

## Appendix C

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Checklist of Director-General's  
Requirements



Table C-1 Checklist of Director-General's Requirements

Issues raised	Reference in environmental assessment
<b>General requirements</b>	
An <b>executive summary</b> .	Executive summary
A <b>detailed description</b> of the project including:	Chapters 5 and 6
▪ Route alignment and corridor width.	Sections 5.3.2
▪ Design elements (eg construction of temporary crossings, bridges, culverts, creek diversions, pedestrian and cyclist facilities etc.).	Sections 5.3.3 to 5.3.11, 6.6.3
▪ Potential staging.	Section 6.2.1
▪ Ancillary facilities (eg compound site, batching plants etc.).	Section 6.6
▪ Resourcing (eg construction material needs, spoil disposal, natural resource consumption including water etc.).	Section 6.3
An <b>assessment of key issues</b> , with the following aspects addressed for each key issue (where relevant):	Chapter 9 Technical Papers (Volume 2)
▪ Describe the existing environment.	
▪ Assess the potential impacts of the proposal (direct, indirect and cumulative) at both construction and operation stages, in accordance with relevant policies and guidelines.	
▪ Identify 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.	
▪ Describe measures to be implemented to avoid, minimise, manage, mitigate, offset and/or monitor the impacts of the project and the residual impacts.	
A <b>draft Statement of Commitments (SoC)</b> . The SoC must incorporate or otherwise capture all measures to avoid, minimise, manage, mitigate, offset and/or monitor impacts identified in the impact assessment sections of the EA and ensure that the wording of the SoC clearly articulates the desired environmental outcome of the commitment. The SoC must be achievable, measurable (with respect to compliance) and time specific where relevant.	Chapter 11
<b>Certification</b> by the author of the EA that the information contained in the assessment is neither false nor misleading.	Statement of validity
<b>Key issues</b>	
<b>Strategic justification</b> — describe the strategic need, justification and objectives for the project, and consistency with the aims and objectives of relevant National and State planning policies and provisions, such as the <i>National Land Transport Plan</i> (Auslink) and <i>State Infrastructure Strategy — New South Wales 2006-07 to 2015-16</i> .	Chapter 3
<b>Project justification</b> — describe the alternatives considered and justification for the preferred project taking into consideration the objects of the <i>Environmental Planning and Assessment Act 1979</i> and the following:	Chapters 4 and 12
▪ The environmental, social and economic impacts of the project.	Sections 12.1, 12.2
▪ The suitability of the site.	Sections 12.1, 12.2
▪ Whether or not the project is in the public interest.	Sections 12.1, 12.2, 12.3

Issues raised	Reference in environmental assessment
<b>Traffic and transport</b> — including, but not limited to:	
<ul style="list-style-type: none"> <li>▪ Demonstrate how the preferred route and road design meets the traffic and transport objectives for the project, particularly with respect to increasing infrastructure handling capacity and efficiency, and improving transport productivity on nationally strategic and export-oriented freight corridors.</li> </ul>	Sections 3.3, 9.7.1, 9.7.4, 12.1.1 Technical Paper 7 (Volume 2)
<ul style="list-style-type: none"> <li>▪ Opportunity for the provision of a heavy vehicles inspection point, for compliance with the <i>Road and Rail Transport (Dangerous Goods) Act 1997</i>.</li> </ul>	Section 9.7.4
<ul style="list-style-type: none"> <li>▪ Construction traffic impacts, including spoil haulage routes.</li> </ul>	Section 9.7.3 Technical Paper 7 (Volume 2)
<ul style="list-style-type: none"> <li>▪ Operational traffic and transport impacts to the local and regional road network, road users and travelling stock routes.</li> </ul>	Section 9.7.4 Technical Paper 7 (Volume 2)
<ul style="list-style-type: none"> <li>▪ Opportunity for the provision of cycle way connections along the highway and to adjoining communities.</li> </ul>	Section 9.7.4 Technical Paper 7 (Volume 2)
<b>Flora and fauna</b> — including, but not limited to:	
<ul style="list-style-type: none"> <li>▪ Terrestrial and aquatic flora and fauna impacts, including vegetation loss, weed infestation, habitat fragmentation and impacts to wildlife corridors.</li> </ul>	Section 9.1.3 Technical Paper 1 (Volume 2)
<ul style="list-style-type: none"> <li>▪ Threatened terrestrial and aquatic species, populations, ecological communities and/or critical habitat, consistent with the <i>Draft Guidelines for Threatened Species Assessment</i> (DEC and DPI, 2005).</li> </ul>	Sections 9.1.2, 9.1.3 Technical Paper 1 (Volume 2)
<ul style="list-style-type: none"> <li>▪ Targeted surveys of threatened flora and fauna species, including White Box, Yellow Box, Blakely's Red Gum Woodland, Squirrel Glider and Brown Treecreeper.</li> </ul>	Sections 9.1.1, 9.1.2 Technical Paper 1 (Volume 2)
<b>Aboriginal heritage</b> — including but not limited to:	Sections 7.3.1, 9.2.1, 9.2.3, 9.2.4 Technical Paper 2 (Volume 2)
<ul style="list-style-type: none"> <li>▪ Objects, sites, natural and landscape values of the corridor and surrounding area, taking into account the <i>Draft Guidelines for Aboriginal Cultural Heritage Assessment and Community Consultation</i> (DEC, 2005).</li> </ul>	
<b>Noise and vibration</b> — including but not limited to:	
<ul style="list-style-type: none"> <li>▪ Construction noise and vibration, including construction traffic noise.</li> </ul>	Section 9.5.5 Technical Paper 6 (Volume 2)
<ul style="list-style-type: none"> <li>▪ Operational road traffic noise impacts including consideration of local meteorological conditions (as relevant).</li> </ul>	Section 9.5.4 Technical Paper 6 (Volume 2)
<ul style="list-style-type: none"> <li>▪ The assessment must take into account the following guidelines as relevant: <i>Environmental Criteria for Road Traffic Noise</i> (EPA, 1999), <i>Environmental Noise Management Manual</i> (RTA, 2001), <i>Draft New South Wales Construction Noise Guideline</i> (formerly published as Chapter 171 of the EPA's <i>Environmental Noise Control Manual</i>), <i>Assessing Vibration: A Technical Guideline</i> (DEC, 2006), and <i>Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration</i> (ANZECC, 1990).</li> </ul>	Sections 9.5.1, 9.5.2, 9.5.3 Technical Paper 6 (Volume 2)
<i>DGR clarification issued on 29 May 2009:</i>	Section 9.5.5 Technical Paper 6 (Volume 2)
<ul style="list-style-type: none"> <li>▪ The <i>Draft New South Wales Construction Noise Guidelines</i> have not been finalised. Accordingly, the Director-General requires that the construction noise assessment take into account chapter 171 of the <i>Environmental Noise Control Manual</i>.</li> </ul>	

