

Priority port master planning

Evidence base documentation

Addendum to evidence base

Priority Port of Gladstone

Queensland | Australia | January 2017

The Department of State Development

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**Priority Port of Gladstone master
planning**

Addendum to the evidence base

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*Bringing ideas
to life*

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1 Introduction

1.1 Port master planning

The Queensland Government is currently advancing master planning for the priority ports of Gladstone, Abbot Point, Townsville, and Hay Point/Mackay in accordance with the *Sustainable Ports Development Act 2015* (Qld) (Ports Act).

Master planning for priority ports is one of the port-related actions of the Reef 2050 Long-Term Sustainability Plan (Reef 2050), and is mandated under the Ports Act. Priority port master planning has a timeframe up to 2050 to align with the Reef 2050 (DSD 2016a).

Through port master planning, the Queensland government seeks to effectively manage the land and marine areas needed for the efficient development and operation of the priority ports, while ensuring that the Outstanding Universal Value (OUV) of the Great Barrier Reef World Heritage Area (GBRWHA) is an intrinsic consideration in port development, management and governance (DSD 2016a).

The overarching purpose of master planning for each of Queensland's priority ports is to:

- Define a long term strategic vision, objectives and desired outcomes for each port master planned area
- Identify the state interests in relation to the priority ports and articulate how those interests are to be considered in all planning decisions made within each port master planned area
- Present an environmental management framework (EMF) that states priority management measures (PMMs) for managing potential impacts on environmental values in the master planned area and surrounding areas in accordance with principles of ecologically sustainable development (ESD).

As part of master planning, the Ports Act prescribes the requirement for a port overlay to be made for each master planned area. The port overlay is a regulatory tool to implement the master plan over the master planned area.

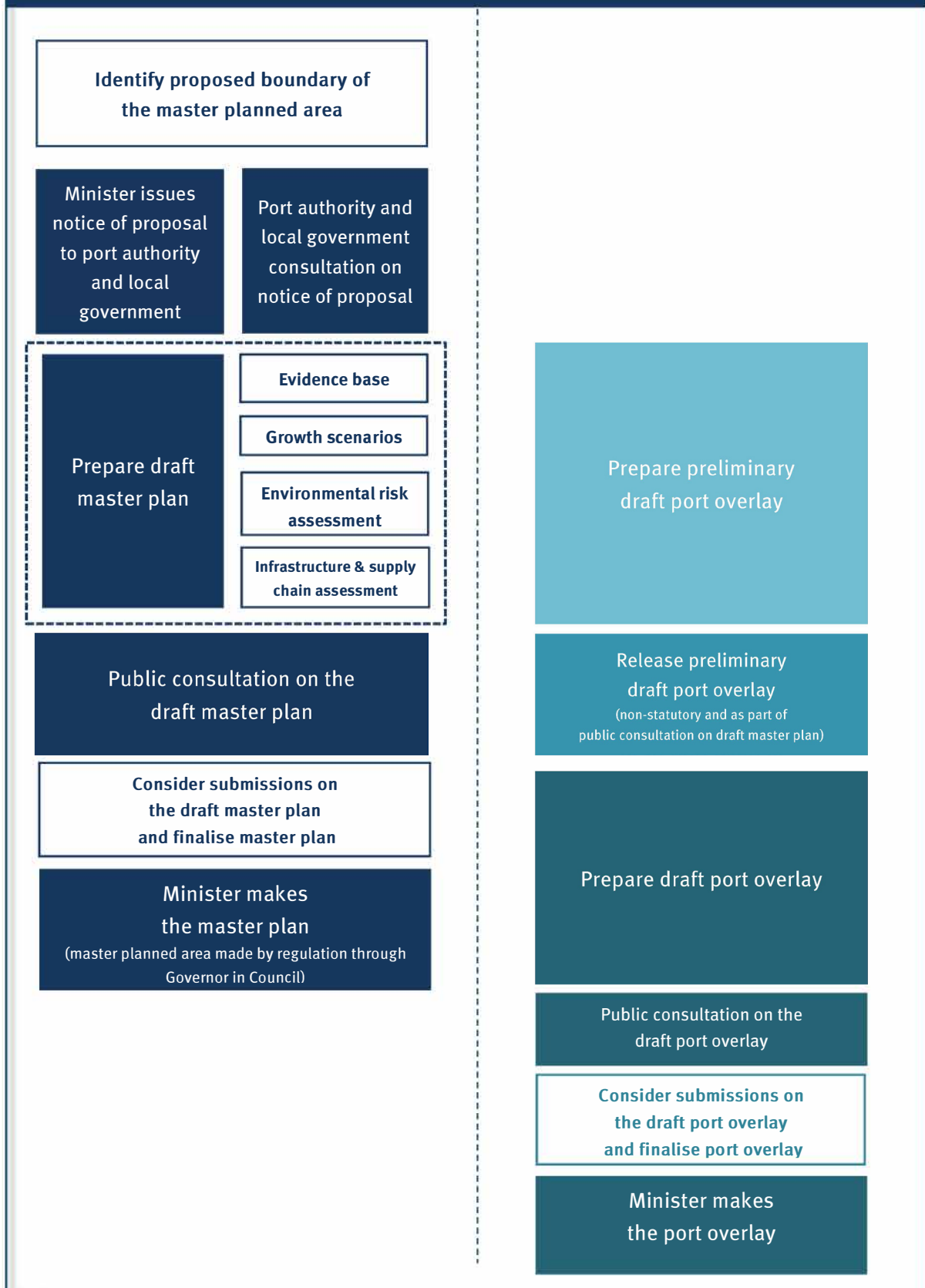
1.2 Master planning for the priority Port of Gladstone

