



Working document

DEFINITION PROCESS OF ECVET LOs UNITS

SECTOR: CONSTRUCTION

PILOT QUALIFICATION: CONSTRUCTION WORKER

(Operatore Edile, according to the 27.07.2011 State-Regions Agreement)

ECVET Meeting of 2nd generation Pilot projects

Rome, 26-27.04.2012

Starting points, with reference to sectoral qualifications (basic level – EQF level 3 TBC)

- Framework of National standards (basic competences and technical competences) for the Construction Worker Qualification (Q), within a National Repertory of 22 Qualifications (Qs) at the same EQF level (3). This Repertory is connected to a Repertory of higher-level Qs (Level 4th EQF). These repertories are:
 - expressed in a widely coherent language with reference to the LOs-based one;
 - described in units partially coherent with the ECVET units format since the LO-based descriptions are not associated to: assessment procedures and criteria and information on the LOs units' weights
- Local Qualifications within highly regulated Regional sub-systems (I.e. Piemonte: "transparent" units, with assessment criteria e procedures associated to the units; Toscana: certification system aimed at recognizing sets of competences);
- Local Qualifications within loosely regulated qualification systems.

Expected result at the end of the process:

- Pilot Construction Worker Q (EQF level 3) described and articulated on the basis of the ECVET Unit format;
- Correlation of the local Qs to the Pilot Q (national standard) through a matrix having as a reference *professional core processes-activities* along with all the relevant key elements (skills, etc.) for referencing (sectoral stakeholders involvement);
- Memorandum of Understanding: shared recognition process.

Stakeholders involved:

This process involves: *Formedil* (the National VET provider in the field of construction) at national and local level (Campania) and other sectoral experts from the participating Regional authorities.

Conceptual framework

EQF key concepts

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ECVET definitions and technical specifications

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LOs described in a way which is highly consistent with EQF-ECVET and the provisions of the 27.07.2011 State-Regions Agreement (Annex A) namely:

Competence

Described in terms of responsibility and autonomy. It is expressed by its constituent elements (such as type of background, resources used in showing the competence, attitudes, etc.); it is described by using verbs in the infinitive form that clearly identify: the taxonomy of levels of responsibility/autonomy; reference to the resources used; an indication of the performance depending on the complexity of competence. The description of the competence is based on a single verb.

Skills

Skills refer to applying knowledge to complete tasks and solve problems. They are described as cognitive (involving the use of logical, intuitive and creative thinking) and practical (involving manual abilities and the use of methods, materials, tools). The use of verbs and syntax highlighting application and / or use of technologies / procedures / methods. Cannot be broader than the competence. They are expressed with verbs in the infinitive form.

Knowledge

Knowledge is a collection of facts, principles, theories and practices related to a field of work. It is described as theoretical and / or practices and may occur in different skills. Knowledge is predominantly expressed with nouns indicating types and / or objects of knowledge (eg: "Elements of ...", "principles of ..." "... techniques.").

Technical specifications

The ECVET units framework (in progress) is based on these three elements:

1. Units, described as:

- Title Unit
- Reference Qualification
- Local Qualifications and related units
- EQF level
- Reference to work process
- LOs Descriptors (Competence, Skills, Knowledge)
- Assessment:
 - In the formal context (with reference to a formal pathway selected as a focus)
 - In non-formal c.
- Weight of LOs unit (with reference to both workload and level of complexity of the LOs in the unit)

2. Pilot Qualification description, with the following indicators:

- Title: Es. CONSTRUCTION WORKER
- Duration of the training course: three years
- Standard-based Qualification: with reference to 27.07.2011 National Agreement
- EQF Level: 3 (TBC)
- Statement on referencing to the EQF Level: not available
- Credit points associated with the Qualification: 180 (with reference to the three-year formal learning pathway)
- Brief description of the professional profile:...
- Processes and activities that characterize the Q

3. Matrix matching LOs Local Qs and Pilot Q, having as a reference:

- *professional core processes-activities* along with the relevant key elements (skills, etc.) for referencing (sectoral stakeholders' involvement).

Example: ECVET UNIT

Unit 1 Define and plan the necessary operations (Technical Unit)

- **Reference Qualification: Construction Worker (Operatore Edile)**
- **Qualifications and related units: Construction Worker (Operaio edile polivalente – Piedmont Region Q) – Unit X**
- **EQF level: 3 (TBC)**
- **Reference work process:** Planning and organising one own's work

LOs Descriptors

Competence	Skills	Knowledge
Define and plan the necessary operations in compliance with safety regulations. On the basis of instructions received, supporting documentation (diagrams, drawings, procedures, etc..) and the relationships system	<ul style="list-style-type: none"> - Use supporting information t (diagrams, drawings, procedures, etc.) and instructions to set up the various phases and tasks to be performed - Use work planning and organization methodologies in compliance with the standards of safety, hygiene and environmental protection sectoral specifications. - Apply methods and techniques for managing work time 	<ul style="list-style-type: none"> - Statement of safety, hygiene, environmental protection in the construction sector - Technical terminology - Processes, cycles and roles in the construction sector - Organizational communication techniques - Planning techniques.

Assessment: methodologies and tools

Formal context (Good practice selected as a focus)

What is assessed (competence, skills and knowledge)	Assessment method	Tool
Competence and skills	<ol style="list-style-type: none"> 1. Two sessions of direct observation during the practice 2. Direct observation during the practice (during a traineeship) 3. Assessment via a technical test (the person is in the conditions to show how ensure the provision of safe spaces and construction tools) 	<ul style="list-style-type: none"> - Observation grids (2) - Assessment grid - Observation grid
Knowledge	4. Assessment via an IT test	<ul style="list-style-type: none"> - Multiple choice questionnaire
LOs of the Unit (in the final phase)	<ol style="list-style-type: none"> 5. Assessment via a technical test 6. Assessment via an oral exam 	<ul style="list-style-type: none"> - Observation grid - Oral questions to reflect on the training experience, traineeship, etc.

The sectoral commissions are working on the assessment tests.

Non-Formal context

- Mandatory assessment terms: the assessment must be made in working conditions or similar to the work context
- Specific evidence required for this unit are:
 - Direct observation by the Assessor - see observation grids (1 - 3)
 - Questionnaire for the assessment of the knowledge (4)
- Optional evidence for this unit:
 - Set of professional questions
 - Products / Projects

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Associated ECVET points (Unit weight)

UNIT 1 Define and plan the necessary operations	LOs Unit weight
Competence Define and plan the necessary operations in compliance with safety regulations. On the basis of instructions received, supporting documentation (diagrams, drawings, procedures, etc.) and the relationships system	With reference to the Q: Percentage ratio of the whole technical elements as compared to the basic ones: <i>(currently being defined in the sectoral groups)</i> Weight percentage of Los Unit 1: <i>(currently being defined in the sectoral groups)</i>