Career Pathways Matrix

Commercial Sea Fishing

Most Skippers in the seafish sector have worked up from a Deckie Learner, and the career progression is quite straightforward. There are, however, opportunities to move sideways or to shore-based positions.

Job title	Opportunities within the Maritime sector	Opportunities in other Sectors	Established routes from other sectors
Skipper	A Skipper may move to a different size or type of vessel (for example inshore to limited, or unlimited area). Shore-based opportunities include vessel support or standby vessels, fleet operations and harbour tug work.	Other commercial vessels outside of the Merchant Navy.	
	Experienced skippers may be able to move into related careers. These might include the Merchant Navy, oil or gas exploration, cargo operations or ferries.		
Mate	With experience (usually around 5 years) a mate can study for a Skipper's certificate.		
	This level of seagoing experience is valued at officer-level in shore- based work. For example, a Mate might work as a training or safety officer.		
	The Level 3 Marine Vessel Operation qualification that a mate might have would enable transfer to officer level in the Merchant Navy.		
Competent Deckhand	Once qualified as a deckhand, the obvious career progression is to Mate. This requires obtaining a Mate's		

Job title	Opportunities within	Opportunities in	Established routes from
	the Maritime sector	other Sectors	other sectors
	Ticket and usually around 4 years experience.		
	Alternatively with a Class 1 Deck Officer qualification a deckhand can convert to the Merchant Navy to study for the MCA OOW Oral.		
Engineer	Depending on the size of the vessel, a qualified engineer may move up to Chief Engineer.	There are a wide variety of shore based industries requiring engineering experience.	
	Shore-based engineering opportunities include plant and equipment manufacturers and shipbuilding and repair yards. Experienced engineers may move to a Superintendent Engineer position. There are also a wider variety of shore-based engineering roles in the Merchant Navy.		
	Marine engineers also work in the Merchant and Royal Navy, and with a general engineering qualification engineers can move between sectors, for example into mechanical engineering.		
Deckie Learner	Competent deckhand	Canaultana	
Superintendent Engineer	A Superintendent engineer may progress to a director position, such as Engineering Director.	Consultancy. There are a wide variety of shore based industries requiring engineering	
	There are opportunities within the Merchant Navy shore-based ship management sector.	experience.	

Marine Leisure

Job title	Alternative title	Opportunities within the Maritime sector	Opportunities in other sectors	Established routes from other sectors
Naval Architect	Yacht Designer	Yacht Designer, project management, Shipbuilding and repairing, Pleasure and small commercial craft	Ministry of Defence Offshore oil and gas companies Consultancy	
Yacht designer	Boat Designer	Team/project management		
Draughtsman/ Draughtswoman	CAD Technician	Team/project/site manager	Construction Engineering Aerospace Railways Electronics Broadcasting and telecommunication Freelance work	
Boat Builder	Yacht Builder Yacht Repairer	Yacht surveyor		
Boat Fitter	Marina Craftsperson	Marine Engineering Technician, Marine Design, Sales Shipbuilding and repairs, ship yards		
Engineer Electrics/ Electronics Engineer Marine Engineer		Team/project/site management Management/director position (eg Engineering Director) Base/Port engineer Yacht surveyor Shipping companies Shipyards Pleasure and small commercial craft	Research & Development Consultancy	
Yacht Broker	Yacht Agent Dealer Distributor		Sales Brokerage	
Yacht Surveyor	Marine Surveyor Small Craft Surveyor	Damage/loss assessment Refit overseeing		
Watersports Manager		Marina Manager		
Watersports Instructor		Watersports Manager		
Marina Manager Dockmaster	Operations Manager	Operations Director	Resort Manager	
Marina Operative	Berthing / Mooring / Yard Assistant	Dockmaster		

Job title	Alternative	Opportunities within	Opportunities in other	Established
	title	the Maritime sector	sectors	routes from other sectors
Captain		Captain of larger	Lecturer	3001013
(On Superyachts)		yachts		
		Marine		
		Superintendent,		
		Technical Superintendent		
		Marine Insurance		
		Investigator		
First Officer	Mate	Captain	Lecturer	
(On Superyachts)				
Engineer (On		Management/director		
Superyachts)		position (eg		
		Engineering Director)		
		Base/Port engineer		
		Yacht surveyor		
		-		
		Shipping companies		
		Shipyards		
		Pleasure and small commercial craft		
Chef		Head Chef	Catering sector	
(On Superyachts)		Ship's Cook in MN	eatoning coolor	
Chief	Interior	Personal Assistant to	Hotel Management	
Steward/ess	Director	Yacht Owner, Chief	Housekeeper in owner's	
(On Superyachts)	Interior	Purser on a large Superyacht	residence	
	Manager Hotel	Superyacht		
	Manager	Passenger liner		
		steward/ess		
Deckhand	Deck Rating	Flotilla Engineer,		
(On Superyachts)		Flotilla Host(ess)		
Flotilla Engineer		Flotilla Skipper		Car Mechanic
		Bareboat Engineer		
		Bareboat Skipper Base Engineer		
		Technical Manager		
		Base manager		
Flotilla		Chief Steward/ess	Hospitality sector	
Host/Hostess		(bareboat)		
		Customer Liaison		
		Base Manager Passenger liner		
		Steward/ess		
		Superyacht		
		Steward/ess		
Delivery skipper		Charter Skipper Flotilla		
		Skipper Barabaat Skipper		
		Bareboat Skipper Base Manager		
Flotilla Skipper		Bareboat Skipper		
		Charter Skipper		
		Base Manager		
Bareboat Skipper		Charter Skipper Flotilla		
		Skipper		
		Base Manager		

