

Module 2 *Air Traffic Services Organisation and Operations*

Time	Autumn 2017
Venue	Estonian Aviation Academy
Schedule	Schedule shall be provided as a separate document
Format of studies	Lectures, teamwork, self study
Language(s) of instruction	English, Estonian
Lecturer(s)	Tanel Kulbas
Volume	14 academic hours of classroom teaching, 2 a/hrs of independent work with e-learning materials in Moodle environment. The duration of the Module 2 days (7+7 a/hrs)
Size of group	5-10
Goal	To give the participants an overview and basic knowledge about air traffic services organisation and operations together with the ability to find additional topic related material
Topics / content of module	<ul style="list-style-type: none"> • The structure and objectives of air navigation services and an overview of international and national basic regulatory documentation; • The structure and objectives of air traffic services and air traffic management; • Measurement of levels; • Airspace related terminology, airspace structure and airspace management; • Navigation equipment and air traffic control equipment; • Handling and use of aeronautical information; • Provision of air traffic services, cooperation between different units: aerodrome control, approach control, area control and aerodrome flight information service; • Supervision and certification of air navigation service providers; • Non-standard situations and investigation procedures.
Learning outcomes	<p>After passing the module, a participant shall be able to:</p> <ol style="list-style-type: none"> 1) Describe the structure of air navigation services and air traffic services and understand the objectives of different services; 2) Describe airspace structure and understand the importance of airspace management; 3) List the basic technical devices and equipment supporting the operations of air traffic services; 4) Describe the basic operational procedures of different air traffic services units; 5) Understand the necessity and procedures of supervision and certification

of service providers and investigation procedures;

6) Find additional information about the topics on his/her own.

**Requirements for
passing the course**

Participation in classroom teaching and working through the e-learning materials as assigned

**Learning materials
and additional
information**

Lecture notes in Moodle environment (moodle.eava.ee)

