



## **Standards for the practical examination for obtaining a certificate of qualification for the operational level (OL)**

### **1. Specific competences and assessment situations**

Examiners shall test all category I elements.

Examiners shall test 20 category II elements. Examiners are free to decide on the content of the elements they select.

Applicants can score a maximum of 10 points in each element. For category I, applicants must score a minimum of 7 out of 10 points in each element. For category II, applicants must score a minimum 120 points.

Some examination elements may be demonstrated in an approved training programme or by other adequate proof recognised by Member States.

Elements no. 1- 11, which are all part of "Navigation" in the ES-QIN competence tables for boatmen, do not have to be part of the practical examination if the ability to steer a craft as described in these elements was proven in an approved training programme.

Adequate proof (documentation) for the successful assessment shall be presented before the practical examination.

Examination elements are listed in the table below.

No.	Competence <sup>1</sup>	Examination elements	Category I-II
1	1.1.1 (2,3+4)	assist in mooring, unmooring, and hauling (towing) operations;	I
2	1.1.2 (2+4)	assist with coupling operations of push barge combinations;	II
3	1.1.3 (2)	assist with anchoring operations;	I
4	1.1.4 (2)	steer the craft complying with helm orders, using steering gear properly;	I
5	1.1.5 (2)	steer the craft complying with helm orders, taking the influence of wind and current into account;	I
6	1.1.6 (2+3)	use navigational aids and instruments under supervision;	I
7	1.1.7 (2+3+4+6+7)	undertake necessary actions for safety of navigation;	I
8	1.1.8 (6)	describe the characteristics of main European inland waterways, ports and terminals for voyage preparation and steering;	II
9	1.1.9 (2)	respect the general provisions, signals, signs and marking system;	I
10	1.1.10 (2)	follow procedures while negotiating locks and bridges;	II
11	1.1.11 (2+3)	use traffic control systems;	II
12	2.1.1 (2)	distinguish various types of craft;	II
13	2.1.2 (2)	apply knowledge of the construction of inland waterway craft and their behaviour in water, especially in terms of stability and strength;	II
14	2.1.3 (2)	apply knowledge of the craft's structural parts and identify the parts by name and function;	II
15	2.1.4 (2)	apply knowledge on the craft's watertight integrity;	II
16	2.1.5 (2)	apply knowledge on the craft's obligatory documentation required for the craft's operation;	II
17	2.2.1 (2+3)	use anchors and handle anchor winches;	I
18	2.2.2 (2+3)	handle deck equipment and lifting devices;	I
19	2.2.3 (2+3)	use equipment specific to passenger vessels;	II
20	3.1.1 (3+5)	read stowage and stability plans;	II

<sup>1</sup> See ES-QIN Part I Chapter 1

No.	Competence <sup>1</sup>	Examination elements	Category I-II
21	3.1.2 (3+4+6)	monitor the stowage and securing of cargo;	II
22	3.1.3 (3)	distinguish various types of cargo and their qualities;	II
23	3.1.4 (2)	use of the ballast system;	II
24	3.1.5 (4)	check the amount of cargo;	II
25	3.1.6 (2+3)	work according to regulations and safe working rules;	I
26	3.2.1 (2)	respect regulations and conventions regarding passenger transport;	II
27	3.2.2 (2)	assist in the safe movement of passengers when embarking and disembarking;	II
28	3.2.3 (2)	assist in supervising passengers during emergency situations;	I
29	3.2.4 (2)	communicate effectively with passengers;	II
30	4.1.1 (5)	assist in monitoring the engines and propulsion system;	I
31	4.1.2 (3+4+5+6)	prepare main engines and auxiliary equipment for operation;	I
32	4.1.3 (2)	react adequately to engine malfunctions;	I
33	4.1.4 (2+3+4)	operate machinery including pumps, piping systems, bilge, and ballast systems;	I
34	4.1.5 (3)	assist in monitoring electronic and electrical devices;	I
35	4.1.6 (2+3)	prepare, start, connect, and change generators, and control their systems and shore supply;	I
36	4.1.7 (2)	define malfunctions and common faults, and describe the actions to prevent damage;	II
37	4.1.8 (2)	use required tools to ensure general technical safety;	II
38	4.2.1 (2)	perform daily maintenance work on the main engines, auxiliary machinery, and control systems;	I
39	4.2.2 (2)	perform daily maintenance work on machinery including pumps, piping systems, bilge and ballast systems;	I

