

Transport and Main Roads

Maritime Safety Queensland Implementation Programs

for marine safety and marine pollution prevention and response

2011-12

Message from the General Manager

Maritime activities contribute significantly to both the economy and lifestyle of Queensland. Maritime Safety Queensland is responsible for managing the safety of vessels and their operations and ensuring the safety of the marine environment. It is essential that Maritime Safety Queensland effectively identifies and manages the risks of the activities that are not managed or cannot be managed by operators. We do this through strong leadership, good industry and community relationships, highly skilled and responsive staff and the use of modern technology and best practice systems.

This document outlines Maritime Safety Queensland's priorities and significant actions to be undertaken in 2011-12. Maritime Safety Queensland will continue its work of encouraging and fostering safety as a core value and culture. The next 12 months delivers challenges and opportunities as Queensland continues to recover from the recent severe weather events, and significant development is planned to occur at Queensland ports.

Maritime Safety Queensland will continue to work with the boating community and industry to ensure that boating can safely meet Queenslanders' varied needs for maritime transport, commerce, tourism and recreation.

Remember, You're the Skipper, You're Responsible.

Safe boating

Patrick Quirk
General Manager
Maritime Safety Queensland

Introduction

Maritime Safety Queensland manages the safety of vessels and their operations and ensures the safety of the marine environment. Maritime Safety Queensland manages the movement of vessels through inland waterways and along a mainland coastline that spans 7,400 kilometres with another 2,400 kilometres of offshore island coastline. This coastline is environmentally sensitive containing many marine parks. Maritime Safety Queensland is a division of the Department of Transport and Main Roads within the Queensland Government.

As Queensland's maritime safety regulator we are responsible for:

- Developing, maintaining and implementing an appropriate regulatory framework for maritime safety, vessel movements and ship-sourced pollution prevention
- Ensuring compliance with maritime safety, vessel movements and ship-sourced pollution standards through an effective approach to education and enforcement
- Providing information and services to assist industry and the community to better manage their risks
- Planning and managing boating infrastructure and state boat harbours, including dredging of channels for small craft

Vision

Maritime Safety Queensland's vision is outlined below:

Q2 Qld Government	Transport and Main Roads	Maritime Safety Queensland
Tomorrow's Queensland <i>Strong, green, smart, fair and healthy</i>	Connecting Queensland <i>Plan, deliver and manage a transport system that connects Queensland</i>	Safer, cleaner seas <i>Lead the delivery of maritime safety, services and the protection of the marine environment from ship-sourced pollution</i>

Achieving our Vision

We develop implementation programs to articulate the annual program of activities we will undertake to achieve our strategic priorities.

In addition to our core business, Maritime Safety Queensland's strategic priorities guide our activities for the next four years. In 2011/12 our strategic priorities are:

- Managing sustainable vessel movements
- Managing a sustainable environment
- Managing maritime safety outcomes
- Managing community and industry expectations of Maritime Safety Queensland as a regulator
- Managing performance.

Maritime Safety Queensland's strategic priorities are aligned to the broader departmental and Queensland Government objectives, as illustrated in the table below:

Q2 Queensland Government Objective	Transport and Main Roads Corporate Objectives 2011-15	Maritime Safety Queensland Strategic Priorities
Strong	A sustainable transport system which promotes economic growth and enhances liveability	Managing sustainable vessel movements
Green	Transport-related impacts on the natural, cultural and built environment managed for the community	Managing a sustainable environment
Healthy	A safe transport system leading to improved health and well being for Queenslanders	Managing maritime safety outcomes
Fair	Inclusive transport services linking people to employment, education, services and their communities	Managing community and industry expectations
Enabling	Enhanced leadership and stakeholder relationships, improving transport outcomes for Queensland	
	Contemporary people, processes and systems, enabling us to achieve our corporate objectives	Managing performance

NB. Maritime Safety Queensland does not contribute to the TMR objective 5 "enhanced capability of people involved in transport, logistics and supply chain industry"

Key Legislation Administered

Maritime Safety Queensland Act 2002

The purpose of the *Maritime Safety Queensland Act 2002* is to create an entity, Maritime Safety Queensland, to provide professional, specialist advice to, and undertake particular functions of, the chief executive in relation to marine safety, ship-sourced pollution and related matters.

