

Appendix A Director-General's requirements checklist

Director-General's requirements checklist

Issue Number	Director-General's Requirement	Environmental assessment reference
1	Executive Summary	Executive Summary
2	A description of the project including: <ul style="list-style-type: none"> route alignment of the project, including an indication of areas for widened or new carriageways, on/ off ramps, breakdown lanes and associated and ancillary facilities; key design elements of the project, including carriageway, bridging works and connections with existing road infrastructure; and construction facilities, including construction compounds, lay-down areas and spoil stockpiling/ management areas. 	<p>Sections 4.1 and 4.2</p> <p>Section 4.3</p> <p>Section 4.4</p>
3	An assessment of the key issues , with the following aspects addressed for each key issue (where relevant): <ul style="list-style-type: none"> description of the existing environment; assessment of the potential impacts (both direct and indirect) of the project for both construction and operation stages, in accordance with relevant policies and guidelines; identification of how relevant planning, land use and development matters, (including relevant strategic and statutory matters), have been considered in the impact assessment and/ or in developing management/ mitigation measures; and description of measures to be implemented to avoid, minimise, manage, mitigate, offset and/or monitor the impacts of the project and any residual impacts. 	<p>Chapter 7.</p> <p>Each key issue addresses the required aspects.</p>
4	A draft Statement of Commitments incorporating or otherwise capturing measures to avoid, minimise, manage, mitigate, offset and/or monitor impacts identified in the impact assessment sections of the Environmental Assessment. The Statement of Commitments must clearly articulate the desired environmental outcome of the commitment. The Statement of Commitments must be achievable, measureable (with respect to compliance), and time-specific, where relevant.	Chapter 10
5	Certification by the author of the Environment Assessment that the information contained in the Assessment is neither false nor misleading.	Statement of Validity
Key Issues		
	Strategic Justification and Project – the Environmental	Chapter 2

Issue Number	Director-General's Requirement	Environmental assessment reference
	Assessment must outline the strategic outcomes for the Pacific Highway Upgrade Program (PHUP), including with respect to strategic need and justification, the aims and objectives of relevant State planning policies, the principles of Ecologically Sustainable Development, and cumulative and synergistic impacts associated with the Program as a whole. The Environmental Assessment must identify how the project fits within these strategic outcomes and how impacts associated with the project will be considered and managed to achieve acceptable environmental planning outcomes across the PHUP.	Chapter 11
	Project Justification – the Environmental Assessment must describe the need for and objectives of the project; alternatives considered (including an assessment of the environmental costs and benefits of the project relative to alternatives), and provide justification for the preferred project taking into consideration the objects of the <i>Environmental Planning and Assessment Act 1979</i> . The Environmental Assessment must also indicate how the project fits in the context of separate future works to be undertaken for the Wells Crossing to Iluka Road Pacific Highway Upgrade project.	Chapter 2 Chapter 3 Chapter 11
	Impacts on Ecology – the Environmental Assessment must include an assessment of the potential ecological impacts of the project, with specific reference to the need for vegetation clearing and the associated habitat and connectivity implications for the range of species present. The Environmental Assessment must make specific reference to impacts on threatened species, populations and communities, particularly the Square-fruited Ironbark (<i>Eucalyptus tetrapleura</i>) and Weeping paperbark (<i>Melaleuca irbyana</i>). The Environmental Assessment must also make specific reference to impacts on the ecology of the Glenugie State Forest. Assessment of ecological impacts must be undertaken in accordance with the guidance provided in draft <i>Guidelines for Threatened Species Assessment under Part 3A</i> (DECC, 2006) and <i>Significant Impact Guidelines</i> (DEWHA, 2006), as relevant.	Section 7.1 Appendix D
	Impacts on Channel Structure – Receiving environments – the Environmental Assessment must include a geomorphic assessment of channel structure for all receiving waterways. The assessment must consider potential increase in the frequency and intensity of storm events and increased runoff from paved surfaces to determine potential impacts on the structural integrity of receiving environments. The assessment should also consider the potential impacts of flow concentration due to all proposed (and existing) drainage structures with respect to the above. The	Section 7.2

Issue Number	Director-General's Requirement	Environmental assessment reference
	scope of assessment is to include all ephemeral drainage lines likely to receive increased or concentrated runoff from the development in addition to Glenugie Creek, the main receiving waterway, for the length of the proposed development (CH4415 – CH8500).	
	Operational Traffic and Transport Implications – the Environmental Assessment must include an assessment of the operational impacts of the project on the surrounding road network, safety implications for the Pacific Highway and relevant local roads, and impacts on local property access.	Section 7.3
	Operational Noise Impacts – the Environmental Assessment must include an assessment of the noise impacts of the project during operation, consistent with the guidance provided in <i>Environmental Criteria for Road Traffic Noise</i> (EPA, 1999). The assessment must include specific consideration of impacts to sensitive receivers (schools, hospitals, aged care facilities) and sensitive structures, as relevant.	Section 7.4 Appendix F
	Aboriginal Cultural Heritage – the Environmental Assessment must include an assessment of the potential Aboriginal cultural heritage impacts of the project, including an assessment of objects, places of significance, natural and landscape values of the corridor and surrounding area, taking into account the <i>Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation</i> (DEC, July 2005).	Section 7.5 Appendix E
	<p>General Construction Impacts – the Environmental Assessment must consider the potential impacts associated with the construction of the project, and present a management framework for construction works to ensure that impacts are mitigated, monitored and managed. The Environmental Assessment must include consideration of, and a management framework for:</p> <ul style="list-style-type: none"> ■ construction noise and vibration, including a considered approach to scheduling construction works having regard to the nature of construction activities (including transport, blasting and tonal or impulsive noise-generating works), the intensity and duration of noise and vibration impacts, the nature, sensitivity and impact to potentially-affected human receivers and structures, the need to balance timely conclusion of noise and vibration-generating works with periods of receiver respite, and other factors that may influence the timing and duration of construction activities (such as traffic or spoil management). The Environmental Assessment must also present a strategy for 	<p>Section 7.6 Section 7.6.4 Appendix G</p> <p>Section 7.6.1</p>

Issue Number	Director-General's Requirement	Environmental assessment reference
	<p>The Environmental Assessment must reflect an appropriate and justified level of consultation with relevant stakeholders during the preparation of the Environmental Assessment, including:</p> <ul style="list-style-type: none"> ■ the Department of Environment and Climate Change; ■ the Department of Water and Energy; ■ the Department of Primary Industries; ■ Clarence Valley Council; and ■ relevant public stakeholders, including special interest groups and affected landowners. <p>The Environmental Assessment must outline the consultation process, document all community consultation undertaken to date and identify the issues raised (including where these have been addressed in the Environmental Assessment).</p>	Chapter 6

