



ATS units in SAR and GADSS



“AZERAERONAVIGATION”

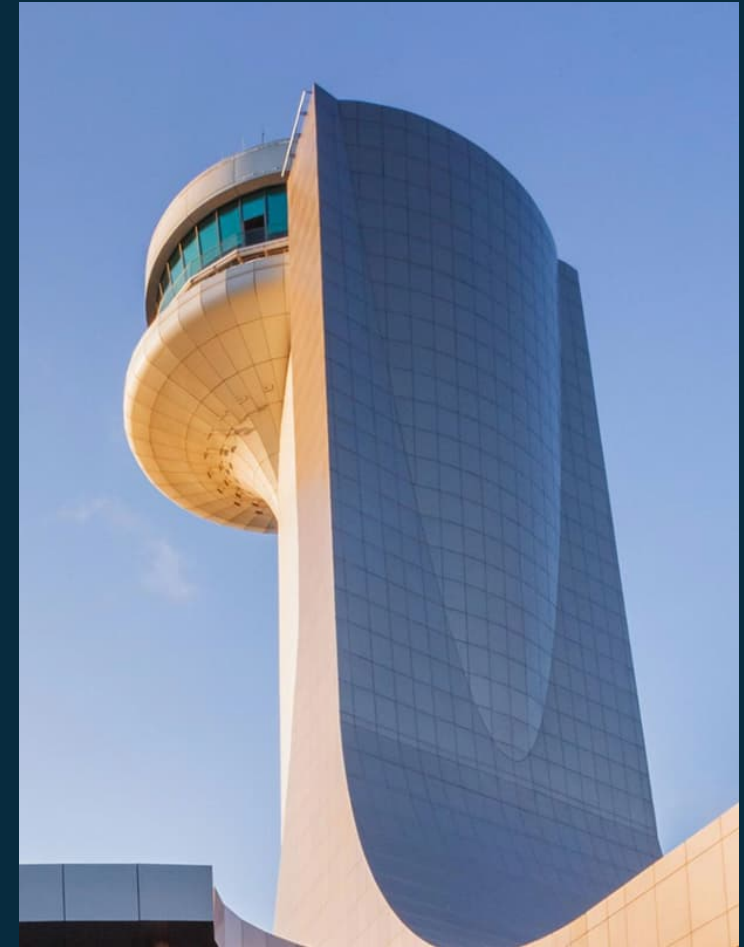
Air Traffic Department (AZANS)



Flight Information Region :	Baku FIR
Terminal Control Area :	4
Length of airways :	11000+ KM
Daily IFR traffic :	800+ ACFT
Area Control Center :	1 (5 sectors)
Approach Control Units :	4
Tower Control Units :	10
Total number of employees :	751 (210 ATCOs)

“Alerting post” Establishment

- SCAA (State Civil Aviation Agency) decree number 17 dated 5 July 2010 established “Alerting post”
- “Azerbaijan Airlines” CJSC decree number 1 dated 6 January 2015 - post transferred to AZANS responsibility
- Job description for “Alerting post’ approved by SCAA on 4 January 2015
- Procedure for notifying relevant services with information about receipt of ELT beacon activation by the “Alerting post” specialist





Actions performed by “Alerting post” on receipt of “ELT” signal from State Marine and Port Agency (SMPT)

01. Alerting Scheme

- * Ministry of Emergency Situations
- * ATC Supervisor on duty
- * State Border Service
- * SCAA
- * Airport Operation Center





Actions performed by “Alerting post” on receipt of “ELT” signal from State Marine and Port Agency (SMPT)

02. Identify location and other information of aircraft transmitting ELT signal

- Coordinates of the aircraft location
- FPL data (callsign, type of aircraft and if possible type of emergency, number of PAX, fuel endurance, dangerous goods on board, ADEP, ADES, other information)
- Whether ACFT under control of ATCO or not
- Country of registration of aircraft operator





Actions performed by “Alerting post” on receipt of “ELT” signal from State Marine and Port Agency (SMPT)

03. Provide detailed information to stakeholders according to “Alerting scheme”

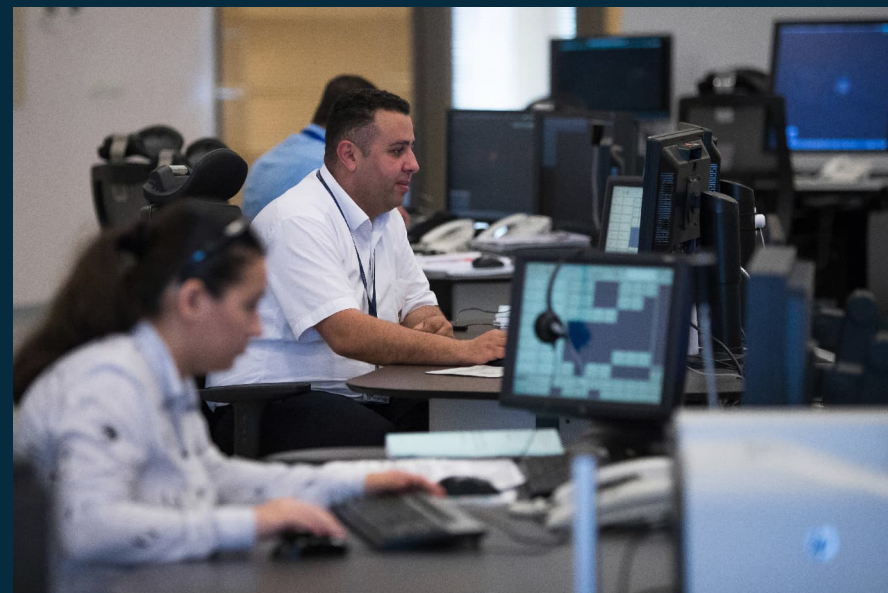
Location of aircraft transmitting ELT signal is within Baku FIR:

