ECCC SYLLABUS

MODULE: **IT M1** HARDWARE AND SOFTWARE
LEVEL: INTERMEDIATE **(B)**

The exam covers all the material taught at basic level **(A)** together with the skills presented below.

COMPETENCE GROPUP	COMPETENCE WITHIN ECCC STANDRADS
1. Computer and its construction	1.1. Generations and application of computers.
	1.2. Terms and concepts used in measuring units of information.
	1.3. Binary system, its importance in the computer.
	1.4. Selection of components depending on the computer application.
2. Peripherals	2.1. Output devices, their meaning and application in communication with computer hardware.
	2.2. Input devices, applications and examples of devices.
	2.3. Input/output devices as equipment for two-way communication with the computer.
3. Computer networks	3.1. Concepts of computer networks.
	3.2. Computer network topologies.
	3.3. Concepts: Network Address (IP) address of the hardware (MAC) and the use of addressing in practice.
	3.4. The rate and type of transmission in computer networks.
4. Operating System	4.1. The operating system as an interface between machine and a man.
	4.2. Breakdown of operating system.
	4.3. Hardware resources and management by the operating system.
	4.4. File-systems of operating systems.
5. Software	5.1. Software as an intangible, abstract and unique product.
	5.2. Types of software, division due to licensing. Concepts related to the software.
	5.3. The production process from design through programming to finished product.