

Changes in Land Transport Rule: Dangerous Goods Amendment 2010

This table explains all significant changes to [Land Transport Rule: Dangerous Goods 2005](#) (the principal rule), which have been introduced by [Land Transport Rule: Dangerous Goods Amendment 2010](#). It does not include all editorial corrections or other minor changes where the effect of the principal rule does not change.

Amendment Rule Clause	Principal Rule clause	Subject	Change	Notes
1.1	—	Title of the amendment Rule	—	
1.2	—	Date when the amendment Rule comes into force	—	The amendment Rule came into force on 1 April 2010. Some new requirements have a transition period before they become mandatory.
2.1	Various clauses, including some definitions and Table A	Incorporation by reference of New Zealand Standard 5433: 2007, Transport of Dangerous Goods on Land	Clauses in which NZS 5433 is incorporated by reference have been updated to refer to the latest version of the Standard, i.e. NZS 5433: 2007.	
2.2	1.5(2) 1.5(2)(b)	Interpretation of Rule provisions	The abbreviation for 'Not Otherwise Specified' has been corrected by adding full stops so that it reads 'N.O.S.'. An end date has been specified for the transitional provision which allowed N.O.S. proper shipping names to be marked with the technical name only, instead of the full proper shipping name and technical name.	The transition period for clause 1.5(2)(b) ends on 31 December 2010.
2.3	2.1(1)(a)(iii) 2.1(2)(a)(iii)	Dangerous goods transported for domestic or recreational purposes, for use as tools-of-trade, for agricultural use or for a commercial purpose, but not for hire or direct reward	Dangerous goods in bulk containers must be identified with placards and special marks, including when they are transported for domestic or recreational purposes or for use as tools-of-trade.	Schedule 1 now includes bulk quantities of Class 9, environmentally hazardous substances, including diesel. See

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				the diesel information sheet for more details.
2.4	2.2(ca) 2.2(d)(i)	Dangerous goods transported for hire or reward	Compliance with requirements for dangerous goods in excepted quantities or excepted packages of radioactive material have been added to the provisions that apply to transport for hire or reward.	2.2(ca) is a new clause.
2.5	2.3(1) 2.3(1)(a)(i) 2.3(1)(f) 2.3(1)(g) 2.3(3) 2.3(4)	Dangerous Goods in Limited Quantities and Consumer Commodities	The 1000 kg limit for DGLQ has been removed, Schedule 2 and Schedule 2A have been combined and DGLQ and Consumer Commodities must be identified with the current or the new United Nations DGLQ marks.	The methods of identifying DGLQ and consumer commodities in the DG Rule 2005 may be used until 2012.
2.6	2.4(1)(b)	Small Packages of dangerous goods	Clarification of packaging requirements for Small Packages	
2.7	2.5	Small Packages of explosives	A new clause has been added to permit any quantity of Christmas crackers to be transported as Small Packages of explosives.	2.5(2) is a new clause.
2.8	2.9	Excepted quantities and excepted packages	New provisions for transport of dangerous goods in excepted quantities and excepted packages of radioactive material.	2.9 is a new clause.
2.9	3.2(1) 3.2(2) 3.2(3)(a) 3.2(6) 3.2(7) 3.2(8)	Packaging requirements according to the nature and quantity of dangerous goods	Packaging requirements have been included for dangerous goods in excepted quantities and excepted packages of radioactive material (see new clauses 3.2(6) and 3.2(7)). Division 4.1 has been added to the list of dangerous goods in 3.2(3)(a) that may have special packaging requirements specified by the relevant regulatory authority. New clause 3.2(8) requires compliance with the UN packing instructions,	3.2(6), 3.2(7) & 3.2(8) are new clauses. Compliance with clause 3.2(8)(a) is not mandatory before 1 January 2011.

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			which are available from any of the incorporated documents.	
2.10	3.3(1)(a)	Packaging requirements for dangerous goods transported for domestic or recreational purposes	Reference to the packaging requirements of the relevant regulatory authority has been added.	This is not a change, but a reminder about other legislation.
2.11	4.1(7) 4.1(9)	General safety requirements for labelling and marking	4.1(7) has been re-drafted to allow for labels and marks on empty packages in accordance with 2.7. The requirement for special marks on unit load devices has been added to 4.1(9).	Special marks are not required until 1 January 2011.
2.12	4.2(4)(c), 4.2(4)(e)	Labelling according to the nature and quantity of dangerous goods	New categories have been added to the products that do not require class labels on the packaging. They are: routine diagnostic specimens or low risk biological products that are marked in accordance with 4.3(5)(c); dangerous goods in excepted quantities and excepted packages of radioactive material.	4.2(4)(e) is a new clause.
2.13	4.3(1) 4.3(5)(c) 4.3(6) 4.3(7) 4.3(8) 4.3(9) 4.3(10) 4.3(11) 4.3(12) 4.3(13)	Marking according to the nature and quantity of dangerous goods	An option has been included to allow routine diagnostic specimens or low risk biological products to be marked with UN 3373 in a diamond and the proper shipping name, as specified in UN packing instruction P650. New requirements for environmentally hazardous substance marks and orientation arrows have been added.	4.3(5)(c) and 4.3(7) – 4.3(13) are new clauses. The environmentally hazardous substance mark and orientation arrows are not required until 1 January 2011.
2.14	4.4(1)(a)(i) 4.4(1)(a)(iii)	Marking or labelling dangerous goods transported for domestic or recreational purposes or for use as tools-of-trade	Requirements have been added for special marks and identification for dangerous goods in excepted quantities or excepted packages of radioactive material.	4.4(1)(a)(iii) is a new clause.
2.15	5.2(2)(b)(i) 5.2(2)(d)	Dangerous goods declaration documents	The requirement to state the number and type of packages has been	