Charter skipper	Delivery Skipper Flotilla Skipper	
	Base Manager	

Maritime Search and Rescue

Job title	Alternative Title	Opportunities within the Maritime sector	Opportunities in other Sectors	Established routes from other sectors
			blders tend to undertake rolene industries are, therefore,	
Coxswain (ALB)	Coxswain trainee	Qualifications gained in this post can be used in other maritime industries such as Marine Leisure, where the RYA Coastal Certificate of Competence could be valid for entry to a Delivery Skipper post.		All crew are volunteers and can come from any occupation
Helmsman (ILB)				
Mechanic (ALB)	Engineer	Qualifications gained in this role (MEOL and AEC) could be used in other marine engineering positions across the maritime industries.		
Mechanic (ILB)				
Navigator		Qualifications gained in this post can be used in other maritime industries such as Marine Leisure, where the RYA Coastal Certificate of Competence could be valid for entry to a Delivery Skipper post.		
Crew member		Coxswain Helmsman Hovercraft Commander Qualifications gained as crew members can be used in other maritime industries, such as Marine		
		Leisure, where the RYA Level 2 Powerboat qualification could be used a Marina Manager role.		

Ist Aider	Crew member	Coxswain Helmsman Hovercraft Commander	
Hovercraft Commander			

Merchant Navy

Progression within the sector follows a fairly straightforward pattern, with the majority of Masters/Chief Engineers working up from cadet level. Progression is achieved through further study and certification and experience (for which approximate lengths are given here).

There are opportunities to move to other sectors and to the shore based-sector for those with seafaring experience.

There are also opportunities to move sideways to similar roles on different types and sizes of vessel, which is assumed to be an option at all levels.

Job title	Alternative title	Opportunities within the Maritime sector	Opportunities in other sectors	Established routes from other sectors
Master	Captain	An experienced Master may captain a variety of sizes and types of vessel.	Opportunities in consultancy, surveying, lecturing and maritime law.	
		With Master experience opportunities include management (including operations and safety), director (such as fleet) and support roles (such as Marine Superintendent).		
		Opportunities in the marine leisure industry include super yachts.		
		Opportunities to move into the ports industry as Harbour Master or Marine Pilot.		
Chief Officer	Chief Mate	Master. With experience and STCW II/2 Certification,	Opportunities in consultancy, surveying, lecturing and maritime law.	

Job title	Alternative title	Opportunities within the Maritime sector	Opportunities in other sectors	Established routes from other sectors
		opportunities include management (including operations and safety), director (such as fleet) and support roles (such as Marine Superintendent). Opportunities in the marine leisure industry include super yachts. Opportunities to move into the ports industry as Harbour		
		Master or Marine Pilot.		
2 nd Officer	2 nd Mate	Chief Officer. With experience and STCW II/2 Certification, opportunities include management (including operations, safety and fleet) and support roles (such as Marine Superintendent). Opportunities in the marine leisure industry include super yachts. Opportunities to move into the ports industry as Harbour Master, Deputy Harbour Master, Marine Pilot or VTS Officer.	Opportunities in consultancy, surveying, lecturing and maritime law.	
3 rd Officer	3 rd Mate	2 nd Officer. With experience and opportunities include management (including operations, safety and fleet) and support roles (such as Assistant Marine Superintendent).	Opportunities in consultancy, surveying, lecturing and maritime law.	

Job title	Alternative title	Opportunities	Opportunities in	Established routes
		within the Maritime sector	other sectors	from other sectors
		marine leisure industry include super yachts.		
		Opportunities to move into the ports industry as Deputy Harbour Master, Marine Pilot or VTS Officer.		
Cadet	Trainee Officer	Upon qualification, a trainee officer will usually join a vessel as 3 rd officer, depending on the size of the vessel.		
Radio Officer	IT Officer	Usually only found on passenger ships, the Radio Officer can progress through the normal deck officer route.	Lecturing.	
		Communication roles, such as a VTS Officer in a port. Also roles in operations value seagoing experience.		
	Must be holder of	Officers (Enginee the Officer of the Wate	•,	etence
Chief Engineer		Chief Engineers are needed on a range of vessels, from oil tankers to passenger liners.	Consultancy, Lecturing. There are a wide variety of shore based industries requiring	
		Support opportunities include Engineering Superintendent and Technical Superintendent positions. Other opportunities include consultancy work and top level positions in ship building and repair, design and surveying.	engineering experience.	
		Both the Royal Navy and the marine leisure sector employ Chief Engineers. There are also		

