



Vehicle Standard (Australian Design Rule 83/00 — External Noise) 2005

as amended

made under section 7(1) of the

Motor Vehicle Standards Act 1989

Compilation start date: 6 November 2013

Includes amendments up to: *Vehicle Standard (Australian Design Rule 83/00 — External Noise) 2005 Amendment 3*

Volume 1 contains Clauses 0.1–6 and the Notes
Volume 2 contains Appendix A
Volume 3 contains Appendix B
Volume 4 contains Appendix C

Prepared by Department of Infrastructure and Regional Development, Canberra

About this compilation

This compilation

This is a compilation of the *Vehicle Standard (Australian Design Rule 83/00 — External Noise) 2005* as in force on 6 November 2013. It includes any commenced amendment affecting the legislation to that date.

This compilation was prepared on 5 November 2013.

The notes at the end of this compilation (the *endnotes*) include information about amending laws and the amendment history of each amended provision.

Uncommenced amendments

The effect of uncommenced amendments is not reflected in the text of the compiled law but the text of the amendments is included in the endnotes.

Application, saving and transitional provisions for provisions and amendments

If the operation of a provision or amendment is affected by an application, saving or transitional provision that is not included in this compilation, details are included in the endnotes.

Modifications

If a provision of the compiled law is affected by a modification that is in force, details are included in the endnotes.

Provisions ceasing to have effect

If a provision of the compiled law has expired or otherwise ceased to have effect in accordance with a provision of the law, details are included in the endnotes.

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0.1 NAME OF STANDARD [see Note 1]

0.1.1 This Standard is the *Vehicle Standard (Australian Design Rule 83/00 – External Noise) 2005*.

0.1.2 This Standard may also be cited as ADR 83/00.

0.2 COMMENCEMENT [see Note 1]

0.2.1 This Standard commences on the day after it is registered.

0.3 REPEAL

0.3.1 This Standard repeals each vehicle standard with the name ADR 83/00, and each amendment of such a standard, that is:

- (a) made under section 7 of the *Motor Vehicles Standard Act 1989*; and
- (b) in force at the commencement of this Standard.

0.3.2 This Standard also repeals each instrument made under section 7 of the *Motor Vehicles Standard Act 1989* that creates or amends a vehicle standard with the name ADR 83/00, if there are no other vehicle standards created by that instrument that are still in force at the commencement of this Standard.

1 SCOPE

1.1 This vehicle standard defines limits on external noise generated by motor vehicles, motor cycles and mopeds in order to limit the contribution of motor traffic to community noise.

2 APPLICABILITY AND IMPLEMENTATION

2.1 This vehicle standard applies to all L, M and N category vehicles as provided in clauses 2.2 and 2.3.

2.2 This vehicle standard applies to M and N category vehicles:

2.2.1 from 1 January 2005 in relation to:

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- 2.2.1 A new model vehicles produced on or after 1 January 2005 with an engine that operates on petrol and
 - 2.2.1B new model vehicles produced on or after 1 January 2005 with an engine that operates on liquefied petroleum gas or natural gas and with a GVM less than or equal to 3.5 tonnes;
 - 2.2.2 from 1 January 2006 in relation to:
 - 2.2.2 A new model vehicles produced on or after 1 January 2006 with an engine that operates on diesel and with a GVM less than or equal to 3.5 tonnes;
 - 2.2.3 from 1 January 2007 in relation to:
 - 2.2.3A new model vehicles produced on or after 1 January 2007 with an engine that operates on diesel, liquefied petroleum gas or natural gas and with a GVM greater than 3.5 tonnes;
 - 2.2.3B vehicles produced on or after 1 January 2007 with an engine that operates on petrol other than new model vehicles referred to in clause 2.2.1; and
 - 2.2.3C vehicles produced on or after 1 January 2007 with an engine that operates on diesel, liquefied petroleum gas or natural gas and with a GVM less than or equal to 3.5 tonnes, other than new model vehicles referred to in clauses 2.2.1 and 2.2.2;
 - 2.2.4 from 29 February 2008 in relation to vehicles produced on or after 29 February 2008 with an engine that operates on diesel, liquefied petroleum gas or natural gas and with a GVM greater than 3.5 tonnes, other than new model vehicles referred to in clause 2.2.3A;
 - 2.2.5 from 1 January 2014 in relation to vehicles produced on or after 1 January 2014, other than vehicles referred to in clauses 2.2.1, 2.2.2, 2.2.3 and 2.2.4.
 - 2.3 This vehicle standard applies to L category vehicles:
 - 2.3.1 from 1 January 2005 in relation to new model vehicles produced on or after 1 January 2005;
 - 2.3.2 from 1 January 2006 in relation to vehicles produced on or after 1 January 2006 other than new model vehicles referred to in clause 2.3.1.
 - 2.4 For the purposes of:
 - 2.4.1 clauses 2.2.1 and 2.3.1, a “new model vehicle” is a vehicle of a model first produced with a date of manufacture on or after 1 January 2005;
 - 2.4.2 clause 2.2.2, a “new model vehicle” is a vehicle of a model first produced with a date of manufacture on or after 1 January 2006;
 - 2.4.3 clause 2.2.3, a “new model vehicle” is a vehicle of a model first produced with a date of manufacture on or after 1 January 2007.