Transport Operations (Marine Pollution) Act 1995

The purpose of the *Transport Operations (Marine Pollution) Act 1995* is to protect Queensland's marine and coastal environment by minimising deliberate and negligent discharges of ship-sourced pollutants into coastal waters. The pollutants regulated through the Act include oil, sewage, garbage, chemicals and noxious and harmful substances.

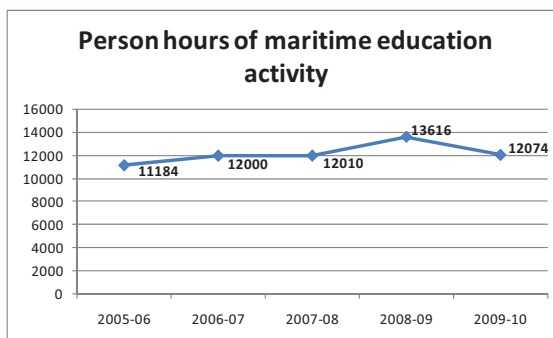
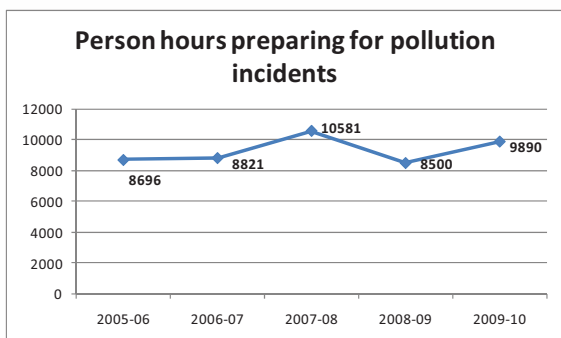
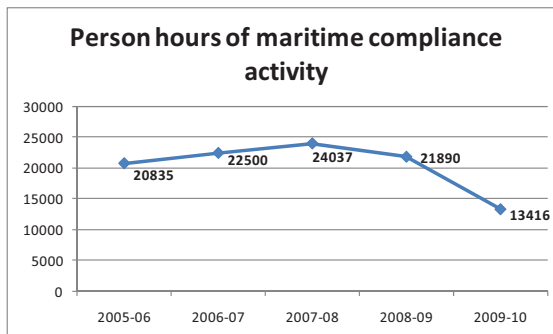
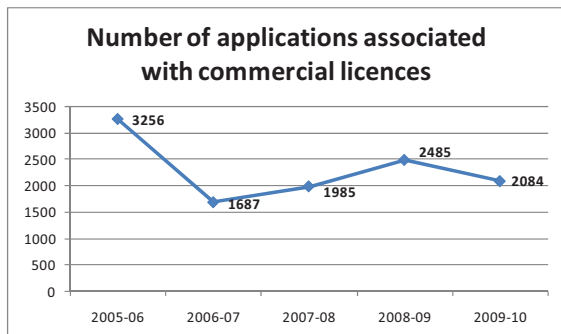
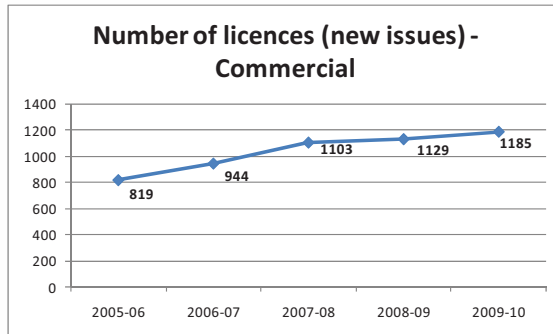
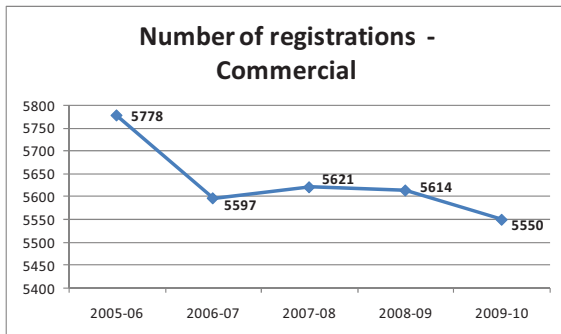
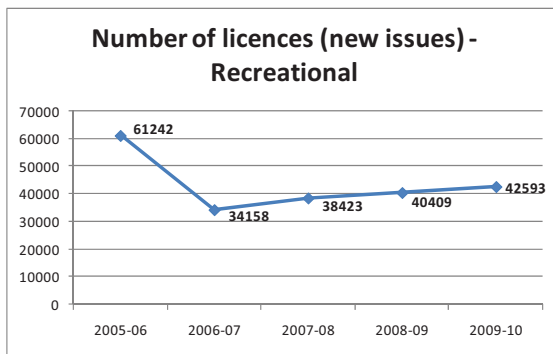
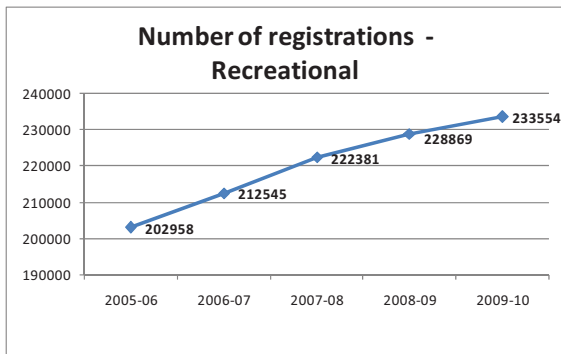
Transport Operations (Marine Safety) Act 1994