Job title	Alternative title	Opportunities within the Maritime sector	Opportunities in other sectors	Established routes from other sectors
		director and management opportunities in the ports and sector.		
2 nd Engineer		Chief Engineer.	Consultancy, Lecturing.	
		Middle level shore- based roles include Assistant Engineering Superintendent and Assistant Technical Manager. There are also opportunities in ship yards, design and surveying.	There are a wide variety of shore based industries requiring engineering experience.	
		Management and support opportunities in the ports sector. Marine leisure and Royal Navy roles.		
3 rd Engineer		2 nd Engineer. Shore-based Engineering Technical Assistant	There are a wide variety of shore based industries requiring engineering experience.	
		There are engineering opportunities in the marine leisure and supervising technicians in the ports sector.		
Junior Engineer	Junior Officer	3 rd Engineer, depending on the size of the vessel.		Mechanic, general engineering experience
		Shore-based Engineering Technical Assistant. There are support opportunities in the ports sector and engineering opportunities in the fishing and marine leisure sectors.		
Engineer Cadet		The first posting for an Engineer Cadet is as a <i>Junior</i> Engineer.		Mechanic, general engineering experience

Job title	Alternative title	Opportunities	Opportunities in	Established routes	
		within the Maritime sector	other sectors	from other sectors	
Electro- Technical Officer (ETO)		With experience and relevant study, an ETO can progress to senior rank, especially on large	Specialised or management opportunities in a Power Plant.		
		passenger vessels with very large electrical plant.	There are a wide variety of shore based industries requiring electro-		
		There are technician opportunities in the ports sector.	technical experience.		
Electrician		An electrician may specialise to progress to ETO.	There are a wide variety of shore based industries requiring electrical experience.	General electrician.	
		There are technician opportunities in the ports sector.			
Support Staff/Ratings					
	DO NOT hold th	e Officer of the Watch	Certificate of Compete	ence	
Seaman Grade 1	Able-bodied Seafarer A.B. Bosun Deck Chief Petty Officer Senior Rating General Purpose Rating General Purpose Seafarer G.P.	An experienced Seaman Grade 1 could be promoted to a Senior Rating position by the company, and they would then have a supervisory role. Significant sea experience will be an advantage in a number of support roles, including operation, safety and marine assistant. Opportunities in marine leisure include commercial yachts.	Technician role in a non-maritime sector (for G.P only).		
		Seagoing experience valued in ports industry eg in marine operations or in VTS Officer posts (with further training). It is possible for Ratings to undertake officer training and			

Job title	Alternative title	Opportunities	Opportunities in	Established routes
- <u></u> -		within the Maritime sector	other sectors	from other sectors
		apply for officer positions once they have certification and sea time.		
		A G.P. may progress through either the deck or the engineering rating route. A GP's engineering experience may qualify them for a technician role in the port sector.		
Seaman Grade 2	Able-bodied Seafarer A.B. Ordinary Seafarer	An experienced Seaman Grade 2 can progress to Seaman Grade 1.	Technician role in a non-maritime sector (for G.P. only).	
	O.S. General Purpose Rating General	Opportunities in marine leisure include commercial yachts.		
	Purpose Seafarer G.P.	Seagoing experience valued in ports industry eg in marine operations.		
		It is possible for Ratings to undertake officer training and apply for officer positions once they have certification and sea time.		
		A G.P. may progress through either the deck or the engineering rating route. A GP's engineering experience may qualify them for a technician role in the port sector.		
Pumpman		Technician opportunities in ports sector.	Technician opportunities in non- maritime sector. Fire Service, Off- shore petroleum sector.	

Job title	Alternative title	Opportunities	Opportunities in	Established routes
		within the Maritime sector	other sectors	from other sectors
Fitter	Engineering Maintenance Fitter	It is possible for Ratings to undertake officer training and apply for officer positions once they have certification and sea time.		
Motorman	Mechanic	May progress to senior engineering rating level, such as Fitter.	Fire Service.	
		It is possible for Ratings to undertake officer training and apply for officer positions once they have certification and sea time.		
General hand	Oiler/Wiper	May progress to senior engineering rating level, such as Fitter.	Fire Service.	
Cook	Ship's Cook Chief Cook	With experience can progress to Chief Cook.	Hotel, restaurant and catering sectors.	
Steward		Could work in port operations.	Hotel work.	
Trainee Rating	Junior Ordinary Seafarer	Seaman Grade 2.		
		Staff Specific to	Tugs	
Tug Master	Tug Skipper	Seagoing experience valued in ports industry eg in marine operations. Fleet Management.	Other commercial vessels outside of the Merchant Navy.	
Tug Engineer			There are a wide variety of shore based industries requiring engineering experience.	
Tug Hand	Tug G.P. Tug Deckhand	Seagoing experience valued in ports industry eg in marine operations.		
	Hospita	ality Staff Specific to P	assenger Vessels	
Cruise Director		Member/Head of Corporate Entertainment for	Non-maritime related sectors such as events management,	Entertainment industry.

