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MARITIME STUDIES QUALIFICATIONS AND UNITS

This document contains three lists:

- A. Maritime Studies Qualifications
- B. MSQ Units on which they are based, in numerical order.
- C. MSQ Units grouped alphabetically

Latest changes:

- Planned creation of two qualifications following the work of the Small Vessel Engineer Working Group (see MIN 524):
 - Diploma in Maritime Studies: Small Vessel Second Engineer (Level 2)
 - Diploma in Maritime Studies: Small Vessel Chief Engineer (Level 3)

The structure of each live qualification, and all MSQ Units, are hyperlinked from the MSA website:

www.maritimeskills.org/qualifications

If you have any questions, or suggestions - or spot any mistakes - please contact:

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A: Maritime Studies Qualifications

Level	Qualification	Pathway	Pathway Code	Credits (min)	SQA Code
2	Award in Maritime Studies	Introductory	A	5	
2	Award in Maritime Studies	Safety (STCW)	B	7	GC25 62
2	Award in Maritime Studies	Deck Rating	C	12	GC6K 62
2	Certificate in Maritime Studies	Engine Room Rating			GC7W 54
2	Certificate in Maritime Studies	Able Seafarer/Tug Rating (Deck)	E	30	GD2L 54
2	Diploma in Maritime Studies	Able Seafarer (Engine room)	F	45	GD1Y 60
2	Diploma in Maritime Studies	Rivers, Inland Waterways and Limited distances to sea	G	45	GG8R 60
2	Diploma in Maritime Studies	Sea Fishing	H	38	GD29 60
2	Diploma in Maritime Studies	Marine Vessel Maintenance (Electro-Technical)	K	67	GD20 60
2	Diploma in Maritime Studies	Marine Vessel Maintenance (Engineering)	L	76	GD1X 60
2	Diploma in Maritime Studies:	Small Vessel Second Engineer		In preparation	
2	Diploma in Maritime Studies	Workboats	M	37	GJ4A 60
2	Diploma in Maritime Studies	Marinas and Boatyards		59	GJ8C 60
5	SVQ Port Operations Level 2				GJ6V 22
2	NVQ Certificate in Port Operations				600/5266 /1
6	SVQ Supervision of Port Operations Level 3				GJ6W 23
3	Diploma in Supervision of Port and Maritime Operations				601/6528 /5
3	Diploma in Shipping and Maritime Operations	Engineering	I	54	GA6G 57
3	Diploma in Shipping and Maritime Operations	Deck	J	56	GA6F 57
3	Diploma in Maritime Studies	Officer of the watch on vessels of less than 500 gross tonnage (Near coastal)	N	39	GG77 57
3	Diploma in Maritime Studies	Office of the Watch on vessels of less than 3,000 gross tonnage (Near coastal)	O	116	GG78 57
3	Diploma in Maritime Studies	Small Vessel Chief Engineer		In preparation	
4	Award in Maritime Studies	Tug Master less than 500 gross tonnage		12	GK0X 78
4	Certificate in Maritime Studies	Tug Master less than 3000 gross tonnage		33	GK1V 63
Qualifications recently deleted because there was no take-up:					
2	Certificate in Maritime Studies	Watch/Tug Rating (Engine room) <i>NB Qualifications for Engine Room Rating & Able Seafarer (Engine Room) remain: see above</i>	D	29	GD2K 54
2	Award in Maritime Studies	Competent Crew on Domestic Vessels		6	GJ3G 62
2	Award in Maritime Studies	Use of Safety Equipment on Domestic Vessels		3	GJ3H 62
2	Certificate in Maritime Studies	Boatmaster, Non-Tidal Inland Waterways		16	GJ3J 54
2	Award in Maritime Studies	Marine Vessel Hospitality	Q	10	GH77 62
3	Award in Maritime Studies	Marine Vessel Hospitality Supervision	R	10	GH78 69
3	Diploma in Maritime Studies	Officer of the Watch (yacht) of less than 3,000 gross tonnage (unlimited)	P	138	GG79 57
2	Award in Nautical Studies	<i>[designed for school use]</i>	S	9	GJ3K 62

