

APOS

Automatic Position Transmission System



UHF Transmitter 225 – 400 MHz

APOS

APOS is a stand-alone system which transmits periodically GPS based position data for tracking purposes in cases where an aircraft cannot be detected by radar. The data – position, height, speed, ident – will be sent in ciphered mode to the ground station.

Application: - Fighter aircraft tracking
- Civil aircraft hijacking

APOS can be modified for other operational requirements.

DESCRIPTION

Functional Units:

- GPS Receiver
- Voice/Data Encryption Unit
- V/UHF Transmitter
- V/UHF Receiver (Option: Uplink)

Application: Tracing aircraft at the ground station through periodic reception of position data and aircraft identification.

If the aircraft cannot be traced and controlled by radar, the ground station has the possibility of receiving data from the aircraft including position, height, speed and identification. These data can be supplemented by status information also provided by the aircraft.