Job title	Alternative title	Opportunities within the Maritime sector	Opportunities in other sectors	Established routes from other sectors
		Cruise Company.	entertainment, hospitality, marketing and tourism.	
Chief Purser	Hotel Service Officer HR Officer	Other positions include Financial Controller and Corporate Purser (for a number of ships). Financial management role.	As finance manager/director in hospitality sector. With an accounting qualification can work in a number of sectors.	
		Shore-based Ship Ma	nagement	
	1	Fleet Operation	ns	Γ
Fleet Director	Commercial Director	Chief Executive. Ports Senior Management positions.	Logistics, business, management.	
	Logistics	Co-ordination and Traini	ng – Fleet Personnel	
Personnel Manager	Human Resources Manager	Personnel Director. Related industries might include ports and marine leisure.	Personnel management positions in related sectors might include transport/distribution, hospitality and catering.	
Training Manager	Head of Training	Training Director. Related industries might include ports and marine leisure.	Training management positions in related sectors might include manufacturing, engineering, transport/distribution, hospitality and catering.	
Personnel Officer	Human Resources Officer	Senior personnel officer or manager. Other opportunities include a sideways move to training. Related industries might include ports and marine leisure.	Personnel officer positions in related sectors might include transport/distribution, hospitality and catering.	
Training Officer		Senior training officer or manager. Opportunities in personnel. Related industries might include ports and marine leisure.	Training officer positions in related sectors might include manufacturing, engineering, transport/distribution, hospitality and catering.	

Job title	Alternative title	Opportunities within the Maritime	Opportunities in other sectors	Established routes from other sectors
		sector		
		General Operation	ons	
Operations Manager	Safety Manager Quality Manager	Operations Director, Safety Director, Fleet Director Related industries include ports and harbours and marine leisure.	Related sectors might include manufacturing, engineering and transport/distribution	
Safety Officer	Quality Officer	Senior Safety Officer, Safety Manager Related industries include ports and harbours and marine leisure.	Related sectors might include manufacturing, engineering and transport/distribution	
		Marine Operation	ons	
Marine Superintendent		Management opportunities, such as operations and safety.		
Marine Technical Assistant		Deputy Marine Superintendent, Port Operations Manager, Port Operations Operative, Marina Operative.		
	·	Engineering Opera	ations	
Engineering Superintendent	Technical Superintendent	Engineering management or director role. Port engineer, Port Engineering manager, related engineering fields.	There are a wide variety of shore based industries requiring engineering experience.	
Assistant Engineering Superintendent	Assistant Technical Manager	Engineering Superintendent or Engineering Management role. Port Engineering Supervisor.	There are a wide variety of shore based industries requiring engineering experience.	
Engineering Technical Assistant		Assistant Engineering Superintendent. Port technician. Draughtsman/CAD technician, Marine craftsperson.	There are a wide variety of shore based industries requiring engineering experience.	

Ports and Harbours

Job title	Alternative Title	Opportunities within maritime sector	Opportunities in other sectors	Established routes from other sectors
		Port Operatio	ons	
Managing	Chief Executive			Recruitment from
Director	Port Director Port Manager General Manager			senior management roles in other sectors eg warehousing and distribution
Port Operations Director	Operations Director Port Operations Manager Port Manager	Managing Director	Other management roles using transferable skills and into other logistic environments such warehouse distribution centres	Recruitment from senior management roles in other sectors eg warehousing and distribution
Security Manager				Routes from security positions in other sectors possible
Ports Facility Security Manager	PFSM ISPS manager	Security Manager	Consultant role	Routes from security positions in other sectors possible
Safety Manager	Head of Health and Safety Health and Safety Manager Safety Officer Safety Advisor Safety, Health and Environmental Manager		Other safety management roles and auditing/ consultant roles	Routes from safety occupations in other sectors possible
Harbour Master	Chief Harbourmaster Haven Master Marine Operations Manager	Port Manager Port Director Port Operations Director	Operations management roles in other sectors.	
Deputy Harbour Master	Assistant Harbour Master Assistant Marine Operations Manager Barge Manager Berthing Master Dock Master Harbour Superintendent Haven Master Deputy Marine Manager Piermaster Pilotage	Harbour Master	Supervisory roles in other sectors.	

Job title	Alternative Title	Opportunities within maritime sector	Opportunities in other sectors	Established routes from other sectors
	Manager	300101		
Hydrographic Surveyor	Senior Hydrographic Surveyor Base Surveyor		Sales roles in selling hydrographic software	
Port Operations Manager	Cargo Operations Manager Passenger Operations Manager Terminal Operations Manager Wharf Manager Stevedoring Superintendent Operations Superintendent Assistant Operations Director Operations Superintendent Duty Operations Manager Operations Manager	Port Operations Director	Other operational roles in sectors such as warehousing and logistics Consultant role.	
Marine Pilot		Harbour master VTS Officer	Consultant role. Opportunities exist in lecturing and teaching. Where Marine Pilots have a Merchant Navy background there are also opportunities in insurance, legal work, shipping companies and superintendency	
Vessel Traffic Services Officer	VTS Officer VTS Operative Port Control Room Officer Port Control Officer Marine Officer Marine Operator	With Merchant Navy background, opportunities to become Harbour Master, Marine Pilot.	Opportunities in traffic control for haulage and airports (with further training).	