3 DEFINITIONS

- 3.1 For the purposes of clause 2.4, “date of manufacture” means the date the vehicle is available in Australia in a condition which will enable an identification plate to be lawfully affixed to the vehicle.

4 REQUIREMENTS

- 4.1 M and N category vehicles complying with the technical requirements of Appendix A, as varied by part 5.1 of this vehicle standard, shall be accepted as complying with this vehicle standard.
- 4.2 LC, LD and LE category vehicles complying with the technical requirements of Appendix B, as varied by part 5.2 of this vehicle standard, shall be accepted as complying with this vehicle standard.
- 4.3 LA and LB category vehicles complying with the technical requirements of Appendix C, as varied by part 5.3 of this vehicle standard, shall be accepted as complying with this vehicle standard.

5 EXEMPTIONS AND ALTERNATIVE PROCEDURES

5.1 M and N category vehicles

- 5.1.1 The following provisions of Appendix A are not applicable:

Section 3	Application for Approval
Section 4	Markings
Section 5	Approval
Section 7	Modification and Extension of Approval of a Vehicle Type
Section 8	Conformity of Production
Section 9	Penalties for Non-Conformity of Production
Section 10	Production Definitely Discontinued
Section 11	Transitional Provisions
Section 12	Names and Addresses of Technical Services Responsible for Conducting Approval Tests and of Administrative Departments
Annex 1	Communication
Annex 2	Arrangements of the Approval Mark

- 5.1.2 The sound level limit for M category vehicles with a GVM greater than 3.5 tonnes and an engine power of 150 kW or above is amended as follows:

- 5.1.2A Paragraph 6.2.2.1.2.2 of Appendix A is amended to read ‘Vehicle categories: with an engine power of 150 kW (ECE) or above but less than 320 kW (ECE) Limit values [dB(A)]: 80’.

