



DFS Aviation Services

A brand of experience

VisAV-E

A powerful tool to support technical supervision, analysis and verification

Introduction

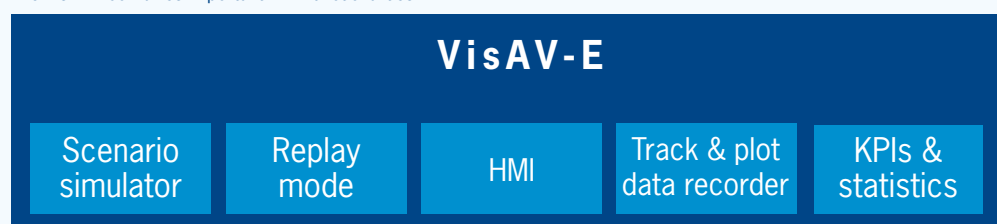
The VisAV-E Software is a standalone tool for the technical supervision, analysis and verification of ground and air surveillance situations. It provides customers with a set of advantageous functions, reportings, KPIs and statistics to monitor the performance of their sensors and ATS system during all life-cycle phases. The tool has been developed for Linux platforms and combines the experience of decades of technical, surveillance and operational experts.

Features

By using the graphical interface of VisAV-E – the Analysis Working Position (AWP) – users are provided with a whole range of helpful ATM tools combined into one:

- **Showing the same comprehensive data situation as an HMI for a Controller Working Position** by displaying the air or ground map, the current flight plan list, the altimetry and temperature values, system weather data, tracks and safety net alarms.
- **Numerous essential KPIs to verify performance requirements, such as ED-87c for an A-SMGCS** including sensor coverage, probability of detection, position/velocity accuracy and number of tracks or plots.
- **Display of raw sensor data as plots and radar weather data.** This data can be inspected visually as well as explored and analysed online or offline through special dialogues on a binary level with the help of various filters, such as areas, data sources, time intervals and ASTERIX items.
- **Record and replay with real-time correction** of all received ASTERIX data.
- **Repeatable performance verification of specific traffic situations or safety net performance** by offering artificial scenario generation, replay tools and adaptable test scripts.

The VisAV-E combines important ATM functionalities:





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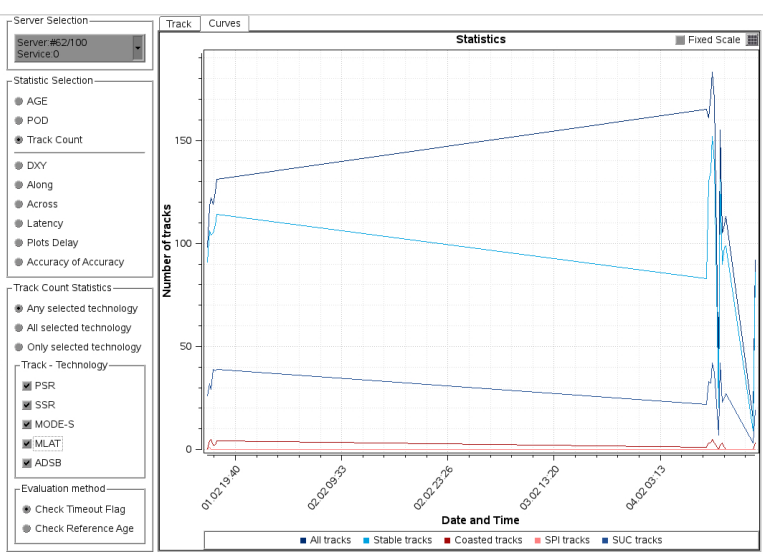
A brand of experience

Benefits

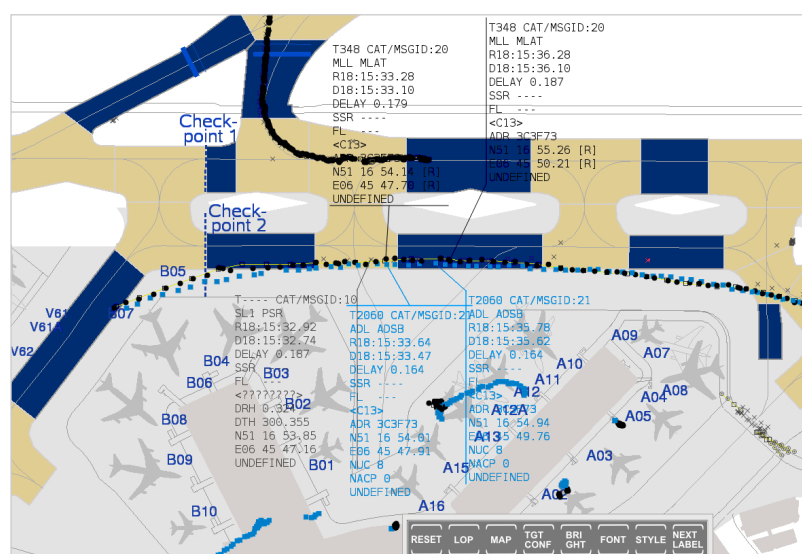
- ATM-specific tool used and developed by ATS and tracking experts
- Easy to use by non-tracking staff
- 10 years of continuous improvement
- Important incident analyses
- Evaluation, verification and monitoring of sensor/tracker performance
- Extensive testing of ATS systems
- Evaluation of standards, such as ED-87c, ED-117a and ED-116
- Support of EUROCONTROL ASTERIX categories and ADEXP format
- Faster and more economical testing

References & Customers

- **Milan Linate Airport, Italy**
A-SMGCS system verification in 2018.
- VisAV-E is the designated evaluation tool for the largest DFS tower locations (Düsseldorf, Frankfurt, Munich, Berlin, Cologne Bonn and Stuttgart).
- The tool has been designed for ANSPs and operators as well as for manufacturers of ATS systems and sensors.



Exemplary track statistics



Detailed technical plot and track information