



the
mackinnon
partnership

A Qualifications and Curriculum Strategy for the Maritime Sector

Appendices

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CONTENTS

Section	Page
Appendix A: National Occupational Standards.....	1
Appendix B: Accredited qualifications	3
Appendix C: Non-accredited qualifications.....	6

Appendix A: National Occupational Standards

Creating Body	Suite Name	Coverage	Date Created
Merchant Navy Training Board/Seafish	Marine	<p>Large suite of NOS covering a wide variety of competencies covering ratings, deck and engineering officers on all vessel types along with specific competencies for fishing and tug operations.</p> <p>This suite of NOS is divided into five series:</p> <ul style="list-style-type: none"> • Series A: Safety and Management • Series B: Navigation and Vessel Operations • Series C: Engineering • Series D: Seafish Operations • Series E: Tug Operations 	January 2006
Merchant Navy Training Board	Maritime Hospitality	This suite covers occupational role of those working in the hospitality departments at management levels on board cruise liners, passenger ferries and super yachts.	June 2009
Merchant Navy Training Board	Non-pleasure craft operating in inland coastal waters	This suite of NOS covers the functions and activities undertaken by those working on non-pleasure vessels operating in inland and coastal waters.	July 2007
Merchant Navy Training Board	Shore Based Ship Management	This suite of NOS covers those who work in ship management and shipping companies involved in the commercial operation of a ship or fleet of ships.	February 2009
Port Skills and Safety	Harbour Masters	This suite covers all functions and activities carried out by harbour masters including; environmental, emergency and financial management of the harbour; discharging of all statutory duties; communicating with external interests; managing leisure usage and piloting services and contributing to strategic planning.	March 2004
Port Skills and Safety	Marine Pilot	This suite covers all functions and activities carried out by marine pilots including; planning and executing an act of pilotage; responding to emergency situations and maintaining professional standards and improving personal performance.	July 2000

Creating Body	Suite Name	Coverage	Date Created
Port Skills and Safety	Port Operations	This suite of NOS detail the competencies required for the operational activities associated with the transfer of cargo and passengers between the vessel and cargo storage area/passenger terminal. These standards relate to Stevedores, Marine Operatives, Passenger Operatives, General Operatives and Team leaders.	May 2005
Port Skills and Safety	Supervision of Port Operations	This suite of NOS detail the competencies required for supervising the operational activities associated with the transfer of cargo and passengers between the vessel and cargo storage area/passenger terminal. These standards relate to individuals supervising Stevedores, Marine Operatives, Passenger Operatives and General Operatives.	October 2005
Port Skills and Safety	Vessel Traffic Service Operations	This suite of NOS identifies the key functions and activities of a Vessel Traffic Service Operative including; operating communication, radar and other relevant equipment; monitoring and forecasting hydrological and meteorological conditions; applying nautical knowledge; responding to emergency situations; communicating effectively; providing a navigational service and exhibiting personal attributes conducive to the role.	March 2004

Appendix B: Accredited qualifications

Masters

MSc International Supply Chain Management
MSc/PgDip International Logistics
MSc/PgDip International Shipping
MSc/PgDip Port Management
MBA Shipping and Logistics

BSc/BEng

BEng (Hons) in Marine Engineering
BSc (Hons) Maritime Business and Logistics
BSc (Hons) Maritime Business and Maritime Law
BSc (Hons) Maritime Business with Navigation
BSc (Hons) International Logistics with Business English
BSc (Hons) Shipping and Logistics
BSc (Hons) Cruise Management
BSc (Hons) International Supply Chain and Shipping Management

BSc Navigation & Marine Technology
BSc Maritime Business & Management
BSc (Hons) Maritime Studies (Merchant Shipping), University of Plymouth
BSc (Hons) Maritime Studies (Navigation), University of Plymouth
BSc (Hons) Maritime Studies (Ocean Yachting), University of Plymouth
BSc Nautical Science
BSc/BA Business, Leadership & Management
BEng in Marine Engineering

Foundation Degrees/Professional Diploma

FD Nautical Science
FD Marine Engineering
FD Marine Electrical/Electronics
FD Operational Yacht Science
FD Yacht Operations
FD Ports and Logistics
FD Cruise and Ferry Management

FD Cruise Line Operations
FD Cruise Ship Operations
FD Marine Leisure Management
FD Marine Sports Science
PD Marine Engineering
PD Marine Operations

HNC/D

HNC/D Nautical Science
HNC/D Marine Engineering
HNC/D Merchant Navy electro-technical officer cadet programme