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			clarified by adding examples of types of packages. The expired transition date in 5.2(2)(d) has been deleted.	
2.16	5.3(1)(e)	When dangerous goods documents are not required	Dangerous goods documents are not required for dangerous goods in excepted quantities or excepted packages of radioactive material.	5.3(1)(e) is a new clause.
2.17	6.2(e)	Segregation according to the nature, quantity and use of dangerous goods	Dangerous goods in excepted quantities and excepted packages of radioactive material do not require segregation from other dangerous goods or food items, provided they are properly packaged.	6.2(e) is a new clause.
2.18	6.3(1)(d)	Segregation according to class or division or in segregation devices	Clarification that when segregation devices are used, other incompatible products that are not in segregation devices may be carried, provided safe separation is achieved by distance or use of separate freight containers.	No change, but re-drafted for clarification of requirements.
2.19	6.4(3)(a)	Segregation devices	Clarification that segregation devices must not be used to segregate incompatible dangerous goods if any of them is in Packing Group I, unless safe separation can be achieved by distance or use of separate freight containers.	No change, but re-drafted for clarification of requirements.
2.20	6.5	Segregation for large quantities of Division 2.1 or Class 3 dangerous goods	A new clause has been added to permit high flash point diesel (UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diesel), Class 9) to continue to be transported in the same tankwagon with other flammable liquids such as petrol.	6.5(2) is a new clause. This amendment is to maintain the status quo, which was affected by the re-classification of high flash point diesel.
2.21	7.1(1) 7.1(2) 7.1(3)	General safety requirements for placarding	The general safety requirements for placards have been amended to include requirements for special	

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	7.1(3)(a) 7.1(4)(a) 7.1(4)(b) 7.1(4)(c)(i)		marks.	
2.22	7.2(1) 7.2(2)(d) 7.2(3) 7.2(4) 7.2(5) 7.2(5)(e) 7.2(6) 7.2(6)(c) 7.2(8) 7.2(11) 7.2(12) 7.2(13) 7.2(14)	Placarding according to the nature and quantity of dangerous goods	Requirements have been added for special marks on tankwagons, freight containers and portable tanks. 7.2(8) allows tankwagons or spray-wagons carrying bitumen emulsions, which are not classified as dangerous goods for transport, to remove dangerous goods placards, provided a "BITUMEN EMULSIONS contain spillage" sign is displayed. 7.2(11) permits LPG tankwagons to carry butane or propane without changing placards. Tankwagons that carry low flash point diesel and high flash point diesel need only display placards for low flash point diesel, see 7.2(12).	7.2(5)(e), 7.2(6)(c), 7.2(8)(b)&(c) and 7.2(11) - 7.2(14) are new clauses. Special marks must be displayed from 1 January 2011. Special marks include the environmentally hazardous substances mark and the elevated temperature mark.
2.23	7.3	Placement of placards on vehicles, tankwagons, freight containers, portable tanks and other containers for bulk quantities of dangerous goods	Clause 7.3 has been replaced with a new clause which includes requirements for placement of special marks.	
2.24	7.4	Placarding requirements for dangerous goods transported for domestic or recreational purposes or for use as tools-of-trade	The requirement for placards and special marks to be displayed on tank trailers or portable tanks used to transport bulk quantities of dangerous goods has been extended to transport for domestic or recreational use or for use as tools-of-trade.	Schedule 1 now includes bulk quantities of Class 9, environmentally hazardous substances, including diesel. See the diesel information sheet for more details.
2.25	8.4(2)	Stopping at railway level crossings	A new provision has been added to	

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			exempt vehicles carrying dangerous goods from stopping at railway level crossings controlled by traffic signals, when red lights are not displayed.	
2.26	9.2(1)	Dangerous goods driver licence endorsement	Three new exceptions from the requirement for a D endorsement have been included in the DG Rule. They are: <ul style="list-style-type: none"> • transport of dangerous goods in excepted quantities or excepted packages of radioactive material; • transport of Class 9 dangerous goods that are toxic to the aquatic environment (UN 3077 or UN 3082); • when the driver is supervised by a passenger who holds a D endorsement. 	
2.27	10.1(2) 10.1(3)(a)	Responsibilities - general safety requirements	A responsibility to comply with the requirements for transport of dangerous goods in excepted quantities or excepted packages of radioactive material has been added to the Rule.	
2.28	10.4(da)	Responsibilities of the driver or operator of a road vehicle	There is a new responsibility for the driver to check that the supervising passenger has a D endorsement, if the driver does not have a D endorsement.	There are new penalties for failing to comply with this responsibility. See Schedule 1 of Land Transport (Offences and Penalties) Regulations 1999 .
2.29	10.7	Responsibilities of the Supervisor	A passenger must have a D endorsement if they supervise a driver who does not have a D endorsement. The supervisor is responsible for ensuring that the driver complies with the duties of a driver.	There are new penalties for failing to comply with these new responsibilities. See Schedule 1 of Land Transport

