

## 1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 3 en  
IFCM0111 MANTENIMIENTO DE SEGUNDO NIVEL EN SISTEMAS DE RADIOCOMUNICACIONES**

## 2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 3 in  
IFCM0111 SECOND-LEVEL MAINTENANCE IN RADIO COMMUNICATIONS SYSTEMS  
(This translation has no legal status)**

## 3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** organise and coordinate the processes of implementation and maintenance and resolve any incidents and claims received directly, or escalated by the lower level, in local and metropolitan area wireless networks, and in fixed and mobile radio communications systems, ensuring their availability, security, optimum performance and service functionality. This general competence is divided into the following **skills units** (UC):

- Organise and manage the implementation and maintenance of local area and metropolitan wireless networks (UC1221\_3).
- Coordinate and implement fixed and mobile network radio communications systems (UC1222\_2).
- Manage the maintenance of fixed and mobile network radio communication systems (UC1223\_3).

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

- Planning and maintenance of local area and metropolitan wireless networks (MF1221\_3).
- Management of the implementation of systems of fixed and mobile network radio communication systems (MF1222\_3).
- Management of the maintenance of fixed and mobile network radio communication systems (MF1223\_3).
- Practical training at the workplace in second-level maintenance in radio communication systems (MP0453)

(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:

- Take part in the planning and maintenance of local area and metropolitan wireless networks, as well as the management and implementation of the maintenance of fixed and mobile network radio communication systems, in accordance with the procedures established by the company.
- 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 basically in the communications sector, above all in public bodies and companies in any productive sector that because of their size need to manage radio communications networks; companies that provide installation, maintenance and technical assistance services to radio communications networks; communications operators and companies that provide communications services. The most pertinent occupations and positions are:

- Expert in second-level maintenance and support in radio communication systems.
- Expert in WLAN networks and systems.
- Supervisor of wireless network operations.
- Expert in external and internal radiofrequency measurement.
- Communications electronics technician.
- Communications technician.

<b>5. OFFICIAL BASIS OF THE CERTIFICATE</b>	
<p style="text-align: center;"><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></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;"><b>Level of the certificate</b></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;"><b>Grading scale/Pass requirements</b></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"> <li>- FAIL: 0 to 4.9</li> <li>- PASS-SATISFACTORY: 5 to 6.9</li> <li>- PASS-GOOD: 7 to 8.9</li> <li>- PASS-EXCELLENT: 9 to 10</li> </ul>	
<p style="text-align: center;"><b>Access to next level of education/training</b></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;"><b>Legal basis</b></p> <p>Royal Decree 628/2013 of 2 August, establishing four professional certificates in the professional family IT and Communications, 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. (Appendix III, Code: IFCM0111)</p>	

<b>6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE</b>		
<p>This certificate may be acquired by:</p> <ol style="list-style-type: none"> <li>1. Training: Completion with a pass grade of the face-to-face or online training programme.</li> <li>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.</li> <li>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.</li> </ol> <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	88	600
Practical training at the workplace	12	80
<b>Total duration of training leading to the certificate</b>		<b>680</b>

**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](http://www.sepe.es)

National Europass Centre: [www.oapee.es](http://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>

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

