the respective column will be lost.</i>
Value	Text field for inserting the value of the respective parameter according to the selected conditional operator.
	The button to remove a respective Multi-filter condition/row.
Control Element	Description
	Warning <i>Your setting for the respective condition will be lost.</i>

Applying and indicating an active multi-filter

The Multi-filter settings are applied immediately (without confirmation) on the relevant list.



Important

The currently applied Multi-filter setting will discard the previous Multi-filter setting regardless whether if the setting was applied from the bar above the list of users or from the context menu of one of the columns of the list.

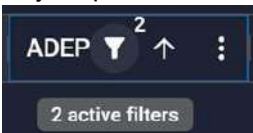
Activated Multi-filter is indicated by an icon:

 - next to the name of the column on which at least one the Multi-filter active condition is based;

Click on the  icon to edit the Multi-filter settings.

If more than one active condition is defined in the multi-filter, their number will be displayed above the icon (see the following figure).

Hover the mouse cursor over the  icon to display a tooltip with information about the active multi-filter conditions based by respective column.



3.10.8. Display setting bar

Setting the display of the list is predefined in the application configuration.

The controls in the bar above the list (following image) are used to change this setting.

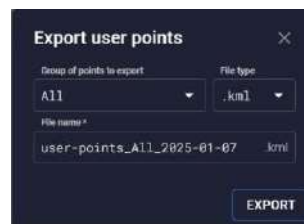


Figure 3.75. Examples of Display Setting Bar

The bar can contains the following controls:

Control Element	List	Description
	User Points	The button to to add new point in use-points database, see 3.7.5.1 (page 178) . Important <i>Database capacity is limited to 200 points as a maximum</i>

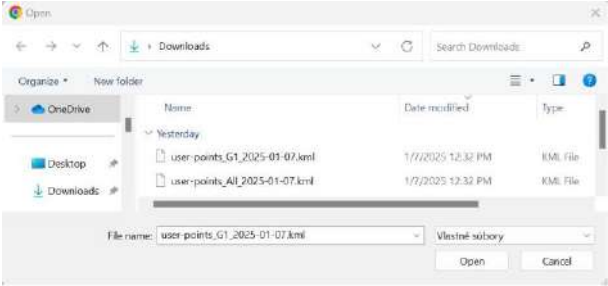
DENSITY	News	The button to enable/disable the submenu to set the row density of the list: • Compact - highest density • Standard - medium density • Comfortable - lowest density The currently set option is distinguished in the menu by the color of the background.
EXPORT	User Points	Button to export the current database of user-defined points to *.kml/kmz/csv file. Note <i>For a description of the database of user-defined points, see 3.7.5.1 (page 178) .</i> Important <i>Database capacity is limited to 200 points as a maximum</i>

Control Element	List	Description		
		Click on the "EXPORT" button to display the Export user points window.  Important <i>Mandatory field is marked with a * (star).</i>		
		<table><tr><th>Control Element</th><th>Description</th></tr></table>	Control Element	Description
Control Element	Description			

			Group of points to export In the drop-down list, select the defined group from the user-defined points database that you want to export. To export all points from the current user point database, select the All group.
			File type In the drop-down list, select the file format for export: • kml • kmz • csv
			File name* The text field contains a predefined file name format for the export, which you can edit. Predefined format: Format contains: • user-points - export object • group name - name of the exported point group • YYYY-MM-DD - export date
			EXPORT Click the EXPORT button to export the selected group of points to a file in the selected format and with the selected name.

Control Element	List	Description	
		Control Element 	Description
			The file is automatically saved to the Downloads directory in the home directory of the logged-in user. The exported file stores the name of the point and the geographical coordinates of the point's location.

FILTER	FPL List	The button to open the Filter Settings window, which is intended for setting the specific filter of flight plans in the FPL list according to the relevant criteria. Note <i>For a description of the Filter Settings window, see 3.7.2.3 (page 122) .</i> The enabled criterion of the saved filter is presented by the respective indicator in the bar for setting the display of the FPL list (see the following figure - example).  Disable filter criteria To disable a criterion in the filter, click on the close button  /  of its indicator, or uncheck it in the Filter Settings window.
Fulltext search	FPL List	Insert the desired string of characters to search for flight plans in the FPL list. By inserting the required string, only those FPLs with parameters (i.e. the values listed in the individual columns of the list) matching the current string are dynamically searched for and displayed in the FPL list.
	User Points	Button to import points from a selected *.kml/kmz/csv file into the user-defined points database. Note <i>For a description of the database of user-defined points, see 3.7.5.1 (page 178) .</i>
Control Element	List	Description

		Important Database capacity is limited to 200 points as a maximum Click on the IMPORT button to display the standard system window for searching and opening the selected file into the application.  Select the file to import and click the Open button to open it in the application. The points from the file are added to the points list in the User Points window. For the imported point, the Remark column displays the information from which file it was imported (eg Imported from user-points_G1_2025-01-07.kml). Note For a description of the User Points window, see 3.7.5.1 (page 178) .
ONLY ACTIVE	News	The toggle button to show  /hide  only active newsletters in the list.
ONLY UNREAD	News	The toggle button to show  /hide  only unread newsletters in the list.