PANSA
Polish Air Navigation Services Agency

User manual
IWB Mobile app
for VFR flights

IWB System

Version: V0.06

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Change log

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4.2.2025	V0.06	Add new chapter	R-SYS s.r.o.

Content

1 Scope and purpose

The documentation for the Mobile Application (hereinafter only "APP") describes the relevant user documentation of the final solution of the IWB System project (hereinafter only "IWB System") for:

- iOS version: 17.1
- Android version: 14+

The content and individual parts of the APP documentation can be addressed in the form of separate attachments or by reference to separate documents.

The document primarily focuses on the description of functionalities supporting the control of the APP within the use of the application. The document – User manual – contains use cases. It does not serve as a basis for testing and does not contain all the test scenarios that may arise from APP use.
Screens in the user manual may differ slightly from the current version of the application.

1.1 List of abbreviations

Abbreviation	Description
APP / App / app	Application
CTA	Call to action
DEV	Development environment
PROD	Production environment
TEST	Test environment

2 Downloading and onboarding the application

Chapter contains instructions for logging into the application and individual mandatory steps that the user must perform in order to be able to use the application and make it fully functional.

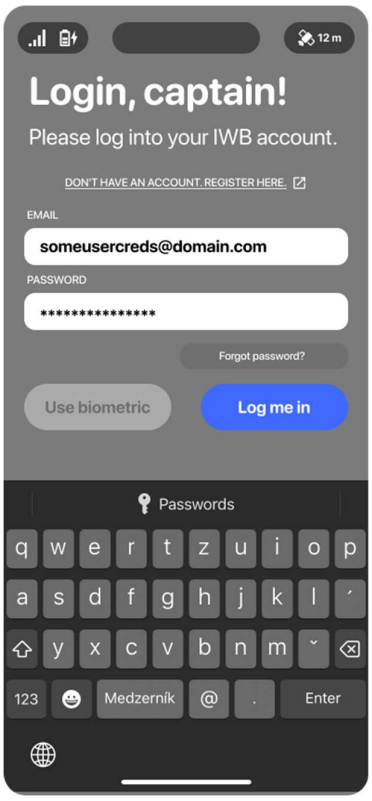
2.1 Download application

Description	User must be able to download apps. Download the application from App Store distribution (iOS platform) or Google play (Android platform).
Use case	User wants to download the APP and start using it.

Notice: It is necessary to allow to track user location while using app! The aim of the application is to give the user information about their own position, to display it on the map. Thanks to the ability to track the position, it is possible to perform calculations related to the flight of the pilot. The functionality of the application is conditioned by the possibility of tracking the user's position.

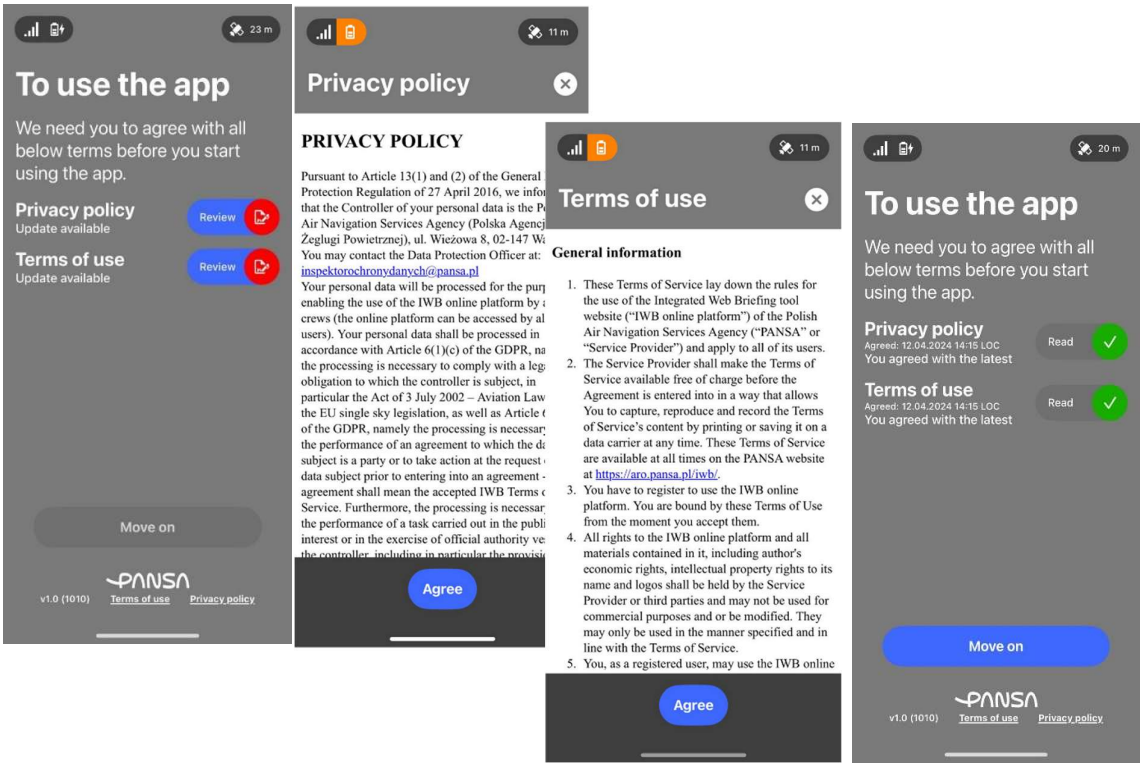
2.2 Login to the application

Description	First login or next login after extended period of time to the application.
Use case	User wants to download the application and start using it, or user wants to open the application and log in.
User interaction - System response	U: User opens Application. S: Application will ask for mandatory login data such an email and password. U: User registers or logs in. ⚠ **Notice: Sometimes when mentioned in release notes** it's essential to delete the previous version from the device and install the new version of the application. Please read release notes carefully to avoid confusion. ⚠ **Notice:** For security purposes, users will be automatically logged out if the application is not used for an extended period of time. We recommend using a password manager or biometric login to remember your login credentials, or you may use the "Forgot Password" button to have your credentials sent to your email.



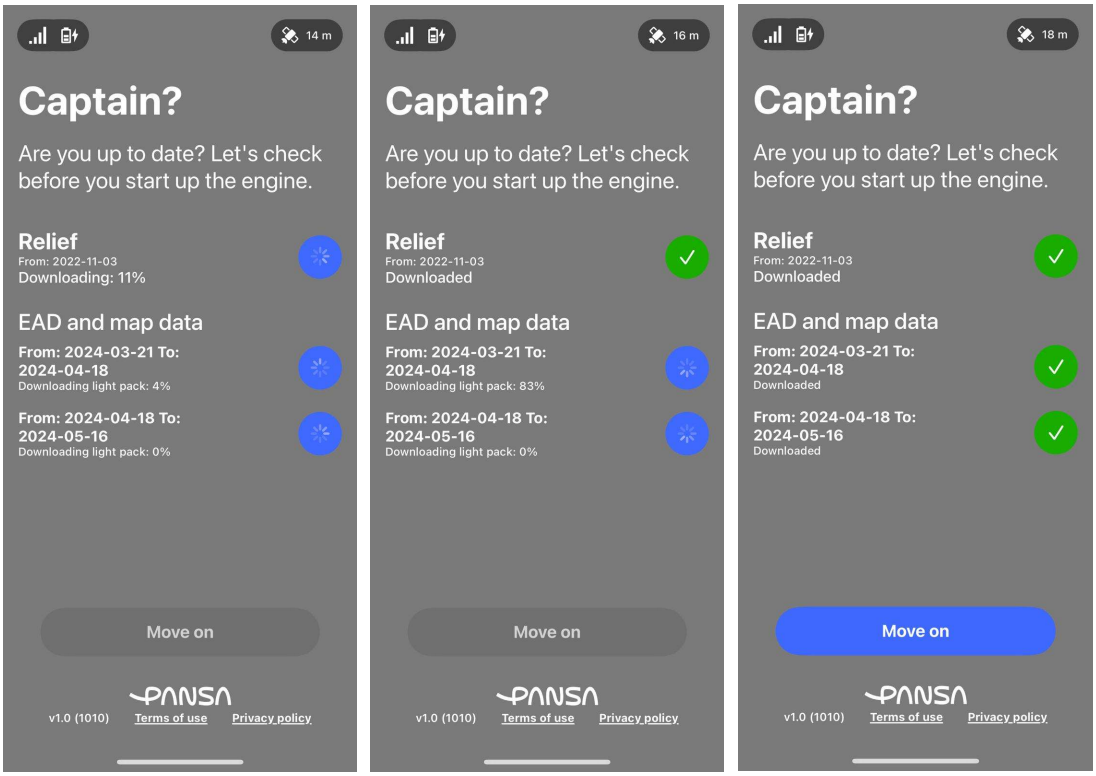
2.3 Agreement with the Privacy policy and Terms of use

Description	Agreement with the Privacy policy and Terms of use.
Use case	To use the application, user must read and agree to the *Privacy policy* and *Terms of use*.
User interaction - System response	U: User registers or logs in to the application. S: Application will offer two documents for reading and subsequent approval: *Privacy policy* and *Terms of use*. System requires consent to the content of both documents. U: User must read and agree to the *Privacy policy* and *Terms of use* each time they reinstall the app by deleting and installing the application or installing the application across several devices. Consent is required on each device separately.



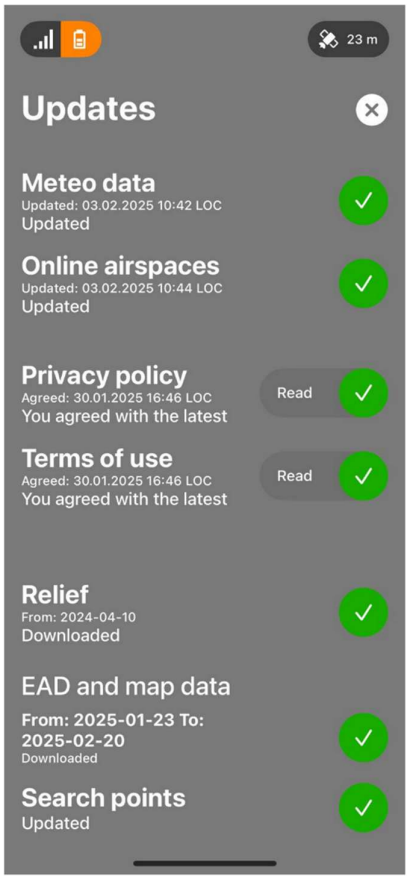
2.4 Updating map documents and other information

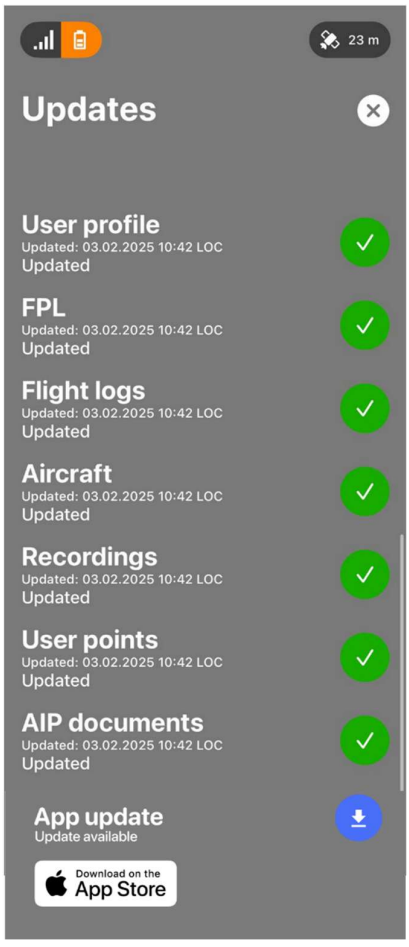
Description	Compulsory data to download before user can use the Application. Data must be up to date for *Relief* and *AIRAC and map data.* It is necessary for the proper functioning of the application.
Use case	User must have up to date data for *Relief* a *AIRAC and map data* during the flight when using the application.
User interaction - System response	S: After logging in, the application will automatically offer an overview of available compulsory data updates for *Relief* and *AIRAC and map data*. The application can only be used with current data. U: User gradually updates data by tapping on download icons. S: If all information is downloaded and up to date, the CTA button *Move on* becomes activate, to let user starts the application. The application is ready for use.



2.5 Updates of application

Description	For the correct use of the application and the correct display of all data, it is necessary to have the latest version of the application installed.
Use case	User wants to have up to date application.
User interaction - System response	U: User slides up a menu from the bottom on the home screen. S: There are many icons in the main menu – Inventory while one of them is Updates. U: User taps on Updates icon and select from list of updates *App update*. **Notice:** Available only in PROD.



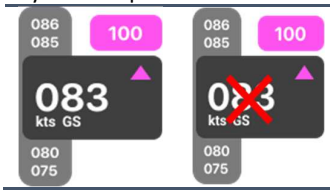


3 Home screen in flight mode

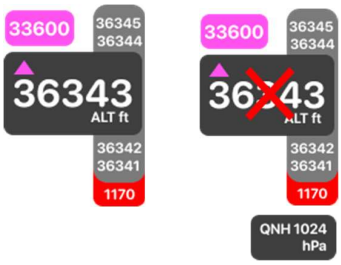
Chapter contains basic information about UI elements that explain their content and display variants.

Description	Home screen providing instant information on aircraft movement and position.
Use case	User opens app on the main screen or can see instant information on aircraft movement and position. Application will offer to the user, the home screen on which user can see and have the option to use the *Start the flight* button to start the flight. The screen also contains additional information that is active during the flight (Heading display to target heading, Current altitude to target altitude, Ground altitude from relief data, Ground speed to target speed, Compass, North up / Track up, Find me) or active at any time (Battery and signal strength indicator and My position).
User interaction - System response	U: User opens application, logs in and checks if app is up to date. S: Application opens the home screen.
⚠	**Notice:** The map view may change depending on GPS availability, device performance or operating system.

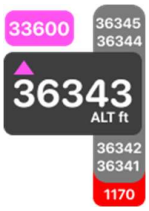
3.1 Ground speed to target speed

Description	Application displays information about the ground speed and target speed based on calculations in selected units.
Use case	User wants to see current ground speed calculated from the device and the target speed entered for the current leg. The component doesn't show target speed if it's not defined for the leg to the next waypoint. User wants to see the red cross over the latest value displayed if there is an issue with obtaining its location or GPS position. User wants to switch between **knots**, **mph**, and **km/h** by tapping on the component.
User interaction - System response	S: Application displays ground speed to target speed.
	UI component with toggle function example where the target speed for the leg is presented in magenta, and the current ground speed is magnified in line with lower and higher values.

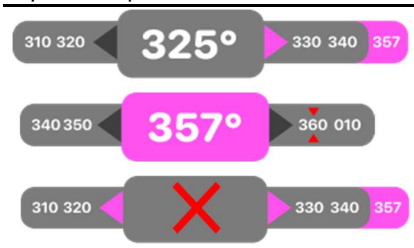
3.2 Current altitude to target altitude and QNH for the nearest aerodrome

Description	Application displays information about the current and target altitude based on calculations in selected units and QNH for the nearest aerodrome.
Use case	User wants to see current altitude calculated from the device and target altitude entered for the current leg. The component only shows the target altitude if it's defined for the leg to the next waypoint. User wants to see the red cross over the latest value displayed if there is an issue with obtaining the value from the device. User wants to switch between **feet** and **meters** by tapping on the component. For QNH, user wants to switch between **hPa** and **inHG** by tapping on the value.
User interaction - System response	S: Application displays current and target altitude and QNH for the nearest aerodrome where METAR is available.
	UI component with toggle function example where the target altitude for the leg is presented in magenta, and the current altitude is magnified in line with lower and higher values.

3.3 Display the terrain elevation from Relief data

Description	Application displays information about the terrain elevation calculated from Relief data.
Use case	User wants to see the terrain elevation calculated from Relief data on the device for the respective GPS position. No value is displayed if the device can't obtain its location or GPS position.
User interaction - System response	S: Application displays terrain elevation from Relief data. **Notice:** Terrain elevation does not account for obstacles.
	UI component with toggle function example shows the terrain elevation with red background.