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- 5.1.2B A new paragraph 6.2.2.1.2.3 that reads ‘Vehicle categories: with an engine power of 320 kW (ECE) or above Limit values [dB(A)]: 83’ is inserted after paragraph 6.2.2.1.2.2 of Appendix A.
- 5.1.3 The sound level limit for N category vehicles with a GVM greater than 3.5 tonnes and an engine power of 150 kW or above is amended as follows:
- 5.1.3A Paragraph 6.2.2.1.4.3 of Appendix A is amended to read ‘Vehicle categories: with an engine power of 150 kW (ECE) or above but less than 320 kW (ECE) Limit values [dB(A)]:80’.
- 5.1.3B A new paragraph 6.2.2.1.4.4 that reads ‘Vehicle categories: with an engine power of 320 kW (ECE) or above Limit values [dB(A)]: 83’ is inserted after paragraph 6.2.2.1.4.3 of Appendix A.
- 5.1.4 The following site specifications for measurement of noise emitted by M and N category vehicles in motion are deemed equivalent to the specifications in paragraph 2.1.1 of Annex 3 to Appendix A and in Annex 8 to Appendix A:
- 5.1.4A The test site shall take the form of an open space of 25m radius having a central part of at least 10m radius which is practically level, consisting of concrete, asphalt or similar material and not covered with powdery snow, tall grass, loose soil, ashes or the like. The test site surface shall be dry and such as not to cause excessive tyre noise. Whilst the test is in progress no person shall be in the measurement area except the observer and the driver. Their presence must have no influence on the meter reading.
- 5.1.5 The following site specifications for measurement of noise emitted by stationary M and N category vehicles are deemed equivalent to the specifications in paragraph 3.2.3 of Annex 3 to Appendix A and in Annex 8 to Appendix A:
- 5.1.5A The test site shall take the form of an open space where a rectangle with sides no closer than 3m from the extremities of the vehicle can be described. The test site surface should be dry and practically level, consisting of concrete, asphalt or similar material and not covered with powdery snow, tall grass, loose soil, ashes or the like. Whilst testing is in progress no person other than any occupants of the vehicle shall be within 1m of the microphone in use. No person or object other than the person conducting the test and an observer or the objects necessary for the performance of the test shall be within 3m of the microphone in use.
- 5.1.6 The definition for ‘S’ in paragraph 3.1.2.1 of Annex 3 to Appendix A is amended to read ‘S: engine rotation speed at which maximum power is developed’.
- 5.1.7 Paragraph 3.2.5.3.2.1 of Annex 3 to Appendix A is amended to read ‘The engine is operated at a constant speed having the following value: $\frac{3}{4}$ S for both controlled ignition engines and for diesel engines. If the vehicle cannot reach the engine speed $\frac{3}{4}$ S, the target engine speed shall be 5 per cent below the maximum possible engine speed for that stationary test’.
- 5.1.8 Paragraph 1 of Annex 5 to Appendix A is amended by inserting the words ‘of Annex 3’ after the words ‘paragraphs 3.1 and 3.2’.
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5.2 LC, LD and LE category vehicles

5.2.1 The following provisions of Appendix B are not applicable:

Section 3	Application for Approval
Section 5	Approval
Section 7	Modification and Extension of the Approval of the Motorcycle Type or of the Type of Exhaust or Silencing System(s)
Section 8	Conformity of Production
Section 9	Penalties for Non-Conformity of Production
Section 10	Production Permanently Discontinued
Section 11	Names and Addresses of Technical Services Responsible for Conducting Approval Tests and of Administrative Departments
Section 12	Transitional Provisions
Annex 1	Communication
Annex 2	Arrangements of the Approval Marks

5.2.2 Paragraph 4.1.3 of Appendix B is amended by inserting ‘if applicable’ before the words ‘the approval mark’.

5.2.3 Paragraph 4.1.4 of Appendix B is amended by omitting ‘All original silencers must be bear’ and inserting ‘All original silencers must bear, if applicable,’.

5.2.4 Paragraph 4.1.5 of Appendix B is amended by inserting ‘,if applicable,’ after the words ‘the ‘E’ mark’.

5.2.5 The following site specifications for measurement of noise emitted by LC, LD and LE category vehicles in motion are deemed equivalent to the specifications in paragraph 1.3.2 of Annex 3 to Appendix B and in Annex 4 to Appendix B:

5.2.5A The test site shall take the form of an open space of 50m radius having a central part of at least 10m radius which is practically level, consisting of concrete, asphalt or similar material and not covered with powdery snow, tall grass, loose soil, ashes or the like. The test site surface shall be dry and such as not to cause excessive tyre noise. Whilst the test is in progress no person shall stand in the measurement area, except the observer and the rider. Their presence must have no influence on the meter reading.

5.2.6 Subparagraph 6.1.1(b) of Appendix B is amended by inserting ‘, if applicable’ at the end of that subparagraph.

5.2.7 A new paragraph 6.2.1.1A that reads ‘Despite paragraph 6.2.1.1, the noise made by a motor cycle where an internal combustion engine does not operate when the motor cycle is stationary is not required to be measured for the motor cycle when stationary’ is inserted after paragraph 6.2.1.1 of Appendix B.

