

CERTIFICATE SUPPLEMENT (*)
SPAIN

1. TITLE OF THE CERTIFICATE (original language: ES)

TÉCNICO EN OPERACIÓN, CONTROL Y MANTENIMIENTO DE MÁQUINAS MARINAS E
INSTALACIONES DEL BUQUE

2. TRANSLATED TITLE OF THE CERTIFICATE (language: EN)

EXPERT IN THE OPERATION, CONTROL AND MAINTENANCE OF MARINE ENGINES AND SHIP
FACILITIES

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

General competence

Operate, control and maintain the propelling system and the ship's equipment and facilities. Repairing components of the on-board systems and equipment.

Organizing and controlling on-board safety and survival.

Competence units

1. Verifying, controlling and maintaining the operation parameters of the main engine and the auxiliary machines.

2. Operating, controlling and maintaining the electrical equipment and facilities.

3. Operating, controlling and maintaining the hydraulic, pneumatic equipment and facilities and the automation equipment.

4. Operating, controlling and maintaining therefrigeration, extraction, preparation and processing equipment and facilities.

5. Performing the operations of repairing the elements and equipment at sea and on land.

6. Organizing and controlling on-board safety, survival and health care.

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

Occupations or jobs:

Chief engineer (with the limitations established under competences above). Officer in charge of watch. Engines and facilities maintenance and repair manager. Chief engines installer. Engineer. Fishing company's inspector. Ship maintenance manager.

(*) Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any 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.

The body awarding this Certificate Supplement may leave blank any box considered not to be applicable.

6. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate MINISTERIO DE EDUCACIÓN, CULTURA Y DEPORTE (Central Government)	Name and status of the national/regional authority providing accreditation/recognition of the certificate MINISTERIO DE EDUCACIÓN, CULTURA Y DEPORTE (Central Government) COMPETENT BODY IN THE AUTONOMOUS COMMUNITY (Autonomic Government)
Level of the certificate in the awarding country Intermediate Vocational Training (CNEB 33 F – Specific Intermediate Vocational Training and equivalent, Plastic Arts and Design, and Sports)	Grading scale / Pass requirements Basic regulation of the Ministry of Education, Culture and Sports of 21 July 1994. Occupational modules: graded from 1 to 10 (5 is pass). Training at work: pass / fail. Continuous assessment system.
Access to next level of education/training Secondary Education and Advanced Training Cycles in the same occupational family or a related family as per regulations.	International agreements
Legal basis Law 1/1990 of October 3, Organic Law 5/2002 of June 19, Royal Decree 676/1993 of May 7, Royal Decree 777/1998 of April 30. ROYAL DECREE 725/1994, of April 22 (BOE 24.06.94)	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme (%)	Duration <i>hours/weeks/months/years</i>
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* At Secondary Education Centres or approved training centres, including training modules of a theoretical practical nature and Training at Work.

- AUTOMATION: REGULATION AND CONTROL
- TRAINING AT WORK
- OCCUPATIONAL TRAINING AND GUIDANCE
- ELECTRICAL FACILITIES AND MACHINES
- FOREIGN LANGUAGE (ENGLISH)
- OPERATION AND MAINTENANCE OF PROPELLING EQUIPMENT AND SERVICES
- OPERATION AND MAINTENANCE OF REFRIGERATION AND PRODUCTION SYSTEMS
- AUXILIARY OPERATIONS IN INDUSTRIAL MAINTENANCE
- RELATIONS IN THE WORKING ENVIRONMENT
- SAFETY, SURVIVAL AND FIRST AID AT SEA

	<i>Total duration of the education/ training leading to the certificate</i>	2000 hours
Entry requirements Holding the Secondary Education Graduate Certificate or equivalent certificate for entry purposes. Holding the certificate of the entry examination.		
Additional information More information available at: http://www.educacion.es		