



**Segelschulschiff „Großherzogin Elisabeth“**  
**Ausbildungskonzept Anlage II: Entsprechungen zu STCW 95**

STCW Table A-II/4 Specification of minimum standard of competence for ratings forming part of a navigational watch Function: Navigation at the support level				
Column 1	Column 2	Column 3	Column 4	Ausbildungsmatrix (Version 4)
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence	
Steer the ship and also comply with helm orders in the English language	Use of magnetic and gyro-compasses  Helm orders  <i>[Change-over from automatic pilot to hand steering and vice versa]*</i>	Assessment of evidence obtained from: .1 practical test, or .2 approved in-service experience, or .3 approved training ship experience	A steady course is steered within acceptable limits, having regard to the area of navigation and prevailing sea state. Alterations of course are smooth and controlled  Communications are clear and concise at all times and orders are acknowledged in a seaman-like manner	2.1.4 / 2.1.5 2.2.4
Keep a proper look-out by sight and hearing	Responsibilities of a look-out, including reporting the approximate bearing of a sound signal, light or other object in degrees or points	Assessment of evidence obtained from: .1 practical test, or .2 approved in-service experience, or .3 approved training ship experience	Sound signals, lights and other objects are promptly detected and their approximate bearing, in degrees or points, is reported to the officer of the watch	2.1.1
Contribute to monitoring and controlling a safe watch	Shipboard terms and definitions Use of appropriate internal communication and alarm systems Ability to understand orders and to communicate with the officer of the watch on matters relevant to watchkeeping duties Procedures for the relief, maintenance and handover of a watch	Assessment of evidence obtained from approved in-service experience or approved training ship experience	Communications are clear and concise and advice/clarification is sought from the officer on watch where watch information or instructions are not clearly understood  Maintenance, handover and relief of the watch is in conformity with accepted practices and procedures	1.1.1 / 1.1.2 / 1.1.3 / 1.1.4 / 1.1.5 / 2.1.2 / 2.1.6 / 2.1.7 / 2.1.9 / 5.1.1 / 5.1.2 / 6.1.1 2.2.1

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Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence	
	Information required to maintain a safe watch Basic environmental protection procedures			
Operate emergency equipment and apply emergency procedures	Knowledge of emergency duties and alarm signals Knowledge of pyrotechnic distress signals; satellite EPIRBs and SARTs Avoidance of false distress alerts and action to be taken in event of accidental activation	Assessment of evidence obtained from demonstration and approved in-service experience or approved training ship experience	Initial action on becoming aware of an emergency or abnormal situation is in conformity with established practices and procedures Communications are clear and concise at all times and orders are acknowledged in a seaman-like manner The integrity of emergency and distress alerting systems is maintained at all times	5.1.1 / 5.1.2 5.2.8

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<b>STCW Table A-II/5</b> Specification of minimum standards of competence of <b>ratings as able seafarer deck</b> Function: Navigation at the support level <i>[Function: Cargo handling and stowage at the support level]*</i> Function: Controlling the operation of the ship and care for persons on board at the support level Function: Maintenance and repair at the support level				
Column 1	Column 2	Column 3	Column 4	Ausbildungsmatrix
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence	
Contribute to a safe navigational watch	Ability to understand orders and to communicate with the officer of the watch on matters relevant to watchkeeping duties.  Procedures for the relief, maintenance and handover of a watch.  Information required to maintain a safe watch.	Assessment of evidence obtained from in-service experience or practical test	Communications are clear and concise  Maintenance, handover and relief of the watch is in conformity with acceptable practices and procedures	2.1.2 / 2.1.6 / 2.1.7 / 2.1.9 / 5.1.1 / 5.1.2  2.2.1
Contribute to berthing, anchoring and other mooring operations	Working knowledge of the mooring system and related procedures, including: .1 the function of mooring and tug lines and how each line functions as part of an overall system  .2 <i>[the capacities, safe working loads, and breaking strengths of mooring equipment, including mooring wires, synthetic and fibre lines, winches, anchor windlasses, capstans, bits, chocks and bollards]*</i>	Assessment of evidence obtained from one or more of the following: .1 approved in-service experience .2 practical training .3 examination .4 approved training ship experience .5 approved simulator training, where appropriate	Operations are carried out in accordance with established safety practices and equipment operating instructions	2.1.13 / 2.1.14 / 2.1.15 / 3.1.3 / 2.2.12 / 2.2.13 / 2.2.14 / 2.2.16

