1. TITLE OF THE CERTIFICATE (ES)
Certificado de Profesionalidad de nivel 3 en   **ELES0110 DESARROLLO DE PROYECTOS DE INFRAESTRUCTURAS DE TELECOMUNICACIÓN Y DE REDES DE VOZ Y DATOS EN EL ENTORNO DE EDIFICIOS**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)
Professional Certificate Level 3 in   **ELES0110 PROJECT DEVELOPMENT OF TELECOMMUNICATIONS INFRASTRUCTURES AND VOICE AND DATA NETWORKS IN BUILDINGS**   **(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to develop projects for receiving and distributing radio and television signals, telephone installations and voice and data networks in building environments based on a given draft design or conditions, in accordance with the specifications, standards and procedures established, ensuring installation quality and safety. This general competence is divided into the following **skills units** (UC):

− Develop telecommunication installation projects for reception and distribution of radio and television signals in building environments (UC0826_3).
− Develop telephone installation projects in building environments (UC0827_3).
− Develop voice and data network infrastructure projects in building environments (UC0828_3).

The professional skills are acquired through the **learning outcomes** defined within the related Training Modules (MF):

− Develop telecommunication installation projects for reception and distribution of radio and television signals in building environments (MF0826_3).
− Develop telephone installation projects in building environments (MF0827_3).
− Develop voice and data network projects in building environments (MF0828_3).
− Practical training at the workplace in Project development of telecommunications infrastructure and voice and data network in buildings (MP0282).

(See legal basis for all learning outcomes information acquired by the holder of this Certificate in each MF).

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:

- Plan and manage installation of telecommunications systems, voice and data networks and related installations.
- Supervise installation of telecommunications systems, voice and data networks and related installations.
- Plan and supervise management and maintenance of telecommunications systems, voice and data networks and related installations.
- Take part in the company's working processes, 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 electrical and electronics companies, joining the technical department in project development of telecommunications installations for the reception and distribution of radio and television signals, telephone installations and voice and data infrastructures in building environments, as regulated by the Common Telecommunications Infrastructure Standards. The holder may also work in: project development of telecommunications installations for the reception of radio and television signals in building environments; development of indoor communications installations; development of telephone installations; and development of voice and data network installations. The most pertinent occupations and positions are:

- Electrotechnical Designer.
- Designer of individual installations (aerials, telephones, interphones, megaphones, security and photovoltaic solar power) for homes and buildings.
- Electrotechnical project technician.

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 3 of the National Repertoire of Professional Certificates corresponds to level 4 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 3 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 1523/2011 of 31 October, establishing ten professional certificates in the professional family Electricity and Electronics, which are included in the National Repertoire of Professional Certificates. (Appendix III Code: ELES0110)

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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	84	420
Practical training at the workplace	16	80
Total duration of training leading to the certificate		**500**

Entry/access requirements:
- *Bachiller* Diploma (upper secondary education); or
- Professional Certificate Level 2 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.oapee.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

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

Sistema Educativo
(Education System)

Sistema Nacional de Empleo
(National Employment System)

Sistema Nacional de Cualificaciones y Formación Profesional
(National System of Qualifications and Vocational Training)

Educacion Superior
(Tertiary Education)

Título de Doctor
(PhD)
ISCED 8

Título de Máster Universitario
(Master Degree)
ISCED 7

Título de Grado Universitario
(University Degree short/long studies /second cycle - 4/6 years)
ISCED 6/7

Enseñanzas Artísticas Superiores
(Advanced Artistic Diploma)
ISCED6

Título de Técnico Superior en Artes plásticas y Diseño
(High Vocational Diploma on Arts and Design)
ISCED5

Título Técnico Superior Deportivo (High Vocational Diploma on Sports)
ISCED 5

Título de Técnico Superior
(High Vocational Diploma)
ISCED 5

Certificado de Profesionalidad_3RNCP*
(Professional Certificate_3)
ISCED4

Programas de formación de demanda de empresas y otras especialidades formativas

(incompany demand training actions and training specialities)

Enseñanza Oficial de Idiomas
(Languages Oficial Studies 3 levels)
(Certificado Nivel Avanzado-Advanced Certificate- B2)
ISCED3

Título de Bachiller
(Upper Secondary Education Certificate)
ISCED3

Título de Técnico Deportivo
(Intermediate Vocational Diploma on Sports)
ISCED3

Título deTécnico
(Intermediate Vocational Diploma)
ISCED 3

Certificado de Profesionalidad_2RNCP*
(Professional Certificate_2)
ISCED3

Educación Secundaria
(Secondary Education)

Educación Secundaria de Adultos
(Secondary Adult Education)
ISCED 2

Título de Graduado en Educación Secundaria Obligatoria (ESO)
(Lower Secondary Education Certificate)
ISCED 2

PCPI Programas de Cualificación Profesional inicial
(Initial Vocational Training Programmes)
ISCED 3

Certificado de Profesionalidad_1RNCP*
(Professional Certificate_1)
ISCED2

Acceso Directo (Direct Access)
Acceso Condicionado o tras una prueba especifica (Conditionated or previous test Access)
Reconocimiento parcial de unidades de competencia del CNCP (Parcial recognition of units of competence of the CNCP)
Formación con derecho a acreditación de la Administración Laboral (Certification awarded)
Prueba de Acceso y/o especifica cuando sin requisitos accesos (Acess exam or Specific exam)
Nivel del RNCP (level of the National Repertoire of Professional Certificates)
ISCED   ISCED -P2011

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