

„GNSS and Augmentation Systems in Aviation-Specific Applications” training course



Date	On request
Venue	Estonian Aviation Academy / at the client's if agreed so
Schedule and additional information	The precise schedule shall be sent to the participants at least a week prior to the commencement of the course
Format of studies	Classroom teaching
Language(s) of instruction	Estonian or English
Base of course syllabus	Aeronautical Engineering curriculum (<i>EHIS, reg. code 194140</i>)
Curriculum group	Motor vehicles, ships and aircraft
Lecturer(s)	Leho Roots, MSc (Estonian Aviation Academy, guest lecturer of air navigation topics)
Volume	7 academic hours
Price	As agreed on
Target group	Technical personnel and those engaged in applying GNSS procedures, air traffic controllers. The course programme shall be adapted to the actual level of participants
Size of group	6 – 12
Goal	The goal is to acquire an overview of satellite navigation, GPS, current Estonian GNSS capabilities and augmentation as well as GLS perspectives regarding to certain airport. Also to have a knowledge about actions to assure safety
Topics	<ul style="list-style-type: none">• An overview of satellite navigation and its opportunities;• Fundamentals of GPS;• The accuracy of GPS and the ratio of errors;• GNSS augmentation systems, increasing the accuracy and ensuring the integrity;• GNSS instrument approach and the related situation in Estonia;• GLS perspective at certain airport;• Assuring safety of GNSS procedures
Learning outcomes	<ul style="list-style-type: none">• Has got an overview of the situation and opportunities of satellite navigation;• Knows the fundamentals of GPS, understands the possible errors in positioning and the limits of its reliability and integrity;• Knows and understands the functioning principles of GNSS augmentation systems, of their importance and inevitability in aviation applications;• Has got acquainted with and knows about the principles of GNSS instrument approach, and is aware of the actual situation in this field;• Has got an understanding about the GLS perspective at Tallinn airport;• Is aware and understands the factors of GNSS approach having impact on safety, and knows the ways of their assessment and management

Study materials
Requirements set for
passing the course
Documents issued on
completion of the course
Registering and further
information

Handed out during the training
Participation – 100%, passing the final test (multiple choice)
Certificate of Attendance issued by Estonian Aviation Academy
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