

Part:

Enligt sändlista

Angående erhållande av behörighet som fartygseltekniker

Välkommen att ta del av information gällande förfarandet för erhållande av behörighet som fartygseltekniker.

Bakgrund

Transportstyrelsen har under våren 2014 sammanställt de utbildningskrav som återfinns i STCW konventionen och dess kod för erhållande av fartygseltekniker. Dessa utbildningskrav återfinns på sidan tre och framåt.

Förtydligande av kravbilden

Sjömän som före den 1 januari 2012 tjänstgjort i en befattning ombord som av Transportstyrelsen bedöms motsvara en befattning som fartygseltekniker i minst 12 månader den senaste femårsperioden får efter ansökan hos Transportstyrelsen ges behörighet som fartygseltekniker.

Utöver intygande av tjänstgöringskravet enligt ovan ska sökanden bifoga, ifrån arbetsgivaren, intyg om uppfyllelse av utbildningskraven på sidan tre och framåt.

Förfarandet vid ansökan

Sökanden kan på webbplatsen www.transportstyrelsen.se/ombordanstallda skapa ett konto på mina sidor där denne sedan kan ansöka om ovan nämnda behörighetsbevis. Viktigt är att sökanden bifogar handlingar som styrker nämnda krav enligt nedan för den sökta behörigheten, av ansökningsblanketten framgår det även vilka ytterligare handlingar som ska bifogas till ansökan.

Kontakt

Frågor med anledning av ovan nämnda behörighetsbevis kan ställas till:

0771-41 33 00 eller, sjofart.behorighet@transportstyrelsen.se

Sändlista

Chalmers tekniska Högskola	info.smt@chalmers.se
Sjöbefälsförbundet	sbef@ledarna.se
Sjöfartens Arbetsgivareförbund	info@transportgruppen.se
Sjöfartshögskolan i Kalmar	kma@lnu.se
Sveriges Fartygsbefälsförening	kansli@sbf.se
Sveriges Redareförening	srf@sweship.se

Följande kompetens ska finnas dokumenterad och intygas av sökandes arbetsgivare samt bifogas till ansökan för behörighet som fartygseltekniker

Monitor the operation of electrical, electronic and control systems

Basic understanding of the operation of mechanical engineering systems, including:

- .1 prime movers, including main propulsion plant
- .2 engine-room auxiliary machinery
- .3 steering systems
- .4 cargo handling systems
- .5 deck machinery
- .6 hotel systems

Basic knowledge of heat transmission, mechanics and hydromechanics

Knowledge of:

Electro-technology and electrical machines theory

Fundamentals of electronics and power electronics

Electrical power distribution boards and electrical equipment

Fundamentals of automation, automatic control systems and technology

Instrumentation, alarm and monitoring systems

Electrical drives

Technology of electrical materials

Electro-hydraulic and electro-pneumatic control systems

Appreciation of the hazards and precautions required for the operation of power systems above 1,000 volts

Monitor the operation of automatic control systems of propulsion and auxiliary machinery

Preparation of control systems of propulsion and auxiliary machinery for operation

Operate generators and distribution systems

Coupling, load sharing and changing over generators

Coupling and breaking connection between switchboards and distribution panels

Operate and maintain power systems in excess of 1,000 volts

Theoretical knowledge

High-voltage technology

Safety precautions and procedures

Electrical propulsion of the ships, electrical motors and control systems

Practical knowledge

Safe operation and maintenance of high-voltage systems, including knowledge of the special technical type of highvoltage systems and the danger resulting from operational voltage of more than 1,000 volts

Operate computers and computer networks on ships

Understanding of:

- .1 main features of data processing
- .2 construction and use of computer networks on ships
- .3 bridge-based, engine-room-based and commercial computer use

Use English in written and oral form

Adequate knowledge of the English language to enable the officer to use engineering publications and to perform the officer's duties

Use internal communication systems

Operation of all internal communication systems on board

Maintenance and repair of electrical and electronic equipment

Safety requirements for working on shipboard electrical systems, including the safe isolation of electrical equipment required before personnel are permitted to work on such equipment

Maintenance and repair of electrical system equipment, switchboards, electric motors, generators and DC electrical systems and equipment

Detection of electric malfunction, location of faults and measures to prevent damage

Construction and operation of electrical testing and measuring equipment

Function and performance tests of the following equipment and their configuration:

- .1 monitoring systems
- .2 automatic control devices
- .3 protective devices

The interpretation of electrical and electronic diagrams

Maintenance and repair of automation and control systems of main propulsion and auxiliary machinery

Appropriate electrical and mechanical knowledge and skills

Safety and emergency procedures

Safe isolation of equipment and associated systems required before personnel are permitted to work on such plant or equipment

Practical knowledge for the testing, maintenance, fault finding and repair

Test, detect faults and maintain and restore electrical and electronic control equipment to operating condition

Maintenance and repair of bridge navigation equipment and ship communication systems

Knowledge of the principles and maintenance procedures of navigation equipment, internal and external communication systems

Theoretical knowledge:

Electrical and electronic systems operating in flammable areas

Practical knowledge:

Carrying out safe maintenance and repair procedures

Detection of machinery malfunction, location of faults and action to prevent damage

Maintenance and repair of electrical, electronic and control systems of deck machinery and cargo-handling equipment

Appropriate electrical and mechanical knowledge and skills

Safety and emergency procedures

Safe isolation of equipment and associated systems required before personnel are permitted to work on such plant or equipment

Practical knowledge for the testing, maintenance, fault finding and repair

Test, detect faults and maintain and restore electrical and electronic control equipment to operating condition

Maintenance and repair of control and safety systems of hotel equipment

Theoretical knowledge:

Electrical and electronic systems operating in flammable areas

Practical knowledge:

Carrying out safe maintenance and repair procedures

Detection of machinery malfunction, location of faults and action to prevent damage

Ensure compliance with pollution prevention requirements*Prevention of pollution of the marine environment*

Knowledge of the precautions to be taken to prevent pollution of the marine environment

Anti-pollution procedures and all associated equipment

Importance of proactive measures to protect the marine environment

Application of leadership and team working skills

Working knowledge of shipboard personnel management and training

Ability to apply task and workload management, including:

- .1 planning and co-ordination
- .2 personnel assignment
- .3 time and resource constraints
- .4 prioritization

Knowledge and ability to apply effective resource management:

- .1 allocation, assignment, and prioritization of resources
- .2 effective communication on board and ashore
- .3 decisions reflect consideration of team experiences
- .4 assertiveness and leadership, including motivation
- .5 obtaining and maintaining situational awareness

Knowledge and ability to apply decision-making techniques:

- .1 Situation and risk assessment
- .2 Identify and consider generated options
- .3 Selecting course of action
- .4 Evaluation of outcome effectiveness