

1. TITLE OF THE CERTIFICATE (ES)

Certificado de Profesionalidad de nivel 1 en
IEXM0609 OPERACIONES AUXILIARES EN EL MONTAJE Y MANTENIMIENTO MECÁNICO DE INSTALACIONES Y EQUIPOS DE EXCAVACIONES Y PLANTAS

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Professional Certificate Level 1 in
IEXM0609 AUXILIARY OPERATIONS IN ASSEMBLY AND MECHANICAL MAINTENANCE OF INSTALLATIONS AND SEMI-MOBILE EQUIPMENT IN EXCAVATIONS WORKS AND PLANTS
 (This translation has no legal status)

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to do basic operations of assembly and mechanical maintenance of facilities, equipment and machinery, both in open-pit or underground excavations, and in processing plants and smelting of minerals and rocks and production of natural stone activities, giving assistance to the higher level maintenance technicians responsible in those activities and complying with the occupational risks prevention standards and environmental protection measures. This general competence is divided into the following **skill units(UC)**:

- Do auxiliary operations in the assembly and maintenance of facilities and fixed equipment in excavations and plants (UC1317_1).
- Do auxiliary operations in the assembly and maintenance of machinery and equipment in underground and open face excavations (UC1318_1).
- Do basic operations of cutting, forming and welding in processes of assembly and mechanical maintenance (UC1319_1).
- Prevent risks in underground and open-pit excavations works (UC0858_1).

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

- Auxiliary operations of assembly and maintenance of facilities and fixed equipment in excavations and plants (MF1317_1).
- Auxiliary operations of assembly and maintenance of machinery and equipment in underground and open face excavations (MF1318_1).
- Basic cutting, forming and welding operations in processes of assembly and mechanical maintenance (MF1319_1).
- Risks prevention in underground and open-pit excavations (MF0858_1).
- Practical training at the workplace in Auxiliary operations in assembly and mechanical maintenance of installations and semi-mobile equipment in excavations and plants (MP0237).

(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 that complete and reinforce the learning outcomes acquired in the other training modules, are:

- Perform auxiliary operations of assembly and maintenance of facilities and fixed equipment, using the appropriate tools, equipment and materials and acting under the safety standards.
- Perform basic assembly and maintenance of drilling equipment, excavation, maintenance, loading and transport operations, using the appropriate tools, equipment and materials and acting under the safety standards.
- Practice basic cutting, forming and welding operations, using the appropriate tools and materials and equipment, and operating under safety standards.
- Observe the risks and safety measures to be taken in open-pit and underground excavations, identifying collective protections and personal protection equipment to be used.
- Participate in the working processes of the company, following the rules and instructions established at the workplace.

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

The holder of the certificate may work in companies dedicated to open face and underground excavations works, with usability or not of extracted materials, in plants of treatment and smelting of minerals and rocks and processing of natural stone. He/she works in the sectors of mining and construction industries, and especially in the following production activities: extraction of energetic minerals (coal, lignite); mining of uranium and thorium; metal mining; non-metallic and non-energetic mining (building stone, limestone, gypsum and chalk, sand and clay, mineral fertilizers and chemicals, rock salt and others) minerals; stone industry; drilling and boring; demolition and excavation; large earth movements; unique civil engineering works in low and high height; unique works of underground civil engineering (construction of tunnels for roads, railways, subways, and other supply networks: gas, oil, water and others, including sink networks). The most relevant occupations and work positions are:

- Assistant to electromechanical miner.
- Construction machinery mechanical repairer, earth movements and / or mining activities assistant.
- Assistant to the assembler-adjuster of mining machinery.
- Assistant to infrastructure maintenance in open-pit and underground infrastructures.

Requirements for exercising the profession:

The professional activities of the workers in underground mining operations, with respect to the general and specific safety regulations for the particular job, are subject to regulation by the competent government authority. For the exercise of underground mining activity in general, a "*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 Basic Mining Safety Rules, approved by Royal Decree 863/1985 of 2 April.

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 1 of the National Repertoire of Professional Certificates corresponds to level 2 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 1 gives access to Professional Certificate Level 2 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 May 20th, by which twelve professional certificates of the professional family Extractive Industry, included in the National Repertoire of professional certificates and established, and certain professional certificates established by Royal Decree 1217/ 2009 of July 17th are updated. (Appendix II, Code: IEXM0609)

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	82	370
Practical training at the workplace	18	80
Total duration of training leading to the certificate		450

Entry/access requirements:

- No entry requirements

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.sepie.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

