



RADIAN

RADAR AND COMMUNICATION CHANNELS MONITORING SYSTEM

The system is designed to control multi-sensor processing quality and for compliance check.

Monitored parameters:

- of surveillance data sources
- of communication channels

FUNCTIONALITIES

The system provides:

- Collection, processing and presentation of radar flight tests results (complete, unscheduled, verifications, and monthly) using dedicated aircraft and/or scheduled aircraft flight
- Monthly checks for radars readiness for ATC support
- Radar malfunction alert messages for technical personnel
- Communication lines operability monitoring, and operator alert in case of failure
- Recording and storage of current surveillance data for the preset period
- Calculation of probabilistic and accuracy characteristics of monitored surveillance equipment
- Data receipt from radars (PSR, SSR, including mode S), ADS-B stations, MLAT via asynchronous and/or synchronous RS-232 interface, via Ethernet (UDP) using ASTERIX and other formalized protocols for surveillance data transmission.

STRUCTURE

Data processing and storage server
Operator's workstation

