

CERTIFICATE SUPPLEMENT (\*)  
SPAIN

TITLE OF THE CERTIFICATE (original language: ES)

ADVANCED EXPERT IN ELECTROTECHNICAL FACILITIES

TRANSLATED TITLE OF THE CERTIFICATE (language)

PROFILE OF SKILLS AND COMPETENCES

General competence

Developing equipment and facilities for the distribution of electrical energy in medium and low voltage (MV and LW) and transformation centres (TC), specific electrical systems and automation facilities for domestic, commercial and industrial use, based on the technical and financial specifications agreed with the customer.

Coordinate and supervise the construction, commissioning, verification and maintenance of such facilities, optimising the available human and material resources, to the required quality and in accordance to the applicable standards and safety regulations.

This Expert will in any case act under the general supervision of an Architect, Engineer or Bachelor and/or a Building Surveyor, Technical Engineer or Diplomaed Specialist.

Competence units

1. Developing and maintaining equipment and facilities for the distribution of electric energy in medium voltage (MV), low voltage (LV) and transformation centres (TC).
2. Developing and maintaining specific electrical systems in the surroundings of the buildings
3. Developing and maintaining automatic control equipment and automated facilities in homes and buildings.
4. Organizing, managing and controlling the construction and maintenance of the electrotechnical facilities.
5. Performing the administration, management and marketing of a small company or workshop.

RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

Occupations or jobs:

Designer of: Power lines for the distribution of electrical energy in medium and low voltage and transformation centres. Electrification facilities in low tension for homes and buildings. Specific facilities (antennae, telephony, entryphone, public address systems, safety and photovoltaic solar energy).

Automated, domotics, and technical-management facilities for homes and buildings.

Expert in the supervision, verification and control of electrotechnical equipment and facilities.

**(\*) 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> Advanced Vocational Training (CNED 51 H – Advanced Specific 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> - Naval Machines Diplomaed Specialist. - Maritime Navigation Diplomaed Specialist. - Optics and Optometry Diplomaed Specialist. - Naval Radio-electronics Diplomaed Expert. - Building Surveyor. - Aircraft Technical Engineer (all majors) - Technical Graduate Horticulturist (all majors) - Industrial Design Technical Engineer. - Forestry Technical Engineer (all majors) - Industrial Technical Engineer (all majors) - Technical Engineer in Management Computing. - Technical Engineer in Systems Computing. - Mining Technical Engineer (all majors) - Naval Technical Architect (all majors) - Civil Technical Engineer (all majors) - Telecommunications Technical Engineer (all majors)	<b>International agreements</b>
<b>Legal basis</b> General Organic Law of the Educational System 1/1990 of October 3, Organic Law 5/2002 of June 19 on Qualifications and Vocational Training, Royal Decree 676/1993 of May 7, Royal Decree 777/1998 of April 30. ROYAL DECREE 621/1995, of April 21 (BOE 10.08.95)	

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 BUSINESS
- QUALITY
- DEVELOPMENT OF ELECTRICAL DISTRIBUTION FACILITIES
- DEVELOPMENT OF ELECTROTECHNICAL FACILITIES IN BUILDINGS
- TRAINING AT WORK
- OCCUPATIONAL TRAINING AND GUIDANCE
- ELECTROTECHNICAL FACILITIES DEVELOPMENT MANAGEMENT
- TECHNICAL COMPUTING
- RELATIONS IN THE WORKING ENVIRONMENT
- SAFETY IN ELECTROTECHNICAL FACILITIES
- TECHNIQUES AND PROCESSES IN AUTOMATED FACILITIES IN BUILDINGS
- TECHNIQUES AND PROCESSES IN AUTOMATED FACILITIES IN MEDIUM AND LOW VOLTAGE
- TECHNIQUES AND PROCESSES IN SPECIFIC ELECTRICAL FACILITIES IN BUILDINGS

	<i>Total duration of the education/ training leading to the certificate</i>	2000 hours
<b>Entry requirements</b> Holding the Certificate in Post-Compulsory Secondary Education (Bachillerato) or holding the corresponding certificate of the entry examination.		
<b>Additional information</b> More information available at: <a href="http://www.educacion.es">http://www.educacion.es</a>		