The *Transport Operations (Marine Safety) Act 1994* seeks to achieve an appropriate balance between regulating the maritime industry to ensure marine safety and enabling the effectiveness and efficiency of the Queensland maritime industry to be further developed. The Act imposes a general safety obligation to ensure seaworthiness and other aspects of marine safety.

Key Statistics

Measure	As at 30 June 2010
Number of registrations - Recreational	233,554
Number of registrations - Commercial	5,550
Number of licences (new issues) - Recreational in 2009-10	42,593
Number of licences (new issues) - Commercial in 2009-10	1,185
Number of applications associated with commercial licences in 2009-10	2,084
Person hours of maritime compliance activity in 2009-10	13,416
Person hours preparing for pollution incidents in 2009-10	9,890
Person hours of maritime education activity in 2009-10	12,074
Marine fatalities per 100,000 registered vessels in 2009-10	5.86

Key Statistics - 5 year trend graphs



Notes:

- Changes to the legislative requirements for recreational ship master licences, implemented from 1 January 2006, resulted in a significant increase in the number of new licences issued. The number of recreational licences issued annually has since moved back in line with recent historical trends.
- Single national jurisdiction uncertainty and the global financial crisis saw a downturn in the number of persons applying for commercial marine licences in 2009–10.
- The reduction in maritime compliance activity in 2009–10 can be partially attributed to the temporary reallocation of staff to work on the settlement of the *Pacific Adventurer* oil discharge incident. Enforcement measures continue to be delivered by compliance partners and regional officers.

Program of Key Activities

The following section outlines significant actions to address each of Maritime Safety Queensland's five strategic priorities for 2011-12.

Strategic Priority 1: Managing Sustainable Vessel Movements

We are committed to the safe movement of vessels in Queensland ports and coastal waters. We will focus our efforts on monitoring and responding to industry development and other risk drivers by forecasting growth and ensuring we have the appropriate services and supporting infrastructure in place.

Priority Actions for 2011-12:

1. Continue to operate Pilotage and Hydrographic Services Branch on a sound business basis
2. Develop and implement a consistent policy on enhanced electronic navigation aids
3. Establish SmartShip Australia¹ and commence operating on a sound business basis
4. Assess plan and deliver necessary maintenance works on navigation aids, including Vessel Traffic Services sensors, impacted by recent severe weather events
5. Develop a Vessel Traffic Service strategy that addresses:
 - Improving service delivery
 - Business continuity
 - Anticipated and current port developments
6. Progress the development of a strategic asset management framework, then the implementation of an asset management system, so as to enhance the management, maintenance and lifecycle of Maritime Safety Queensland's assets
7. Address the findings of the internal audit report into the management of Aids to Navigation and the delivery of Vessel Traffic Service
8. Consult with Australian Maritime Safety Authority (AMSA) in order to allocate powers and responsibilities as between the competent authority and the Vessel Traffic Management authority in accordance with International Convention for the Safety of Life at Sea (SOLAS) and world's best practice
9. Implement key recommendations from Ports and Waterways Safety Assessment (PAWSA) projects
10. Respond to and manage the significant growth occurring as a result of LNG industry in Gladstone