No.	Competence <sup>1</sup>	Examination elements	Category I-II
40	4.2.3 (2)	use required tools to ensure general technical safety;	II
41	4.2.4 (2)	follow maintenance and repair procedures;	II
42	4.2.5 (2)	use technical information and document technical procedures;	II
43	5.1.1 (2+3+4)	work with different types of materials and tools used for maintenance and repair operations;	II
44	5.1.2 (2+3+4+5)	protect health and the environment when performing maintenance and repairs;	II
45	5.1.3 (2)	maintain technical devices according to technical instructions;	II
46	5.1.4 (2)	safely handle wires and ropes;	I
47	5.1.5 (2+3)	make knots and splices according to their use, and maintain them;	II
48	5.1.6 (2+3+4+5)	prepare and carry out working plans as a member of a team and check the results;	II
49	6.1.1 (2+4)	use information and communication systems;	II
50	6.1.2 (2)	solve different tasks with the help of different types of digital devices, information services (such as River Information Services (RIS)) and communication systems;	II
51	6.1.3 (2)	collect and store data, including backup and data update;	II
52	6.1.4 (2)	follow data protection instructions;	II
53	6.1.5 (2)	present facts using technical terms;	II
54	6.1.6 (2)	obtain nautical and technical information to maintain safety of navigation;	I
55	6.2.1 (2+4)	follow instructions and communicate with others in terms of shipboard duties;	II
56	6.2.2 (2+3+4+6)	contribute to good social relations and cooperate with others on board;	II

No.	Competence <sup>1</sup>	Examination elements	Category I-II
57	6.2.3 (1+2+3+6)	accept social responsibility, conditions of employment, individual rights and duties; acknowledge dangers of alcohol and drug abuse, and adequately respond to misconduct and dangers;	II
58	6.2.4 (2)	plan, purchase and prepare simple meals;	II
59	7.1.1 (3+6+7)	work according to instructions and rules for safety at work and the prevention of accidents;	I
60	7.1.2 (2)	use personal protective equipment to prevent accidents;	I
61	7.1.3 (3+4)	take required precautions before entering enclosed spaces;	I
62	7.2.1 (4)	act in the case of emergencies according to applicable instructions and procedures;	I
63	7.2.2 (2+4+5+6)	perform medical first aid;	I
64	7.2.3 (2+3+5)	use and maintain personal protective equipment and shipboard life-saving equipment;	I
65	7.2.4 (1+2)	provide assistance in the event of rescue operations including the ability to swi	I
66	7.2.5 (1)	use emergency escape routes;	I
67	7.2.6 (1)	use internal emergency communication and alarm systems;	I
68	7.3.1 (3)	distinguish the conditions required for combustion to take place, and types and sources of ignition;	I
69	7.3.2 (2)	use different types of fire extinguishers;	I
70	7.3.3 (2)	act according to shipboard fire-fighting procedures and organisation;	I
71	7.3.4 (2)	follow instructions concerning personal equipment, methods, extinguishing agents, and firefighting and rescue operations procedures.	I
72	7.4.1 (2)	protect the environment in accordance with relevant regulations;	II
73	7.4.2 (2+3)	take precautions to prevent pollution of the environment;	II
74	7.4.3 (2)	use resources efficiently;	II
75	7.4.4 (2)	dispose of waste in an environmentally-friendly fashion.	II

## 2. Technical requirements for craft and simulators used for the practical examination

The examination may be carried out in an appropriate onshore installation or on a craft covered by Article 2 of Directive (EU) 2017/2397. The examination of the elements 1 – 11 may be carried out on the craft or on an approved vessel handling simulator that complies with ES-QIN.

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