3.4 Heading display to target heading

Description	Application displays information about the current heading and target heading.
Use case	User wants to see the current heading calculated and heading calculated for the current leg and updated based on the current position and heading. User wants to see the red cross over the latest value displayed if there is an issue with obtaining its location or GPS position.
User interaction - System response	S: Application displays current heading and target heading.
	UI component with toggle function example where target heading for the leg is presented in magenta and current heading is magnified in line with lower and higher values. The Arrow sign shows how to achieve the target heading.

3.5 Find me

Description	Application displays *Find me* icon on home screen and other screens with map, such as Direct to, Sketch and Search.
Use case	User wants to see *Find me* icon to the all map screens (Home screen, Direct to, Sketch, Search). User without additional action, just by tapping on *Find me* icon, will be centred so that the user´s own position is displayed.
User interaction - System response	S: *Find me* icon is constantly displayed on the map screen U: User is viewing the map / searching a point and their own position moves off the visible area of the map. Then user taps on the *Find me* icon and the map is centred so that the user´s position is visible.
	UI component example which displays the option to return to user´s position. The target symbol redisplays the return to the user´s current position.

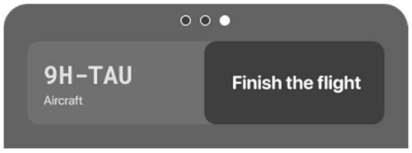
3.6 North up / Track up

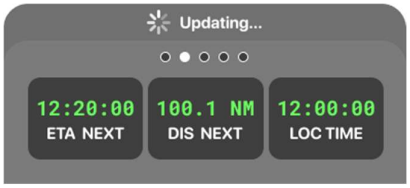
Description	Application displays *North up* / *Track up* icon on home screen and other screens with map, such as Direct to, Sketch and Search.
Use case	User wants to switch between *Track up* and *North up* view, both allow to switch display orientation. User wants to switch Trac up view or *North up* view by tapping on the *North up* / *Track up* icon. This functionality allows to switch between *Track up* orientation, when the icon of own position is fixed, pointing up, and the map below rotates and *North up* view, when the map is fixed, oriented to the north, while own position icon rotates according to the HDG.
User interaction - System response	S: *North up* / *Track up* functionality is located on the map screen and button has 2 states: active / inactive. U: When *Track up* is selected, the icon of current position aims alongside the edge of the device, pointing up, and the map below it rotates. U: When *North up* is selected, the map orientation is fixed, oriented to the north, the icon of your own position rotates according to the desired HDG. **Notice:** The function is available ONLY at a higher speed than 10 km/h.
	UI component with toggle function example displays an option to choose between *North up and Track up* views.

4 Quick side horizontal sliding menu

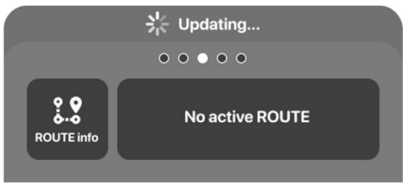
Description	Application displays *quick side horizontal sliding menu* at the bottom of the home screen.
Use case	User wants to have some of the functions that are most frequently used, at the home screen.
User interaction - System response	S: Default view of quick sliding menu are buttons to start the flight and select aircraft. U: User can slide to left or to right side. There are more views of quick sliding menu. It is up to user which screen to choose. There are these menus: 1. Start the flight alt. Finish the flight 2. ETA NEXT / DIS NEXT / LOC TIME 3. Route information 4. Direct to 5. Others

UI component example displays an option to Start the flight as a Quick route or Free flight alt. Finish the flight.

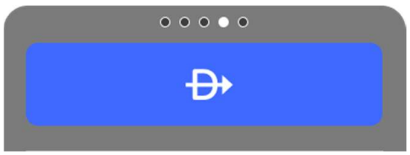




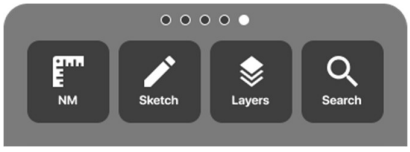
UI component with toggle function example displays information about ETA NEXT, DIS NEXT and LOC TIME.



UI icon example displays information about route.



UI component example displays an option Start the flight as a Direct to.



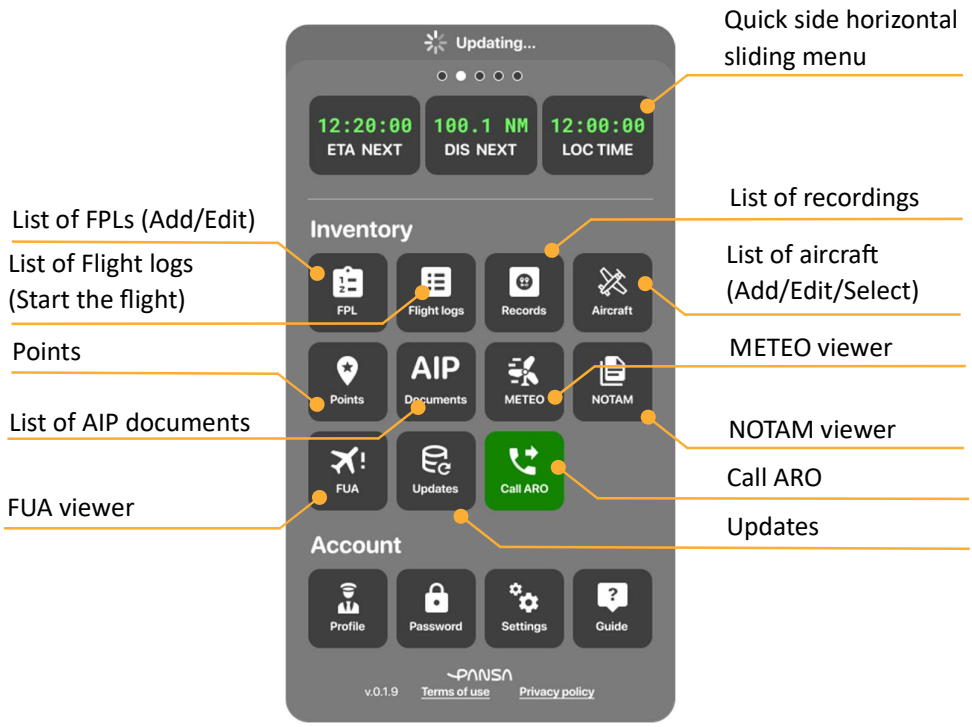
UI component with toggle function / UI icons example displays another options such as sketch, layers, search etc.

5 Main menu

Main menu of the application is located in the bottom slide out bar. It is divided into two basic parts: Inventory and Account.

5.1 Main menu part Inventory

Description	Application displays *main menu* in the bottom of home screen.
Use case	User wants to see different views of flight data in *FPL*, *flight logs*, *recordings* of routes, *aircraft* model, *points*, list of *AIP documents*, *METEO / NOTAM / FUA* viewer, *Call ARO* and *Updates.*
User interaction - System response	U: User slides up the bottom quick side horizontal sliding menu. S: Application shows main menu.

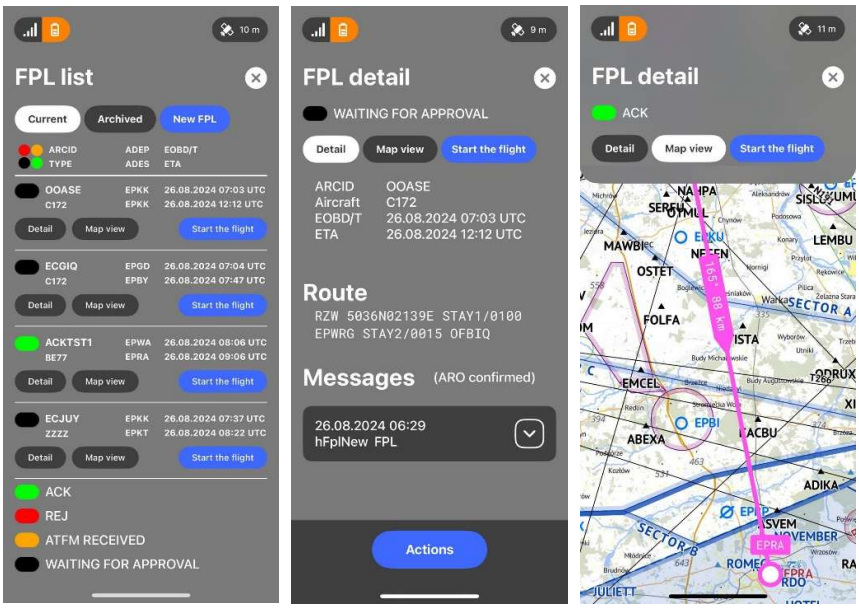


5.1.1 FPL

Description	Application displays *FPL* icon in main menu in the Inventory.
Use case	User wants to add new FPL and see list of user´s current and archived FPL.
User interaction - System response	U: User taps on *FPL* icon from Inventory S: Application displays list of *Current* FPL and possibility to switch to list of *Archived* FPL or to blank FPL form in *New FPL*.
	Icon displays an option to choose among view of current or archived FPL or new blank FPL form.

5.1.1.1 List of current and archived FPL

Description	Application displays *Current* and A*rchived FPL list*.
Use case	User wants to view FPL lists (Current / Archived) in order to start the flight based on the selected FPL. For each FPL, user wants to see information about the aircraft (ARCID, TYPE), waypoints (ADEP, ADES) and important times (EOBD/T and ETA). Individual FPLs are color-coded according to its status: green / ACK - accept, red / REJ - reject, orange / ATFM RECEIVED, black / WAITING FOR APPROVAL
User interaction - System response	U: User taps in chosen FPL on *Detail button.* S: Application displays list of *information* about chosen FPL. U: User taps in chosen FPL on *Map view.* S: Application displays route on the map with additional information. U: User taps in chosen FPL on *Start the flight button.* S: Application allows start the flight.
	**Notice:** Start the flight or Finish the flight is part of other chapter.
	**Notice:** Archive FPL include *a)* plans for which a CNL or ARR message has been sent, *b)* plans for which the current time is greater than ETA + 3 hours. Current FPL include a) plans for the future, b) active (just flying) plans, c) plans for which a CNL or ARR message has not been sent and at the same time the current time is less than ETA + 3 hours.
	Buttons display an option to choose among view of current or archived FPL.



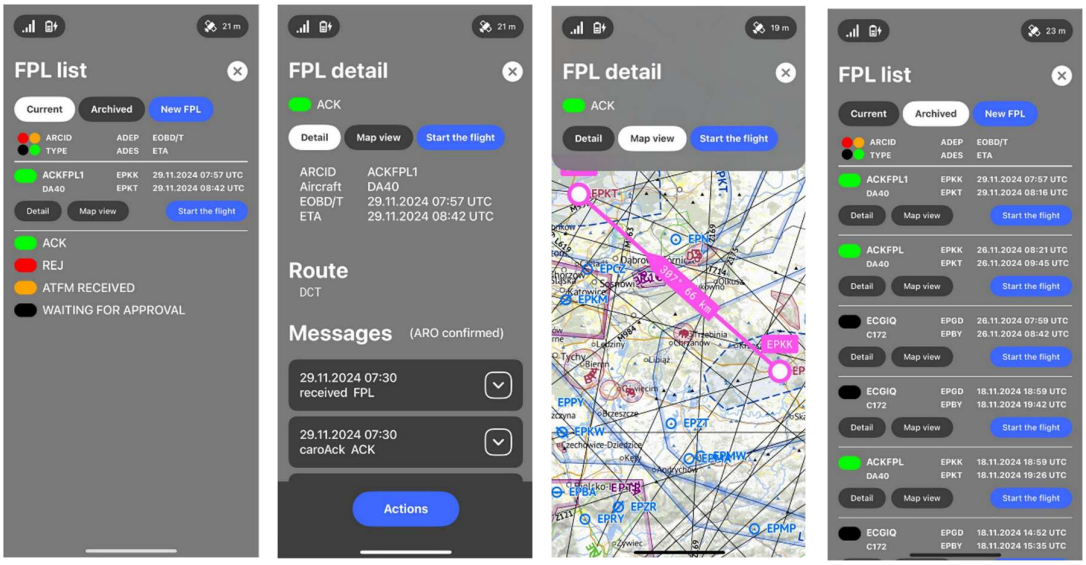
5.1.1.2 *New FPL*

Description	Application displays *new blank FPL form*.
Use case	User wants to add new FPL from blank FPL form or from saved templates.
User interaction - System response	U: User fills blank FPL form, in 4 tabs that contain all mandatory and optional fields for FPL. S: Application displays also information about pilot and warning notification. U: User taps on primary button Actions. Filled FPL can be saved as template, validate or sent. User can also clear created FPL form. S: Application displays confirmation message *Cleared* if user choose Clear alt. *Saved* if user choose Save alt. *FPL is valid* if user choose Validate or some warning notification (errors and warning) if user filled form with bad. ⚠ **Notice:** Read the notifications carefully and follow the navigation of the app. It will help eliminate the errors that have arisen and achieve the desired selected FPL state. ⚠ **Notice:** Field names and final design may differ slightly from app version, device used, and platform (iOS/Android).
New FPL	Buttons display an option to choose among view of current or archived FPL.

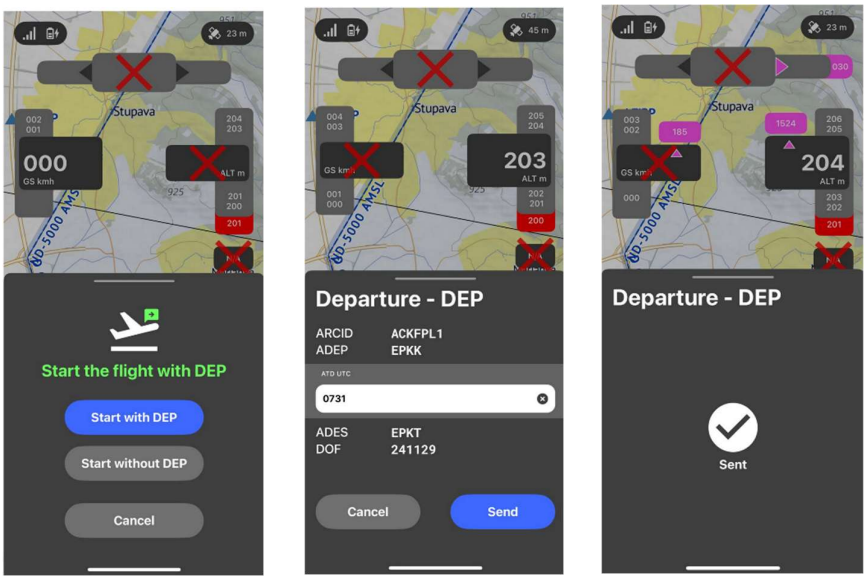
Screens of FPL form and option to validate or send FPL.