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<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>	<b>Column 4</b>	
<b>Competence</b>	<b>Knowledge, understanding and proficiency</b>	<b>Methods for demonstrating competence</b>	<b>Criteria for evaluating competence</b>	
	.3 the procedures and order of events for making fast and letting go mooring and tug lines and wires, including towing lines  .4 the procedures and order of events for the use of anchors in various operations  <i>[Working knowledge of the procedures and order of events associated with mooring to a buoy or buoys]*</i>			
Contribute to the safe operation of deck equipment and machinery	Knowledge of deck equipment, including: .1 function and uses of valves and pumps, hoists, cranes, booms, and related equipment .2 function and uses of winches, windlasses, capstans and related equipment .3 hatches, watertight doors, ports, and related equipment .4 fibre and wire ropes, cables and chains, including their construction, use, markings,	Assessment of evidence obtained from one or more of the following: .1 approved in-service experience .2 practical training .3 examination .4 approved training ship experience	Operations are carried out in accordance with established safety practices and equipment operating instructions  1.1.6 / 2.1.8 / 2.1.12 / 2.1.13 / 2.1.14 / 2.1.16 / 3.1.1 / 3.1.2 / 4.1.1 / 4.1.2 / 4.1.3 / 4.1.4 / 4.1.5 / 4.1.6 / 4.1.7  1.2.1 / 2.2.8 / 2.2.12 / 2.2.13 / 3.2.1 / 3.2.2 / 3.2.3 / 3.2.4 / 4.2.4 / 4.2.5	

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<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>	<b>Column 4</b>	
<b>Competence</b>	<b>Knowledge, understanding and proficiency</b>	<b>Methods for demonstrating competence</b>	<b>Criteria for evaluating competence</b>	
	maintenance and proper stowage .5 ability to use and understand basic signals for the operation of equipment, including winches, windlasses, cranes, and hoists .6 ability to operate anchoring equipment under various conditions, such as anchoring, weighing anchor, securing for sea, and in emergencies Knowledge of the following procedures and ability to: .1 rig and unrig bosun's chairs and staging .2 rig and unrig pilot ladders, hoists, rat-guards and gangways .3 use marlin spike seamanship skills, including the proper use of knots, splices and stoppers <i>[Use and handling of deck and cargo-handling gear and equipment:</i>	Assessment of evidence obtained from practical demonstration  Assessment of evidence obtained from practical demonstration  Assessment of evidence obtained from practical demonstration	Communications within the operator's area of responsibility are consistently successful  Equipment operation is safely carried out in accordance with established procedures  Demonstrate the proper methods for rigging and unrigging in accordance with safe industry practice  Demonstrate the proper creation and use of knots, splices, stoppers, whippings, servings as well as proper canvas handling	

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Column 1	Column 2	Column 3	Column 4	<b>Ausbildungsmatrix</b>
<b>Competence</b>	<b>Knowledge, understanding and proficiency</b>	<b>Methods for demonstrating competence</b>	<b>Criteria for evaluating competence</b>	
	<i>.1 access arrangements, hatches and hatch covers, ramps, side/bow/stern doors or elevators</i> <i>.2 pipeline systems – bilge and ballast suctions and wells</i> <i>.3 cranes, derricks, winches]*</i>  Knowledge of hoisting and dipping flags and the main single-flag signals. (A, B, G, H, O, P, Q)		Demonstrate the proper use of blocks and tackle  Demonstrate the proper methods for handling lines, wires, cables and chains	
Apply occupational health and safety precautions	Working knowledge of safe working practices and personal shipboard safety including: .1 working aloft .2 working over the side .3 working in enclosed spaces .4 permit to work systems .5 line handling .6 lifting techniques and methods of preventing back injury .7 electrical safety .8 mechanical safety	Assessment of evidence obtained from one or more of the following: .1 approved in-service experience .2 practical training .3 examination .4 approved training ship experience	Procedures designed to safeguard personnel and the ship are observed at all times  Safe working practices are observed and appropriate safety and protective equipment is correctly used at all times	2.1.9 / 3.1.5 / 4.1.9 / 4.1.10 / 3.2.6 / 4.2.10 / 5.2.1

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Column 1	Column 2	Column 3	Column 4	Ausbildungsmatrix
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence	
	.9 chemical and biohazard safety personal safety equipment			
Apply precautions and contribute to the prevention of pollution of the marine environment	Knowledge of the precautions to be taken to prevent pollution of the marine environment Knowledge of the use and operation of anti-pollution equipment Knowledge of the approved methods for disposal of marine pollutants	Assessment of evidence obtained from one or more of the following: .1 approved in-service experience .2 practical training .3 examination .4 approved training ship experience	Procedures designed to safeguard the marine environment are observed at all times	5.2.1
Operate survival craft and rescue boats	Knowledge of the operation of survival craft and rescue boats, their launching appliances and arrangements, and their equipment Knowledge of survival at sea techniques	Assessment of evidence obtained from approved training and experience as set out in section A-VI/2, paragraphs 1 to 4	Actions in responding to abandon ship and survival situations are appropriate to the prevailing circumstances and conditions and comply with accepted safety practices and standards	5.1.7 / 5.1.8 / 5.1.10 5.2.7 / 5.2.8 / 5.2.10

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Column 1	Column 2	Column 3	Column 4	
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence	
Contribute to shipboard maintenance and repair	Ability to use painting, lubrication and cleaning materials and equipment Ability to understand and execute routine maintenance and repair procedures Knowledge of surface preparation techniques Understanding manufacturer's safety guidelines and shipboard instructions Knowledge of safe disposal of waste materials Knowledge of the application, maintenance and use of hand and power tools	Assessment of evidence obtained from practical demonstration Assessment of evidence obtained from one or more of the following: .1 approved in-service experience .2 practical training .3 examination .4 approved training ship experience	Maintenance and repair activities are carried out in accordance with technical, safety and procedural specifications	

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