	Job title	Alternative	Opportunities	Opportunities in	Established routes
		Title	within maritime sector	other sectors	from other sectors
ervisor	Cargo Operations Supervisor	Stevedoring Supervisor Quay Foreman Operations Foreman Operations Supervisor Crane Foreman Superintendent Terminal supervisor	Port Operations Manager	Supervisory roles in other sectors eg warehousing and distribution	
Port Operations Supervisor	Marine Operations Supervisor	Berthing Supervisor Dredging Officer Bosun Mate Launch Manager Berthing Master	Opportunities to move to a VTS Officer role, with further training to IALA V-103. Opportunities to become a Marine Pilot (enhanced if candidate has experience as a Ship's Master with SCTW II/2)		
	Passenger Operations Supervisor	Cruise Supervisor	Port Operations Manager Opportunities in Merchant Navy (eg Chief Purser)		
am Leader	Cargo Operations Team Leader	Crane Co- ordinator Chargehand	Cargo Operations Supervisor		
Port Operations Team Lea	Marine Operations Team Leader	Coxswain Leading Deckhand	Marine Operations Supervisor		
Port Op	Passenger Operations Team Leader	Operations Co- ordinator	Passenger Operations Supervisor		

	Job title	Alternative Title	Opportunities within maritime	Opportunities in other sectors	Established routes from other sectors
	Cargo	Driver/Car	sector Cargo Operations		Cargo operatives can
Port Operative	Operative (Stevedore)	Driver Cargo Handler Checker Clamp Operator Crane driver Lasher Forklift Truck Driver Hatchman Plant Operator Rigger Tugmaster Driver Link Span Operator Weighbridge Operator Tally Clerk	Team Leader		come from the construction industry (eg crane drivers) and road haulage industry (eg HGV drivers)
Port Op	Marine Operative	Able Seaman Boatman Berthing Operator Shipmoorer Dredger Hand Lock controller Deck hand	Marine Operations Team Leader		
	Passenger Operative	Customer Services Assistant Passenger Assistant Baggage Handler Traffic Controller	Passenger Operations Team Leader		
	General Operative		Port Operations Team Leader		
			Engineering Oper	ations	I
	ector of gineering	Head of Support Services General Manager Chief Engineer Port engineer Head of engineering			
Po	rt Engineer	Engineering Manager Engineering Resources Manager	Director of Engineering		

Job title	Alternative Title	Opportunities within maritime sector	Opportunities in other sectors	Established routes from other sectors
	Marine Engineering Manager Terminal Engineer			
Civil Engineer	Construction Engineer Development Engineer Civil Foreman			
Engineering Manager	Engineering Superintendent Plant Engineer Manager	Port Engineer		
Engineering Supervisor	Engineering Foreman Electrical Foreman Maintenance Foreman Mechanical Foreman	Engineering Manager (may need further engineering qualifications)		
Technician	Electrician Engineering Technician Fitter Mechanical Fitter Maintenance Fitter General Engineering Assistant Third Engineer Marine Maintainer Machinist Welder Fabricator Electronics Technician Tyre Fitter Trailer Fitter	Engineering Supervisor Merchant Navy opportunities as a rating (eg Fitter)	Technician role in a non-maritime sector.	
Maintenance Assistant	Workshop Labourer	Technician Merchant Navy opportunities as a rating (eg fitter)		

Appendix E

Functional Map

Overview of functional map for the maritime industry

The diagram below contains the Key Purpose Statement (central circle) and the Key Functional Areas (outer circles) for the maritime sector.



The following pages detail the functions for each of the Key Functional Areas, from Area A through to Area D. Note that Area CD has been formed by an overlap of functions for Key Functional Area C and Key Functional Area D.

KEY: normal text= NOS within MSA footprint; text in **bold= NOS outside of MSA footprint**; text in italics= functions not covered by NOS

Principal Function/Role	Function
	A1.1 Manage the use of physical resources
	A1.2 Manage the use of financial resources
	A1.3 Create effective working relationships
	A1.4 Lead the work of teams and individuals to
	achieve their objectives
	A1.5 Respond to poor performance in the team
	A1.6 Develop productive working relationships
	A1.7 Select personnel for activities
	A1.8 Manage the performance of teams and
	individuals
	A1.9 Plan and organise services and operations
	to meet expectations and requirements
	A1.10 Maximise product sales
	A1.11 Help customers choose between products
	A1.12 Maintain reliable customer service
A1 Operations and development	A1.13 Manage activities to meet requirements
	A1.14 Promote services
	A1.15 Process payments for purchases
	A1.16 Set up take down and store equipment
	A1.17 Promote safety in the sport and activity environment
	A1.18 Provide a centre reception service
	A1.19 Resolve customer service problems
	A1.20 Support the protection of children from
	abuse
	A1.21 Promote a culture of health and safety
	A1.22 Investigate and evaluate incidents and
	complaints in the workplace
	A1.23 Conduct an assessment of risk in the
	workplace
	A1.24 Develop procedures to control risks to health and safety

		A2.1 Plan a coaching programme
		A2.2 Plan a long term coaching programme
		A2.3 Deal with accidents and emergencies
		A2.4 Support the protection of children from
		abuse
		A2.5 Plan and prepare a series of coaching sessions
		A2.6 Maintain an environment in which
	A2 Coaching, teaching, instructing	participants can improve their performance
		A2.7 Coach participants to improve their performance
		A2.8 Evaluate coaching sessions and develop personal coaching practice
		A2.9 Implement a coaching programme
		A2.10 Develop participant performance through
		progressive sessions
		A2.11 Establish and maintain an environment that
		will assist participant progression
		A2.12 Evaluate a coaching programme and
		continuously develop own practice
	B1 Sell products and services at trade fairs, exhibitions or conferences	
	B2 Sell products or services in international markets	
	B3 Manage and facilitate case negotiations	
	B4 Monitor the delivery of products	
B. Buy and sell leisure vessels	B5 Assess customers financial requirements	
	B6 Put together sales particulars	
	B7 Arrange trial sails	
	B8 Ensure compliance with legal	
	and regulatory requirements	
	B9 Demonstrate compliance with legaland	
	regulatory requirements for sales activities	
C Manage control and operate ports harbours and	C1 Provide a Harbour Master service	
C. Manage, control and operate ports, harbours and marinas	C1 Provide a Harbour Master service	
	C2 Provide Marine Pilotage	
	C2 Provide Marine Pilotage C3 Undertake VTS operations	
	C2 Provide Marine Pilotage	C4.1 Spatial Data Management C4.2 Provide data for nautical charts and maps