Significant initiatives and activities to support the delivery of these priority actions include:

- Monitor the repair of cyclone/flood damaged aids to navigation to ensure work is performed and completed in accordance with approved contract – Cairns, Townsville, Mackay, Gladstone, and Brisbane Regions

¹ SmartShip Australia is purpose-built facility providing for state-of-the-art, realistic and safe simulation of maritime events. Simulation can cover aspects of ship manoeuvrability, taking into account size, power and environmental conditions such as wind, current, tide, rain, fog and day/night conditions, port and fairways as well as equipment malfunctions.

- Investigate the use of network connectable laptops to function as a portable Vessel Traffic Service centre, providing a further redundancy, should the primary Vessel Traffic Service delivery capability be compromised – Maritime Services Branch
- Implement an annual fee review of port pilotage services– Pilotage and Hydrographic Services Branch
- Implement the recommendations of the internal audit report into the management of Aids to Navigation and the delivery of Vessel Traffic Service – Maritime Services Branch
- Investigate ways of managing big ship and small ship interactions at key locations – Maritime Services Branch
- Develop operational policy documents for the use of enhanced electronic navigation aids – Maritime Services Branch

Did you know?

Interaction between large ships and small craft is rapidly increasing in Queensland coastal waters.

Trade through the Port of Brisbane is growing with an expected 5500 shipping movements annually. Central Queensland port authority facilities at Gladstone are growing with an expected 3000 shipping movements annually – approximately one every three hours. The ports of Bundaberg and Hervey Bay also have growth in trade.

Skippers of small vessels are responsible, where possible, for keeping clear of ship navigation areas such as major shipping routes, pilot boarding grounds, anchorages, channels, swing basins and berths.

For more information go to www.msq.qld.gov.au



View inside the Townsville REEFVTS (Great Barrier Reef and Torres Strait Vessel Traffic Service) centre where Maritime Safety Queensland provides Vessel Traffic Services, in conjunction with the Australian Maritime Safety Authority (AMSA). REEFVTS is one of a number of measures used to enhance navigational safety, thereby minimising the risk of a maritime accident and consequential pollution and major damage to the marine environment from shipping incidents.

Strategic Priority 2: Managing a Sustainable Environment

We are committed to developing appropriate strategies to prevent marine pollution and minimise the occurrence and impact of marine pollution incidents through preparedness and response. We are responsible for the application of the *Transport Operations (Marine Pollution) Act 1995*. We take pride in our pollution response capability but recognise that pollution prevention is our primary goal.



The Chinese registered bulk carrier *Shen Neng 1* ran aground on Douglas Shoal, east of Rockhampton, on 3 April 2010. The impact of the *Shen Neng 1*'s collision with the reef resulted in the spilling of oil into the ocean. Maritime Safety Queensland officers and the National Response Team used oil booms to trap and contain any fuel oil spilt.

Priority Actions for 2011-12:

11. Develop a marine pollution prevention strategy taking into consideration:
 - Education and marketing
 - Compliance monitoring
 - Regulatory interventions
 - Performance measurement
12. Conduct, review and implement appropriate recommendations regarding the Australian Maritime Safety Authority (AMSA) Incident Analysis Team's review of the Pacific Adventurer Response under the National Plan Arrangements, and the Miller review of the 2009 Pacific Adventurer Oil Spill Response and the Miller review of the Shen Neng 1 incident from an emergency management context
13. Participate in the National Plan review being conducted by AMSA to ensure that Queensland interests are appropriately represented, including response arrangements, cost recovery arrangements, and storage and maintenance of National Plan Equipment

Significant initiatives and activities to support the delivery of these priority actions include:

- Review and implement agreed recommendations arising from *Review of Sewage Compliance Audits of Declared Ships* – Maritime Services Branch
- Develop Marine Infringement Notices for ship-sourced pollution – Maritime Services Branch
- Raise awareness and improve the understanding of marine pollution response arrangements within disaster management groups – Maritime Services Branch
- Represent the department and provide input into the review of Australia's National Plan to Combat Pollution of the Sea by Oil and Other Noxious and Hazardous Substances – Maritime Services Branch
- Work with and assist internal and external stakeholders to develop and deliver education and marketing services which support marine pollution prevention initiatives – Executive Services and Compliance Branch
- Provide investigative, enforcement and compliance services to support pollution prevention initiatives – Executive Services and Compliance Branch

Did you know?

