



ICZ LETVIS® - SIM ATC Training Simulator

TRAINER FOR AIR TRAFFIC CONTROLLER EXERCISES

THE ICZ LETVIS® SIM (ATC TRAINING SIMULATOR) PRODUCT SIMULATES A COMPREHENSIVE IMAGE OF AN AIRSPACE SITUATION DESIGNED FOR THE TRAINING OF ATC CONTROLLERS.

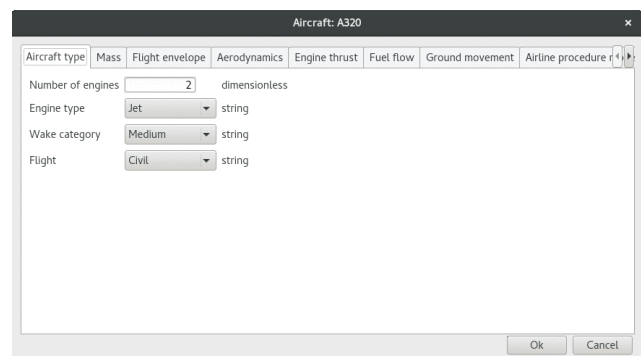
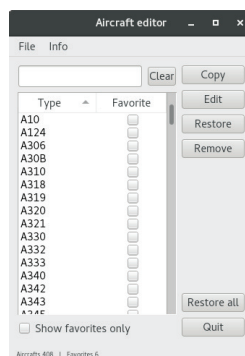
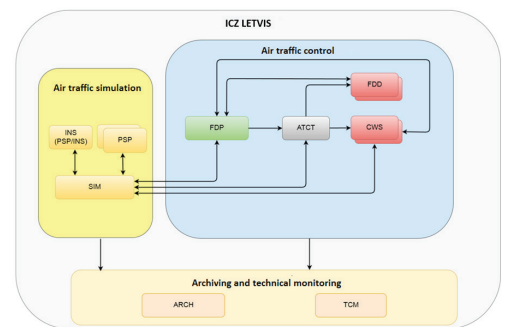
The ICZ LETVIS® SIM product is a training module for the ICZ LETVIS® system. It simulates radiolocation information, information about flight plans acquired through custom processing, and their subsequent generation and display, made available to local workstations through a LAN network.

The processing of radar and flight data takes place in real time and provides control stations with the same information as real air traffic control stations. It provides a control interface for managing exercises (ICZ LETVIS® INS) and for managing flight movements and parameters (ICZ LETVIS® PSP).



[BASIC FUNCTIONS]

- ▶ Simulation from real operation
- ▶ Simulation from exercises according to a mathematic model
 - Real aircraft characteristics (climbing, descending, accelerating, decelerating)
 - Modification of aircraft cargo and fuel – changes aircraft characteristics
 - Atmospheric model – impact of temperature and pressure on aircraft characteristics
- ▶ Generation of multitrack information
- ▶ Generation of radar information
 - Scan
 - Plot
- ▶ Connection to other simulators
 - HLA
- ▶ Setting technical parameters of aircraft models
- ▶ Control interfaces for
 - Managing exercises
 - Pseudo-pilot
- ▶ Data archiving
- ▶ Logging



[ICZ LETVIS® - SIM]

■ APPLICATION SW AND OPERATING SYSTEM

OPERATING SYSTEM	LINUX SLED/SLES 12 AND HIGHER
Application SW	The ICZ LETVIS® SIM SW product includes: <ul style="list-style-type: none"> ▶ SIMser process ▶ HLAbriidge standard interface ▶ AircraftEditor

■ HARDWARE AND TECHNICAL PARAMETERS

Basic HW	HP/DELL/COTS – INTEL platform
Multitrack output data format	ASTERIX cat 62/65, UAP Alas6
Radar data output data format	Scan: ALES – Scan Plot: ASTERIX cat 34/38
Interface with other simulators	HLA
LAN	Ethernet, TCP/IP, UDP/IP
Maximum number of connectable sources of surveillance data	128
Maximum number of generated multitracks	1 000
Maximum number of assigned targets	100
Input/output data protocol	ALES-XML message format

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