	C5 Supervise port operations C6 Undertake and support port operations C7 Manage security	C4.3 Provide tenders and results for internal and external clients C4.4 Provide accurate and reliable information for other disciplines C4.5 Source information on sea bed type, water movements and waves C4.6 Problem solve for colleagues working offshore
	C8 Manage occupational health and safety	
 C. Manage, control and operate ports, harbours and marinas D. Manage and support the efficient operation and maintenance of commercial shipping, fishing and leisure fleets 	CD1 Manage and lead CD2 Provide engineering leadership	
	CD3 Provide engineering management	
	CD4 Perform electrical and electronic servicing	
	CD5 Perform engineering maintenance	
	CD6 Perform engineering operations	
	CD7 Provide engineering technical support	
	D1 Perform marine engineering	
	D2 Perform engineering maintenance and installation	
		D3.1 Develop a personnel services delivery strategy to support the organisation
		D3.2 Develop a strategy and plan to provide all
		people resources for the organisation D3.3 Develop a strategy and plan for learning and
		development
D Manage and support the efficient operation and		D3.4 Design, deliver and evaluate recruitment procedures
maintenance of commercial shipping, fishing and leisure fleets		D3.5 Design, deliver and evaluate the delivery of personnel procedures in international contexts
		D3.6 Provide guidance on the staffing of company vessels

	D3.7 Manage the planning, recruiting and allocating
D3 Manage the logistics, co-ordination and	of appropriate employees to comply with statutory
training of fleet personnel	requirements
	D3.8 Review training provision to ensure that
	employees
	are developed to meet current and future
	requirements
	D3.9 Develop a strategy and plan for learning and
	development
	D3.10 Identify the learning and development
	needs of the organisation
	D3.11 Design learning programmes
	D3.12Develop training sessions
	D3.13 Design and tailor training programmes to meet
	seagoing, operational, technical and health and
	safety requirements
	D3.14 Ensure that training programmes and practices
	comply with statutory requirements
	D4.1 Operate recruitment procedures
	D4.1 Operate recruitment procedures D4.2 Operate employee relations procedures
	D4.3 Provide personnel related support for
	employees on
	vessels and liaise with family members
D4 Support the logistics, co-ordination and	D4.4 Arrange visas, immigration paperwork and travel
training of fleet personnel	to and from vessels for employees
	D4.5 Liaise with external recruitment companies to
	assign crew to vessels
	D4.6 Arrange routing inductory standard mediasts for
	D4.6 Arrange routine industry standard medicals for employees on vessels
	D4.7 Monitor employee documentation and
	certification requirements to ensure compliance
	D4.8 Organise business travel and
	accommodation
	D4.9 Support the delivery of learning and
	development
	procedures
	D4.10 Maintain and monitor a record of training
	compliance
	oompilance

		D4.11 Organise training courses, including travel,
		accommodation, visas and medicals for attendees
		D4.12 Schedule training to ensure that applicable
		refresher periods are maintained
		E1.1 Ensure the stability and watertight integrity of a
		vessel
		E1.2 Control the response to emergencies on board a
		vessel
		E1.3 Direct the response to emergencies on board a
		vessel
E Manage, control and operate commercial shipping,	E1 Direct and control a vessel and ensure	
fishing and leisure vessels	vessel safety	E1.4 Provide medical services on board a vessel
		E1.5 Organise the maintenance of the vessel's hull,
		fittings and equipment during operational activities
		E1.6 Ensure safe, legal and effective working
		practices on board a vessel
		E1.7 Ensure compliance with the commercial
		obligations of
		a vessel
		E2.1 Contribute to the stability and watertight integrity
		of a vessel
		E2.2 Respond to emergencies on board a vessel
	E2 Managa and astaly aparata a yaccal	E2.3 Maintain safe, legal and effective working practices on board a vessel
	E2 Manage and safely operate a vessel	
		E2.4 Create, maintain and enhance productive
		working relationships on board a vessel
		E2.5 Take personal emergency action on board a
		vessel
		E2.6 Take control of survival craft and rescue boats
		E3.1 Maintain steelwork and deck equipment on
		board a vessel
		E3.2 Maintain personal health, safety and
		environmental
	E3 Support the management, operation and	standards on board a vessel
		E3.3 Take personal emergency action on board a
	safety of a vessel	vessel
		E3.4 Take control of survival craft and rescue boats
		E3.5 Move and handle resources

