

„Airspace Design for Terminal Area Optimization“ Refresher Training



Time of Training	On request
Place of Training	Estonian Aviation Academy / as agreed on
Schedule for Training	Schedule tailor-made
Teaching Methods	Classroom teaching and workshops
Language of Instruction	English
Instructor(s)	Experts from French Civil Aviation University
Base of course syllabus	Air Traffic Services curriculum (<i>Registered in EHIS, code 2282</i>)
Volume of Training	10 days
Curriculum group	Transport Services
Price of Training	As agreed on
Target Group	ATS managers, supervisors, controllers and technicians involved in airspace and procedure design
Size of Training Group	10-20 participants
Aim of Training	The aim of course is to provide theoretical background in the design of airspace, particularly in lower airspace and terminal areas. A practical workshop during the second week will allow participants to take part in the different steps of the design of a new TMA on a real case
Topics of Training	<p>Airspace organisation strategy:</p> <ul style="list-style-type: none">• ICAO global CNS/ATM plan;• Economic aspects;• The FABEC airspace design programme <p>Air Traffic Flow and Capacity Management:</p> <ul style="list-style-type: none">• Flow management;• Flexible use of airspace for civil/military integration <p>Environment and sustainable development</p> <ul style="list-style-type: none">• Impact on noise exposition;• Air pollution and emissions <p>Performance Based Navigation</p> <ul style="list-style-type: none">• PBN principles;• Impact on ATC;• Example of PBN implementation <p>Trajectory and procedure design</p> <ul style="list-style-type: none">• Influence of procedure design on airspace structure;• Impact of protection areas (conventional and PBN) <p>Applications</p> <ul style="list-style-type: none">• CCO, CDO, Point Merge, ... <p>Tools</p> <ul style="list-style-type: none">• Procedure design;• Airspace optimisation;• Terminal airspace traffic management <p>Workshop</p> <p>Based on real data</p> <ul style="list-style-type: none">• Presentation of the situation;

Learning outcomes	<ul style="list-style-type: none">• Groupwork on different scenarii;• Presentation of the actual airspace design After completing this course participants should have a theoretical background of the design of airspace, particularly in lower airspace and terminal areas
Study materials	Available in Moodle e-learning environment (moodle.eava.ee)
Requirements for Passing the Training Certificate	Participation – 100%
Registration and Additional Information	Eesti Lennuakadeemia Certificate of Attendance (tõend) Registration and additional information from Karine Mandel, karine.mandel@eava.ee , +372 7 448 121