On the water, everywhere is an intersection – keep a proper lookout

Traffic on the water does not just come from one direction, it can come from anywhere. Skippers can use different methods to help them be aware of where they are going and their surroundings.

Use all available means to watch out for other vessels on the water. Your passengers can also help keep a lookout. Remember, your eyes are the best way to navigate.

For more information go to www.msq.qld.gov.au

Strategic Priority 3: Managing Maritime Safety Outcomes

We are committed to the safety of vessels and their operations. We are responsible for the application of the *Transport Operations (Marine Safety) Act 1994*. We focus our efforts on facilitating a safety culture in Queensland and ensuring the safety of the recreational, commercial and trade fleets.



We are working with industry to ensure that situations such as this are minimised and that vessel operators have Safety Management Systems in place.

Priority Actions for 2011-12:

14. Prepare for and transition commercial vessel safety management in Queensland to a national maritime safety regulatory framework (ie a Single National Jurisdiction)
15. Develop a package of regulatory enhancements for recreational boating safety in Queensland
16. Develop and implement specific programs and initiatives to improve the safety of commercial and fishing vessels and their operations
17. Develop and implement programs to improve the safety of vessels and their operations in the Northern Peninsula Area and across the Torres Strait
18. Develop and implement regulatory and operational reform initiatives for higher risk commercial-vessel activities including hire and drive personalised watercraft (PWCs), thrill ride vessels and commercial white water rafting

Significant initiatives and activities to support the delivery of these priority actions include:

- Project manage the implementation of Australian Transport Council endorsed national standards for the safety of commercial and fishing vessels and their operations in Queensland – Safety Standards Branch
- Ongoing communication of national maritime safety regulatory framework messages to industry – Executive Services and Compliance Branch
- Manage the effective delivery and continuous improvement of Maritime Safety Queensland's commercial ship registration and survey and licence training accreditation schemes – Safety Standards Branch
- Implement government endorsed hire and drive PWC safety improvements – Safety Standards Branch
- Review commercial thrill ride operations and related marine incidents to determine if additional operational requirements need to be imposed to ensure safe operations – Safety Standards Branch
- Develop and implement programs to raise awareness of boating safety in the Northern Peninsula Area and across the Torres Strait, through targeted education campaigns in schools and across Island communities, and through delivery of the Boatsafe and occupational health and safety at sea programs across the Torres Strait Islands – Cairns Region, Executive Services and Compliance Branch
- Continue to promote the Torres Strait EPIRB (Emergency Position Indicating Radio Beacons) exchange scheme and carriage of 406 EPIRB models that will increase the efficiency of search and rescue operations – Cairns Region

Did you know?

As the fundamental principle of the Transport Operations (Marine Safety) legislation, **the general safety obligation** transfers the responsibility of safety to owners and operators and encourages risk management.

All owners and operators, masters and crew members must ensure the ship is:

- safe
- properly equipped and crewed
- operated in a safe manner.

For more information go to www.msq.qld.gov.au

Strategic Priority 4: Managing Community and Industry Expectations

We are committed to being a proactive and responsive regulator by adopting a more collaborative approach to achieving safety and environmental outcomes. As a regulator, our preference is to 'educate for compliance' to ensure a safe and viable industry, however, when necessary, enforcement actions will be applied. These could include pursuing prosecutions, removing operator accreditation or a licence, issuing written directions to return to port, or issuing Marine Infringement Notices. We promote a culture of compliance through effective engagement, education and auditing processes and where appropriate rigorous investigation and enforcement of breaches of the law and rules. Our enforcement partnerships with the Queensland Boating and Fisheries Patrol and the Queensland Water Police, are crucial to our compliance efforts.

We maintain strong relationships with the community, industry as well as our enforcement partners to improve the quality of our services and the effectiveness of our safety and pollution prevention and response programs. We will use innovative and proactive ways to distribute information and communicate with our stakeholders. To ensure a consistent and robust approach to our regulatory role we will undertake more collaborative decision-making and will build and strengthen our relationships to foster a shared purpose and vision in order to manage strategic and local priorities and issues.