5.1.1.3 FPL flight

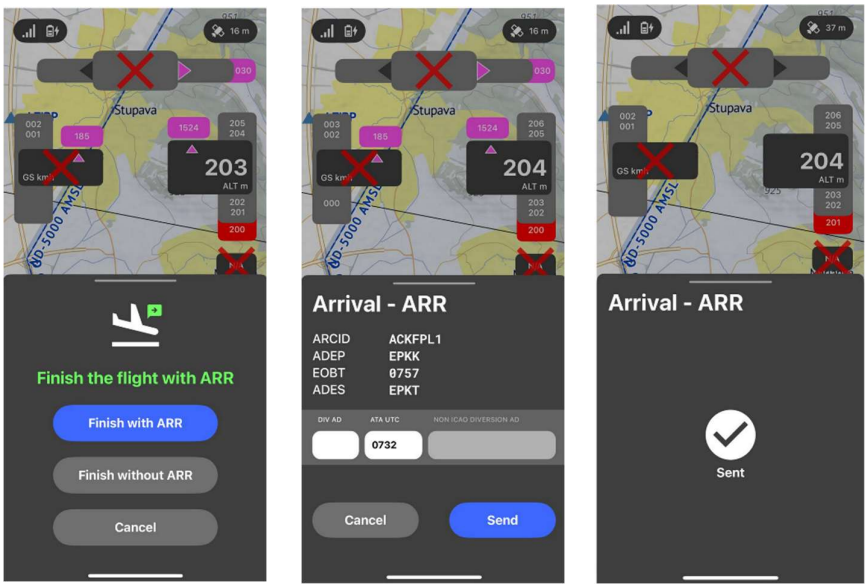
Description	Application allows to start an FPL flight either without DEP or with DEP (departure message) and allows to finish an FPL flight either without ARR or with ARR (arrival message).
Use case	User wants to take off and fly on submitted and approved FPL.
User interaction - System response	U: User fills New FPL form field by field or uses FPL template. User sent validated FPL. S: Application displays sent FPL as a row in Current FPL list. If FPL status changes to acknowledged, user can start the flight with DEP. U: User taps on primary button *Start the flight*. S: Application displays confirmation screen with options a) *Start the flight with DEP* b) *Start the flight without DEP* and c) *Cancel* start the flight. U: User taps on the button *Finish the flight*. S: Application displays confirmation screen with options a) *Finish the flight with ARR* b) *Finish the flight without ARR* and c) *Cance* finish the flight. ⚠ **Notice:** Start FPL flight is possible after user taps on the button Start the flight *a)* in Current FPL list, *b)* in Current FPL Detail and *c)* Map view and *d)* Archived FPL list. ⚠ **Notice:** Field names and final design may differ slightly from app version, device used, and platform (iOS/Android). ⚠ **Notice:** The ARCID will be displayed when starting a flight from a FPL, provided that the corresponding aircraft is already registered in the user's device. If the aircraft is not found in the user's list, SPTEST will be used as the default ARCID.
Start the flight	Buttons display an option to start the flight.



Options to start the FPL flight.

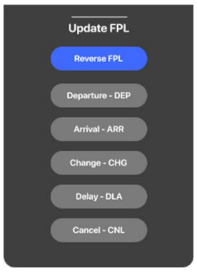
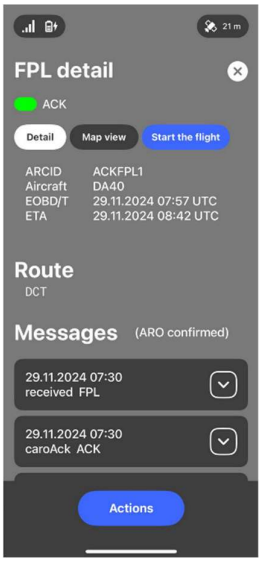
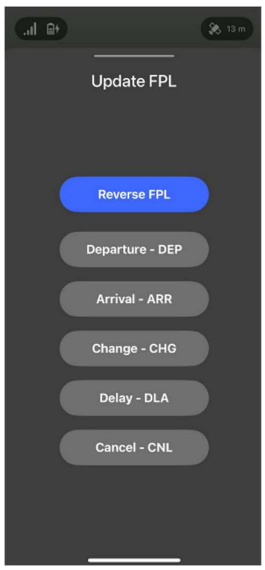
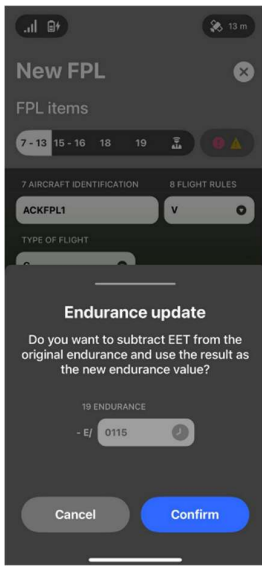


Screens of start the flight with departure message and confirmation screen about sent DEP.



Screens of finish the flight with arrival message and confirmation screen about sent ARR.

5.1.1.4 *Reverse FPL flight*

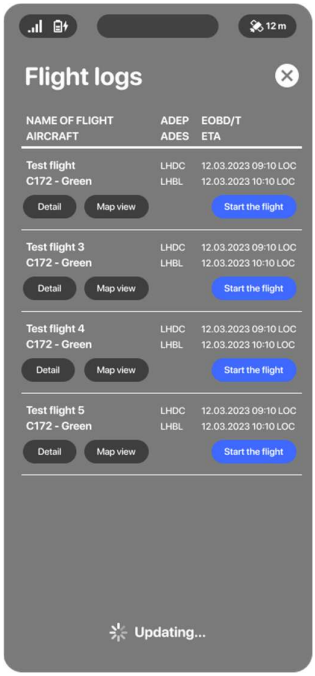
Description	The application allows the user to initiate a reverse FPL flight.
Use case	The user wants to take off and return via the same route as filed in the original FPL (reverse FPL).
User interaction - System response	U: User taps the Action button in the FPL Detail either from the current or archived FPL. S: Application displays a bottom sheet with all FPL options. The primary option is Reverse FPL. U: User taps the primary Reverse FPL button. S: Application prompts the user with a question asking if they would like to subtract the EET from the original endurance and use the result as the new endurance value. U: If the user agrees with the option, they tap the Confirm button. S: The application displays the reverse FPL form, pre-filled with information from the original FPL. U: User continues as they would when creating a new FPL from templates. ⚠ **Notice:** The field names and final design may vary slightly depending on the app version, device and platform (iOS/Android).
	System displays all available options for FPL. The primary option is Reverse FPL.
	FPL detail screen with an option to tap the Action button to access the reverse FPL. 
	All actions that can be performed on a FPL: Reverse FPL and all FPL related messages (Departure – DEP, Arrival – ARR, Change – CHG, Delay – DLA and Cancel – CNL).  Confirmation screen for endurance update.

5.1.2 Flight logs

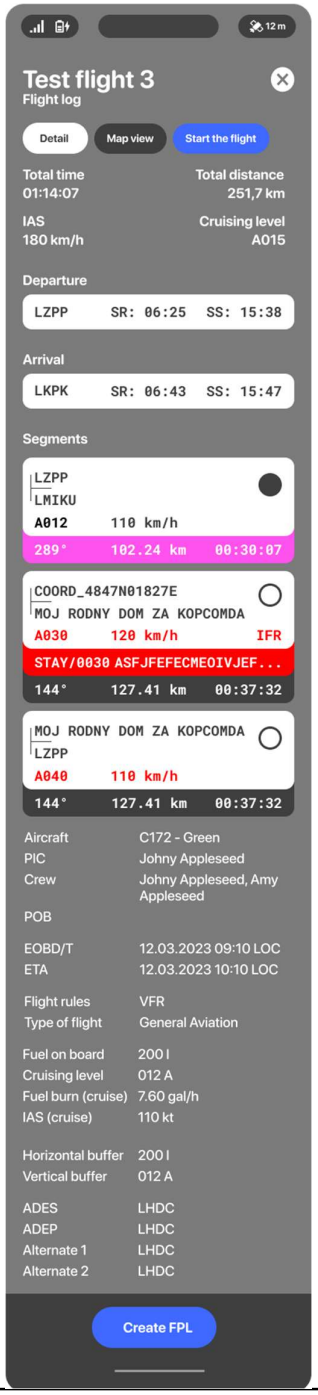
Description	Application displays *Flight logs* icon in main menu in the Inventory.
Use case	User wants to start the flight from the flight log in the list or from the flight log detail.
User interaction - System response	U: User taps on *Flight logs* icon from Inventory. S: Application displays list of *flight logs* with options to go to the detail of the flight log, see the route on the map or start the flight. **Notice:** Flight log cannot be created in the application! It is possible to create a flight log only via IWB. **Notice**: The application displays data created only through IWB. In the application, user can see the detail of the flight log and the map with the flight route. It can be started after the user selects one flight from the list by tapping the Start the flight button.
	Icon displays an option to view Flight Logs.

5.1.2.1 List of flight logs

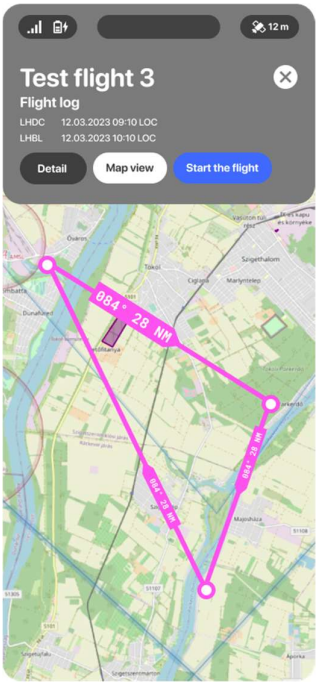
Description	Application displays single *FL list*.
Use case	User wants to view FL lists. For each FL, user wants to see information about the aircraft (ARCID, TYPE), waypoints (ADEP, ADES) and important times (EOBD/T and ETA).
User interaction - System response	U: User taps in chosen FL on *Detail button.* S: Application displays list of *information* about chosen FL (total time, distance, cruising level, IAS, ADEP, ADES, ALTN, information about segments, and much more. User can create FPL by using blue primary button *Create FPL*. U: User taps in chosen FL on *Map view.* S: Application displays route on the map with additional information. U: User taps in chosen FL on *Start the flight button.* S: Application allows start the flight. **Notice:** Start the flight or Finish the flight is part of other chapter. **Notice:** Recorded quick route are saved in flight log section to the list of flight logs. Quick route is saved by automatic name format *Q-Route_YYMMDD_HHMM* which user can change in IWB.



Screen of *List of flight logs* displays, all saved flight log.



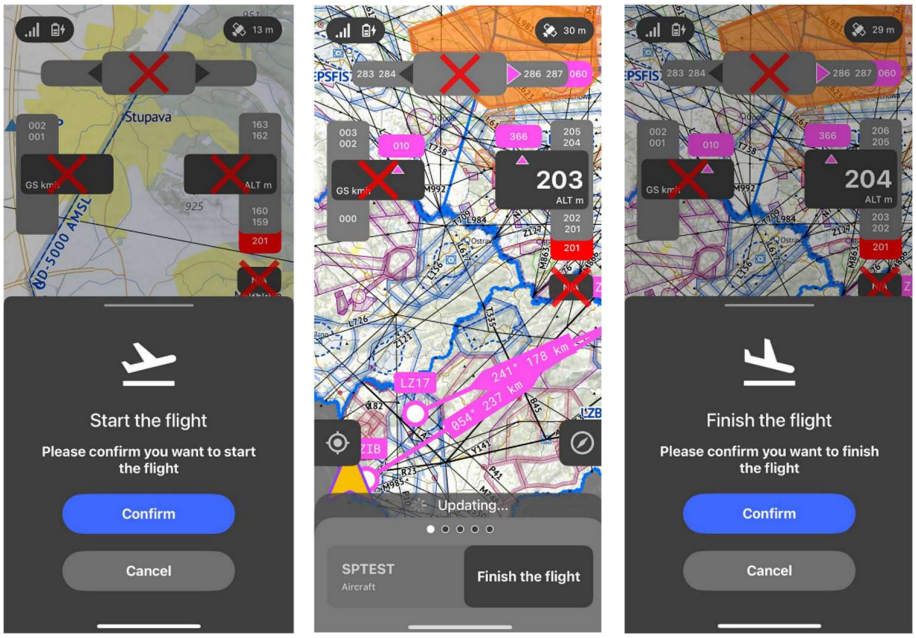
Screen of *Flight log detail* displays information about chosen FL (total time, distance, cruising level, IAS, ADEP, ADES, ALTN, information about segments and much more.



Screen of *Flight log* on the map - *Map view* with the route in graphic display including heading and distance information.

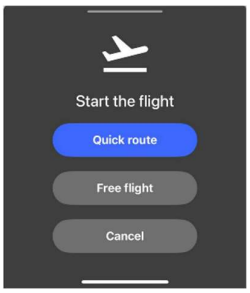
5.1.2.2 FL flight

Description	The application allows the user to start a flight from a Flight Log (FL).
Use case	User wants to take off and fly with a pre-planned Fligh log (FL).
User interaction - System response	U: User fills out the New FL form only on the IWB website, as it is not possible to create a new flight log within the application. S: Application displays the Flight List screen with all existing flight logs. U: User taps the primary Start the Flight button. S: Application displays a confirmation screen with the following options: *a) Confirm* to start the flight and *b*) *Cancel* to start the flight. U: User taps Confirm to start the flight. Then, the user taps the *Finish the Flight* button. S: Application displays confirmation screen with options a) *Confirm* to finish the flight and b) *Cancel* to finish the flight. ⚠ **Notice:** The FL flight can be started after the user taps the Start the Flight button: *a)* in the Flight List, *b)* in the FL Detail, *c)* in the Map View. ⚠ **Notice:** The field names and final design may vary slightly depending on the app version, device, and platform (iOS/Android).
Start the flight	The buttons display the option to start the flight and finish the flight.



Flight log flow from starting to finishing the flight.

5.1.3 Quick route

Description	Application displays *Quick route* primary button, as it selects the *Start the flight* button from home screen.
Use case	User wants to plan quickly and to start new flight. User wants to know information about segment: a) IAS and IAS unit and Flight rules are default values from aircraft details and b) Cruising level is mandatory to fill.
User interaction - System response	U: User taps on Start the flight button on home screen S: Application displays buttons *Quick route* (primary), *Free flight* (secondary button) and *Cancel*. U: User selects button Quick route. S: Application gradually displays the steps that the user need to do (Select aircraft if not previously selected, set ADEP, set ADES, set ALTN 1, set ALTN2) ⚠ **Notice:** Quick route is not full Flight log, with all functions. User can plan the route and segments, can see vertical profile with relief, can save quick route to the flight logs. Saved quick route is not possible to edit.
	Quick route initialisation by primary button *Quick route*.

5.1.3.1 Quick route planning

Description	In the application user can quickly plan a quick route, simply by setting the points, by saving the planned route to the flight logs and by starting the flight.
Use case	User wants to quickly plan a quick route and start the flight instantly, simply by setting the points ADEP, ADES, ALTN1, ALTN2 and WPT(s).
User interaction - System response	U: User taps on the *Start the flight* at the home screen. S: Application displays bottom sheet with three buttons: *Quick route*, *Free flight* and *Cancel*. U: User taps on the button *Quick route.* S: Application displays screen with covered map and only one blue widget as a possibility to set new step in planning. U: After new installation user need to select aircraft. If user select aircraft before, user need to set ADEP, than ADES, ALTN1, ALTN2 and/or WPT(s). Points ADEP and ADES are mandatory. User don´t need to set ALTN1 or ALTN2 (alternative ADES), but we recommend it. User may set other waypoints on the route. S: Application displays bottom sheet with information about segment. All information are mandatory to correct route calculation and route plotting on the map. U: User fills all information into the bottom sheet for segment. S: Application displays route on the map with additional information.

U: User can save quick route in every step of planning by tapping on the button *Save to flight logs* or at the end when user can start the flight by tapping on the button *Start the flight.* Each save attempt will be saved as a new row in flight list.

Notice: Set point is possible
a) by long press somewhere on the map
b) fill LAT / LON
c) write minimum 2 letter into the search waypoint field and select one point from the options offered or tap to the symbol "+" to add the waypoint

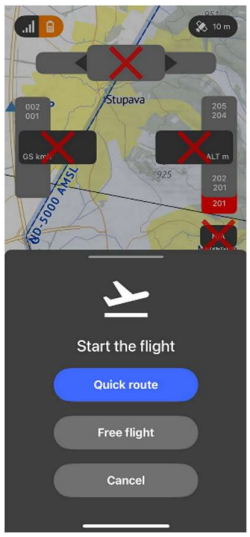
Notice: Edit point is possible by tapping on "settings" symbol placed at each point. User need to select *Edit action*. Selected point is possible to change:

a) By long press somewhere on the map and set new position
b) Rewrite new LAT / LOT
c) Rewrite minimum 2 letter into the search waypoint field and select new point from the options offered or
d) drag&drop the selected point to new position

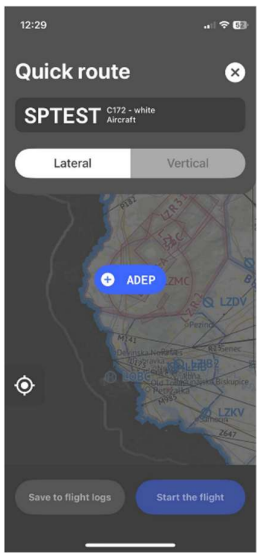
than is necessary to confirm primary button *Update waypoint*.

