

# THE LEONARDO\_ECNL PROJECT

## Project structure

Leonardo\_ECNL is composed of eight WorkPackages (WP), each one dealing with a specific subject so that the whole WP set can cover all the project aims.

Any workpackage is coordinated by a leading European institution supported by a suitable work team ensuring an international shared perspective of solutions and results.

## Leonardo E.C.N.L. Workpackages

- Abstract
  - WP1 The courseware profile
  - WP2 The e\_learning products
  - WP3a The personal and vocational skills analysis
  - WP3b The portfolio guide
  - WP4 The participative management
  - WP5 The quality assurance plan
  - Wp6 The syllabus
  - WP7 The dissemination
  - WP8 The Web Gate
- The portfolio (personal booklet)

The project moves from the descriptions of the requirements with respect to vocational training objectives and introduces an example of a specific professional profile using the Italian IFTS (IFTTS: Istruzione e Formazione Tecnica Superiore) framework, which promotes in Italy a new approach for technical training.

The main concept used in IFTS deals with the opportunity to capitalize skills and knowledge by means of a number of formal items called Capitalizable Units. Course objectives are splitted into a set of Capitalizable Units, anyone representing a single entity, and included in a list of Competences and Activity Areas (AA).

Any Capitalizable Unit corresponds to a Credit Unit (CU) that can be assessed for students that have passed specific examinations planned in advance by the course designer for that particular Unit .

General Vocational training course				
Duration of the course: 1000-1200 hrs				
Basic skills ≈ 20% hrs	Cross skills ≈ 10% hrs	Professional skills Technical Certified skills (ECNL certification)	Training ≈ 30% hrs	Assessments and exams

Achieved skills and knowledges are recorded in the Portfolio, which represents a further relevant result of the Leonardo\_ECNL project .

The ECNL\_Syllabus has also been developed as a means for the specification of the ECNL certification (European Computer Networking License), mainly supported by an e\_learning approach in order to improve access to technical knowledge from home, office, small enterprises, private and public institutions.

Current certifications proposal include **three** different levels ● ■ ▲ which have been defined inside the syllabus:

- **1 - JCNT** Junior Certified Network Technicians
- **2 - CLAND&A** Certified LAN Designer and Administrator
- ▲ **3 - CWAND&A** Certified WAN Designer and Administrator

A methodology and a framework to identify and describe personal competences promote individual growth in knowledge and skills.

The ECNL\_Portfolio works as a database collecting all the documents which show the value and the potential contribution he/she can bring.

Therefore, setting up a portfolio requires searching and collecting all proofs related to personal, social and professional knowledge and skill achieved, as well as the specification of the potential level .

The model of Portfolio is a booklet composed of **four** parts:

- Personal data and curriculum
- "Biography" of Competences (obtained from the personal and vocational skills analysis guide);
- Training project;
- Dossier.



## The Leonardo\_ECNL Project:

### Users

Users of the project are directors of VET: Vocational Education Training centres and trainers who aim at improving methodologies concerning teaching and project planning of modular training courses.

### Contents

The project specifies a data-base containing course features, professional figures, module contents etc, also aiming at the definition and organization of a professional profile of an European Information Technology Engineer and Technician.

### Basic standards and certification of competences.

A standard European profile for vocational training courses is proposed in the field of Telecommunications in the area of computer networks.

### Syllabus

A syllabus concerning competence of a European computer networking license is also defined.

### E\_learning

E\_learning introduces and promotes new pedagogical models.

For further information please refer to:

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## The Leonardo E.C.N.L. European Computer Networking License (supported by e\_learning) partnership



Promoter

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Istruzione e cultura  
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