1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 3 en
ELES0210 GESTIÓN Y SUPERVISIÓN DEL MONTAJE Y MANTENIMIENTO DE LAS 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
ELES0210 MANAGEMENT AND SUPERVISION OF INSTALLATION AND MAINTENANCE OF TELECOMMUNICATIONS AND VOICE AND DATA NETWORK INFRASTRUCTURES IN BUILDING ENVIRONMENTS
(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to manage and supervise installation and maintenance of telecommunications infrastructures to receive and distribute radio and television signals, telephone installations, public address systems, closed circuit television and voice and data network infrastructures in building environments, in accordance with established standards and expected quality, ensuring full safety and optimal functioning conditions and environmental protection. This general competence is divided into the following **skills units** (UC):

− Organise and manage installation of telecommunications and voice and data network infrastructures in building environments (UC1184_3).
− Supervise installation of telecommunications and voice and data network infrastructures in building environments (UC1185_3).
− Organise and manage management of telecommunications and voice and data network infrastructures in building environments (UC1186_3).
− Supervise maintenance of telecommunications and voice and data network infrastructures in building environments (UC1187_3).

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

− Organisation and management of installation of telecommunications and voice and data network infrastructures in building environments (MF1184_3).
− Supervision of installation of telecommunications and voice and data network infrastructures in building environments (MF1185_3).
− Organisation and management of maintenance of telecommunications and voice and data network infrastructures in building environments (MF1186_3).
− Supervision of maintenance of telecommunications and voice and data network infrastructures in building environments (MF1187_3).
− Practical training at the workplace in management and supervision of installation and maintenance of telecommunications and voice and data network infrastructures in building environments (MP0284).

(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:

- Participate in planning, management and supervision of standard telecommunications installations (reception of radio and analogue and digital television signals, distribution networks, dispersion networks, voice and data networks, among others) in building environments, based on the information compiled in the technical documentation, the basic health and safety study and safety regulations.
- Participate in the standard installation of a common telecommunications infrastructure (radio and analogue and digital TV, telephony, public address systems and facility sound systems, voice and data network infrastructures, among others) applying current legislation and following quality and safety standards.
- Collaborate in planning and management of maintenance of standard telecommunications installations in housing, office, business or industrial buildings defining human and material resources, interventions required and sequencing.
- Participate in diagnosis and repair of breakdowns of common telecommunications infrastructure installations in building environments, locating and identifying fault, determining causes and implementing required procedures under safety conditions.

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3. PROFILE OF SKILLS AND COMPETENCES
- Collaborate in the organisation of waste management of standard telecommunications installations in compliance with applicable regulations. - 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, as regulated by the Common Telecommunications Infrastructure Standards. The holder may also work in installation and maintenance of telecommunications systems, joining companies devoted to installation and/or maintenance of telecommunications systems. The most pertinent occupations and positions are:
 	
   – Technician for the supervision, verification and control of telecommunications equipment and installations.
   – Works Foreman for telecommunications installations.
   – Supervisor of individual installations.
   – Specialist in installation, integration and maintenance of telecommunications equipment and systems.

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 VIII Code: ELES0210)

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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	600
Practical training at the workplace	16	80
Total duration of training leading to the certificate		**680**

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