МАКЕТ СТРАНИЦЫ САЙТА АНГЛИЙСКАЯ ВЕРСИЯ

AIRFIELD MULTILATERATION SURVEILLANCE SYSTEM “TETRA”

Подраздел (Subsection): AMLSS “TETRA”

Заголовок (Title):

(фото под заголовком – файл JPEG,205 kb)

Подраздел: “Air Traffic Control”:

Заголовок: “TETRA” AERODROME MULTILATERATION SURVEILLANCE SYSTEM

Назначение - “PURPOSE:”

“TETRA“ is intended for detection, surveillance and identification of aircraft during the flights in aerodrome area, takeoff and landing, taxiing and parking, as well as of transportation vehicles and ground based objects equipped with transponders and present within the terminal zone.

Преимущества - “ADVANTAGES:”

- possibility of architecture based both on unified and distributed time;

- detection of aircraft and transportation vehicles on the aerodrome surface within the limits of movement area;

- detection of aircraft within the limits of aerodrome zone at altitudes of up to 100m, and in approach zone at a distance of up to 10km from the runway thresholds;

- accuracy of up to several meters of defining position of surveillance objects with data renewal rate of 1s;

- exercising the function of monitoring of aircraft approach for landing on to parallel runways with maintaining aircraft landing altitudes;

- flexibility of placement architecture and geometry for the system elements owing to simultaneous application of the principles of unified and distributed time;

- high fault-tolerance and independence from the third alien systems including global satellite navigation;

- automatic monitoring of technical status of system elements;

- radar data recording and storage within 30 days;

- ensuring growth of terminal traffic capacity and safety;

- low expenses for arrangement and subsequent operation of ground-based stations.

Подраздел «Принципы работы»:

AMLSS “TETRA” ensures the following:

radar detection and tracking for aircraft and transport aids equipped with respective transponders and located within airfield movement area, as well as for aircraft located within air approach zone on each heading at a distance of up to 10km from runway thresholds; identification of all objects equipped with respective transponders and located within coverage zone of mutilateration system; representation of data in A-SMGCS CAF “VEGA”.

Подраздел "Design of AMLSS “TETRA”:

- Receiving, transmitting stations and ground-based transmitter-responder;

- SW-HW complex for data processing;

- Power supply unit;

- Switching unit;

- Storage batteries unit;

- Remote control terminal;

- Set of antennas.

Подраздел “Data”

- ссылка «Detailed description» - ссылка на PDF файл AMLSS “TETRA” ENG (2,89Mb)

Подраздел “Gallery” - Фото из папки «Галерея» - 9 шт.