Notice: It is not possible to delete ADEP and ADES, just to edit.

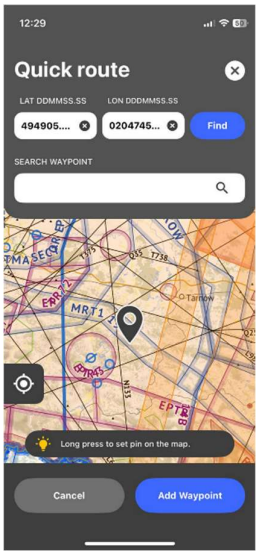
Notice: In case of cruising level VFR application shows in vertical profile planned route in height of 1000ft above the relief.



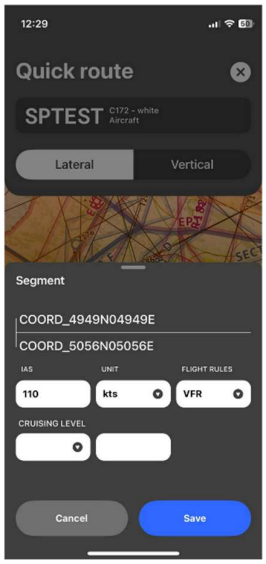
Initial screen with options to choose Quick route.



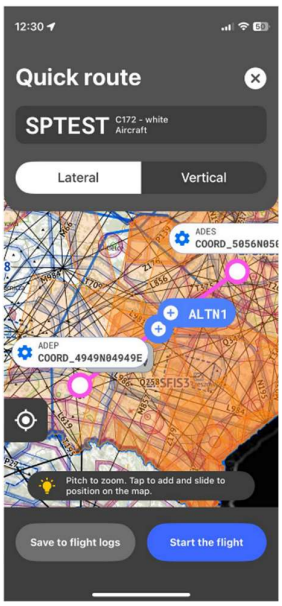
Screen with option to set ADEP or set / change aircraft.



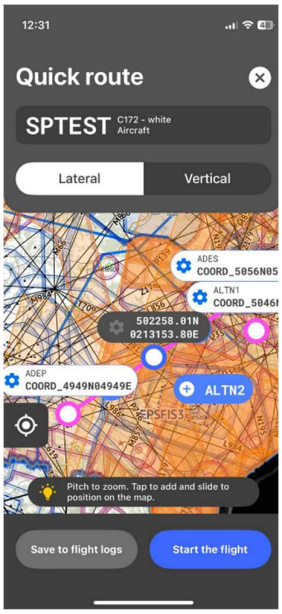
Screen with the selected point.



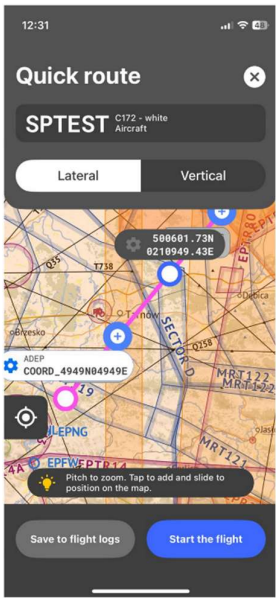
Screen with mandatory information about segment



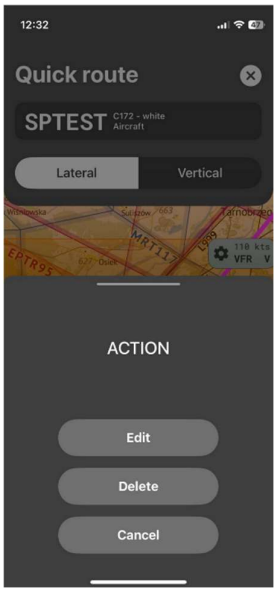
Screen with possibility to set ALTN1 (first alternative aerodrome), or to add first waypoint by using the plus icon.



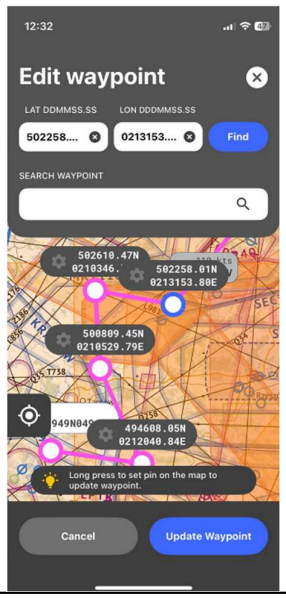
Screen with possibility to set ALTN2 (second alternative aerodrome), or to add waypoint by using the plus icon.



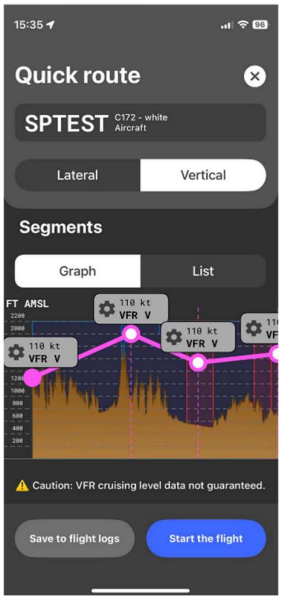
Zoom in screen, to be able to tap on the plus icon to add new waypoint.
Be aware to follow hint (yellow bulb). It helps user to finish planning.
On the screen bottom are primary button Start the flight and secondary button Save to flight logs.

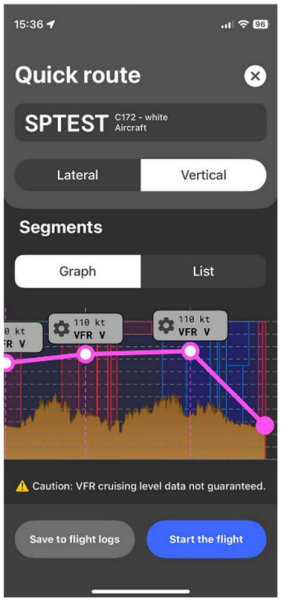


Screen of choosing actions Edit / Delete point or Cancel and go back to planning.

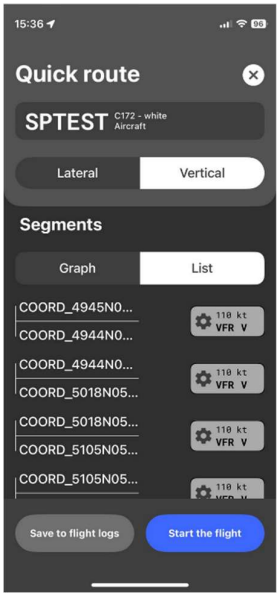


Screen of “edit” mode for waypoint. Edited point is blue one.



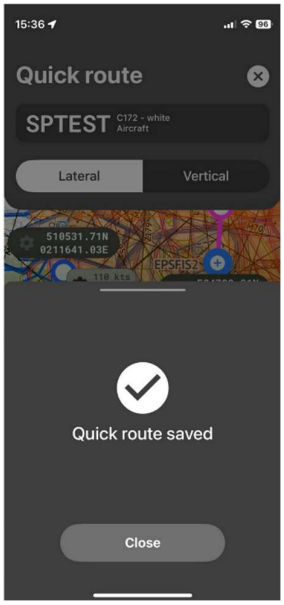


Screens of vertical view in graph. Some route is due to lenght with scroll graph.

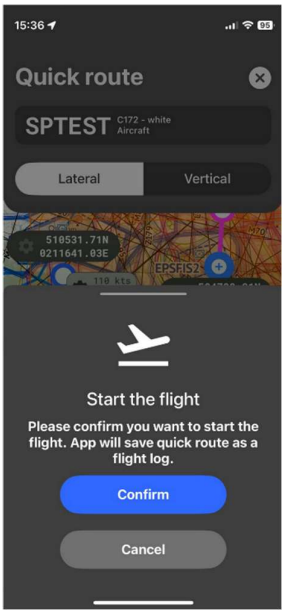


Screen of segment list. User can edit segment information by tapping to info widget.

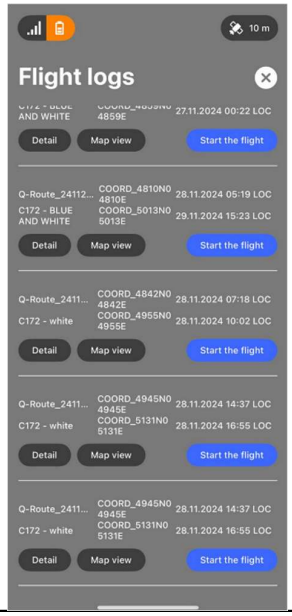
Vertical profile (graph screen and list screen) is available only during planning.



Confirmation screen about save the quick route to flight logs. It is available only by tapping *Save to flight logs* button.



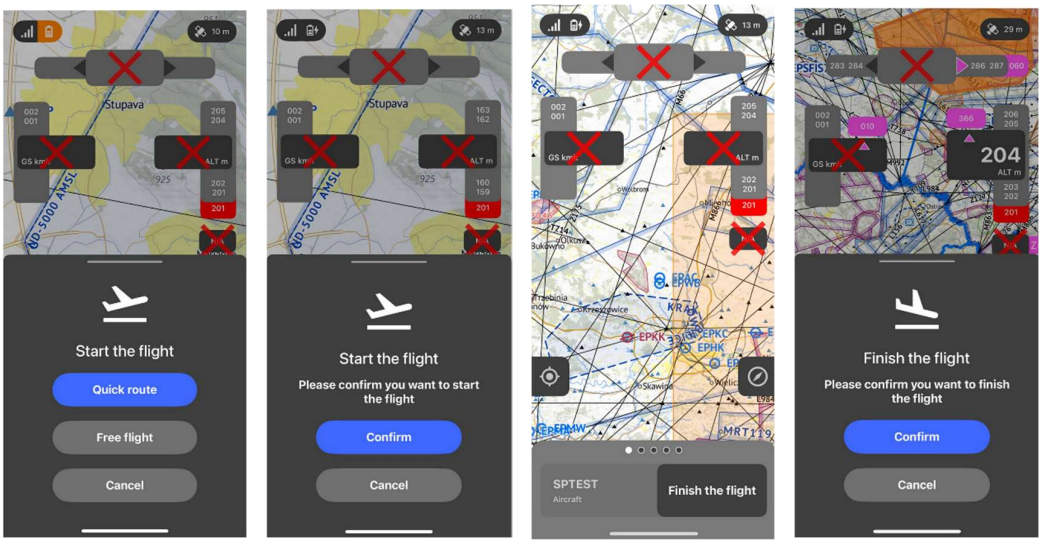
Confirmation screen about save the quick route to flight logs. It is available only by tapping *Start the flight* button.



Saved quick route as a row in Flight logs.

5.1.4 Free flight

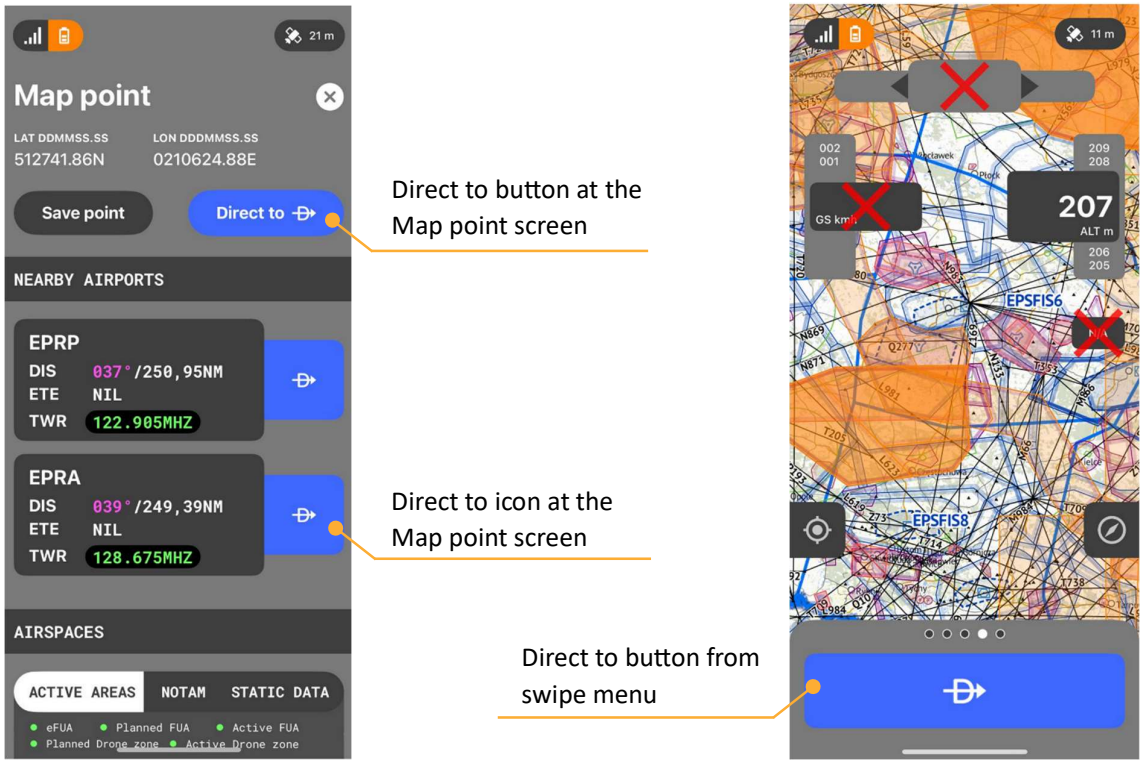
Description	Application allows to start an Free flight.
Use case	User wants to take off and fly as a Free flight
User interaction - System response	U: User taps on primary button *Start the flight* at the home screen. S: Application displays bottom sheet with three buttons: *Quick route*, *Free flight* and *Cancel*. U: User taps on the button *Free flight* to start the flight. S: Application displays confirmation screen with options a) *Confirm* to start the flight and b) *Cancel* to start the flight. U: User taps on the button *Confirm* to start the flight. When user want to finish, taps on the button *Finish the flight* at the home screen. S: Application displays confirmation screen with options a) *Confirm* to finish the flight and b) *Cancel* to finish the flight.



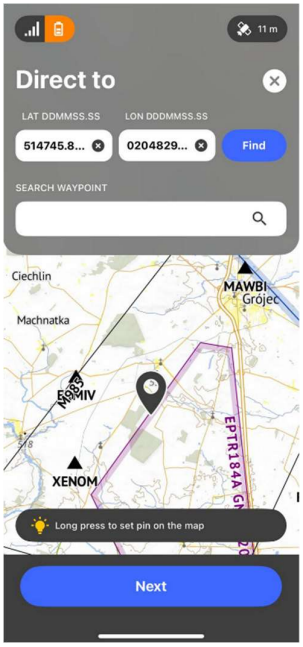
Free flight flow from starting to finishing the flight.

5.1.5 „Direct to“ flight

Description	Application allows to start an “Direct to” flight. There are three options to use flight direct to selected position or set point. Firstly from swipe menu, secondary from DCT icon at the Map point screen and finally from *Direct to* button at the Map point screen
Use case	User wants to take off and fly direct to selected position / point.
User interaction - System response	U: User taps on primary button *Direct to* at the home screen in swipe menu. S: Application displays map. U: User taps on the button *Free flight* to start the flight. S: Application displays confirmation screen with options a) *Confirm* to start the flight and b) *Cancel* to start the flight. U: User taps on the button *Confirm* to start the flight. When user want to finish, taps on the button *Finish the flight* at the home screen. S: Application displays confirmation screen with options a) *Confirm* to finish the flight and b) *Cancel* to finish the flight.