B: MSQ Units, in numerical order

MSA Unit Ref	Unit Title	QCF Level	Credit Value	Pathway Code Mandatory	Pathway Code Optional	QCF Ref
1	Maritime employment, environmental and health and safety practice	2	2	A, B, C, D, E, F, G, H, I, J, M, S		Y/501/2738
2	Maritime sector overview	2	3	A, D, E, F, G, H, I, J, M, S		D/501/2739
3	Vessel ropework, anchoring and mooring operations	2	5	E, G, H, J, M		K/602/3897
4	Securing a vessel for passage	2	3	E, G, H, J, M		H/602/3901
5	Vessel construction and stability	2	5	E, G, H, I, J, M		T/602/3904
6	Contribute to workboat operations	2	9	M		K/504/8479
7	Basic vessel engineering systems	2	3	F, G, I		H/602/3882
8	Maintaining vessel machinery for safe operation	2	3	G		R/602/3893
9	Vessel repair and maintenance	2	5	G		D/602/3895
10	Assist with a vessel's navigational watch	2	3	G, H, J		J/602/3907
11	Vessel navigation and tides	3	6	G, N, O		F/602/4019
12	Vessel watchkeeping	3	3	O		Y/504/7960
13	Survival in the water during maritime emergencies	2	1	B, C, D, E, F, G, H, M		Y/602/3071
14	Vessel fire prevention and fire fighting ¹ (STCW)	2	2	B, C, D, E, F, G, H, M		T/502/5920
15	Maritime security	2	1	B, C, D, E, F, G, H		K/602/3866
16	Emergency First Aid in response to maritime accidents or medical emergency	2	1	B, C, D, E, F, G, H, M		A/602/3872
17	Maritime fire prevention and fire actions	2	1	G, H		D/602/3878
18	Assemble, operate and maintain fishing gear	2	5	H		A/602/4021
19	Receiving, handling and stowing the catch on a fishing vessel	2	5	H		F/602/4022
20	Communicate using equipment and visual means	2	2	G, H		J/602/4023
21	Maintain your own work practice	2	2	G, H		M/602/4436
22	Assist with cooking on a fishing vessel	2	2		H	R/602/4025
23	Basic navigational watchkeeping	2	2	C, E, M	D	R/503/2146
24	Vessel ropework, anchoring and mooring activities	2	2	C, E	D	D/503/2148
25	Assisting with securing a vessel for passage	2	1	C, E	D	Y/503/2147
26	Safe operation of merchant vessel machinery systems	2	4	D, F		R/503/2633
27	Electrical safety on merchant vessels	2	2	D, F		Y/503/2634
28	Producing components using hand fitting techniques	2	14	D, F, L		Y/600/5797
29	Control operation of survival craft and rescue boats	3	3	E, J, M	F	L/602/5321
30	Control vessel operations	3	8	I, J, O		L/602/5352
31	Electrical principles for marine engineers	3	6			A/602/5766
32	Marine engineering dynamics	3	4	I		F/602/5770