Issues raised	Reference in environmental assessment
<b>Hydrology</b> — including but not limited to:	
<ul style="list-style-type: none"> <li>Site water demands and impacts on water sources and users.</li> </ul>	Sections 6.3, 9.4 Technical Papers 4, 5 (Volume 2)
<ul style="list-style-type: none"> <li>Impacts to watercourses, riparian corridors and groundwater dependent ecosystems.</li> </ul>	Sections 9.1.3, 9.4.3, 10.1.3, 10.1.4 Technical Papers 4, 5 (Volume 2)
<ul style="list-style-type: none"> <li>Changes to existing flood regimes and characteristics, taking into account the <i>NSW Floodplain Development Manual</i> (2005).</li> </ul>	Section 9.4.3 Technical Paper 4 (Volume 2)
<b>Social and economic</b> — including but not limited to:	
<ul style="list-style-type: none"> <li>Local community socio-economic impacts associated with traffic, property and amenity related changes.</li> </ul>	Sections 9.6.2, 9.6.3
<ul style="list-style-type: none"> <li>Business (including agribusinesses) impacts including the overall viability, profitability, productivity and sustainability of businesses.</li> </ul>	Sections 9.6.2, 9.6.3
<b>Environmental risk analysis (ERA)</b> — notwithstanding the above key assessment requirements, the EA must include an environmental risk analysis to identify potential environmental impacts associated with the project (construction and operation), proposed mitigation measures and potentially significant residual environmental impacts after the application of proposed mitigation measures. Where additional key environmental impacts are identified through this environmental risk analysis, an appropriately detailed impact assessment of this additional key environmental impact must be included in the EA.	Chapter 8
<b>Consultation</b>	
Undertake an appropriate and justified level of consultation with relevant parties during the preparation of the EA, including:	Sections 4.1, 7.3, 7.4
<ul style="list-style-type: none"> <li>Local, State or Commonwealth government authorities and service providers including the Department of Environment and Climate Change, the Department of Primary Industries, the Department of Water and Energy and Wagga Wagga City Council.</li> </ul>	Chapter 7
<ul style="list-style-type: none"> <li>Specialist interest groups, including Local Aboriginal Councils.</li> </ul>	
<ul style="list-style-type: none"> <li>The public, including affected land owners.</li> </ul>	
The EA must describe the consultation process, document all community consultation undertaken to date and identify the issues raised (including where these have been addressed in the EA).	

Table C-2 Checklist of relevant guidelines

Issues raised	Reference in environmental assessment
Flora and fauna	
<i>Draft Guidelines for Threatened Species Assessment</i> (DEC and DPI, 2005)	Section 9.1 Technical Paper 1 (Volume 2)
Heritage	
<i>Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation</i> (DEC, 2005)	Section 9.2 Technical Paper 2 (Volume 2)
<i>Aboriginal Cultural Heritage: Standards and Guidelines</i> (DEC, 2005)	
Noise and vibration	
<i>Environmental Criteria for Road Traffic Noise</i> (EPA, 1999)	Section 9.5 Technical Paper 6 (Volume 2)
<i>Environmental Noise Management Manual</i> (RTA, 2001)	Section 9.5 Technical Paper 6 (Volume 2)
<i>Draft New South Wales Construction Noise Guideline</i> (DECC, 2008)	Not applicable.
<i>Assessing Vibration: A Technical Guideline</i> (DEC, 2006)	Section 9.5 Technical Paper 6 (Volume 2)
<i>Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration</i> (ANZECC, 1990)	Section 9.5 Technical Paper 6 (Volume 2)
Water	
<i>NSW Inland Groundwater Water Shortages Zone Order No's 1 and 2, 2008</i>	Section 9.4 Technical Paper 5 (Volume 2)
<i>NSW Floodplain Development Manual</i> (DIPNR, 2005)	Section 9.4 Technical Paper 4 (Volume 2)