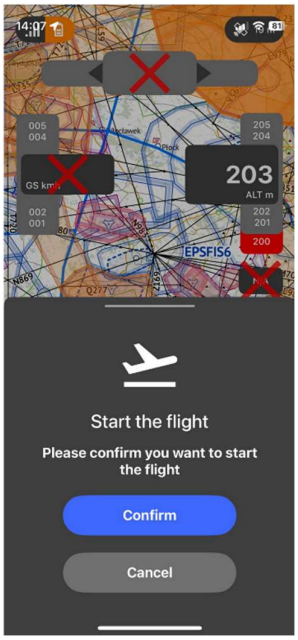


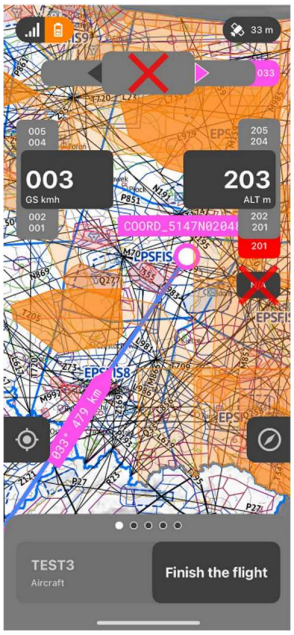
Options to start the flight to the selected point “Direct to”.

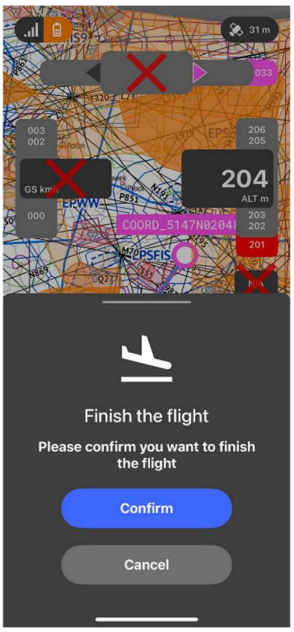


Screen with map to set point of arrival destination.

Select aircraft screen.







„Direct to“ flight flow from starting to finishing the flight.

5.1.6 Records

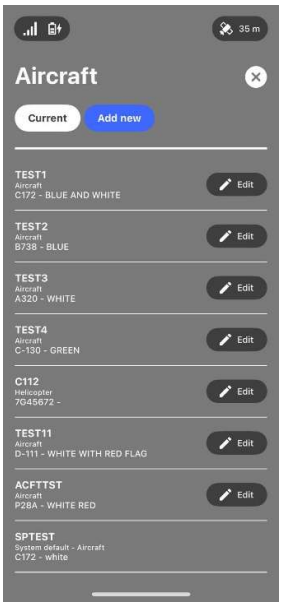
Description	Application displays *Records* icon in main menu in the Inventory.
Use case	User wants to record the flight (Free flight, Direct to, Flight log and FPL form) and save it for further preview and GPX download. Recording is saved on Device and in Cloud.
User interaction - System response	U: User taps on *Records* icon from Inventory. S: Application displays list of *records* in two section: Device (saved on device) and Cloud (saved in cloud). **Notice:** After uninstalling the application, all saved data in device will be deleted. **Notice:** Individual recordings are sorted according to date of creation in two separate tabs. First in the *Device* tab and second in the *Cloud* tab.
	Icon displays an option to see list of records in device and list of records in cloud.

5.1.7 Aircraft

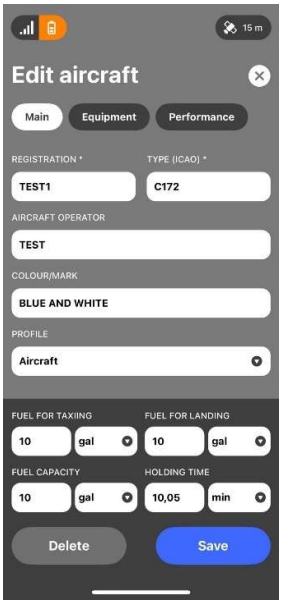
Description	Application allows to add the aircraft and to see the list of current aircraft.
Use case	User wants to add or edit the new aircraft.
User interaction - System response	U: User taps on *Aircraft* icon from Inventory. S: Application displays the list of Aircraft created by user and shows options to create and add new aircraft. **Notice:** System default aircraft is already defined by system. This default aircraft cannot be changed or deleted. User can start the flight each time with different aircraft. Add new aircraft is possible in aircraft model. **Notice:** If user wants to fly but does not have an aircraft in their list, the application will offer them the option to select the system default aircraft. System default aircraft will display for the entire time of using the application.
	Icon displays *Aircraft* section with *Aircraft list* (*Current* aircraft that added by user and system default) and *Add new* (Aircraft form contains three tabs. User can enter aircraft parameters).

5.1.7.1 *Current aircraft*

Description	Application allows to see the list of *current* aircraft.
Use case	User wants to see and edit saved aircraft.
User interaction - System response	U: User taps on *Aircraft* icon from Inventory. S: Application displays list of Aircraft which were created by user and gives possibility to edit selected aircraft. Edit selected aircraft means to amend information of the aircraft. U: User edits all aircraft data loaded from the server. User can amend the aircraft parameters and save it. **Notice:** System default aircraft information cannot be edited and also default aircraft cannot be deleted from the list.



Screen of *Current* aircraft displays, all added aircraft including system default aircraft (SPTEST).

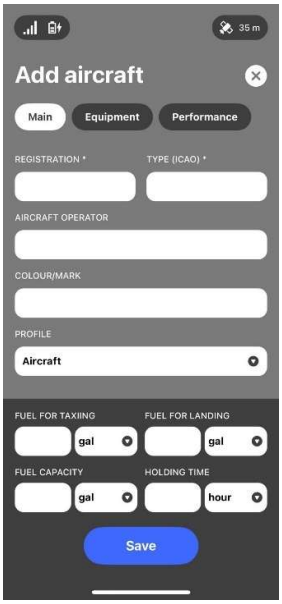


Screens of *Edit aircraft* display form with aircraft parameters for editing current information. There are: Main, Equipment and Performance screens.

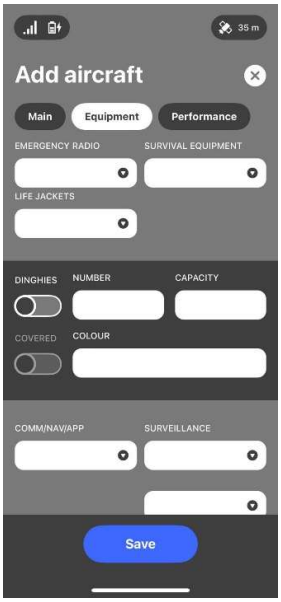
To edit current aircraft user taps on Save button. Edited aircraft will appear in the aircraft list.

5.1.7.2 *Add new aircraft*

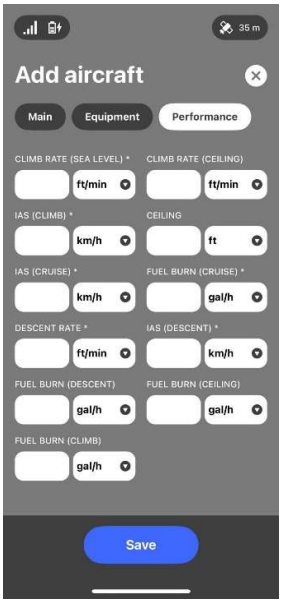
Description	Application allows to add new aircraft by filling the form of aircraft parameters. System default aircraft is already defined by system.
Use case	User wants to add new aircraft.
User interaction - System response	U: User taps on *Aircraft* icon from Inventory. S: Application allows the user to create / to add new aircraft. U: User fills the mandatory fields *Registration*, *Type – ICAO* in *Main* tab. *Flight profile* is set automatically, but user can change it anytime. User fills the mandatory fields *Climb rate*, *IAS (Climb), IAS (Cruise)*, *Fuel burn (Cruise)*, *Descent rate* and *IAS (Descent)* in *Performance* tab. S: Application will allow user to save values for the aircraft. U: User saves information by tapping on *Save* button. ⚠ **Notice:** Please, fill the flight profile carefully, it will allow other app users to see your location and flight prediction. Safety first!



Screen of *Main* tab of Aircraft model.



Screen of *Equipment* tab of Aircraft model.



Screen of *Performance* tab of Aircraft model.

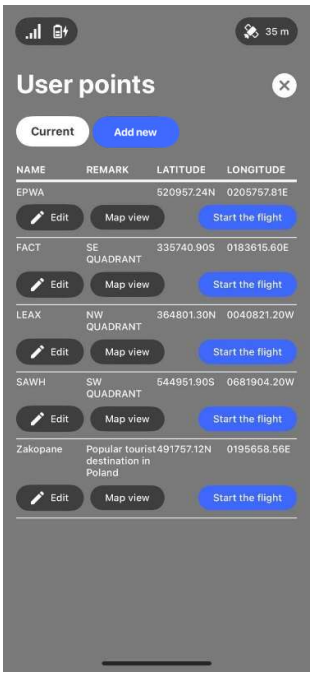
To add new aircraft user taps on *Save* button. Added aircraft will appear in the aircraft list.

5.1.8 Points

Description	Application displays the list of *current user points* and an option to *add new* one. User points are created by user and used for quick navigation using DCT.
Use case	User wants to add or edit the new user point. User points allow user to start the flight. User wants to see and edit saved user points.
User interaction - System response	U: User taps on *Points* icon from Inventory. S: Application displays list of *Points* which were created by user and gives possibility to create / to add new user point. ⚠ **Notice:** If user does not create / add any user point, the list of user points will be empty. The list of user points is created exclusively by the user.
	Icon displays *Points* section with *User point list* (*Current* user points that were added by user) and User point form (*Add new:* form contains mandatory fields such as Latitude, Longitude and Name of user point which the user must fill).

5.1.8.1 Current user points

Description	Application allows to see the list of *current user points*. User points are points of interest to which the pilot has already flown or plans to fly in the future.
Use case	User wants to see and edit saved / *current* user points. User points allow user to start the flight with the application.
User interaction - System response	U: User taps on *Points* icon from Inventory. S: Application present the list of *Current* user points which were created by user and gives possibility to edit selected point, by tapping to *Edit* button. Edit selected point means to fill current information of the point. U: User selects one user point from the list, user wants to edit or to let system display detail and form to adjust details. S: Application present the list of User points which were created by user and gives possibility to view this point on the map, by tapping to *Map view* button. User can start the flight by tapping on *Start the flight* button from the screen *Current user points* and from the screen Map view.



Screen of *Current user point.*

User can *Edit* user point. New information will be added by tapping on Save button.

Screen of Map view with possibility to start the flight.

5.1.8.2 *Add new user point*

Description	Application allows to *add new* user point. User points are points of interest.
Use case	User wants to add new user point. User points allow user to start the flight with the application.
User interaction - System response	U: User taps on *Points* icon from Inventory. S: Application allows the user to create / to *add new* user point. U: User fills the mandatory fields *Latitude*, *Longitude* and *Name* of new point. S: Application will allow the user to save values for the user point. U: User saves information by tapping on *Save* button.

Screen of Add new point form with mandatory fields. User can add new user point by tapping *Save* button.

Long press on the map sets the pin for new user point.

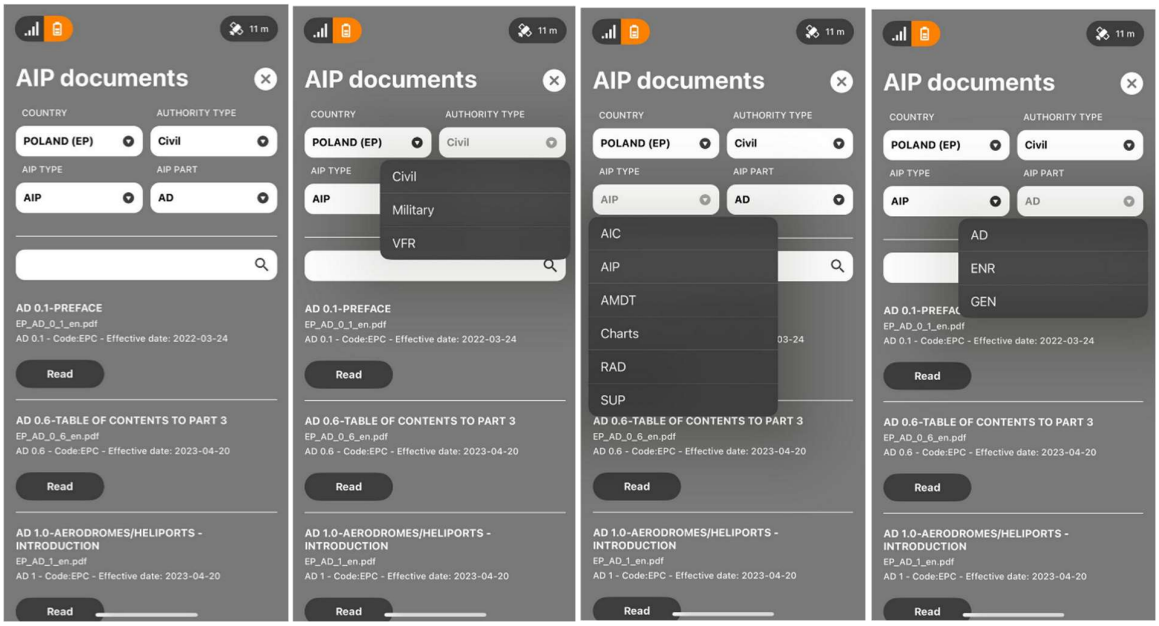
5.1.9 AIP Documents

Description	Application allows to see the list of *AIP Documents*.
Use case	User wants to see the list of *AIP Documents* and wants to filter the list based on filters. Filters are: 1. Country 2. Authority type (Civil, Military, VFR) 3. AIP type (AIC, AIP, AMDT, Charts, RAD, SUP) 4. AIP part (AD, ENR, GEN) After selection new filter parameter user can see the list of options in drop down menu.
User interaction - System response	U: User taps on *AIP Documents* icon from Inventory. S: Application displays list of *AIP Documents* which were published based on selected filters. U: User taps on the button *Read* in one selected AIP document.
	Icon displays *AIP Documents* section with group of filters*: country, authority type, AIP type* and *AIP part.* If user wants to see specific AIP, they can find it by *full text search.*

5.1.9.1 *List of AIP Documents*

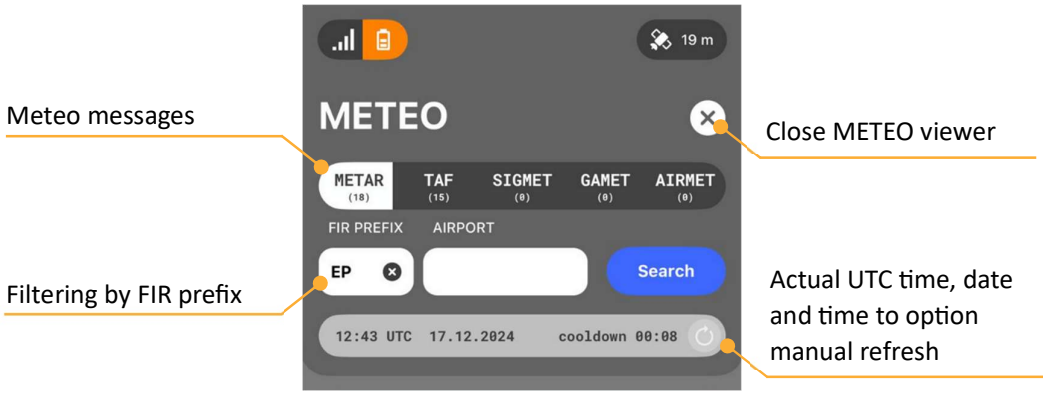
Description	Application allows to see the list of *AIP documents*.
Use case	User wants to see the list of *AIP documents* and wants to filter the list based on filters: *country, authority type, AIP type, AIP part* and *full text search*.
User interaction - System response	U: User taps on *AIP documents* icon from Inventory. S: Application displays list of *AIP documents* which were published. U: User sets own desired parameters for the four filters. S: Application displays a shortlist of AIP documents. ⚠ **Notice:** It is up to the user which filter to use. List of AIP documents may be therefore different.

Default view of AIP documents is shown in first screen. Screens display *AIP Documents* section with group of filters*: country, authority type* (civil / military / VFR), *AIP type* (A/C / AIP / AMDT / Charts / RAD / SUP) and *AIP part* (AD / ENR / GEN). If user wants to see own short list of specific AIP, they can find it by *full text search*.



