

1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 2 en
IEXM0509 OPERACIONES EN INSTALACIONES DE TRANSPORTE SUBTERRÁNEAS EN INDUSTRIAS EXTRACTIVAS**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 2 in
IEXM0509 UNDERGROUND TRANSPORT OPERATIONS IN EXTRACTIVE INDUSTRIES
(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to transport goods, materials and personnel in underground facilities, by continuous or intermittent means, for the extraction of mineral resources or for the construction of underground civil engineering works, in accordance with current regulations on occupational risk prevention and environmental protection. This general competence is divided into the following **skills units** (UC):

- Transport using rail wagons in underground excavations (UC0861_2).
- Transport using continuous means (UC0862_2).
- Transport using cable traction systems (UC0863_2).
- Prevent risks in underground excavations (UC0864_2).

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

- Transport using rail wagons (MF0861_2).
- Transport using continuous means (MF0862_2).
- Transport using cable traction systems (MF0863_2).
- Prevention of risks in underground excavations (MF0864_2).
- Practical training at the workplace in underground transport operations in extractive industries (MP0161)

(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:

- Observe the risks in an underground excavation and indicate the safety measures to adopt, identifying the personal and collective protection equipment.
- Collaborate on the preparation, installation and maintenance of the tracks.
- Intervene in the transportation procedures.
- Collaborate on the transport procedures using cable traction systems.
- 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 companies dedicated to underground extractive activity and the execution of underground projects in general. The holder may work in the extractive and construction industries, mainly in the following productive activities: extraction of energy minerals; extraction of uranium and thorium ore; extraction of metal ore; extraction of non-metal and non- energy ore (stones, sands and clays, minerals for fertilizers and chemicals, gem salt and others); special underground civil engineering projects (construction of tunnels for roads, railways, underground railways, etc. and supply networks: gas, oil, water and others, including sewage networks). The most pertinent occupations and positions are:

- Operator of machines for the extraction of minerals, in general.
- Mining machinery driver/operator.
- Transport and extraction miner (mines).
- Earth moving mining machinery driver/operator.
- Mining train driver (mines and quarries).
- Train switchman/derrick hand.

Requirements for exercising the profession:

Workers in underground mining operations must receive prior instruction on basic safety regulations. The professional

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THIS CERTIFICATE

activity of drivers and machinists of automotive vehicles for the transport in underground operations and operators of extraction machines is subject to regulation by the competent government authority.

"*Formación preventiva para el desempeño del puesto de trabajo*" (Preventive training for the job) specified in the Complementary Technical Instruction (ITC 02.1.02) of the General Regulation on Mining Safety Rules, approved by Royal Decree 863/1985 of 2 April.

For transport with rail wagons, the holder must have a certificate of aptitude issued by the competent mining authority, as laid down by Royal Decree 863/1985, approving the General Regulation on Basic Mining Safety Rules and the Complementary Technical Instructions (ITC 04.05.04).

For transport with extractive machines, the holder must have a certificate of aptitude issued by the competent mining authority, as laid down by Royal Decree 863/1985, approving the General Regulation on Basic Mining Safety Rules and the Complementary Technical Instructions (ITC 04.3.01).

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 2 of the National Repertoire of Professional Certificates corresponds to level 3 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 2 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 713/2011 of 20 May, establishing twelve professional certificates in the professional family Extraction Industry, which are included in the National Repertoire of Professional Certificates, and updating the professional certificates established in Royal Decree 1217/2009 of 17 July. (Appendix VIII, Code: IEXM0509)

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	85	440
Practical training at the workplace	15	80
Total duration of training leading to the certificate		520

Entry/access requirements:

- Compulsory Secondary Education Diploma (Lower secondary education); or
- Professional Certificate Level 1 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>

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