¹ Undertake Unit 14 **OR** 17 for Pathways G, H

MSA Unit Ref	Unit Title	QCF Level	Credit Value	Pathway Code Mandatory	Pathway Code Optional	QCF Ref
33	Marine heat engines	3	4	I		L/602/5772
34	Mathematics for seafarers	3	5	I, J, O		R/602/5773
35	Nautical science – an introduction	3	8	J, O		A/502/7118
36	Numeracy for seafarers	2	6			F/502/8092
37	Ship construction	3	5	N, O,		K/602/5441
38	Statics for marine engineers	3	6	I		Y/602/5774
39	Strength of materials for marine engineers	3	4	I		H/602/5776
40	Celestial navigation	3	8			J/602/5317
41	Chartwork and tides	3	8	N, O		L/602/5318
42	Contribute to an engine room watch	2	6			M/602/5764
43	Contribute to vessel stability and watertight integrity	3	8	N, O		R/602/5319
44	Control tug operations	3	5		N, O	R/602/5322
45	Control vessel communications	3	3	O		T/602/5412
46	Control vessel mooring, anchoring and securing operations	3	4	N, O		Y/602/5323
47	Direct tug operations	4	6			R/602/5353
48	Interpret meteorology in the Near Coastal Area	3	5	N, O		L/602/5366
49	Interpret meteorology in the Unlimited Area	3	6			L/602/5416
50	Maintain safe and environmentally responsible working practices on board a vessel	3	6	O		Y/602/5368
51	Manage personnel on board a vessel	4	8			H/602/5406
52	Manage vessel navigation	4	8			D/602/5372
53	Manage vessel maintenance	4	5			R/602/5417
54	Manage vessel operations	4	8			D/602/5386
55	Manoeuvre a tug	4	6			K/602/5407
56	Marine engineering practice – an introduction	2	6			L/602/5769
57	Marine engineering systems	3	4			R/602/5434
58	Navigational mathematics and science	3	6	O		T/602/5409
59	Provide fire fighting response on board a vessel	3	3	O	F	Y/602/5435
60	Provide medical First Aid on board a vessel	3	3	O		D/602/5436
61	Respond to emergencies on board a vessel	3	5	O		K/602/5438
62	Respond to navigational emergencies	3	3	N, O		M/602/5411
63	Take charge of a navigational watch in the Near Coastal area	3	8	O		A/602/5444
64	Take charge of a navigational watch in the Unlimited area	3	8			R/602/5448
65	Take charge of an engineering watch	3	8			M/602/5778
66	Take charge of medical care on board a vessel	4	4			Y/602/5449
67	Marine vessel plant maintenance	2	8	L		K/503/3805
68	Marine electrical lighting and control systems	3	5	K		L/503/1755
69	Marine vessel communications systems	3	6	K		T/503/3810
70	Marine vessel electrical installation	2	10	K		H/503/3446
71	Marine vessel electronic navigational equipment maintenance	3	11	K		T/503/3452
72	Marine vessel electronic systems assembly	3	8	K		A/503/3453
73	Marine vessel electronic systems design and test	3	9	K		F/503/3454

MSA Unit Ref	Unit Title	QCF Level	Credit Value	Pathway Code Mandatory	Pathway Code Optional	QCF Ref
74	Marine vessel high voltage awareness	3	3	K		L/503/3442
75	Maintaining electrical equipment/systems	2	15	K		A/600/5923
76	Preparing and using lathes for turning operations	2	15	F, L		L/600/5859
77	Stability for marine engineers	3	4	L		
78	Working safely in an engineering environment	2	5	L		L/600/5781
79	Carry out engineering activities efficiently and effectively	2	4	L		D/600/5784
80	Using and communicating technical information	2	4	L		M/600/5790
81	General fabrication and welding	2	12			T/600/6004
82	Forming and assembling pipework systems	2	14			T/600/5855
83	Practical mathematics for marine engineers	2	4			D/504/4249
84	Marine heat engine calculations	3	4			R/504/4250
85	Machines for marine engineers	3	4			Y/504/4251
86	Electromagnetism for marine engineers	2	3			F/504/1148
87	Electrical circuits for marine engineers	2	5			J/504/1135
88	Control marine radar and automatic Identification systems	3	5	O		T/504/1132
89	Control marine electronic navigation systems	3	8	O		F/504/1134
90	Control Electronic Chart Display Information Systems (ECDIS)	3	3	O		L/504/1136
91	Control bridge resources	3	3	O		A/504/1133
92	Refrigeration for marine engineers	3	4			D/504/4252
93	Marine engineer's responsibilities for a safe voyage	3	3			
94	Marine electrical practice	3	4			
95	Introduction to navigation	2	4	S		A/505/9342
96	Marine vessel hospitality	2	10	Q		L/504/8989
97	Marine hospitality supervision	3	10	R		J/504/8988
98	Control Dry Cargo Operations on Domestic Vessels	3	4		G	J/505/9327
99	Control Large Domestic Passenger Vessel Operations	3	3		G	F/505/9326
100	Control Oil and Chemical Cargo Operations on Domestic Vessels	3	4		G	L/505/9328
101	Control Passenger Operations on Domestic Vessels	3	2		G	R/505/9329
102	Dredging Operations on Domestic Vessels	3	2		G	A/507/3385
103	Towing, including Pushing, Operations on Domestic Vessels	3	2		G	J/507/3390
104	Use of Radar for Safe Navigation and Collision Avoidance on Domestic and Code Vessels	3	2			K/506/0079
105	Emergency Response on Domestic Vessels in Non-Tidal Waters	2	2			L/505/9331
106	Engineering Operations on Domestic Vessels in Non-Tidal Waters	2	3			R/505/9332
107	Health and safety, including Prevention of Pollution, on Domestic Vessels in Non-Tidal Waters	2	2			Y/505/9333