5.1.10 METEO viewer

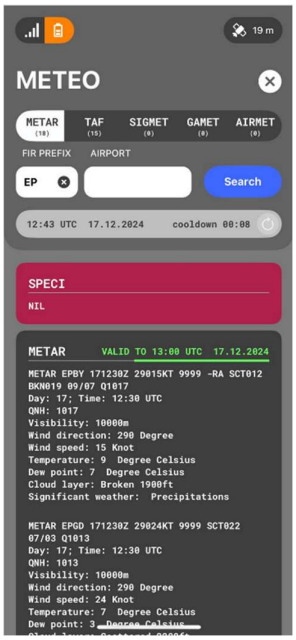
Description	Application allows to see the *METEO* viewer.
Use case	User wants to see the list of weather reports labelled METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET with timestamp (time when messages were published). User wants to see all valid messages, or the last messages that were published before the loss of internet connection. All messages for FIR – EP or for airport.
User interaction - System response	U: User taps on *METEO* icon from Inventory. S: Application displays list of *METEO* messages / weather reports which were published.
⚠	**Notice:** It is possible to use filtering by FIR PREFIX or ICAO, it depend to message type: - METAR: active FIR PREFIX, active AIRPORT - TAF: active FIR PREFIX, active AIRPORT - SIGMET: active FIR PREFIX, disabled AIRPORT - GAMET: active FIR PREFIX, disabled AIRPORT - AIRMET: active FIR PREFIX, disabled AIRPORT
	Icon displays *METEO viewer* section with group of filters for weather reports labelled*:* METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET.



The METEO sticky header includes five message types (METAR/SPECI, TAF, SIGMET, GAMET, AIRMET) input fields for FIR PREFIX and AIRPORT, a Search button, and a bar showing current UTC time, date, and a manual refresh option.

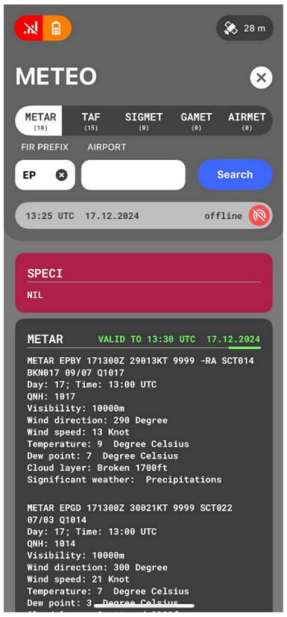
5.1.10.1 METEO viewer – METAR

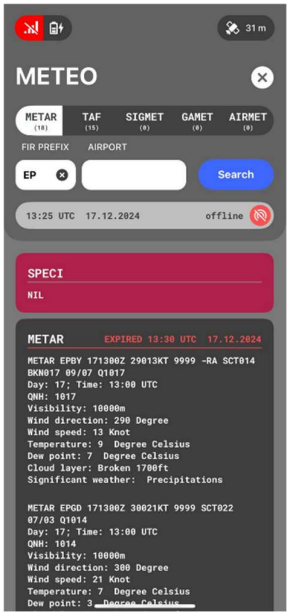
Description	Application allows to see *METAR* messages and SPECI messages in the *METEO* viewer including their number.
Use case	User wants to see the list of weather reports labelled METAR (including SPECI) with timestamp (time when messages were published). User wants to see all valid messages, or the last messages that were published before the loss of internet connection.
User interaction - System response	U: User taps on *METEO* icon from Inventory. S: Application displays list of *METEO* messages / weather reports which were published divided into five tabs: METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET. U: User select *METAR* tab. S: Application displays all relevant messages. **Notice:** There is a circle icon for manual refresh on the right side. Icon is: • grey, when application need to time for next request, • blue, when application is ready to refresh and • red, when device lost internet connection. The icon is the same for all METEO messages.
	Screen displays *METAR* and *SPECI messages* in the *METEO viewer* section with group of filters for weather reports labelled*:* METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET.



METAR tab displays all SPECI (special METAR) and METAR messages with full information, also about validity.

User can see valid messages with green countdown progress bar. It is available only for METAR. In case of loss of internet connection, circle icon is getting red. User still can see messages (expired messages).





5.1.10.2 METEO viewer – TAF

Description	Application allows to see *TAF* messages in the *METEO* viewer including their number.
Use case	User wants to see the list of weather reports labelled TAF with timestamp (time when messages were published). User wants to see all valid messages, or the last messages that were published before the loss of internet connection.
User interaction - System response	U: User taps on *METEO* icon from Inventory. S: Application displays list of *METEO* messages / weather reports which were published divided into five tabs: METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET. U: User select *TAF* tab. S: Application displays all relevant messages.
	Screen displays *TAF messages* in the *METEO viewer* section with group of filters for weather reports labelled*:* METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET.

TAF tab displays all TAF messages.

5.1.10.3 METEO viewer – SIGMET

Description	Application allows to see *SIGMET* messages in the *METEO* viewer including their number.
Use case	User wants to see the list of weather reports labelled *SIGMET* with timestamp (time when messages were published). User wants to see all valid messages, or the last messages that were published before the loss of internet connection.
User interaction - System response	U: User taps on *METEO* icon from Inventory. S: Application displays list of *METEO* messages / weather reports which were published divided into five tabs: METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET. U: User select *SIGMET* tab. S: Application displays all relevant messages.
	Screen displays *SIGMET messages* in the *METEO viewer* section with group of filters for weather reports labelled*:* METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET.

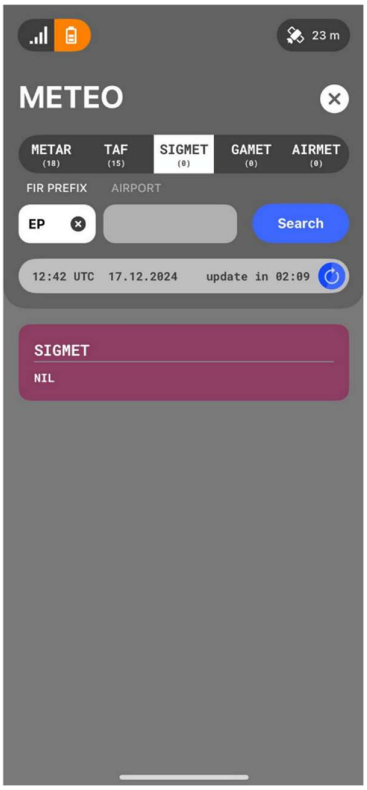
5.1.10.4 METEO viewer – GAMET

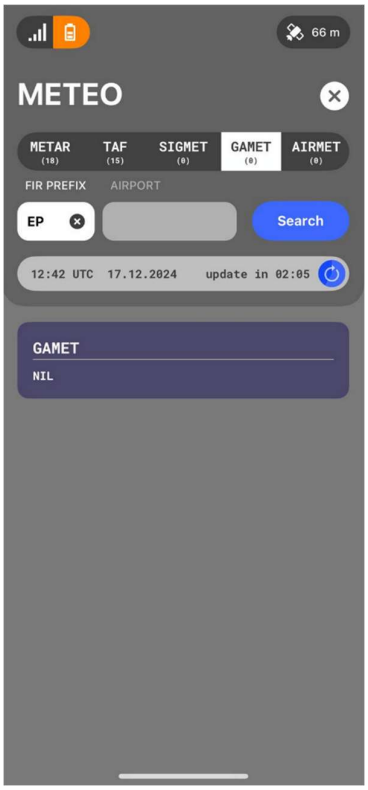
Description	Application allows to see *GAMET* messages in the *METEO* viewer including their number.
Use case	User wants to see the list of weather reports labelled *GAMET* with timestamp (time when messages were published). User wants to see all valid messages, or the last messages that were published before the loss of internet connection.
User interaction - System response	U: User taps on *METEO* icon from Inventory. S: Application displays list of *METEO* messages / weather reports which were published divided into five tabs: METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET. U: User select *GAMET* tab. S: Application displays all relevant messages.
	Screen displays *GAMET messages* in the *METEO viewer* section with group of filters for weather reports labelled*:* METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET.

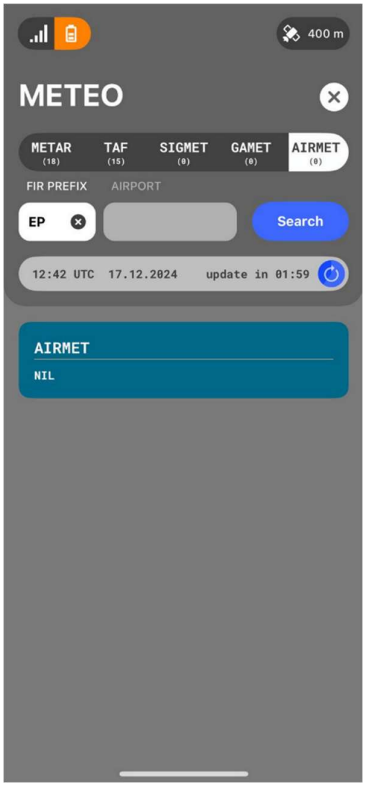
5.1.10.5 METEO viewer – AIRMET

Description	Application allows to see *AIRMET* messages in the *METEO* viewer including their number.
Use case	User wants to see the list of weather reports labelled *AIRMET* with timestamp (time when messages were published). User wants to see all valid messages, or the last messages that were published before the loss of internet connection.

User interaction - System response	U: User taps on *METEO* icon from Inventory. S: Application displays list of *METEO* messages / weather reports which were published divided into five tabs: METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET. U: User select *AIRMET* tab. S: Application displays all relevant messages.
	Screen displays *AIRMET messages* in the *METEO viewer* section with group of filters for weather reports labelled*:* METAR (including SPECI), TAF, SIGMET, GAMET and AIRMET.



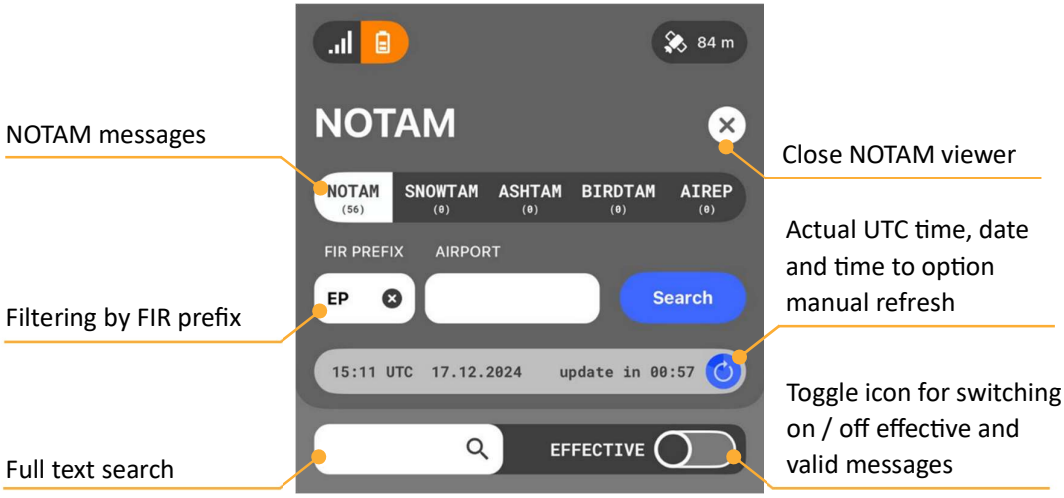




SIGMET, GAMET and AIRMET tabs. If data is not available, application displays instead of message text, just NIL. It is not possible to select / filtering messages by AIRPORT data.

5.1.11 NOTAM viewer

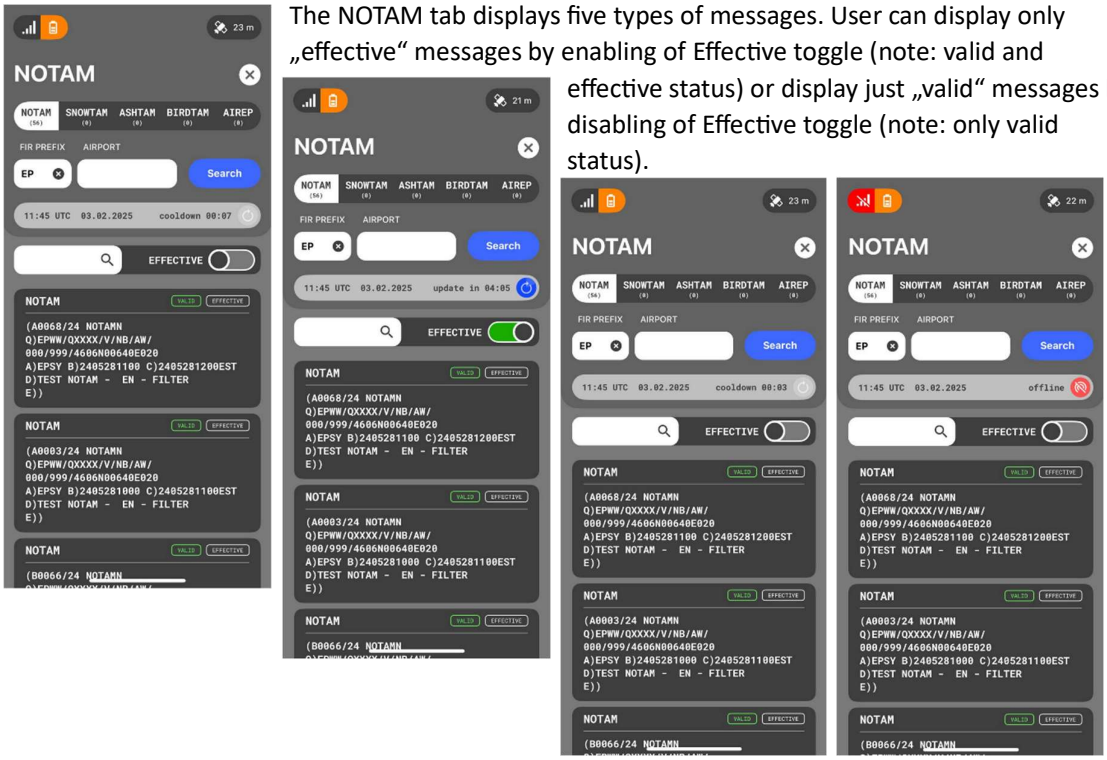
Description	Application allows to see the *NOTAM* viewer.
Use case	User wants to see the list of messages labelled NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP with timestamp (time when messages were published). User wants to see all valid messages (in NOTAM effective messages), or the last messages that were published before the loss of internet connection. All messages for FIR – EP or for airport.
User interaction - System response	U: User taps on *NOTAM* icon from Inventory. S: Application displays list of *NOTAM* messages reports which were published. ⚠ **Notice:** Colours for circle icon for manual refresh is the same as in METEO viewer.
	Icon displays *NOTAM viewer* section with group of filters for reports labelled NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP.



The NOTAM sticky header includes five message types (NOTAM, SNOWTAM, ASHTAM, BIRDTAM, AIREP), input fields for *FIR PREFIX* and *AIRPORT*, a *Search button*, and a bar showing current UTC time, date, and a manual refresh option.

5.1.11.1 NOTAM viewer - NOTAM

Description	Application allows to see *NOTAM* messages in the *NOTAM* viewer.
Use case	User wants to see the list of messages labelled NOTAM with timestamp (time when messages were published). User wants to see all valid messages (in NOTAM effective messages), or the last messages that were published before the loss of internet connection.
User interaction - System response	U: User taps on *NOTAM* icon from Inventory. S: Application displays list of *NOTAM* messages / reports which were published divided into five tabs: NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP. U: User select *NOTAM* tab. S: Application displays all relevant messages. **Notice:** There is a circle icon for manual refresh on the right side. Icon is: • grey, when application need to time for next request, • blue, when application is ready to refresh and • red, when device lost internet connection. The icon is the same for all NOTAM messages. **Notice:** Effective toggle is available only for NOTAM messages.
	Screen displays *NOTAM* messages in the *NOTAM viewer* section with group of filters for reports labelled NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP.



The NOTAM tab displays five types of messages. User can display only „effective“ messages by enabling of Effective toggle (note: valid and effective status) or display just „valid“ messages by disabling of Effective toggle (note: only valid status).

