„Aeronautical Environment, Operational Requirements and Air Traffic Control Familiarisation“ 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
Language of Instruction	English
Instructor(s)	Experts from French Civil Aviation University
Base of course syllabus	Air Traffic Services curriculum (*Registered in EHIS, code 2282*)
Volume of Training	3.5days or in case of exam and debriefing 4 days
Curriculum group	Transport Services
Price of Training	As agreed on
Target Group	Executive or Engineers who want expect to acquire a knowledge and a overview panel of the ATM requirements, and actual implementation of their responses
Size of Training Group	10-20 participants
Aim of Training	This course allows to introduce the reality of the Aeronautical environment and of organisation of the aeronautical space for Air Traffic Control aims. It provides the necessary knowledge in the fields of navigation and airspace management enabling the entire problem set to be defined • Define the main terms related to Air Traffic Management; • State the main rules of the air and describe the air traffic services; • Understand the essential of procedure design process and extract from an Instrument Approach Chart the main information for discover the navigation requirement. Awareness in the particular of RNAV Procedures; • Describe the Air Traffic Control services and explain the interaction between radar and control service; • Describe the flexible use of airspace between the two users of the ATC spaces: the Military and the Civils; • Describe the air traffic flow management principles and role, with its European implementation
Topics of Training	**Part I: Introduction to Air Traffic Management** **Part II: Basic regulation, rules and concepts:** • Main rules of the air; • IFR and VFR operating rules; • Introduction to ATM, Air Traffic Services and ESARR; • Airspace: classes, IFR and VFR traffic, Transition; • Flight information service, Flight plan content and use. **Part III: Air Traffic Services description and Classification:** • Aerodrome, Approach and En-Route control services. **Part IV: Introduction to the Air Traffic Flow Management (ATFM):**

	• The requirement and the Central Flow Management Unit (CFMU) architecture and principles. **Part V: First Basics of Procedures Design:** • Description of the main segments of arrival and approach trajectories; • Differentiation of Classic, Precision, departure Approach and RNAV and Procedure APV; • Protection areas, Minimum Obstacle Clearance; • Aircraft categories; • Information from existing Instrument Approach Charts; • Short introduction to the RNP/RNAV/PRNAV concept. **Part VI: Awareness in Operational Requirement, and Management of Risk in Aeronautical Environment:** • Introduction of the culture toward "Analysis of Risk"; • Operational Requirement; • Awareness of necessity of "project management vision" and linked methodology in aeronautical environment domain. **Part VII: Demonstrations and Simulations in Aerodrome and in Upper Information Region context, on the ATC simulator** (on agreement with Customer)
Learning outcomes	Awareness of the Aeronautical environment and organisation of the aeronautical space for Air Traffic Control aims as well as knowledge in the fields of navigation and airspace management enabling the entire problem set to be defined
Study materials	Available in Moodle e-learning environment (moodle.eava.ee)
Requirements for Passing the Training	Participation – 100%
Certificate	Eesti Lennuakadeemia Certificate of Attendance (tõend) or in case of taking an exam Eesti Lennuakadeemia Certificate, which proves passing the course (tunnistus)
Registration and Additional Information	Registration and additional information from Karine Mandel, karine.mandel@eava.ee, +372 7 448 121