NVQs

Awarding Body	Level	Title	Expiry date
EAL	Two	Port Operations – 5 pathways: <ul style="list-style-type: none"> • General • Marine • Passenger; • Stevedoring • Team Leading 	31.03.2010
EAL	Three	Supervision of Port Operations	31.03.2010
Edexcel	Two	Marine Vessel Support :- <ul style="list-style-type: none"> • Deck (MN) • Engine Room (MN) • Inshore Tug Hand 	31.03.2010
Edexcel	Three	Marine Engineering Operations - 4 NVQs <ul style="list-style-type: none"> • Engineer Officer of the Watch (MN) Over 750kW • Engine Operator (MEOL) <750 kW • Engine room Watchkeeper (Tug) Inshore • Engineer (Tug) Inshore 	31.03.2010
Edexcel	Three	Marine Vessel Operations – 4 NVQs <ul style="list-style-type: none"> • Officer of the Watch (MN) Unlimited • Officer of the Watch (MN) Under 500 GT Near Coastal • Bridge Watchkeeper (Tug) Inshore • Bridge Watchkeeper (Tug) Near Coastal 	31.03.2010
Edexcel	Four	Marine Engineering Operations – 2 NVQs <ul style="list-style-type: none"> • Second Engineer (MN) Unlimited • Second Engineer (MN) Under 300 kW 	31.03.2010
Edexcel	Four	Marine Vessel Operations – 3 NVQs <ul style="list-style-type: none"> • Chief mate (MN) Unlimited • Master (Tug) Inshore • Master (Tug) Near Coastal 	31.03.2010

QCF Awards, Certificates and Diplomas

Awarding Body	Level	Title	Expiry date
EAL	Two	Maritime Studies Award	30.09.2010
EDEXCEL	Two	BTEC Certificate in Sailing and Watersports	31.12.2012
EDEXCEL	Two	BTEC Subsidiary Certificate in Sailing and Watersports	31.12.2012
EDEXCEL	Three	BTEC Certificate in Sailing and Watersports	31.12.2012
EDEXCEL	Three	BTEC Diploma in Sailing and Watersports	31.12.2012
EDEXCEL	Two	Certificate in Marine Vessel Support For Seagoing Deckhands	31.12.2010

SVQs

Awarding Body	Level	Title	Expiry date
SQA	Two	Marine Vessel Support (inshore tug hand)	31.03.2010
SQA	Two	Marine Vessel Support (Engine Room MN)	31.03.2010
SQA	Two	Marine Vessel Support (Deck MN)	31.03.2010
SQA	Two	Marine Vessel Support (Deckhand fishing)	31.03.2010
SQA	Three	Marine Vessel Operations Officer of the watch - under 500 GT near coastal)	31.03.2010
SQA	Three	Marine Vessel Operations (Officers of the Watch – unlimited)	31.03.2010
SQA	Three	Marine Vessel Operations (Mate fishing unlimited)	31.03.2010
SQA	Three	Marine Vessel Operations (Skipper Fishing – inshore)	31.03.2010
SQA	Three	Marine Vessel Operations (Bridge watchkeeper (tugs) inshore)	31.03.2010
SQA	Three	Marine Vessel Operations (Bridge watchkeeper Tugs near coastal)	31.03.2010
SQA	Three	Marine Engineering Operations (engine room watchkeeper (tug) inshore)	31.03.2010
SQA	Three	Marine Engineering Operations (Engineering fishing)	31.03.2010
SQA	Three	Marine Engineering Operations Engineer Officer of the Watch over 750 kw)	31.03.2010
SQA	Three	Marine Engineering Operations (Engineer (tug) inshore)	31.03.2010
SQA	Three	Marine Engineering Operations (Marine Engineer Operator (MEOL) less than 750 kw)	31.03.2010
SQA	Four	Marine Vessel Operations (Chief Mate MN)	31.03.2010
SQA	Four	Marine Vessel Operations (Skipper Fishing – limited)	31.03.2010
SQA	Four	Marine Vessel Operations (Skipper Fishing – unlimited)	31.03.2010
SQA	Four	Marine Vessel Operations (Master Tug - Near Coastal)	31.03.2010
SQA	Four	Marine Vessel Operations (Master Tug - Inshore)	31.03.2010
SQA	Two	Port Operations (Marine operations)	31.07.2011
SQA	Two	Port Operations (Stevedoring)	31.07.2011
SQA	Two	Port Operations (Passenger operations)	31.07.2011
SQA	Three	Supervision of Port Operations	31.07.2011

Scottish National Qualifications

National Certificate Level 6 in Shipping and Maritime Operations

National Progression Award Unit at Level 4 Scottish Sea Fisheries: An Introduction (from NPA Level 4 in Aquaculture)

National Progression Award Level 4 Sports Coaching: Canoeing

National Progression Award Level 5 Sports Coaching: Canoeing

National Progression Award Level 6 Sports Coaching: Canoeing

Appendix C: Non-accredited qualifications

Royal Yachting Association Qualifications

Recognised by MCA

Powerboat (Advanced) Certificate of Competence

Coastal Skipper (Motor Cruising/Sail Cruising) Certificate of Competence

Yachtmaster Offshore (Motor Cruising/Sail Cruising) Certificate of Competence

Yachtmaster Ocean (Motor Cruising/Sail Cruising) Certificate of Competence

Other courses and certificates

International Certificate of Competence

Offshore Safety

Yachtmaster Instructor

Helmsman (Motor Cruising)

Cruising Instructor

Day Skipper (Motor Cruising)