5.1.11.2 NOTAM viewer - SNOWTAM

Description	Application allows to see *SNOWTAM* messages in the *NOTAM* viewer.
Use case	User wants to see the list of messages labelled *SNOWTAM* with timestamp (time when messages were published). User wants to see all valid messages, or the last messages that were published before the loss of internet connection.
User interaction - System response	U: User taps on *NOTAM* icon from Inventory. S: Application displays list of *NOTAM* messages / reports which were published divided into five tabs: NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP. U: User select *SNOWTAM* tab. S: Application displays all relevant messages.
	Screen displays *SNOWTAM* messages in the *NOTAM viewer* section with group of filters for reports labelled NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP.

5.1.11.3 NOTAM viewer - ASHTAM

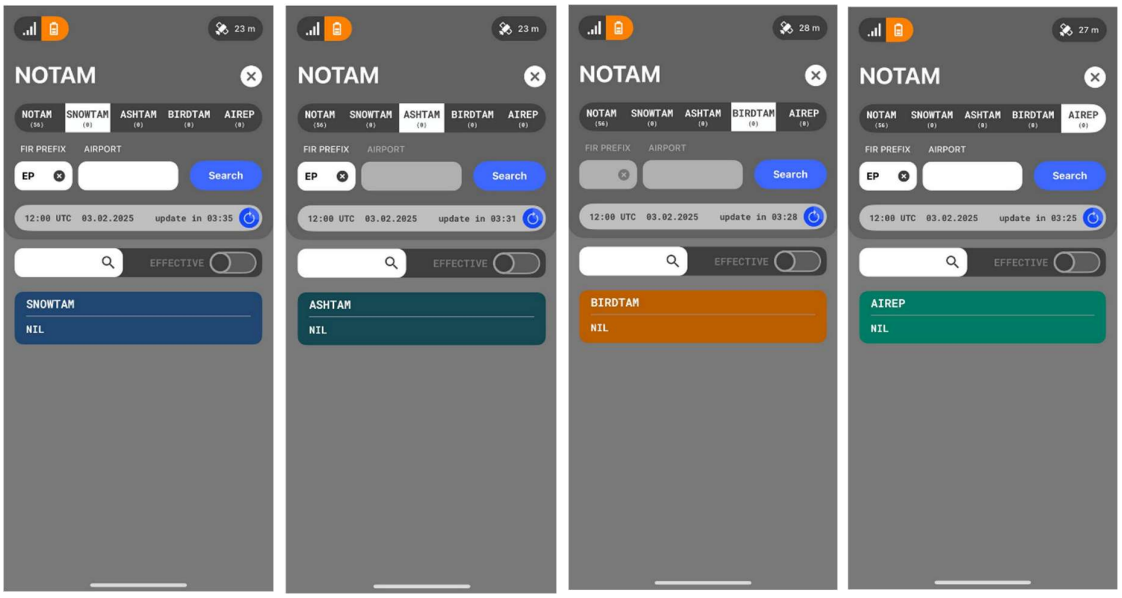
Description	Application allows to see the *ASHTAM* messages in the *NOTAM* viewer.
Use case	User wants to see the list of messages labelled *ASHTAM* with timestamp (time when messages were published). User wants to see all valid messages, or the last messages that were published before the loss of internet connection.
User interaction - System response	U: User taps on *NOTAM* icon from Inventory. S: Application displays list of *NOTAM* messages / reports which were published divided into five tabs: NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP. U: User select *ASHTAM* tab. S: Application displays all relevant messages.
	Screen displays *ASHTAM* messages in the *NOTAM viewer* section with group of filters for reports labelled NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP. **Notice:** *ASHTAM* tab does not include the option to filter by AIRPORT.

5.1.11.4 NOTAM viewer - BIRDTAM

Description	Application allows to see the *BIRDTAM* messages in the *NOTAM* viewer.
Use case	User wants to see the list of messages labelled *BIRDTAM* with timestamp (time when messages were published). User wants to see all valid messages, or the last messages that were published before the loss of internet connection.
User interaction - System response	U: User taps on *NOTAM* icon from Inventory. S: Application displays list of *NOTAM* messages / reports which were published divided into five tabs: NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP. U: User select *BIRDTAM* tab. S: Application displays all relevant messages.
	Screen displays *BIRDTAM* messages in the *NOTAM viewer* section with group of filters for reports labelled NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP. **Notice:** *BIRDAM* tab does not include the option to filter by FIR PREFIX and AIRPORT.

5.1.11.5 NOTAM viewer - AIREP

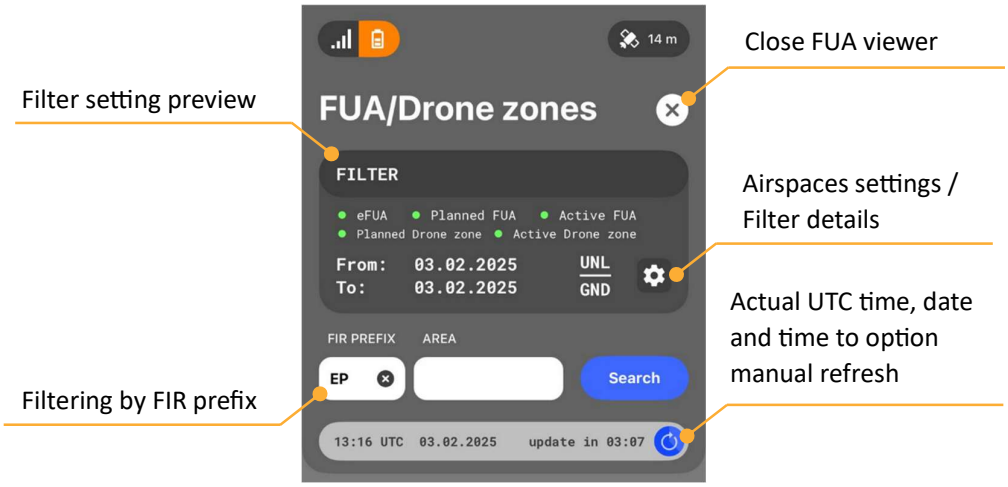
Description	Application allows to see the *AIREP* messages in the *NOTAM* viewer.
Use case	User wants to see the list of messages labelled *AIREP* with timestamp (time when messages were published). User wants to see all valid messages, or the last messages that were published before the loss of internet connection.
User interaction - System response	U: User taps on *NOTAM* icon from Inventory. S: Application displays list of *NOTAM* messages / reports which were published divided into five tabs: NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP. U: User select *AIREP* tab. S: Application displays all relevant messages.
	Screen displays *AIREP* messages in the *NOTAM viewer* section with group of filters for reports labelled NOTAM, SNOWTAM, ASHTAM, BIRDTAM and AIREP.



SNOWTAM, ASHTAM, BIRDTAM and AIREP tabs. If data is not available, application displays instead of message text, just NIL.

5.1.12 FUA viewer

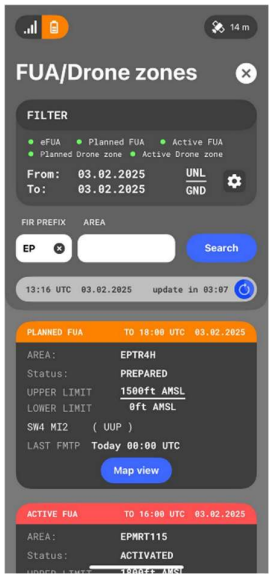
Description	Application allows to see the *FUA* viewer.
Use case	User wants to see the list of airspaces labelled eFUA, FUA and Drone zone.
User interaction - System response	U: User taps on *FUA* icon from Inventory. S: Application displays list of *FUA airspaces* which were published. ⚠ **Notice:** Content of *FUA viewer* icon is not part of the MVP.
	Icon displays *FUA viewer* section with group of filters for airspaces labelled eFUA, FUA and Drone zone. All airspaces can be filtered by activated / published / prepared / finished status.

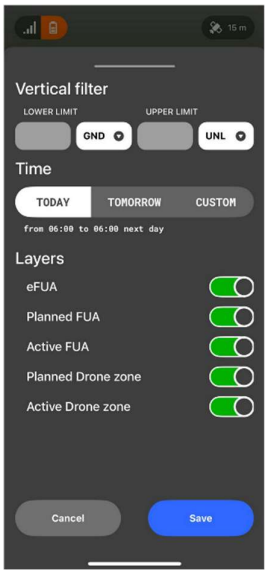


Default filter settings contains all active airspaces from ground to unlimited level. Displayed airspaces could be: *active* (status: active / activated) or *planned* (status: planned / published / prepared). List of airspaces displays active airspaces in red colour and planned airspaces in orange colour. For better user´s experience, is possible to filter data by FIR PREFIX or AREA.

5.1.12.1 FUA filter

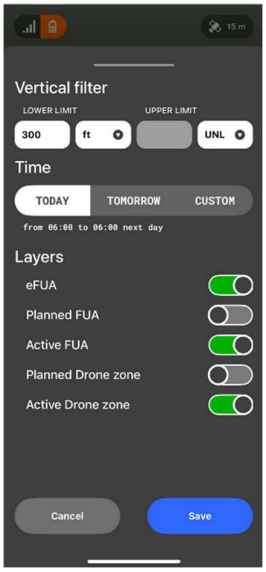
Description	Application allows to filtering the airspaces.
Use case	User wants to set the list of airspaces.
User interaction - System response	U: User taps on *Settings* icon from FUA sticky header. S: Application displays list of filters: - *Vertical filter* for lower / upper limit: *GND* (ground level), level in *ft, m, F* and *UNL* (unlimited level). - *Time filter*: *Today, Tomorrow* or *Custom* - *Layers: eFUA, planned FUA, active FUA, planned Drone zone* and *active Drone zone*
⚠	**Notice:** For lower limit *GND* and upper limit *UNL* is not possible to set height in numbers.
⚙	Icon displays *FUA Settings for airspaces.* All airspaces can be filtered by height, time and layers.

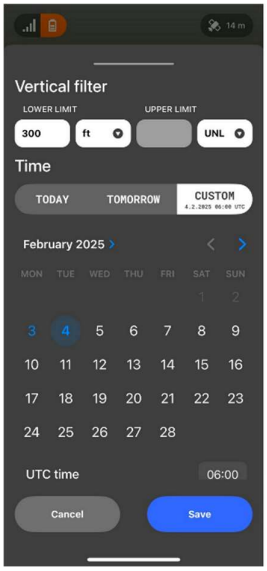




User activates the filter settings by pressing the settings icon / filter details. Filter settings includes the lower and upper limit for height level.

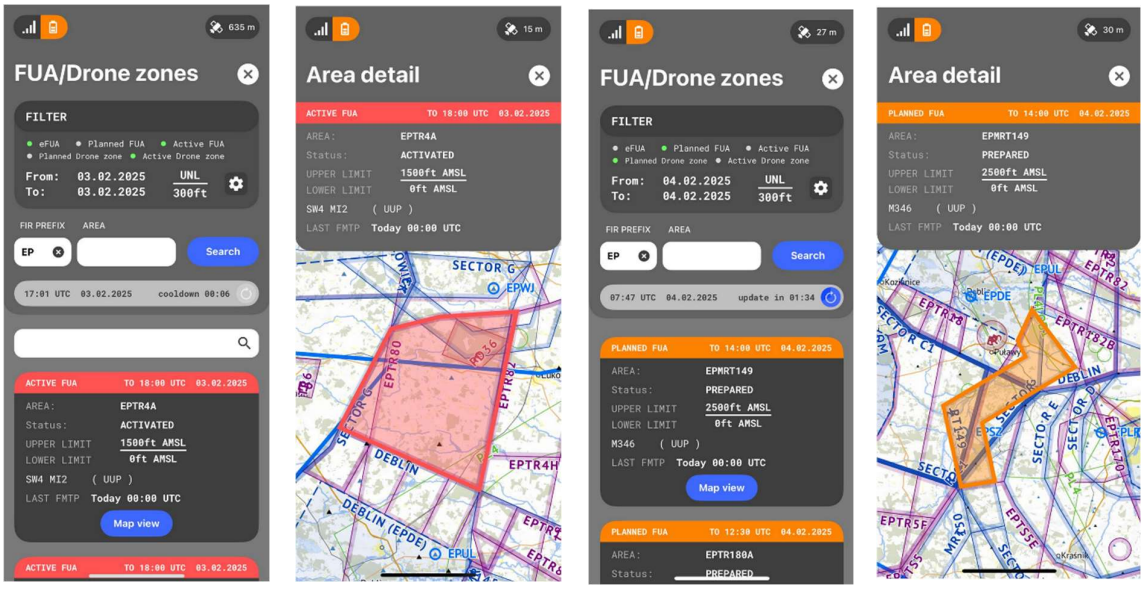
To set the height from the lower limit of 300 ft, to the upper limit UNL, proceed to the screen. User can enable or disable layer toggles as needed. Whether the layer is “on”, can be seen also in the basic FUA view.



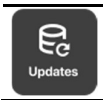


5.1.12.2 List of airspaces

Description	Application displays the filtered airspaces.
Use case	User wants to set the list of airspaces with more information and area detail.
User interaction - System response	U: User taps on *FUA* icon from Inventory, or select parameters from FUA setting filter. S: Application displays list of airspaces with text information about: Area, Status, Upper limit, Lower limit, LAST FMTP. U: User for more information taps on the *Map view* button. **Notice:** User can see only one selected airspace on the map, always zoomed in to fit the screen.
Map view	Button *Map view* is for more information and airspace displayed on the map.

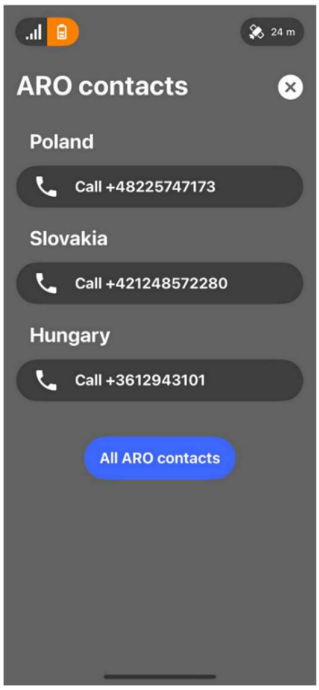


5.1.13 Updates

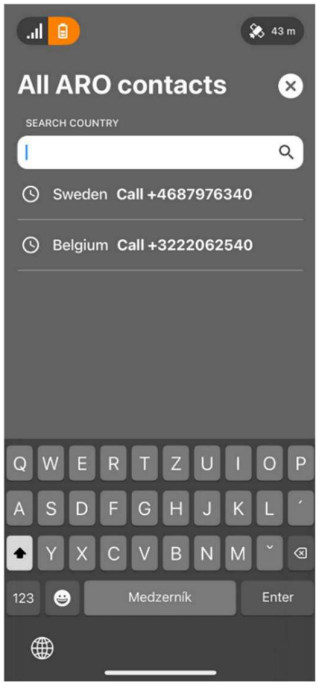
Description	Application allows to see the *Updates* viewer.
Use case	User wants to see the list of *Updates* reflecting data update status of Meteo data, Online airspaces, Privacy policy, Terms of use, Relief, EAD and map data, Search points, User profile, FPL, Flight logs, Aircraft, Recordings, User points and AIP documents.
User interaction - System response	U: User taps on *Updates* icon from Inventory. S: Application displays list of *Updates*. ⚠ **Notice:** For more information about *Updates viewer* see chapter 2.5.
	Icon displays *Updates viewer* section reflecting data update status of Meteo data, Online airspaces, Privacy policy, Terms of use, Relief, EAD and map data, Search points, User profile, FPL, Flight logs, Aircraft, Recordings, User points and AIP documents.

5.1.14 Call ARO

Description	Application allows to call ARO.
Use case	User wants to call to ARO in specific country. Application will offer a phone number.
User interaction - System response	U: User taps on *Call ARO* icon from Inventory. S: Application will offer the phone number +48 22 574 7173 and allow a direct call to ARO in Poland.
	Icon *Call ARO* allows to place a direct call ARO.



Quick dialling of the ARO button displays the option of direct calling to Polish, Slovak and Hungarian ARO. If necessary, it is possible to view other European direct ARO connections Use the search field to find the desired contact.



