



Requirements for transport of Class 1

Under Chapter 3.4 of the UN Model
Regulations - Limited quantities



FACT SHEET



In support of the Draft Australian Dangerous Code



More information
on the Australian
Dangerous Goods Code

National
Transport
Commission 

Feedback from competent authorities indicates that the United Nations Model Regulations (UN MR), the agreement for the international carriage of dangerous goods by road (ADR) and the Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID) requirements for the transport of specified explosives articles under the provisions for Dangerous Goods Packed in Limited Quantities in Chapter 3.4 are not fully understood.

This document aims to clearly set out the requirements specified in the above instruments and the draft Code.

1 Transport requirements

1.1 Dangerous Goods List

The United Nations Model Regulations (UN MR), the agreement for the international carriage of dangerous goods by road (ADR), the Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID) and the International Maritime Dangerous Goods (IMDG) Code permit the following UN numbers to be transported under the provisions of Chapter 3.4:

UN 0012, UN 0014 and UN 0055 CASES, CARTRIDGE, EMPTY, WITH PRIMER (see figure 2).

Figure 1: Summary of requirements

Eligibility Criteria	Requirements to be met	Permitted UN Numbers
<ul style="list-style-type: none"> Must be 1.4S Must not propagate independent of packaging No entries on the high consequence list No generic entries or n.o.s entries, e.g., no general fireworks 1.4S entry Must present no hazardous effects outside the package in the event of accidental initiation (as determined by use of the 6(d) test) 	<p>Packaging</p> <ul style="list-style-type: none"> UN specification meeting PG II Packed as per P130 (may use P101 if packaging has been approved by the CA) Combination packaging, inner ≤ 5kg Approved packagings Capable of passing 6(d) test, if required <p>Marking</p> <ul style="list-style-type: none"> LQ mark UN specification package marking <p>Documentation</p> <ul style="list-style-type: none"> Dangerous Goods transport document required 	<p>UN 0012 CARTRIGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS</p> <p>UN 0014 CARTRIGES FOR WEAPONS, BLANK or CARTRIGES, SMALL ARMS BLANK or CARTRIGES FOR TOOLS, BLANK</p> <p>UN 0055 CASES, CARTRIDGE, EMPTY, WITH PRIMER</p>

Figure 2

UN No.	Name and description	Class	Classification code	Packing group	Labels (Primary and subsidiary hazards)	Special provisions	Limited and excepted quantities		Packaging		Portabulk instructions
							(7a)	(7b)	(8)	(9a)	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.2.5; 7.3.2
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(10)
0012	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS	1	1.4S		1.4	364	5 kg	E0	P130 LP101		
0014	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK or CARTRIDGE FOR TOOLS, BLANK	1	1.4S		1.4	364	5 kg	E0	P130 LP101		
0055	CASES, CARTRIDGE, EMPTY, WITH PRIMER	1	1.4S		1.4	364	5 kg	E0	P136		

1.6 Dangerous goods transport document

Also see Security considerations below.

A dangerous goods transport document complying with Chapter 5.4 is necessary to enable compliance with security requirements.

Note: Under the IMDG Code, an MO41 is required for sea transport.

1.7 Vehicle placarding (ADG Code)

Under the current requirements, an unlimited quantity of Class 1.4S can be transported without vehicle placarding. Under the LQ requirements, current and proposed, an LQ placard will be required depending on the quantity in the vehicle.

2 Security considerations

Ammunition is subject to state and territory requirements that require that the ammunition be concealed or covered and that a vehicle carrying ammunition does not bear markings or other that enables identification that it contains ammunition.

Security arrangements are also required to ensure the ammunition is kept secured, not accessible to unauthorized person, and any loss is detected and reported.

3 Workplace considerations

3.1 Manual handling and worker safety

The following statistics are for manual handling of small arms ammunition and primers for a single workplace for the 12 months from May 2024 – May 2025:

- **57175** Cases of ammunition/primers received
- Total weight **525126 kg** (525 T)
- Heaviest single case **25.5 kg**
- Average weight of cases **8.65 kg**
- Quantity of cases over 16kg **7989**
- Number of individual workers manually handling cases **4**

Adding the explosives label and importers details stickers doubles the **total weight** handled to **1050T**.



3.2 Storage placarding

Example of workplace placarding.





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