

Air Observation System (AOS)



The Air Observation System is an Early Warning System that is developed to provide border protection for geographical areas not covered by strategic radars due to the terrain or low altitude flight. It allows various observation centers to relay encrypted messages in a fast and straightforward manner reporting any suspicious intrusions.

System Features



Ability to monitor observers, monitoring centers, and receive warnings



Create reports about historical activities including alerts and alarms



It allows disabling the field monitoring unit as well as deleting all collected data



Receiving and initiating calls from/to monitoring bases



Support visual and audio warnings



Sending text messages to monitoring centers



View previous warnings and alerts



View previous messages



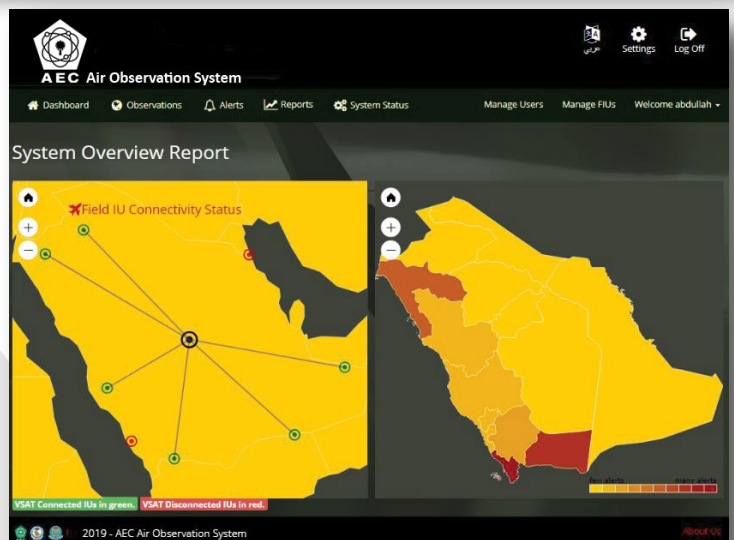
Supports Arabic and English languages

User Types

System Administrator

Fighter Guiders

Commanders



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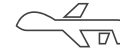
Detectable Objects By the System



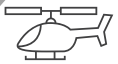
Military Aircrafts



Commercial Aircrafts



Unmanned Air Vehicles



Helicopters



Fighter Jets



Ballistic Missiles

Communication Units Capabilities and Types

Communication units used in monitoring bases:

- ◆ Communicate with field handheld device.
- ◆ Receive orders from airbases and transmit it to handheld device.
- ◆ Encrypt all transmitted data and decrypt received data.
- ◆ Receive messages and warnings from the mobile device and send it to the communication units used in airbases.
- ◆ Select communication method based on the availability of Satellite network (Primary), HF communication (secondary), or Cellular network (secondary).
- ◆ Provide enough power to charge the handheld device.
- ◆ Support audio communication with the main base.

Communication units used in airbases:

- ◆ Receives warnings and alerts from monitoring bases and transmits them to airbase servers.
- ◆ Encrypt all transmitted data and decrypt received data.
- ◆ Send the received data from airbases to the communication units used in the monitoring bases.
- ◆ Select communication method based on the availability of Satellite network (Primary), HF communication (secondary), or Cellular network (secondary).
- ◆ Relay voice calls from airbases to the monitoring bases.



Front Interface of
AOS