Recent searches / calls will be remembered for quick redial.

5.2 Main menu part Account

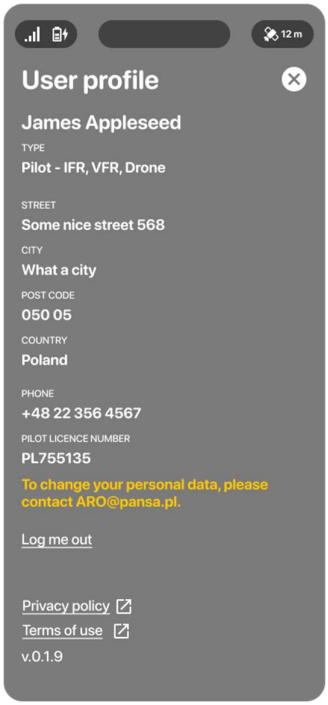
Description	Application displays *Main menu* in the bottom of home screen.
Use case	User wants to see information about user profile, password, setting and guide.
User interaction - System response	U: User slides up the bottom quick side horizontal sliding menu. S: Application shows main menu.

5.2.1 Profile

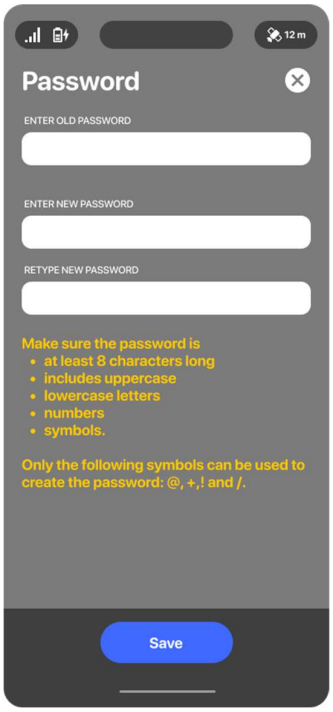
Description	Application displays *user Profile* icon in main menu in the Account.
Use case	User wants to see all information about own profile. User can add new or edit user profile exclusively in IWB, not in application.
User interaction - System response	U: User taps on *Profile* icon from Account. S: Application displays information from user profile.
	Notice: User profile cannot be created in the application! It is possible to create only via IWB.
	Notice: The application displays data added only through IWB.
	Icon displays an option to see user profile information such as name, address, phone number, etc.

5.2.2 Password

Description	Application displays *Password* icon in main menu in the Account.
Use case	User wants to change password to application.
User interaction - System response	U: User taps on *Password* icon from Account. S: Application displays empty fields to enter old and new password. Retype new password is needed. ⚠ **Notice:** Password must have at least 8 characters, include uppercase and lowercase letters, numbers and symbols (@, +, ! and /).
	Icon displays an option to change password.



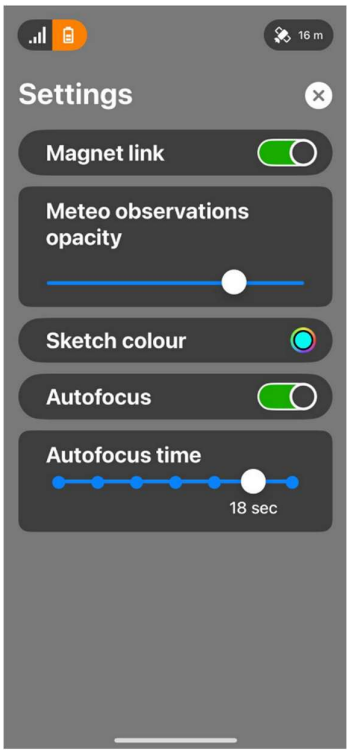
User profile screen contains essential information about the pilot, direct links to Privacy policy and Terms of use and an option to log out. Please note that logging out will result in data loss, as associated VFR application data will be removed from the device.



The password screen contains fields for the old password and two fields for the new password.

5.2.3 Settings

Description	Application displays *Settings* icon in main menu in the Account.
Use case	User wants to change setting parameters in application.
User interaction - System response	U: User taps on *Settings* icon from Account. S: Application displays parameters that can be set by the user. Parameters are magnet link, meteo observations opacity, sketch colour and autofocus. **Notice:** Scope and content of parameters may vary up to app version.
	Icon displays an option to change parameters of application.



5.2.3.1 *Autofocus*

Description	Application settings contain possibility to switch on / off of Autofocus.
Use case	User wants to see their aircraft´s position, even when viewing a map moved beyond their current location.
User interaction - System response	S: *Autofocus* is inactive by default. The pilot sets the functionality manually in *Settings* if they want to use it. *Autofocus* helps the pilot to concentrate on controlling the aircraft during the flight and at the same time return to main screen without additional user action. U: User sets *Autofocus ON* in *Settings* and chooses the time period from 8 to 20 seconds for applying the functionality. The user touches the screen to manually move the map and once they lift their, the countdown begins. **Notice:** Is recommended to use autofocus only during the flight. If the user is not flying, he can use the *Find me* functionality.
	UI component example displays *Autofocus OFF.*
	UI component example displays *Autofocus ON* a possibility to set time scale from 8 to 20 seconds.

5.2.4 Guide

Description	Application displays *Guide* icon in main menu in the Account.
Use case	User wants to have more detailed information about application.
User interaction - System response	U: User taps on *Guide* icon from Account. S: Application will allow the user to download user manual in PDF format.
	Icon displays an option to link users on PANSA web with user manual.

6 Map actions

Chapter contains basic information about the behaviour of the application in the case of moving above the map and long press on the screen. UI elements are specific for aviation.

6.1 Long press

Description	Application displays *map* on the home screen. It is map layer on which there are points representing airports.
Use case	User wants to see information about point on the map. Point can be the airport or some other point on the map.
User interaction - System response	U: User moves and slides the map by holding their finger on the screen for a longer duration, i.e. long press. S: Application displays *Feature info panel* screen belongs to airport or *Map point* screen belongs to other selected point on the map.

Long press on the aerodrome symbol opens *Feature info panel* (See Chapter 6.1.1 Airport)

Long press on the other point on the map opens basic information about *Map point.* (See Chapter 6.1.2 Map point)

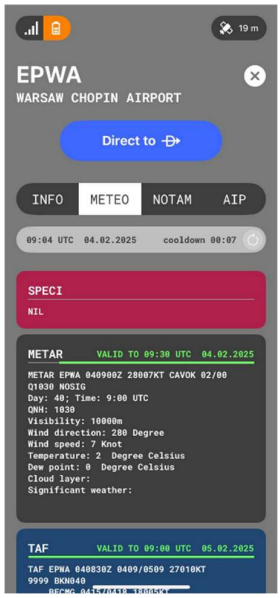
6.1.1 Airport

Description	Application displays Feature info panel of airport.
Use case	User wants to see more information about airport.
User interaction - System response	U: User moves or slides above the map, find airport. Long press on the aerodrome symbol. S: Application shows *Feature info panel* for selected airport. Information in sticky header such as ICAO and Aerodrome name are visible. Button *Direct to* is also still available.
	Aerodrome symbol displays the airport located somewhere in the map.

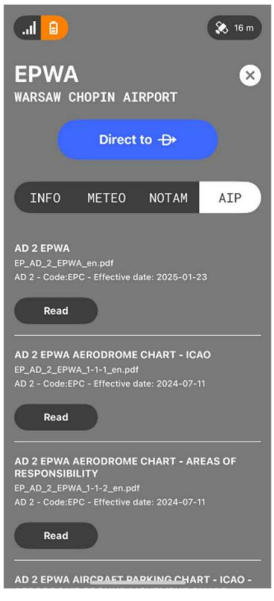
6.1.1.1 *Airport Feature info panel*

Description	Application displays information about selected airport divided into four sections / tabs.
Use case	User wants to see information pertaining to the selected airport.
User interaction - System response	After tapping on the aerodrome symbol will open the *Feature info panel* with four section: INFO, METEO, NOTAM and AIP. There are information about searched airport on the map. U: User selects *INFO tab*. S: Application shows information about Elevation (*ELEV*), Runways (*RWY*) and Frequences (*FREQ*) of selected airport. When is set English language, all frequences are in English. When is set Polish language, all frequences are in Polish. U: User selects *METEO tab*. S: Application displays *SPECI / METAR* and *TAF* messages, along with a validation time progress bar with UTC time and date, for the selected airport. U: User selects *NOTAM tab*. S: Application displays *SNOWTAM* and all *NOTAM* messages (valid and effective), for the selected airport. U: User selects *AIP tab*. S: Application shows list of AIP documents without further specification of numerical order.

The INFO screen (first part of Feature info panel) shows information about elevation (ELEV), runways (RWY) and frequencies (FREQ) of the selected airport.

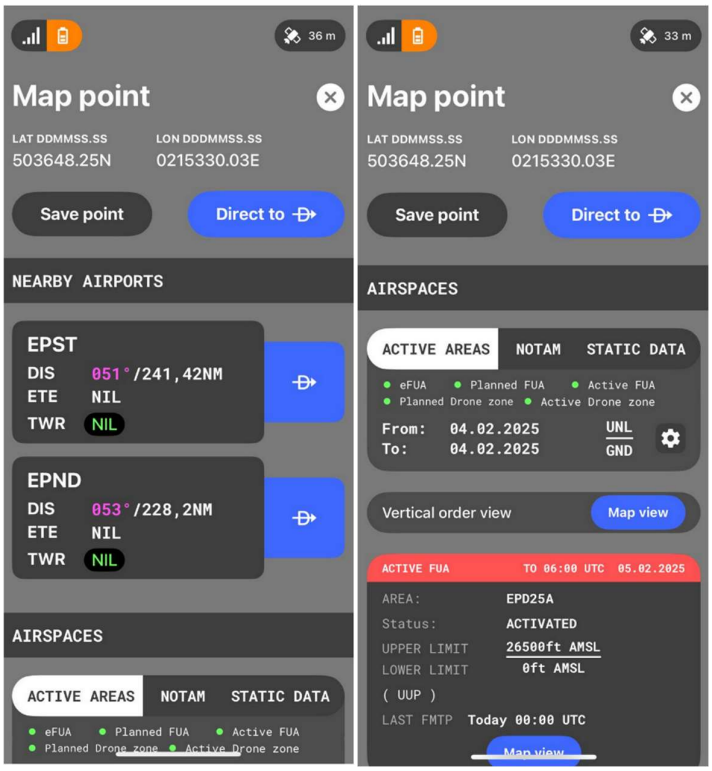


List of METEO messages, List of NOTAM messages and List of AIP documents related to airport is shown in the next screens.

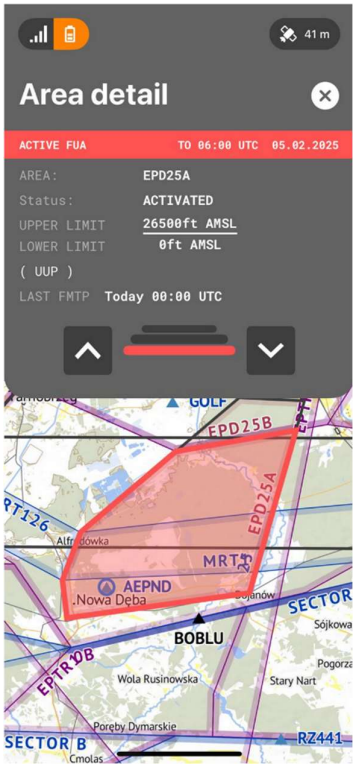


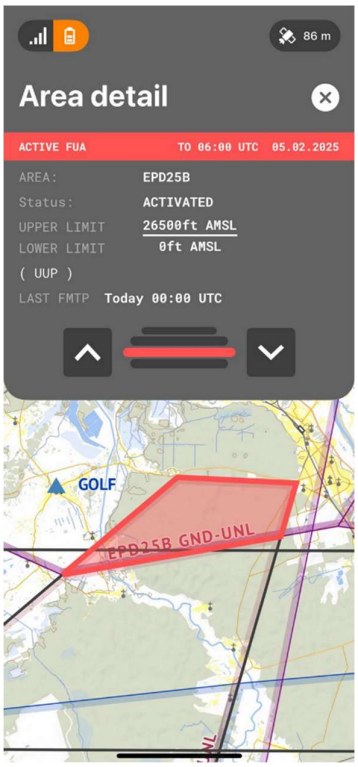
6.1.2 Map point

Description	Application displays all relevant information about selected point. There are location information, nearby airports and information about airspaces.
Use case	User wants to see all relevant information about selected point.
User interaction - System response	U: User moves or slides above the map, find important point. Long press on the point. S: Application displays *Map point* screen. 1. *Sticky header* is always visible. There are: - the information about location of the point (Latitude, Longitude) - an option to save the point among favorite points (button *Save point*) or - an option to start the flight directly to the selected point (button *Direct to*). 2. *Nearby airports*. There are two nearest airports, for which the application displays basic information such as ICAO code, Heading, Distance (DIS), ETE and TWR frequency. Each airport´s Information is provided on a separate plate. User can click to airport´s plate and the application displays airport *Feature info panel* (See Chapter 6.1.1.1 Airport Feature info panel). User can click to blue icon on the right side of airport´s plate to start the flight direct to the airport. 3. *Airspaces*. Placement from the top to bottom: - on the top is a multiple airspace filter (See Chapter 5.1.12.1 FUA filter), - vertical order view with primary button Map view offers an option to view airspaces in vertical overview. UI element accurately displays the airspaces´ locations based on their respective altitude levels. - List of airspaces with text information and an option to place them on the map. ⚠ **Notice:** Orange colour is for planned (note: planned, published or prepared) airspace. Red colour is for active (note: active or activated) airspace.
	Vertical order view symbol displays the lowest airspace. Vertical order view symbol displays the airspace, that has at least two other airspaces below it and at least two other airspaces above it. Vertical order view symbol displays the highest airspace.


36 m
Map point
LAT DDMMSS.SS
503648.25N
LON DDDMMSS.SS
0215330.03E
Save point
Direct to
NEARBY AIRPORTS
EPST
DIS 051°/241,42NM
ETE NIL
TWR NIL
EPND
DIS 053°/228,2NM
ETE NIL
TWR NIL
AIRSPACES
ACTIVE AREAS
NOTAM
STATIC DATA
eFUA
Planned FUA
Active FUA
Planned Drone zone
Active Drone zone

33 m
Map point
LAT DDMMSS.SS
503648.25N
LON DDDMMSS.SS
0215330.03E
Save point
Direct to
AIRSPACES
ACTIVE AREAS
NOTAM
STATIC DATA
eFUA
Planned FUA
Active FUA
Planned Drone zone
Active Drone zone
From: 04.02.2025
To: 04.02.2025
UNL
GND
Vertical order view
Map view
ACTIVE FUA
TO 06:00 UTC 05.02.2025
AREA: EPD25A
Status: ACTIVATED
UPPER LIMIT 26500ft AMSL
LOWER LIMIT 0ft AMSL
(UUP)
LAST FMTP Today 00:00 UTC
Map view


41 m
Area detail
ACTIVE FUA
TO 06:00 UTC 05.02.2025
AREA: EPD25A
Status: ACTIVATED
UPPER LIMIT 26500ft AMSL
LOWER LIMIT 0ft AMSL
(UUP)
LAST FMTP Today 00:00 UTC
GOLF
EPD25B
EPD25A
AEPND
Nowa Dęba
BOBLU
SECTOR
EPTR10B
Wola Rusinowska
Stary Nart
Poręby Dymarskie
SECTOR B
RZ441


86 m
Area detail
ACTIVE FUA
TO 06:00 UTC 05.02.2025
AREA: EPD25B
Status: ACTIVATED
UPPER LIMIT 26500ft AMSL
LOWER LIMIT 0ft AMSL
(UUP)
LAST FMTP Today 00:00 UTC
GOLF
EPD25B GND-UNL


79 m
Area detail
PLANNED FUA
TO 14:30 UTC 04.02.2025
AREA: EPTS5E
Status: PREPARED
UPPER LIMIT 9500ft AMSL
LOWER LIMIT 2000ft AMSL
M346 (UUP)
LAST FMTP Today 00:00 UTC
EPTS5E
MRT147
EPTS76
TR10A
SECTOR D