MSA Unit Ref	Unit Title	QCF Level	Credit Value	Pathway Code Mandatory	Pathway Code Optional	QCF Ref
108	Navigation and Bridge Watchkeeping on Domestic Vessels in Non-Tidal Waters	2	3			D/505/9334
109	Seamanship Operations on Domestic Vessels in Non-Tidal Waters	2	2			H/505/9335
110	Ship Knowledge on Domestic Vessels in Non-Tidal Waters	2	2			M/505/9337
111	Vessel Manoeuvring and Handling on Domestic Vessels in Non-Tidal Waters	2	2			T/505/9338
112	Use of Safety Equipment on Domestic Vessels	2	3			A/505/9339
113	Contribute to Routine Crew Operations on Domestic Vessels	2	4			M/505/9340
114	Contribute to Emergency Response on Domestic Vessels	2	2			T/505/9341
115	Operate non-ECDIS marine Electronic Chart Systems	3	2			K/506/4620
116	Maintain health and safety in marina and boatyard environment	2	3			H/506/5510
117	Move and store boats and yachts ashore	2	20			K/506/5511
118	Prepare boats and yachts for moving	2	7			M/506/5512
119	Moor and berth boats and yachts	2	11			T/506/5513
120	Prepare docks and slipways for the receiving of boats and yachts	2	15			A/506/5514
121	Maintain equipment for the lifting and support of yachts and boats	2	13			F/506/5515
122	Maintain marina pontoons	2	6			J/506/5516
123	Clean boat and yacht hulls	2	3			L/506/5517
124	Prepare yachts for rigging and de-rigging	2	15			R/506/5518
125	Inspect and maintain yacht rigging	2	19			Y/506/5519
126	Maintain records regarding vessels in marinas and boatyards	2	2			L/506/5520
127	Provide a fuel service for yachts and boats	2	4			R/506/5521
128	Operate pump out facilities in a marina	2	3			Y/506/5522
129	Maintain security in marinas and boatyards	2	3			D/506/5523
130	Maintain environmental good practice in marinas and boatyards	2	4			H/506/5524
131	Move loads in marinas and boatyards using lift trucks	2	8			K/506/5525
132	Respond to a pollution incident in a marina	2	2			M/506/5526
133	Chemical Cargo Operations on Domestic Vessels	3	4		G	M/507/3447
134	Liquefied Gas Cargo Operations on Domestic Vessels	3	4		G	T/507/3451
135	Oil Cargo Operations on Domestic Vessels	3	4		G	F/507/3453
136	Roll On – Roll Off Operations On Domestic Vessels	3	2		G	H/507/3459
137	Principles of marine vessel auxiliary electrical plant	2	3			In preparation

C: MSQ Units, grouped alphabetically (then by QCF level and numerical order within each category)

NB This is purely an informal guide to help you find what you want. The groupings below have no other significance.

