Research of safety at airports with poorly developed infrastructures using GNSS navigation

Základný výskum bezpečnosti na letiskách s nedostatočne rozvinutou navigačnou infraštruktúrou využívajúcich GNSS

Funding: National (Slovakia)
Duration: Jan 2012 - Dec 2014
Status: Complete

Objectives:
The aim of the project is to analyse the safety of air traffic in the area of satellite navigation services. The key question is whether it is possible to use the GNSS systems as the sole source of navigation information to ensure IFR operations at airports with poorly developed infrastructure. The question of safety is paramount, however, largely depends on the settings of the only correct safety procedures. Research is focused on security procedures for the design and verification with regard to the technology infrastructure of small airports. Based on analysis’ results and subsequent verification safe procedures/practices for GNSS instrument approach for small airports will be published.

Parent Programmes:
VEGA - Scientific Grant Agency

Institute type: Research agency
Institute name: Scientific Grant Agency
Funding type: Public (national/regional/local)

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STRIA Roadmaps: Network and traffic management systems
Transport mode: Air transport
Transport sectors: Passenger transport, Freight transport
Transport policies: Safety/Security
Geo-spatial type: Infrastructure Node