

<p>1. TITLE OF THE CERTIFICATE (ES) Certificado de Profesionalidad de nivel 2 en TMVU0212 MANTENIMIENTO E INSTALACIÓN DE SISTEMAS ELÉCTRICOS Y ELECTRÓNICOS DE EMBARCACIONES DEPORTIVAS Y DE RECREO</p>
<p>2. TRANSLATED TITLE OF THE CERTIFICATE (EN) Professional Certificate Level 2 in TMVU0212 MAINTENANCE AND INSTALLATION OPERATION OF ELECTRIC AND ELECTRONIC SYSTEMS ON SPORT AND RECREATIONAL VESSELS (This translation has no legal status)</p>
<p>3. PROFILE OF SKILLS AND COMPETENCES</p>
<p>The holder of this certificate will have acquired the general competence to perform maintenance operations of the engine, propulsion and steering systems, machines and auxiliary systems of sport and recreational vessels, applying quality criteria and compliance plans to prevent occupational and environmental risks of the company. This general competence is divided into the following skill units(UC):</p> <ul style="list-style-type: none"> – Maintain and install the systems of energy generation and electric energy storage, and the electric engines on sport and recreational vessels (UC1831_2). – Maintain and install distribution systems and power circuits on sports and recreational vessels (UC1832_2). – Install and repair electronic navigation systems and instrumentation on sport and recreational vessels (UC1833_2). – Install and repair communications systems, maritime distress and safety on sport and recreational vessels (UC1834_2). <p>The professional skills are acquired through the learning outcomes defined within the related Training Modules (MF):</p> <ul style="list-style-type: none"> – Maintenance and installation of systems for generate and store electric energy, and of electric engines for sport and recreational vessels (MF1831_2). – Maintenance and installation of distribution systems and power circuits on sport and recreational vessels (MF1832_2). – Installation and repair of electronic navigation systems and instrumentation on sport and recreational vessels (MF1833_2). – Installation and repair communications systems, maritime distress and safety of sport and recreational vessels (MF1834_2). – Practical training at the workplace in maintenance and installation operations of electric and electronic systems on sport and recreational vessels (MP0513). <p>(See legal basis for all learning outcomes information acquired by the holder of this Certificate in each MF).</p> <p>As a reference the learning outcomes include in the Practical training at the workplace that complete and reinforce the learning outcomes acquired in the other training modules, are:</p> <ul style="list-style-type: none"> – Cooperate in the execution of works of maintenance and installation of systems of generation and accumulation of electric power and electric motors in accordance with instructions received and in compliance with the safety and quality standards set by the company. – Cooperate in the execution of works of maintenance and installation of auxiliary systems of power generation and transformation in accordance with the instructions and in compliance with the safety and quality standards set by the company. – Cooperate in the execution of works of installation of electronic navigation systems and instrumentation in accordance with the instructions and in compliance with the safety and quality standards set by the company. – Cooperate in the execution of works of repair of electronic navigation systems and instrumentation in accordance with the instructions and in compliance with the safety and quality standards set by the company. – Participate in the working processes of the company, following the rules and instructions established at the workplace.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THIS CERTIFICATE

The holder of this certificate may work in the following economic activities: shipbuilding (construction of yachts and sport); ship maintenance and repair; repair of electrical equipment and of electronic and optical equipment.

The most relevant occupations and work positions are:

- Naval electricians.
- Electricians of maintenance and repair of engines, dynamos and transformers. Electronic maintenance and repair of radio equipment.
- Installer of equipment and communication systems in sports and recreational boats.

This Professional Certificate accredits the minimum training necessary to perform the functions of occupational risks prevention of basic level, according to Appendix IV of Royal Decree 39/1997 of January 17th by which the Regulation Services Prevention is approved.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the national/regional authority providing accreditation/recognition of the certificate

The Ministry of Employment and Social Security or the corresponding autonomous regional administration within the scope of its competence, in the name of the King. The certificate is valid throughout Spain.

Level of the certificate

The Professional Certificate Level 2 of the National Repertoire of Professional Certificates corresponds to level 3 of the International Standard Classification of Education (ISCED-P 2011).

The European Qualification Framework (EQF) level:

Grading scale/Pass requirements

The grading scale and pass level of the training modules are expressed on a scale of 0 to 10. The minimum score for a pass is 5 in every training module including a pass in the practical training at the workplace module.

The grading system is as follows:

- FAIL: 0 to 4.9
- PASS-SATISFACTORY: 5 to 6.9
- PASS-GOOD: 7 to 8.9
- PASS-EXCELLENT: 9 to 10

Access to next level of education/training

This Professional Certificate Level 2 gives access to Professional Certificate Level 3 within the same professional area and family.

For validation purposes, the educational authorities will recognise the professional module or modules of the VET diplomas corresponding to the skills units included in the training modules of this certificate.

Legal basis

Royal Decree 992/2013 of December 13th, by which eight professional certificates of the professional family Transport and Vehicle Maintenance, included in the National Repertoire of professional certificates are established (Appendix IV, Code: TMVU0212).

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

This certificate may be acquired by:

1. Training: Completion with a pass grade of the face-to-face or online training programme.
2. Recognition of the professional skills acquired through professional experience or non-formal training (prior learning): Completion of a process of skills evaluation and accreditation in all the skills units making up the professional certificate.
3. Dual training: Completion of a training and apprenticeship contract, which may range from 1 year (or 6 months, if stipulated as such in the collective agreement) to 3 years, during which effective working time is combined with time dedicated to training under the training programme for the professional certificate.

The training method (number 1 above) requires successful completion of the training modules and the practical training at the workplace:

Description of vocational training received	Percentage of total programme (%)	Duration (hours)
Training modules	88	580
Practical training at the workplace	12	80
Total duration of training leading to the certificate		660

Entry/access requirements:

- Compulsory Secondary Education Diploma (Lower secondary education); or
- Professional Certificate Level 1 in the same professional area.
- If neither of the above or higher certifications are held, a pass in the key skills tests.

Additional information: Professional certificates are instruments for official accreditation of the professional qualifications in the National Catalogue of Professional Qualifications for all economic activities, within the scope of the labour administration. The National Repertoire of Professional Certificates is divided into three qualification levels (Level 1, Level 2 and Level 3), and by sectors into 26 professional families and 102 professional areas. More information is available at: www.sepe.es

National Europass Centre: www.sepie.es

(*) **Explanatory note:** This document is designed to provide additional information about the specified certificate, but has no legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates; and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information is available at: <http://europass.cedefop.eu.int>

Information on Professional Certificates of the Map of Qualifications and Vocational Training in Spain