MSA Unit Ref	Unit Title	QCF Level	Credit Value	Pathway Code Mandatory	Pathway Code Optional	QCF Ref
Boat Master's Licence endorsements						
98	Control Dry Cargo Operations on Domestic Vessels	3	4		G	J/505/9327
99	Control Large Domestic Passenger Vessel Operations	3	3		G	F/505/9326
100	Control Oil and Chemical Cargo Operations on Domestic Vessels	3	4		G	L/505/9328
101	Control Passenger Operations on Domestic Vessels	3	2		G	R/505/9329
102	Dredging operations on Domestic vessels	3	2		G	A/507/3385
103	Towing, including pushing, operations on Domestic vessels	3	2		G	J/507/3390
104	Use of Radar for Safe Navigation and Collision Avoidance on Domestic and Code Vessels	3	2			K/506/0079
105	Emergency Response on Domestic Vessels in Non-Tidal Waters	2	2			L/505/9331
106	Engineering Operations on Domestic Vessels in Non-Tidal Waters	2	3			R/505/9332
107	Health and safety, including Prevention of Pollution, on Domestic Vessels in Non-Tidal Waters	2	2			Y/505/9333
108	Navigation and Bridge Watchkeeping on Domestic Vessels in Non-Tidal Waters	2	3			D/505/9334
109	Seamanship Operations on Domestic Vessels in Non-Tidal Waters	2	2			H/505/9335
110	Ship Knowledge on Domestic Vessels in Non-Tidal Waters	2	2			M/505/9337
111	Vessel Manoeuvring and Handling on Domestic Vessels in Non-Tidal Waters	2	2			T/505/9338
112	Use of Safety Equipment on Domestic Vessels	2	3			A/505/9339
113	Contribute to Routine Crew Operations on Domestic Vessels	2	4			M/505/9340
114	Contribute to Emergency Response on Domestic Vessels	2	2			T/505/9341
133	Chemical Cargo Operations on Domestic Vessels	3	4		G	M/507/3447
134	Liquefied Gas Cargo Operations on Domestic Vessels	3	4		G	T/507/3451
135	Oil Cargo Operations on Domestic Vessels	3	4		G	F/507/3453
136	Roll On – Roll Off Operations On Domestic Vessels	3	2		G	H/507/3459
Boatyard – see Marina / Boatyard						
Catering / Hospitality:						
22	Assist with cooking on a fishing vessel	2	2		H	R/602/4025
96	Marine vessel hospitality	2	10	Q		L/504/8989
97	Marine hospitality supervision	3	10	R		J/504/8988
Communications:						
20	Communicate using equipment and visual means	2	2	G, H		J/602/4023
80	Using and communicating technical information	2	4	L		M/600/5790
45	Control vessel communications	3	3	O		L/602/5352
69	Marine vessel communications systems	3	6	K		T/503/3810

MSA Unit Ref	Unit Title	QCF Level	Credit Value	Pathway Code Mandatory	Pathway Code Optional	QCF Ref
115	Operate non-ECDIS marine Electronic Chart Systems	3	2			K/506/4620
Emergencies:						
61	Respond to emergencies on board a vessel	3	5	O		K/602/5438
62	Respond to navigational emergencies	3	3	N, O		M/602/5411
105	Emergency Response on Domestic Vessels in Non-Tidal Waters	2	2			L/505/9331
114	Contribute to Emergency Response on Domestic Vessels	2	2			T/505/9341
Engineering - core:						
7	Basic vessel engineering systems	2	3	F, G, I		H/602/3882
9	Vessel repair and maintenance	2	5	G		D/602/3895
56	Marine engineering practice – an introduction	2	6			L/602/5769
83	Practical mathematics for marine engineers	2	4			D/504/4249
32	Marine engineering dynamics	3	4	I		F/602/5770
33	Marine heat engines	3	4	I		L/602/5772
37	Ship construction	3	5	N, O,		K/602/5441
38	Statics for marine engineers	3	6	I		Y/602/5774
39	Strength of materials for marine engineers	3	4	I		H/602/5776
57	Marine engineering systems	3	4			R/602/5434
84	Marine heat engine calculations	3	4			R/504/4250
85	Machines for marine engineers	3	4			Y/504/4251
106	Engineering Operations on Domestic Vessels in Non-Tidal Waters	2	3			R/505/9332
Engineering – electrical / electronic:						
70	Marine vessel electrical installation	2	10	K		H/503/3446
75	Maintaining electrical equipment/systems	2	15	K		A/600/5923
86	Electromagnetism for marine engineers	2	3			
87	Electrical circuits for marine engineers	2	5			J/504/1135
31	Electrical principles for marine engineers	3	6			A/602/5766
68	Marine electrical lighting and control systems	3	5	K		L/503/1755
72	Marine vessel electronic systems assembly	3	8	K		A/503/3453
73	Marine vessel electronic systems design and test	3	9	K		F/503/3454
74	Marine vessel high voltage awareness	3	3	K		L/503/3442
92	Refrigeration for marine engineers	3	4			D/504/4252
94	Marine electrical practice	3	4			
Engineering – maintenance:						
28	Producing components using hand fitting techniques	2	14	D, F, L		Y/600/5797
67	Marine vessel plant maintenance	2	8	L		K/503/3805
76	Preparing and using lathes for turning operations	2	15	L		L/600/5859
79	Carry out engineering activities efficiently and effectively	2	4	L		D/600/5784
81	General fabrication and welding	2	12			T/600/6004
82	Forming and assembling pipework systems	2	14			T/600/5855
71	Marine vessel electronic navigational equipment maintenance	3	11	K		T/503/3452
53	Manage vessel maintenance	4	5			R/602/5417
Environment:						

