

**CERTIFICATE SUPPLEMENT (*)
SPAIN**

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

TÉCNICO SUPERIOR EN SUPERVISIÓN Y CONTROL DE MÁQUINAS MARINAS E INSTALACIONES DEL BUQUE

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

ADVANCED EXPERT IN THE SUPERVISION AND CONTROL AND OF MARINE MACHINES AND SHIP'S FACILITIES

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

General competence

Plan and direct the activities of maintenance and repair of the ship's machines service and facilities, complying and supervising compliance with safety and environmental rules.

Competence units

1. Supervising and controlling the operation of the propelling plant, the auxiliary engines, and the services.
2. Supervising and controlling the operation of the electrical facilities, ensuring their availability and safety.
3. Supervising and controlling the operation of the hydraulic and pneumatic facilities and the automation equipment.
4. Supervising and controlling the refrigeration, extraction, preparation and processing facilities and equipment.
5. Organizing the maintenance and repair of 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. Maintenance manager. Fishing company's inspector. Officer in charge of the watch (with the limitations established under competences above). Inspector in engines and machines repair companies.

(*) 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 Advanced Vocational Training (CNED 51 H– Advanced Specific Vocational Training and equivalents, 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 <ul style="list-style-type: none"> - Naval Machines Diplomaed Specialist. - Maritime Navigation Diplomaed Specialist. - Naval Radio-electronics Diplomaed Specialist. - Aircraft Technical Engineer (all majors) - Industrial Technical Engineer (all majors) - Naval Technical Architect (all majors) - Telecommunications Technical Engineer (all majors) 	International agreements
Legal basis General Organic Law of the Educational System 1/1990 of October 3, Organic Law 5/2002 of June 19 on Qualifications and Vocational Training, Royal Decree 676/1993 of May 7, Royal Decree 777/1998 of April 30. ROYAL DECREE 722/1994, 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.

- TRAINING AT WORK
- OCCUPATIONAL TRAINING AND GUIDANCE
- SHIP'S ELECTRICAL FACILITIES AND EQUIPMENT
- FISH EXTRACTION, PROCESSING AND PRESERVATION FACILITIES AND PROCESSES
- FOREIGN LANGUAGE (ENGLISH)
- PLANNING AND MANAGEMENT OF FACILITIES
- RELATIONSHIPS IN THE WORKING ENVIRONMENT
- SAFETY, SURVIVAL AND FIRST AID AT SEA
- AUTOMATIC AND REGULATION SYSTEMS IN A SHIP
- PROPELLING SYSTEMS AND SERVICES IN A SHIP
- AUXILIARY TECHNIQUES IN INDUSTRIAL MAINTENANCE

	<i>Total duration of the education/ training leading to the certificate</i>	2000 hours
Entry requirements Holding the Certificate in Post-Compulsory Secondary Education (Bachillerato) or holding the corresponding certificate of the entry examination.		
Additional information More information available at: http://www.educacion.es		

