

1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 3 en
IFCT0410 ADMINISTRACIÓN Y DISEÑO DE REDES DEPARTAMENTALES**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 3 in
IFCT0410 ADMINISTRATION AND DESIGN OF DISTRIBUTED NETWORKS
(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to design the communications architecture in an environment of low or medium-level complexity, supervise its implementation according to the project and administer the resulting system, providing the technical assistance needed. This general competence is divided into the following **skills units** (UC):

- Design the telematic network infrastructure (UC0228_3).
- Coordinate the implementation of the telematic network infrastructure (UC0229_3).
- Administer the telematic network infrastructure (UC0230_3).

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

- Design of telematic networks (MF0228_3).
- Management of the implementation of telematic networks (MF0229_3).
- Administration of telematic networks (MF0230_3).
- Practical training at the workplace in Administration and design of distributed networks (MP0396)

(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:

- Collaborate on the design of distributed telematic networks, including the transmission medium and the communications equipment that are most appropriate to the specifications received.
- Analyse the technical documentation on project implementation and/or maintenance of a distributed telematic network, identifying the information needed to take part in the planning of the processes required.
- Prepare proposals for the planning, programming and monitoring of the implementation and/or maintenance of a distributed telematic network based on the technical documentation establishing the necessary specifications.
- Diagnose and localise faults in a network.
- Apply techniques and procedures to guarantee quality in the process of network implementation and maintenance.
- Collaborate on the configuration of network interconnection equipment.
- Prepare proposals for developing the network according to requirements.
- 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 the sectors where the following processes are carried out: Design and development of communications systems and associated installations; Maintenance of telematic networks; Installation of telematic networks; Use of a corporate network as support for the business process in any business sector. The most pertinent occupations and positions are:

- Network designer.
- Network systems manager.
- Telematic systems administrator.
- Network and communications administrator.
- Local networks and telematics technician.
- Network installation supervisor.
- Telematics network design technician.

5. OFFICIAL BASIS OF THE CERTIFICATE		
<p style="text-align: center;">Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>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.</p>		
<p style="text-align: center;">Level of the certificate</p> <p>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).</p> <p>The European Qualification Framework (EQF) level:</p>		
<p style="text-align: center;">Grading scale/Pass requirements</p> <p>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.</p> <p>The grading system is as follows:</p> <ul style="list-style-type: none"> - FAIL: 0 to 4.9 - PASS-SATISFACTORY: 5 to 6.9 - PASS-GOOD: 7 to 8.9 - PASS-EXCELLENT: 9 to 10 		
<p style="text-align: center;">Access to next level of education/training</p> <p>This Professional Certificate Level 3 gives access to Professional Certificate Level 3 within the same professional area and family.</p> <p>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.</p>		
<p style="text-align: center;">Legal basis</p> <p>Royal Decree 1531/2011 of 31 October, establishing twelve professional certificates in the professional family Information and Communications Technology, which are included in the National Repertoire of Professional Certificates. (Appendix X, Code: IFCT0410)</p> <p>Amended by Royal Decree 628/2013 of 2 August, establishing four professional certificates in the professional family Information and Communications Technology, which are included in the National Repertoire of Professional Certificates, and updating the professional certificates established as Appendices I, II, III, IV, V, VI, VII, VIII, IX, X, XI and XII of Royal Decree 1531/2011 of 31 October, and as Appendices I, II, III, IV, V and VI of Royal Decree 686/2011 of 13 May.</p>		

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE		
<p>This certificate may be acquired by:</p> <ol style="list-style-type: none"> 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. <p>The training method (number 1 above) requires successful completion of the training modules and the practical training at the workplace:</p>		
Description of vocational training received	Percentage of total programme (%)	Duration (hours)

Training modules	87	530
Practical training at the workplace	13	80
Total duration of training leading to the certificate		610
<p>Entry/access requirements:</p> <ul style="list-style-type: none"> - <i>Bachiller</i> 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. <p>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</p> <p>National Europass Centre: www.oapee.es</p>		

(*) **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