	E3.6 Confirm work activities and resources for the work
	E3.7 Confirm the occupational method of work
	E3.8 Erect and dismantle access/working
	platforms
	E3.9 Prepare surfaces for painting/decorating
	E3.10 Apply paint systems by brush and roller
	E3.11 Food preparation and cooking
	E4.1 Plan a navigational voyage
	E4.2 Control navigation and vessel-handling
E4 Direct and control the navigation of a vessel	E4.3 Direct the response to navigation emergencies
	E4.4 Plan and direct vessel operations
	E5.1 Maintain a navigational watch
	E5.2 Initiate the response to navigation emergencies
E5 Navigate a vessel	E5.3 Monitor and control vessel operations
	E5.4 Control vessel mooring, anchoring and securing operations
	E6.1 Contribute to maintaining a navigational watch
E6 Support the navigation of a vessel	E6.2 Contribute to vessel operations
	E6.3 Contribute to vessel mooring, anchoring and securing operations
	E7.1 Manage the Operation of Vessel Propulsion
	Machinery and Ancillary Systems
	E7.2 Manage the Operation of Vessel Auxiliaries,
	Auxiliary Boilers and Service Machinery
E7 Direct and control vessel engineering operations	E7.3 Manage the operation of Vessel Electrical, Electronic and Control Equipment
	E7.4 Manage the Safety of Vessel High Voltage Electrical Systems
	E7.5 Carry out Maintenance of Vessel
	Telecommunication and Navigation Systems
	E7.6 Manage Maintenance of Vessel Electrical Systems
	E7.7 Manage Maintenance of Vessel Instrumentation and Control Systems
	E7.8 Identify and Report Variations in Vessel

	Electrical,
	Instrumentation and Control Systems
	E7.9 Diagnose the Causes of Variations in Vessel
	Mechanical Systems
	E7.10 Diagnose the Causes of Variations in Vessel
	Electrical and Electronic Systems
	E7.11 Diagnose the Causes of Variations in Vessel
	Instrumentation and Control Systems
	E7.12 Plan and Schedule Vessel Engineering
	Operations
	E7.13 Direct Vessel Engineering Operations
	E7.14 Plan Maintenance for Vessel Engineering
	Systems
	E7.15 Develop Maintenance Plans for Vessel
	Engineering Systems
	E7.16 Prepare Vessel Response Plans for
	Engineering Contingency Situations
	E7.17 Carry Out Maintenance of Vessel
	Telecommunication and Navigation Systems
	E7.18 Diagnose the Causes of Variations in Vessel
	Telecommunications and Navigation Systems
	E8.1 Prepare and Operate Vessel Propulsion
	Machinery and Ancillary Systems
	E8.2 Operate Vessel Auxiliaries and Service
	Machinery
	E8.3 Operate and Adjust Vessel Electrical Equipment
	E8.4 Manage the Safety of Vessel High Voltage
	Electrical Systems
E8 Manage, operate and maintain vessel	E8.5 Contribute to Maintenance of Vessel Electrical
engineering machinery and equipment	Equipment
	E8.6 Carry out Maintenance of Vessel Electrical
	Machinery and Systems
	E8.7 Carry out Maintenance of Vessel Mechanical
	Machinery and Systems
	E8.8 Monitor and Operate Engine Room Machinery
	E8.9 Take Charge of an Engine Room Watch
E9 Support the operation and maintenance of	
vessel engineering machinery and equipment	E9.1 Contribute to an Engine Room Watch

	E9.2 Monitor and Operate Engine Room Machinery
	E9.3 Contribute to Maintenance of Vessel Mechanical
	Equipment
	E10.1 Support fishing operations
	E10.2 Support catch handling and stowage
	operations
	E10.3 Assemble fishing gear
	E10.4 Repair fishing gear
	E10.5 Operate fishing equipment
E10 Manage, undertake and support fishing	
operations	E10.6 Handle and stow the catch
	E10.7 Manage and control fishing operations
	E10.8 Select, rig and maintain fishing operations
	E10.9 Implement and maintain quality assurance for
	fishing operations
	E10.10 Carry out fisheries liaison duties on board
	ship
	E10.11 Undertake responsible fishing
E11 Direct and control specialist vessels	E11.1 Control tug operations
	E11.2 Direct tug operations
	E12.1 Plan and deliver onsite entertainment
E40 Marson 1	E12.2 Deal with travel and tourism emergencies
E12 Manage services on passenger	E12.3 Plan and conduct welcoming events
commercial and leisure vessels	E12.4 Manage the delivery of a tour
	E12.5 Accounting
	E12.6 Payroll administration
	E12.7 Maintain the reception service
	E12.8 Ensure the provision of counter services
	E12.9 Operate a multi-currency till service
	E13.1 Provide food and drink
E13 Provide services on passenger	
commercial and leisure vessels	E13.2 Provide customer service
	E13.3 Provide a housekeeping and front office
	service
F1 Operate Lifeboat Station	F1.1 Undertake station administration