The priority Port of Gladstone is located within the GBRWHA and is Queensland's largest multi-cargo port and the fifth largest coal export terminal in the world (by throughput). The port is located within a diverse region containing a range of urban communities, major industrial precincts and environmental values of international importance. There is significant opportunity for continued growth in the import and export of a range of commodities to Australia and the world, with the Port of Gladstone playing a pivotal role in the future growth of the national port trade. The Gladstone Ports Corporate (GPC) is the relevant port authority, responsible for the operation and management of the Port of Gladstone under the *Transport Infrastructure Act 1994* (Qld) (Transport Infrastructure Act).

The Department of State Development (DSD) is currently progressing preparation of a draft master plan for the priority Port of Gladstone. In parallel with DSD's preparation of the master plan, Aurecon has been commissioned by DSD to prepare a preliminary draft port overlay for the priority Port of Gladstone.

Figure 1 details the current master planning process for Gladstone, including the parallel processes associated with the master plan and port overlay.

Priority Port of Gladstone master planning—indicative process



1.3 Evidence base for the priority Port of Gladstone

As part of the master planning process, DSD has developed an evidence base to support and inform the preparation of the master plan and port overlay for the priority Port of Gladstone. The evidence base collates information on the economic, environmental, community and cultural aspects of the priority Port of Gladstone. The evidence base supports the master planning process and includes:

- Evidence Base Report for the Proposed Gladstone Port Master Planned Area (AECOM 2016)
- Priority Port of Gladstone growth scenarios (DSD 2016a)
- Priority Port of Gladstone master planning – Infrastructure and Supply Chain Requirements Assessment (PSA Consulting 2016)
- Priority Port of Gladstone master planning – Risk Assessment (Aurecon 2016).

1.4 Purpose and content of this addendum

During the preparation of the master plan and preliminary draft port overlay additional evidence base investigations, analysis and reporting were required in the following areas:

- Identifying and mapping the local expression of the OUV of the GBRWHA within the master planned area and surrounding areas (refer Part A)
- Identifying and mapping the existing environmental values monitoring and reporting programs that operate within the master planned area and surrounding areas (refer Part B)
- Further assessment of the infrastructure and supply chain requirements (refer Part C), in particular supporting port infrastructure (marine and landside) for the evidence base growth scenario 3 (port throughput of 294 million tonnes per annum (Mtpa)), including:
 - Potential port throughput by specific commodity and description of the corresponding marine infrastructure and shipping requirements
 - Potential marine infrastructure requirements for growth scenario 3 (ie potential berth numbers, locations, capital dredging requirements and dredged material placement requirements)
 - Potential port supply chain linkages and infrastructure corridors required to support the port growth
 - Discussion on port optimisation principles and processes relevant to the Port of Gladstone
 - Key issues to consider in the master planning process
- Revising the evidence base risk assessment based on the outcomes of the additional evidence base investigations, analysis and reporting (refer Part D)
- Identifying the evidence base key issues that have been incorporated into master planning (refer Part E).

1.5 References

AECOM 2016, Evidence Base Report for the Proposed Gladstone Port Master Planned Area, Prepared for the Queensland Department of State Development, AECOM, Brisbane

Aurecon 2016 Priority Port of Gladstone master planning – Risk assessment, Prepared for the Queensland Department of State Development, Aurecon, Brisbane

Department of State Development (DSD) 2016a, *Draft master plan for the priority Port of Gladstone*, State of Queensland, Department of State Development, Brisbane.

Department of State Development (DSD) 2016b, *Guideline: master planning for priority ports*, State of Queensland, Department of State Development, Brisbane

PSA Consulting 2016, Priority Port of Gladstone Master Planning – Infrastructure and Supply Chain Requirements Assessment Final Report, prepared for the Queensland Department of State Development, PSA Consulting, Brisbane