Provide detailed information to stakeholders according to “Alerting scheme”

If the ACFT is of Azerbaijani registry:

Additionally provide information to:

- OCC Azerbaijan Airlines
- OCC Silkway Airlines





Actions performed by “Alerting post” on receipt of “ELT” signal from State Marine and Port Agency (SMPT)

03. Provide detailed information to stakeholders according to “Alerting scheme”

Location of aircraft transmitting ELT signal is outside of Baku FIR:

- Provide detailed information to stakeholders according to “Alerting scheme”
- Inform adjacent ATCCs





Aireon “LOCATE”

Enabling new levels of surveillance and safety capabilities for search and rescue applications



- Aireon Locate is a cloud-based platform that provides users the ability to determine the location of an ADS-B equipped aircraft in an apparent alert or emergency within a defined airspace to aid in search and rescue operations.
- Aireon Locate focuses on the last 15 minutes of ADS-B data received for the selected aircraft. The data includes timestamp, aircraft ID, Mode 3/A code, latitude, longitude, altitude, speed, and track angle (heading) information at one-minute intervals for minutes 2-15, and the same information at 4- to 5-second intervals for the last 1 minute.

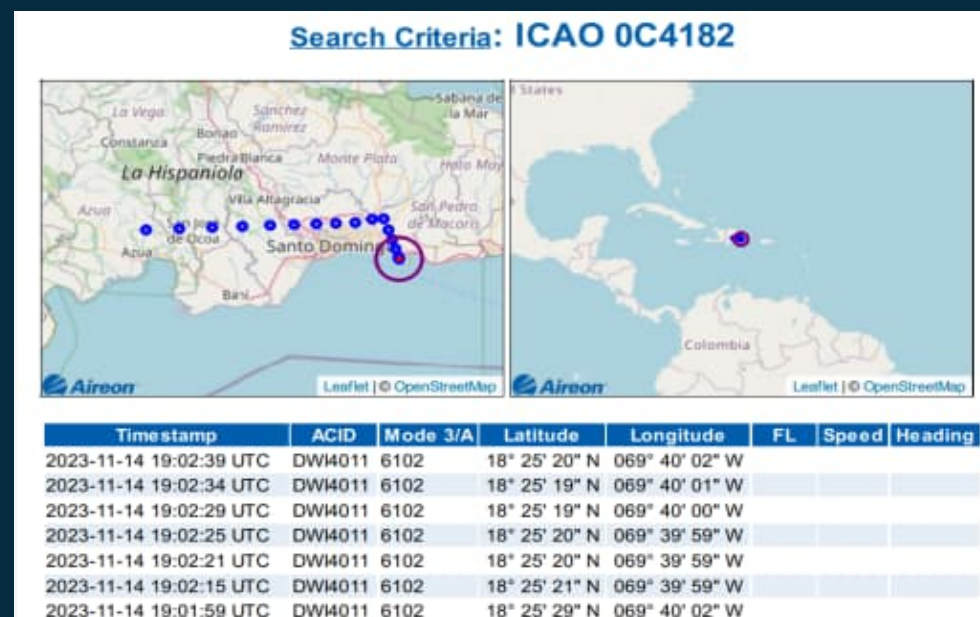


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To search for an aircraft, a user needs to enter either the ICAO 24-bit address or the Aircraft ID (ACID). Reports are provided by email in two formats:

- The PDF report provides a text-based output of the data.
- The KML report provides a way to import the same data into any KML viewer, for example, Google Earth for a visual / interactive view. Only Flights from the last five days are available for a search





Aireon “LOCATE”

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Aireon “LOCATE” Users Scheme

- AZANS
- Ministry of Emergency Situations
- State Border Service
- SCAA
- State Maritime and Port Agency
- Airport Operation Center
- AZAL OCC
- SW OCC

Aireon Locate Aircraft

ICAO Address or Aircraft ID

Locate an aircraft by ICAO Address or ICAO Aircraft ID from the last 5 days.

This functionality is just for ADS-B 1090MHz QUT transponders

ICAO 24-bit address / Hex Code

Enter value

The unique identity allocated to an individual aircraft or registration

OR

ICAO Aircraft Id

Enter value

Target, aircraft or vehicle identification in 8 characters as reported by the target

Submit

Version 1.4

**Thank You
for your
attention!**