MSA Unit Ref	Unit Title	QCF Level	Credit Value	Pathway Code Mandatory	Pathway Code Optional	QCF Ref
1	Maritime employment, environmental and health and safety practice	2	2	A, B, C, D, E, F, G, H, I, J, M,S		Y/501/2738
50	Maintain safe and environmentally responsible working practices on board a vessel	3	6	O		Y/602/5368
130	Maintain environmental good practice in marinas and boatyards	2	4			H/506/5524
Fire:						
17	Maritime fire prevention and fire actions	2	1	G, H		D/602/3878
14	Vessel fire prevention and fire fighting ² (STCW)	2	2	B, C, D, E, F, G, H,M		T/502/5920
59	Provide fire fighting response on board a vessel	3	3	O	F	Y/602/5435
First Aid / Medical:						
16	Emergency First Aid in response to maritime accidents or medical emergency	2	1	B, C, D, E, F, G, H,M		A/602/3872
60	Provide medical First Aid on board a vessel	3	3	O		D/602/5436
66	Take charge of medical care on board a vessel	4	4			Y/602/5449
Fishing:						
18	Assemble, operate and maintain fishing gear	2	5	H		A/602/4021
19	Receiving, handling and stowing the catch on a fishing vessel	2	5	H		F/602/4022
22	Assist with cooking on a fishing vessel	2	2		H	R/602/4025
General:						
1	Maritime employment, environmental and health and safety practice	2	2	A, B, C, D, E, F, G, H, I, J, M,S		Y/501/2738
2	Maritime sector overview	2	3	A, D, E, F, G, H, I, J,M,S		D/501/2739
21	Maintain your work practice	2	2	G, H		M/602/4436
35	Nautical science – an introduction	3	8	J,O		A/502/7118
Health & Safety						
1	Maritime employment, environmental and health and safety practice	2	2	A, B, C, D, E, F, G, H, I, J, M,S		Y/501/2738
107	Health and safety, including Prevention of Pollution, on Domestic Vessels in Non-Tidal Waters	2	2			Y/505/9333
112	Use of Safety Equipment on Domestic Vessels	2	3			A/505/9339
116	Maintain health and safety in marina and boatyard environment	2	3			H/506/5510
Hospitality – see Catering						
Management						
30	Control vessel operations	3	8	I, J,O		L/602/5352
91	Control bridge resources	3	3	O		A/504/1133
51	Manage personnel on board a vessel	4	8			H/602/5406
54	Manage vessel operations	4	8			D/602/5386
Marina / Boatyard						
116	Maintain health and safety in marina and boatyard environment	2	3			H/506/5510

² Undertake Unit 14 **OR** 17 for Pathways G, H

MSA Unit Ref	Unit Title	QCF Level	Credit Value	Pathway Code Mandatory	Pathway Code Optional	QCF Ref
117	Move and store boats and yachts ashore	2	20			K/506/5511
118	Prepare boats and yachts for moving	2	7			M/506/5512
119	Moor and berth boats and yachts	2	11			T/506/5513
120	Prepare docks and slipways for the receiving of boats and yachts	2	15			A/506/5514
121	Maintain equipment for the lifting and support of yachts and boats	2	13			F/506/5515
122	Maintain marina pontoons	2	6			J/506/5516
123	Clean boat and yacht hulls	2	3			L/506/5517
124	Prepare yachts for rigging and de-rigging	2	15			R/506/5518
125	Inspect and maintain yacht rigging	2	19			Y/506/5519
126	Maintain records regarding vessels in marinas and boatyards	2	2			L/506/5520
127	Provide a fuel service for yachts and boats	2	4			R/506/5521
128	Operate pump out facilities in a marina	2	3			Y/506/5522
129	Maintain security in marinas and boatyards	2	3			D/506/5523
130	Maintain environmental good practice in marinas and boatyards	2	4			H/506/5524
131	Move loads in marinas and boatyards using lift trucks	2	8			K/506/5525
132	Respond to a pollution incident in a marina	2	2			M/506/5526
Medical – see First Aid						
Meteorology:						
48	Interpret meteorology in the Near Coastal Area	3	5	N, O		L/602/5366
49	Interpret meteorology in the Unlimited Area	3	6			L/602/5416
Navigation:						
95	Introduction to navigation	2	4	S		D/504/8480
10	Assist with a vessel's navigational watch	2	3	G, H, J		J/602/3907
11	Vessel navigation and tides	3	6	G,N,O		F/602/4019
40	Celestial navigation	3	8			J/602/5317
41	Chartwork and tides	3	8	N, O		L/602/5318
58	Navigational mathematics and science	3	6	O		T/602/5409
88	Control marine radar and automatic Identification systems	3	5	O		T/504/1132
89	Control marine electronic navigation systems	3	8	O		F/504/1134
90	Control Electronic Chart Display Information Systems (ECDIS)	3	3	O		L/504/1136
52	Manage vessel navigation	4	8			D/602/5372
104	Use of Radar for Safe Navigation and Collision Avoidance on Domestic and Code Vessels	3	2			K/506/0079
108	Navigation and Bridge Watchkeeping on Domestic Vessels in Non-Tidal Waters	2	3			D/505/9334
Passengers						
99	Control Large Domestic Passenger Vessel Operations	3	3		G	F/505/9326
101	Control Passenger Operations on Domestic Vessels	3	2		G	R/505/9329
Safety – see also Survival, and Security						
1	Maritime employment, environmental and health and safety practice	2	2	A, B, C, D, E, F, G, H, I, J, M,S		Y/501/2738