We are committed to improve access to waterways for recreational boating through the provision of new and upgraded recreational boating facilities across Queensland. We will collaborate with local councils to prioritise the construction of these facilities and coordinate the ongoing structural maintenance to provide access to waterways and amenity for the recreational boating community.



Maritime Safety Queensland provides the boating public with access to Queensland waterways by delivering recreational boating infrastructure for Queenslanders in conjunction with local government, port authorities and private developers.

Did you know?

You must check the weather before you head out – if in doubt, don't go out

Queensland's weather systems are changeable and unpredictable. Good weather is critical for a safe and comfortable trip. Check the forecast when planning a trip, before you leave and while you are on the water.

Remember, weather can change while you are out on the water. Always make sure you have more than enough fuel for your trip. You may need more on your way back if conditions deteriorate and the sea becomes choppy or you have to head to a safe anchorage to wait out a storm.

For more information go to www.msq.qld.gov.au

Priority Actions for 2011-12:

19. Work with Maritime Safety Queensland regions and the fishing, commercial and recreational marine industry and community stakeholders to further develop and sustain improvements to maritime safety culture (through support and encouragement of regional safety culture initiatives and state-wide application of learnings from the Gold Coast Boating Safety Initiative)
20. Develop, implement and deliver an annual boating infrastructure program in partnership with local managing authorities and key stakeholders to reasonably address the recreational public's expectations
21. Assess plan and deliver necessary maintenance works on boating infrastructure impacted by severe weather events
22. Coordinate the development of a sustainable planning approach to waterway management in Queensland; which provides a balance between maintaining the aesthetic quality of waterways with providing fair access to marine users while ensuring navigational safety and environmental sustainability
23. Develop and implement an Enforcement and Prosecution Strategy to ensure state-wide consistency in the enforcement of maritime legislation and regulations, and with regard to the procurement and provision of internal and external legal services in accordance with Department of Transport and Main Roads policy

Significant initiatives and activities to support the delivery of these priority actions include:

- Undertake ongoing siltation checks and survey support for dredging projects and site surveys for potential new or upgraded boat ramp and pontoons – Pilotage and Hydrographic Services Branch
- Research and prepare a whole of government position paper on waterways management – Executive Services and Compliance Branch
- Prepare a legislative and policy action plan to implement the agreed options for improved waterways management in Queensland – Executive Services and Compliance Branch
- Support industry-based marine safety committees and encourage other regional safety culture initiatives - Safety Standards Branch
- Collaborate with Executive Services & Compliance Branch to ensure safety culture considerations and other safety compliance priorities are captured in Enforcement and Prosecution Strategies and processes - Safety Standards Branch
- Facilitate the transition of the Gold Coast Boating Safety Initiative program from project phase to operational phase to ensure the continued monitoring of activities and delivery of boating safety interventions aimed at targeting higher risk locations and activities – Gold Coast Region

Strategic Priority 5: Managing Performance

We are committed to managing our internal capability to support the achievement of safety and environmental outcomes through continuous improvement and evaluation of our performance. The annual risk management cycle informs our planning, prioritisation and decision-making. This risk management approach focuses on internal and external threats and is aligned to our strategic priorities. Maritime Safety Queensland is working to ensure that this risk management approach is further embedded in our operations and enables us to respond quickly to evolving risks and emerging priorities.

We pursue a contemporary approach to workforce management which aligns our workforce and organisational structure to the achievement of our outcomes. Our skills, experience and the commitment of our staff are critical to achieving our outcomes. The recruitment, retention and training of competent and motivated staff remains a high priority for us. We are committed to developing a competent and skilled workforce with the necessary capability to mentor and facilitate the required change in the recreational boating community and maritime industry.

We strive to make reasoned, consistent and transparent decisions. We evaluate the management and quality of our programs and how well they are contributing to the achievement of our outcomes; where there are problems we will identify and implement solutions. We are committed to rigorous planning and prioritisation.



Maritime Safety Queensland officers and the National Response Team used oil booms to trap and contain any fuel oil lost during the oil recovery from the *Shen Neng 1* in 2010. Maritime Safety Queensland values the professionalism, integrity and welfare of our staff.