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- 5.2.8 Paragraph 6.2.1.3 of Appendix B is amended by adding at the end of the paragraph the words ‘However, the noise level for a motor cycle where an internal combustion engine does not operate when the motor cycle is stationary shall not exceed 75 dB(A).’.
- 5.2.9 Paragraph 1.4.3 of annex 3 to Appendix B is amended by inserting the words ‘where applicable, or, if the motor cycle does not have a gearbox, at the speed obtained by applying paragraph 1.4.3.2.1.1 to the motor cycle’ after the words ‘1.4.3.1 and 1.4.3.2’.
- 5.2.10 Paragraph 1.4.3.1.2.2 of annex 3 to Appendix B is amended by omitting the word ‘and’ after the words ‘not exceeding 175 cm³’ and inserting in its place the words ‘, or motorcycles where an internal combustion engine does not operate when the motorcycle is stationary, which are fitted with’.

5.3 **LA and LB category vehicles**

- 5.3.1 The following provisions of Appendix C are not applicable:

Section 3	Application for Approval
Section 5	Approval
Section 7	Modifications and Extension of the Approval of the Moped Type or of the Type of Exhaust or Silencing System(s)
Section 8	Conformity of Production
Section 9	Penalties for Non-Conformity of Production
Section 10	Transitional Provisions
Section 11	Production Definitely Discontinued
Section 12	Names and Addresses of Technical Services Responsible for Conducting Approval Tests, and of Administrative Departments
Annex 1	Communication
Annex 2	Arrangements of Approval Marks

- 5.3.2 The following site specifications for measurement of noise emitted by LA and LB category vehicles in motion are deemed equivalent to the specifications in paragraph 2.1 of Annex 3 to Appendix C and in Annex 5 to Appendix C:

5.3.2A The test site shall take the form of an open space of 50m radius having a central part of at least 10m radius which is practically level, consisting of concrete, asphalt or similar material and not covered with powdery snow, tall grass, loose soil, ashes or the like. The test site surface shall be dry and such as not to cause excessive tyre noise. Whilst the test is in progress no person shall stand in the measurement area, except the observer and the rider. Their presence must have no influence on the meter reading.

- 5.3.3 Paragraph 5.2.3 of Annex 3 to Appendix C is amended by inserting ‘,if applicable,’ after the words ‘the “E” mark’.

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- 5.3.4 A new paragraph 6.2.1.1A that reads ‘Despite paragraph 6.2.1.1, the noise made by a moped where an internal combustion engine does not operate when the moped is stationary is not required to be measured for the moped when stationary’ is inserted after paragraph 6.2.1.1 of Appendix C.

6 ALTERNATIVE STANDARDS

- 6.1 For M and N category vehicles, the technical requirements of United Nations Economic Commission for Europe Regulation No. 51 Uniform Provisions Concerning the Approval of Motor Vehicles Having at Least Four Wheels with Regard to Their Noise Emissions, incorporating the 02 series of Amendments from Supplement 3 onwards, are deemed to be equivalent to the technical requirements of this vehicle standard.
- 6.2 For LC, LD and LE category vehicles, the technical requirements of United Nations Economic Commission for Europe Regulation No. 41 Uniform Provisions Concerning the Approval of Motor Cycles with Regard to Noise, incorporating the 03 series of Amendments, are deemed to be equivalent to the technical requirements of this vehicle standard.
- 6.3 For LA and LB category vehicles, the technical requirements of United Nations Economic Commission for Europe Regulation No. 63 Uniform Provisions Concerning the Approval of Two-Wheeled Mopeds with Regard to Noise, incorporating the 01 series of Amendments, up to and including corrigendum 2 to the 01 series, are deemed to be equivalent to the technical requirements of this vehicle standard.

Endnotes

Endnote 1—About the endnotes

Endnotes

Endnote 1—About the endnotes

The endnotes provide details of the history of this legislation and its provisions. The following endnotes are included in each compilation:

Endnote 1—About the endnotes
Endnote 2—Abbreviation key
Endnote 3—Legislation history
Endnote 4—Amendment history
Endnote 5—Uncommenced amendments
Endnote 6—Modifications
Endnote 7—Misdescribed amendments
Endnote 8—Miscellaneous

If there is no information under a particular endnote, the word “none” will appear in square brackets after the endnote heading.