MSA Unit Ref	Unit Title	QCF Level	Credit Value	Pathway Code Mandatory	Pathway Code Optional	QCF Ref
8	Maintaining vessel machinery for safe operation	2	3	G		R/602/3893
26	Safe operation of merchant vessel machinery systems	2	4	D, F		R/503/2633
27	Electrical safety on merchant vessels	2	2	D, F		Y/503/2634
78	Working safely in an engineering environment	2	5	L		L/600/5781
50	Maintain safe and environmentally responsible working practices on board a vessel	3	6	O		Y/602/5368
93	Marine engineer's responsibilities for a safe voyage	3	3			
Seamanship:						
3	Vessel ropework, anchoring and mooring operations	2	5	E, G, H, J, M		K/602/3897
4	Securing a vessel for passage	2	3	E, G, H, J, M		H/602/3901
24	Vessel ropework, anchoring and mooring activities	2	2	C, E	D	D/503/2148
25	Assisting with securing a vessel for passage	2	1	C, E	D	Y/503/2147
36	Numeracy for seafarers	2	6			F/502/8092
34	Mathematics for seafarers	3	5	I, J, O		R/602/5773
37	Ship construction	3	5	N, O,		K/602/5441
46	Control vessel mooring, anchoring and securing operations	3	4	N, O		Y/602/5323
Security:						
15	Maritime security	2	1	B, C, D, E, F, G, H		K/602/3866
Stability:						
5	Vessel construction and stability	2	5	E, G, H, I, J, M		T/602/3904
37	Ship construction	3	5	N, O,		K/602/5441
43	Contribute to vessel stability and watertight integrity	3	8	N, O		R/602/5319
77	Stability for marine engineers	3	4	L	F	
Survival:						
13	Survival in the water during maritime emergencies	2	1	B, C, D, E, F, G, H, M		Y/602/3071
29	Control operation of survival craft and rescue boats	3	3	E, J, M	F	L/602/5321
Tugs:						
44	Control tug operations	3	5		N, O	R/602/5322
47	Direct tug operations	4	6			R/602/5353
55	Manoeuvre a tug	4	6			K/602/5407
Watchkeeping:						
10	Assist with a vessel's navigational watch	2	3	G, H, J		J/602/3907
23	Basic navigational watchkeeping	2	2	C, E, M	D	R/503/2146
42	Contribute to an engine room watch	2	6			M/602/5764
12	Vessel watchkeeping	3	3	O		T/602/4020
63	Take charge of a navigational watch in the Near Coastal area	3	8	O		A/602/5444
64	Take charge of a navigational watch in the Unlimited area	3	8			R/602/5448
65	Take charge of an engineering watch	3	8			M/602/5778

MSA Unit Ref	Unit Title	QCF Level	Credit Value	Pathway Code Mandatory	Pathway Code Optional	QCF Ref
108	Navigation and Bridge Watchkeeping on Domestic Vessels in Non-Tidal Waters	2	3			D/505/9334
Workboats:						
6	Contribute to workboat operations	2	9	M		K/504/8479