Yachtmaster Examiner

Powerboat Level 1

Basic Sea Survival

Powerboat Level 2

Basic Navigation

Powerboat (Intermediate)

Diesel Engines

Safety boat

First Aid

Start Yachting (Sail Cruising)

Radar

Competent Crew (Sail Cruising)

Radio Communication

Day Skipper (Sail Cruising)

Royal National Lifeboat Institute College Courses (Brackets show external accreditation in addition to RNLI)

Inshore D Class Introduction (RNLI)

All-weather Lifeboats Management, Command and Communication

Inshore B Class Introduction (RNLI)

Inshore Lifeboat Mechanics

Inshore D Class Helm (RNLI)

Inshore Rescue Hovercraft Mechanics

Inshore B Class Helm (RNLI)

Engineering Level 2 (Health and Safety Executive/COSHH Approved)

Inshore Rescue Hovercraft Introduction

Engineering Level 3 (MEOL Limited to RNLI)

Inshore Rescue Hovercraft Commander

Pre-Commissioning Training Mechanics

National Powerboat Instructor (RNLI)

Launch and Recovery Tractors (LANTRA accredited)

Advanced Powerboat Instructor (RNLI)

All-Terrain Vehicles (LANTRA accredited)

All-weather Lifeboats Boathandling

4x4 Vehicles (LANTRA accredited)

All-weather Lifeboats Search and Rescue Navigation

Radar and Electronic Navigation Aids

All-weather Lifeboats Search and Rescue Command

Search and Rescue Radio Operators Certificate (Association of Marine Electronic and Radio Colleges on behalf of the MCA)

All-weather Lifeboats Pre-Commissioning Training

All-weather Lifeboats Launching Authority

First Aid for Lifeboat Crews and First Aid for Lifeguards (STCW)

Lifeguard Wet+Dry Induction

Lifeguard Rescue Watercraft Operator (Surf Life Saving Great Britain and RYA)

Lifeguard Inshore Rescue Boat Crew (Surf Life Saving Great Britain)

Lifeguard Inshore Rescue Boat Helm (Surf Life Saving Great Britain)

Senior Lifeguard

Lifeguard Supervisor

Lifeguard Train the Trainer (Surf Life Saving Great Britain)

MCA Certificates

Standards of Training, Certification and Watchkeeping III/1

Standards of Training, Certification and Watchkeeping III/2

Standards of Training, Certification and Watchkeeping III/3

Certificates of Competency (Yachts and Fishing Vessels)

Deck Officer (Fishing Vessel) Class 2

Engineer Officer Certificate of Competency (Fishing Vessel) Class 1/Class 2

Yacht Rating Certificate

Efficient Deck Hand

Navigational/Engineering Watch Rating Certificate

Boat Masters License Tier 1 Level 2

Boat Masters License Tier 1 Level 1

Boat Masters License Tier 2

Master of Yachts Certificate of Competence (Commercial Endorsement)

Certificates of Equivalent Competency

Fire Prevention & Fire Fighting

Advanced Fire Fighting

Elementary First Aid

Medical First Aid

Medical Care

Personal Safety and Social Responsibilities

Personal Survival Techniques

Proficiency in Survival Craft and Rescue Boat

Radio Operation

Electronic Navigation Systems

Approved Engineer Course certificate

Marine Engineer Operating Licence (Yacht)

VTS Operator Basic Training Scheme

Examples of Seafish qualifications

Seafish Basic Sea Survival

Seafish Basic Fire Fighting & Prevention

Seafish Basic First Aid

Seafish Basic Health & Safety

Safety Awareness & Accident Prevention

Basic Stability Awareness

Intermediate Stability Awareness

Introduction to HACCP in the Seafood Industry - Fishermen (REHIS)

Food Safety Level 1 (REHIS)

Food Safety Level 2 (CIEH)

Care of the Catch

2-day Bridge Watchkeeping

5-day Bridge Watchkeeping

2-day Engineeroom Watchkeeping

5-day Engineeroom Watchkeeping

Examples of other qualifications

Marina Operatives Certificate (British Marine Federation)

Certified Marina Management Certificate (International Marina Institute)

Professional Yacht Marine Hospitality Certificate (UKSA)

Diploma in Port Management (National Sea Training Centre/Lloyd's Maritime Academy)

Harbour Master Certificate Scheme (Nautical Institute)

Management Certificate and Diploma Scheme (Nautical Institute)

Command Diploma (Nautical Institute)

Pilotage Certificate Scheme (Nautical Institute)

Square Rigged Sailing Ship Certificate (Nautical Institute)

Port Facility Security Officer

Explosives Security Officer

Lift truck/lifting vehicle operations e.g. meeting ITSSAR, RTITB, Certification

V103 1 and 3 VTS Operator Certification

IOSH Working Safely, Managing Safely, Managing Safely in Ports, Cargo handling in Ports, Safety for Senior Executives

Diploma in Crew Management (Lloyd's Maritime Academy)

Certificate/Diploma in Ship Management (Lloyd's Maritime Academy)