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				(Offences and Penalties) Regulations 1999.
3.1	Part 2	New definitions	New definitions have been added for: Dangerous goods in excepted quantities; Dangerous Goods in Limited Quantities mark; Elevated temperature mark; Environmentally hazardous substance mark; Excepted packages of radioactive material; Orientation arrows; Special mark.	New definitions for new terms used in the Rule
3.2	Part 2	Updated definitions	The definitions of Cultures and Diagnostic specimen have been replaced with updated definitions.	Updated to align with new definitions in the UNRTDG
3.3	Part 2	Amended definitions	The following definitions have been amended: Dangerous Goods in Limited Quantities; Emergency services personnel; Proper shipping name.	Minor corrections or updates
3.4	Part 2	Table A – Properties and classification of dangerous goods for land transport	Class 3: the closed-cup flash point test upper threshold has been lowered to 60°C to align with the UNRTDG; a note has been inserted as a reminder that low flash point diesel (flash point of 60°C or less) is classified as UN 1202, Class 3 and high flash point diesel (flash point over 60°C) is UN 3082, Class 9. Class 4: additional information added to explain the classification of self-reactive substances in Division 4.1. Class 5: additional information added	

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			<p>to explain the classification of organic peroxides, Division 5.2.</p> <p>Class 9: new details explaining that high flash point diesel is a Class 9 environmentally hazardous substance and a reminder that low flash point diesel (flash point of 60°C or less) is classified as Class 3.</p> <p>The note at the end of Table A, which explains that detailed classification criteria are available in the incorporated documents, has been amended to clarify that classification of dangerous goods for transport on land in New Zealand is subject to determinations of the relevant regulatory authority.</p>	<p>A transition period until 1 January 2011 is allowed for high flash point diesel. See the diesel information sheet for more details</p>
4.1	Part 3	Schedule 1 – Quantity limits for dangerous goods transported for domestic or recreational purposes, for use as tools-of-trade, for agricultural use or for a commercial purpose, but not for hire or direct reward	<p>The main changes to Schedule 1 are:</p> <p>Class 3: a note has been added to explain that petrol is Class 3, Packing Group II; low flash point diesel is Class 3, Packing Group III and high flash point diesel is Class 9, Packing Group III.</p> <p>Division 4.3: up to 5 kg of three specified products in Packing Group I are now permitted as tools-of-trade.</p> <p>Division 6.2: The quantity of Category B and Packing Group II products has been increased to 50 kg.</p> <p>Class 9: Quantity limits have been increased to 2000 litres for high flash point diesel and 1000 kg or 1000 litres for other substances that are toxic to the aquatic environment.</p> <p>Mixed loads: The quantity limit for diesel or other substances that are</p>	

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			<p>toxic to the aquatic environment is in addition to the 500 kg/litre limit for other dangerous goods in a mixed load.</p> <p>Measurement of the maximum quantity has been clarified by specifying that it is determined by the actual quantity, not the size of the container, for solids and liquids. The quantity of gases is measured by the size of the cylinder, except for cryogenic liquids where the actual quantity can be measured by a dip-stick.</p>	
4.2	Part 3	Schedule 2 - Dangerous Goods in Limited Quantities and Consumer Commodities	Schedule 2 has been replaced with a new schedule that combines the old Schedule 2 (quantity limits for DGLQ) and Schedule 2A (goods that must not be transported as DGLQ).	
4.3	Part 3	Schedule 2A - Goods that must not be transported as DGLQ	Schedule 2A has been revoked and its contents combined with Schedule 2 as explained in the change above.	
4.4	Part 3	Schedule 4 - Dangerous goods in excepted quantities	<p>A new schedule has been added to provide details about dangerous goods in excepted quantities.</p> <p>Part A lists the inner and outer packaging quantity limits according to the class and packing group. Individual products are also listed, if their quantity limits differ from those according to their class and packing group.</p> <p>Part B describes the performance tests for packaging for dangerous goods in excepted quantities.</p> <p>Part C shows the excepted quantities mark.</p>	Schedule 4 is new

Glossary of abbreviations:

Amendment Rule	Land Transport Rule: Dangerous Goods Amendment 2010
D endorsement	Dangerous goods endorsement on a driver licence
DGLQ	Dangerous Goods in Limited Quantities
DG Rule	Land Transport Rule: Dangerous Goods 2005, as amended by the Dangerous Goods Amendment 2010
DG Rule 2005	Land Transport Rule: Dangerous Goods 2005
N.O.S.	Not otherwise specified
UN	United Nations
UNRTDG	United Nations Recommendations on the Transport of Dangerous Goods - Model Regulations