

Avionics Systems Upgrade and Integration



Objective

Introduction of the new integrated avionics systems and airborne instruments to meet the requirements of modern battlefield.

The scope

- precise navigation based on INS, GPS, VOR/DME/ILS/MRK/TACAN, and Air Data Unit (ADU)
- head-up display (HUD) with a rear-cockpit repeater and multi-function displays (MFD)
- real-time and rotary digital map
- communications systems including the wide-band radio station
- armament management systems extended with selected components of simulated air weapons
- integration of the whole system through MIL-STD-1553b airborne digital data bus
- remote flight monitoring system (including on-line transmission of selected flight data to a ground station)
- modified cockpit architecture and a new cockpit-abandoning system with modern ejection seats



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