		F2.1 Carry out fire fighting procedures
		F2.2 Carry out emergency and survival procedures
	F2 Undertake critical Lifeboat safety procedures	F2.3 Select and use protective and safety equipment
		F2.4 Use pyrotechnics
		F2.5 Lifeboat layout and equipment
		F3.1 Manage Lifeboat/Hovercraft launch and
		recovery
	F3 Launch and recover Lifeboat/Hovercraft	F3.2 Launch Lifeboat
		F3.3 Recover Lifeboat
		F4.1 Command Lifeboat/Hovercraft
		F4.2 Manage anchoring operations
		F4.3 Manage the towing of other vessels
		F4.4 Select and maintain cordage and wire
F Mobilise, organise and operate civilian maritime search	F4 Handle Lifeboat/Hovercraft and general	
and rescue	seafaring	F4.5 Maintain a proper lookout
		F4.6 Assist with anchoring operations
		F4.7 Pass and recover tow
		F4.8 Moor and berth the Lifeboat
		F4.9 Deploy, operate and recover drogue
		F4.10 Helm the Lifeboat
		F4.11 Deploy and recover the daughter boat
		F4.12 Handle X/Y/Boarding boats
		F4.13 Deploy, operate and recover breeches buoy
		F4.14 Carry out helicopter transfers
	F5 Carry out search and rescue operations	F5.1 Plan and execute search and rescue operations
		F5.2 Locate and recover casualty
		F6.1 Transmit and receive communications by VHF
	F6 Establish and maintain radio	20
	communications	F6.2 Transmit and receive communications by MF/HF
		F7.1 Identify targets and pilot Lifeboat using radar
		F7.2 Pilot Lifeboat/Hovercraft using charts and other
	F7 Operate navigational equipment	publications
	,	
		F7.3 Pilot Lifeboat/Hovercraft using electronic
		navigation equipment
	F8 Fault diagnosis and rectification	F8.1 Diagnose faults
		F8.2 Rectify faults
		F9.1 Start and stop engines and auxiliaries
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F9 Operate Lifeboat propulsion and auxiliary	
systems	F9.2 Operate main engines and generator systems
	F9.3 Operate pumps and control equipment
	F9.4 Operate Lifeboat machinery
F10 Undertake planned maintenance	F10.1 Maintain and service Lifeboat equipment
	F10.2 Equipment performance and recording

Research References

Marine Leisure

UKSA *the works* Seavision UK Career Guide http://www.rya.org.uk/Courses/workingafloat/ http://www.warsashcentre.co.uk/images/Deck%20Flow%20chart.pdf http://www.learndirect-advice.co.uk/helpwithyourcareer/jobprofiles/profiles/profile500/ http://www.learndirect-advice.co.uk/helpwithyourcareer/jobprofiles/profiles/profile973/ http://www.learndirect-advice.co.uk/helpwithyourcareer/jobprofiles/profiles/profile1150/ http://www.learndirect-advice.co.uk/helpwithyourcareer/jobprofiles/profiles/profile1150/

Maritime Search and Rescue

RNLI Training Manual Small Rescue Boat Code, MCA www.mcga.gov.uk Search and Rescue Framework for the UK, MCA <u>http://www.mcga.gov.uk/c4mca/mcga-uk_sar_framework_document.pdf</u>

Merchant Navy

www.mcga.gov.uk MCA Marine Guidance Notes Entry and Career Progression in the Ship Management Sector of the Shipping Industry, MNTB Sector Workforce Development Plan, MNTB Considering a Career in the Marine Environment?, IMAREST www.mntb.org.uk http://www.learndirect-advice.co.uk/helpwithyourcareer/jobprofiles/profiles/profile366/ http://www.learndirect-advice.co.uk/helpwithyourcareer/jobprofiles/profiles/profile485/ http://www.learndirect-advice.co.uk/helpwithyourcareer/jobprofiles/profiles/profile973/

Sea Fishing

Career Pathways on Deck <u>http://www.seafish.org/sea/training.asp?p=ef247</u> <u>http://www.learndirect-advice.co.uk/helpwithyourcareer/jobprofiles/profiles/profile873/</u> <u>http://www.learndirect-advice.co.uk/helpwithyourcareer/jobprofiles/profiles/profile872/</u>

Ports

Hydrographics Careers Leaflet, International Federation of Hydrographic Societies (DRAFT)

http://www.dft.gov.uk/stellent/groups/dft_shipping/documents/page/dft_shipping_505258-24.hcsp http://www.learndirect-advice.co.uk/helpwithyourcareer/jobprofiles/profiles/profile935/ http://www.mcga.gov.uk/c4mca/mcga-dops_pr_newsroom-press-releasesrelease.htm?mcga_news_id=269&month=1&year=2002 http://www.royal-navy.mod.uk/server.php?show=conWebDoc.363&changeNav=3533 http://www.warsashcentre.co.uk/c-radar.shtml www.harbourmaster.org/harbour-master.htm

Key Maritime Organisations

General

The International Maritime Organisation The Maritime and Coastguard Agency Institute of Marine Engineering, Science and Technology (IMarEST)

Marine Leisure

British Marine Federation Royal Yachting Association Royal Institution of Naval Architects UK Sailing Academy Yacht Brokers, Designers and Surveyors Association Seavision UK

Merchant Navy

Merchant Navy Training Board The Chamber of Shipping Institute of Marine Engineering, Science and Technology The Marine Society and Sea Cadets

Sea Fishing

Sea Fish Industry Authority (Seafish)

Ports

Port Skills and Safety Limited British Ports Association International Association of Ports and Harbours International Federation of Hydrographic Societies International Harbour Masters' Association Nautical Institute UK Maritime Pilot's Association

Emergency and Rescue

Royal National Lifeboat Institution HM Coastguard