

Erasmus Plus KA 1 Settore VET Progetto n. 2014-1-IT01-KA102-000016**Period 2014÷2016****“LEARNING OUTCOMES VALIDATION according to ECVET” (L.O.V.E.)”**Title: **Electrical systems operator**

Description: The operator of the electrical-electronic systems is capable of assembling equipment , individual devices or electric and electronic installations

QUALIFICAITONS	KNOWLEDGE	ABILITY
1. Can decode the schema of installations and technical manuals (EQF 3)	<ul style="list-style-type: none"> • Is familiar with the norms and elements of electric-electronic design: signs, symbols, scales and methods of representation • Can recognize electronic and electrotechnical components 	<p>Reads and interprets the schema and layout of the project, distinct bases and technical documentation</p> <p>Understands the data, the symbols and the instructions present in the reference manual</p> <p>Can locate material, electronic and electrotechnical components, and assembly tools</p>
2. Composition of electronic systems (EQF 3)	<ul style="list-style-type: none"> • Knows the principles of electronics and of electrotechnical installations • Knows the technical principles for the assembly and installation of the instruments • Knows the main instruments, equipment, and work facilities and mode of use 	<p>Can apply the techniques of electronic assembly</p> <p>Recognizes the functional characteristics of the components and of the parts of the system and can discern their function</p>
3. Adaptation feature and control system of electronic and electrotechnical instruments (EQF 3)	<ul style="list-style-type: none"> • Knows how every electronic component works • Knows the function of the instruments • Understands the concept of calibration of electrical equipment 	<p>Can discern when the material needs intervention for regulation and calibration</p> <p>Can use the electric-electronic instruments as well as software</p> <p>Can determine the function of every single electric/electrotechnical element/component</p>

NAME

GRADING OUTLINE	
Objective:	To evaluate the ability to assemble electrical-electronic systems, equipment , devices and electrical installations
Method:	Observing in a real work environment certain tasks
Grader:	Instructor (tutor)
Type of Grading:	summative evaluation
Moment of Grading	At the end of the instruction unit

PERSONALITY			
Any Linguistic skills	YES	PARTIALLY	NO
Any linguistic skills in english specialized technical	YES	PARTIALLY	NO
Learning ability	YES	PARTIALLY	NO
Is organized	YES	PARTIALLY	NO
Collaboration capabilities	YES	PARTIALLY	NO
Interest and motivation	YES	PARTIALLY	NO
Personal initiative	YES	PARTIALLY	NO

NAME

UNIT	CRITERIA	GRADE
1. Decoding of the structural schema of the installation	Does not recognize the components and does not interpret the documents	1
	Recognizes the components and interprets the documents only if directed	2
	Recognizes the components with enough autonomy and correctly interprets the documents	3
	Quickly recognizes the components and confidently knows the documents	4
2. Composition of electronic systems	Isn't able to assemble the components and doesn't know their function	1
	Can continue with assembly, but only with specific instructions	2
	Goes well in the assembly, asking for clarification on the uses of the instruments	3
	Correctly applies the assembly techniques	4
3. Adaptation feature and control system of electronic and electrotechnical instruments	Fails to calibrate the electric device to the point where it can make measurements	1
	Can calibrate the electric device so it can make readings only when under instructions	2
	Recognizes the procedures for measuring and can apply them correctly, occasionally asking for instructions	3
	Proceeds autonomously in the regulation and calibration. Can discern the function of every element of the installation	4

A PASSING GRADE IS ACHIEVED WITH A SCORE GREATER THAN OR EQUAL TO 6

TOTAL POINTS :

Date

Stamp and signature of the school tutor

Stamp and signature of the company tutor

Student's signature