

ECCC SYLLABUS

MODULE: **IT M1** COMPUTER HARDWARE AND SOFTWARE

LEVEL: **ADVANCED (C)**

A range of exam in the module contains all tasks from medium level (B) plus competences pointed out below.

COMPETENCE GROUP	COMPETENCE WITHIN ECCC STANDARDS
1. Computer and its construction	1.1. Definition and characteristic of Personal Computers' architectures 1.2. Basis components of a computer 1.3. Review of storage utilities
2. Peripheral devices	2.1. Types, parameters and settings of displaying devices 2.2. Working of printers (types of printers, print technologies, load capacity of devices, exploitation) 2.3. Mobile devices (portable devices for different application communicating with computer, possibilities of synchronisation and applications of data) 2.4. Typical input devices (architecture of devices and methods of communication)
3. Networks	3.1. Configuration of devices to work in network (private and public address, subnet masks, Default gateway, DNS, DHCP) 3.2. OSI model as a basic source of information about networks, network layers and protocols in individual layers of model 3.3. Types of networks (division of networks in view of extent, technologies of transferring data, speed of transmission)
4. Operating system	4.1. Main goals of an operating system 4.2. Resources management in Windows operating system
5. Software	5.1. Division of software in view of production leaders 5.2. Selected software for mass recipients