Priority Actions for 2011-12:

24. Develop Maritime Safety Queensland's financial management capabilities to provide for enhanced financial planning, control and decision making
25. Develop and implement human resource strategies for:
 - Attraction and retention
 - Workplace environment
 - Workforce planning
26. Ensure a safe and healthy work environment in accordance with Department of Transport and Main Roads Workplace Health and Safety framework (including a commitment to zero harm)
27. Conduct a review of the consistent statewide delivery of safety products

Significant initiatives and activities to support the delivery of these priority actions include:

- Support the up-skilling of branch and regional managers in financial management and taking full responsibility for their budgets – Corporate Strategy Branch
- Facilitate the implementation of the single employment category for Marine Officers including the competency based framework – Corporate Strategy Branch
- Develop Maritime Safety Queensland Workforce Plan for 2011-14 – Corporate Strategy Branch
- Enhance processes for induction and probation of new staff – Corporate Strategy Branch
- Implement the Department of Transport and Main Roads Workplace Health and Safety framework, including implementation of new national Workplace Health and Safety legislation – Corporate Strategy Branch
- Implement Working at Heights documentation in accordance with legislation and approved project plan – Corporate Strategy Branch



One of Maritime Safety Queensland's pilot transfer vessels the *Wathan*. All ships that are 50 metres or more proceeding within a Queensland pilotage area must either carry a licensed marine pilot or be under the command of a master who holds a pilotage exemption certificate for the area.

Contact us

Telephone: +61 7 3120 7462

Email: msqmail@msq.qld.gov.au

Mail: Maritime Safety Queensland,
GPO Box 2595,
Brisbane Queensland 4001

Web: www.msq.qld.gov.au



Regional Harbour Master Cairns

Floor 1, 64-66 Tingira Street, Portsmith
PO Box 1787 Cairns Qld 4870
Telephone (07) 4052 7400 Facsimile (07) 4035 1127

Karumba

Lot 75 Yappar Street, Karumba
PO Box 224 Karumba Qld 4891
Telephone (07) 4745 9281 Facsimile (07) 4745 9631

Weipa

1 Iraci Avenue, Weipa
PO Box 489 Weipa Qld 4874
Telephone (07) 4069 7165 Facsimile (07) 4069 9695

Thursday Island

Hastings Street, Thursday Island
PO Box 109 Thursday Island Qld 4875
Telephone (07) 4069 1351 Facsimile (07) 4069 2190

Regional Harbour Master Townsville

Ground Floor, 60 Ross Street, South Townsville
GPO Box 1921 Townsville Qld 4810
Telephone (07) 4726 3400 Facsimile (07) 4721 2028

Regional Harbour Master Mackay

Ground Floor, 14 Discovery Lane,
Mount Pleasant, North Mackay
PO Box 10085 Mt Pleasant Qld 4740
Telephone (07) 4944 3700 Facsimile (07) 4944 3790

Whitsundays

384 Shute Harbour Road, Airlie Beach
PO Box 717 Airlie Beach Qld 4802
Telephone (07) 4946 2200 Facsimile (07) 4946 2233

Regional Harbour Master Gladstone

Floor 2, Centrepoint Building,
136 Goondoon Street, Gladstone
PO Box 123 Gladstone Qld 4680
Telephone (07) 4973 1200 Facsimile (07) 4972 5520

Bundaberg

Floor 2, 46 Quay Street, Bundaberg
PO Box 476 Bundaberg Qld 4670
Telephone (07) 4131 8500 Facsimile (07) 4131 8550

Hervey Bay

Buccaneer Avenue, Urangan Qld 4655
Telephone (07) 4194 9600 Facsimile (07) 4194 9650

Regional Harbour Master Brisbane

Floor 1, Pinkenba Operations Base, MacArthur Avenue
East,
Pinkenba Qld 4005
Telephone (07) 3860 3500 Facsimile (07) 3860 3571

Sunshine Coast

Old Pilot Station, Parkyn Road, Mooloolaba
PO Box 1094 Mooloolaba Qld 4557
Telephone (07) 5477 8425 Facsimile (07) 5444 6697

Regional Manager Gold Coast

Ground Floor, 40-44 Seaworld Drive, Main Beach
PO Box 107 Southport Qld 4125
Telephone (07) 5539 7300 Facsimile (07) 5539 7388