Abbreviation key—Endnote 2

The abbreviation key in this endnote sets out abbreviations that may be used in the endnotes.

Legislation history and amendment history—Endnotes 3 and 4

Amending laws are annotated in the legislation history and amendment history.

The legislation history in endnote 3 provides information about each law that has amended the compiled law. The information includes commencement information for amending laws and details of application, saving or transitional provisions that are not included in this compilation.

The amendment history in endnote 4 provides information about amendments at the provision level. It also includes information about any provisions that have expired or otherwise ceased to have effect in accordance with a provision of the compiled law.

Uncommenced amendments—Endnote 5

The effect of uncommenced amendments is not reflected in the text of the compiled law, but the text of the amendments is included in endnote 5.

Modifications—Endnote 6

If the compiled law is affected by a modification that is in force, details of the modification are included in endnote 6.

Misdescribed amendments—Endnote 7

An amendment is a misdescribed amendment if the effect of the amendment cannot be incorporated into the text of the compilation. Any misdescribed amendment is included in endnote 7.

Miscellaneous—Endnote 8

Endnote 8 includes any additional information that may be helpful for a reader of the compilation.

Endnote 2—Abbreviation key

ad = added or inserted	pres = present
am = amended	prev = previous
c = clause(s)	(prev) = previously
Ch = Chapter(s)	Pt = Part(s)
def = definition(s)	r = regulation(s)/rule(s)
Dict = Dictionary	Reg = Regulation/Regulations
disallowed = disallowed by Parliament	reloc = relocated
Div = Division(s)	renum = renumbered
exp = expired or ceased to have effect	rep = repealed
hdg = heading(s)	rs = repealed and substituted
LI = legislative instrument	s = section(s)
LIA = <i>Legislative Instruments Act 2003</i>	Sch = Schedule(s)
mod = modified/modification	Sdiv = Subdivision(s)
No = Number(s)	SLI = Select Legislative Instrument
o = order(s)	SR = Statutory Rules
Ord = Ordinance	Sub-Ch = Sub-Chapter(s)
orig = original	SubPt = Subpart(s)
par = paragraph(s)/subparagraph(s) /sub-subparagraph(s)	

Endnotes

Endnote 3—Legislation history

Endnote 3—Legislation history

Name	FRLI registration or gazettal	Commencement	Application, saving and transitional provisions
<i>Vehicle Standard (Australian Design Rule 83/00 — External Noise) 2005</i>	15 Nov 2005 (see F2005L03523)	16 Nov 2005	
<i>Vehicle Standard (Australian Design Rule 83/00 — External Noise) 2005 Amendment 1</i>	21 Feb 2008 (see F2008L00571)	22 Feb 2008	—
<i>Vehicle Standard (Australian Design Rule 83/00 — External Noise) 2005 Amendment 2</i>	2 Dec 2009 (see F2009L04340)	3 Dec 2009	—
<i>Vehicle Standard (Australian Design Rule 83/00 — External Noise) 2005 Amendment 3</i>	5 Nov 2013 (see F2013L01881)	6 Nov 2013	—

Endnote 4—Amendment history

Provision affected	How affected
c 2, hdg	am. F2013L01881
c 2.2.4	rs. F2008L00571, F2013L01881
c 2.2.5	ad. F2013L01881
c 5.2.6	ad. F2013L01881
c 5.2.7	ad. F2013L01881
c 5.2.8	ad. F2013L01881
c 5.2.9	ad. F2013L01881
c 5.2.10	ad. F2013L01881
c 5.3.4	ad. F2013L01881
c 6.1	rs. F2009L04340

Endnotes

Endnote 5—Uncommenced amendments

Endnote 5—Uncommenced amendments

[none]

Endnote 6—Modifications

[none]

Endnote 7—Misdescribed amendments

[none]

Endnote 8—Miscellaneous

[none]