

CERTIFICATE SUPPLEMENT (\*)  
SPAIN

TITLE OF THE CERTIFICATE (original language: ES)  
EXPERT IN ELECTROTECHNICAL EQUIPMENT AND FACILITIES

TRANSLATED TITLE OF THE CERTIFICATE (language)

PROFILE OF SKILLS AND COMPETENCES

General competence

Construct, operate and maintain lines and facilities for the distribution of electric energy (EE) in medium voltage (MV), low voltage (LV) and transformation centres (TC), specific electrical systems and facilities for the automation of buildings. Perform the construction of electrotechnical equipment for the distribution of EE as well as the protection and control of electrical machines. Maintain and test electrical machines through application of the appropriate procedures. Perform the preventative and corrective maintenance of facilities comprised within the above-defined scope.

Competence units

1. Constructing and maintaining equipment and facilities for the distribution and supply of electric energy in Medium and Low Voltage.
2. Constructing and maintaining specific electrical systems in the surroundings of the buildings.
3. Constructing and maintaining automated electrotechnical equipment and facilities.
4. Constructing, maintaining and testing static and rotational electrical machines.
5. Perform the administration, management and marketing of a small company or workshop.

RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

Electrical lineman. Power centres assembler. General electrician. Buildings lineman. Industrial electrician. Switchboard fitter. Spooler. Buildings electronics fitter. Antenna fitter. Telephone equipment fitter. Electrical appliances repair person.

**(\*) Explanatory note**

This document is designed to provide additional information about the specified certificate and does not have any 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.

The body awarding this Certificate Supplement may leave blank any box considered not to be applicable.

<b>Name and status of the body awarding the certificate</b> MINISTERIO DE EDUCACIÓN, CULTURA Y DEPORTE  (Central Government)	<b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> MINISTERIO DE EDUCACIÓN, CULTURA Y DEPORTE (Central Government) COMPETENT BODY IN THE AUTONOMOUS COMMUNITY (Autonomic Government)
<b>Level of the certificate in the awarding country</b> Intermediate Vocational Training (CNED 33 F – Specific Intermediate Vocational Training and equivalents, Plastic Arts and Design, and Sports)	<b>Grading scale / Pass requirements</b> Basic regulation of the Ministry of Education, Culture and Sports of 21 July 1994. Occupational modules: graded from 1 to 10 (5 is pass). Training at work: pass / fail. Continuous assessment system.
<b>Access to next level of education/training</b> Secondary Education and Advanced Training Cycles in the same occupational family or a related family as per regulations.	<b>International agreements</b>
<b>Legal basis</b> Law 1/1990 of October 3, Organic Law 5/2002 of June 19, Royal Decree 676/1993 of May 7, Royal Decree 777/1998 of April 30 ROYAL DECREE 623/1995, of April 21 (BOE 17/08/95)	

OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

<b>Description of vocational education and training received</b>	<b>Percentage of total programme (%)</b>	<b>Duration</b> <i>hours/weeks/months/years</i>
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\* At Secondary Education Centres or approved training centres, including training modules of a theoretical-practical nature and Training at Work.

- ADMINISTRATION, MANAGEMENT AND MARKETING IN A SMALL -SIZED COMPANY
- AUTOMATISMS AND SWITCHBOARDS
- QUALITY
- ELECTROTECHNICS
- TRAINING AT WORK
- OCCUPATIONAL TRAINING AND GUIDANCE
- AUTOMATIC DEVICES IN HOMES AND OTHER BUILDINGS
- POWER LINKING FACILITIES AND TRANSFORMATION CENTRES
- INDOOR ELECTRICAL WIRING
- SPECIFIC ELECTRICAL SYSTEMS IN HOMES AND OTHER BUILDINGS
- MAINTENANCE OF ELECTRICAL MACHINES
- RELATIONSHIPS WITHIN A WORK TEAM

	<i>Total duration of the education/ training leading to the certificate</i>	2000 hours
<b>Entry requirements</b> Holding the Secondary Education Graduate Certificate or equivalent certificate for entry purposes. Holding the certificate of the entry examination.		
<b>Additional information</b> More information available at: <a href="http://www.educacion.es">http://www.educacion.es</a>		