

Economic Commission for Europe**Inland Transport Committee****Working Party on the Transport of Dangerous Goods****104th session**

Geneva, 15-17 May 2018

Item 8 of the provisional agenda

Any other business**16 April 2018****Consolidated table of the applicable provisions of Part 9 of
ADR for EX/II, EX/III, FL, and AT vehicles and MEMUs****Transmitted by the Government of Romania****Introduction**

1. At its 103rd session (6 – 10 November 2017), the Working Party welcomed with interest the idea of preparing a consolidated table of the applicable provisions of Part 9, which would make it possible to quickly check which requirements must be met by a vehicle so that it can be used for the transport of dangerous goods.
2. The Working Party noted also that the provisions of Chapter 9.2 taken up in the table under 9.2.1.1 were applicable to base vehicles and were mainly of interest to vehicle manufacturers, while the provisions of Chapters 9.3, 9.7 and 9.8 were applicable only to certain types of vehicles and were mainly addressed to those who completed the vehicles. Placing such provisions in a single table in ADR would require a reorganization of Part 9 of the ADR.
3. The Working Party agreed that a global, consolidated table could be prepared and made available as guidelines, using UNECE website rather than the ADR agreement.
4. In this context, the representative of Romania pointed out that a checklist taking up the applicable provisions of Part 9 is already in use in Romania for the annual technical inspection of the ADR vehicles.
5. Based on the Romanian checklist for the annual technical inspection of the ADR vehicles we prepared a consolidated table of the applicable provisions of Part 9. To facilitate the check of the provisions, these are ordered under the vehicles systems and equipment instead of the order in the Part 9.
6. In the annex we provide the consolidated table of the applicable provisions of Part 9 of ADR for EX/II, EX/III, FL, and AT vehicles and MEMUs.

**Consolidated table of the applicable provisions of
Part 9 of ADR for EX/II, EX/III, FL, and AT vehicles and MEMUs**

TECHNICAL SPECIFICATIONS		VEHICLES					COMMENTS
		EX/II	EX/III	AT	FL	MEMU	
ELECTRICAL EQUIPMENT							
Electrical equipment general provisions	9.2.2.1	X	X	X	X	X	
Cables	9.2.2.2.1	X	X	X	X	X	
Additional protection	9.2.2.2.2	X ^a	X	X ^b	X	X	^a Applicable to vehicles with a maximum mass exceeding 3.5 tonnes first registered (or which entered into service if registration is not mandatory) after 31 March 2018. ^b Applicable for vehicles first registered (or which entered into service if registration is not mandatory) after 31 March 2018.
Fuses and circuit breakers	9.2.2.3	X ^b	X	X	X	X	^b Applicable to vehicles first registered (or which entered into service if registration is not mandatory) after 31 March 2018.
Batteries	9.2.2.4	X	X	X	X	X	
Lighting	9.2.2.5	X	X	X	X	X	
Electrical connections between motor vehicles and trailers	9.2.2.6	X ^c	X	X ^b	X	X	^b Applicable to vehicles first registered (or which entered into service if registration is not mandatory) after 31 March 2018. ^c Applicable to motor vehicles intended to draw trailers with a maximum mass exceeding 3.5 tonnes and trailers with a maximum mass of exceeding 3.5 tonnes first registered (or which entered into service if registration is not mandatory) after 31 March 2018.
Voltage	9.2.2.7	X	X			X	
Battery master switch	9.2.2.8		X		X	X	
Permanently energized circuits	9.2.2.9.1				X		
	9.2.2.9.2		X			X	

TECHNICAL SPECIFICATIONS		VEHICLES					COMMENTS
		EX/II	EX/III	AT	FL	MEMU	
Electrical equipment EX vehicles	9.3.7.1	X	X				
	9.3.7.2	X	X				
	9.3.7.3	X	X				
Electrical equipment tank vehicles	9.7.8.1				X		
	9.7.8.2				X		
	9.7.8.3			X	X		
BRAKING EQUIPMENT							
General provisions	9.2.3.1	X	X	X	X	X	
Anti-lock braking system	9.2.3.1	X ^e	X ^{d, e}	X ^{d, e}	X ^{d, e}	X ^{d, e}	<p>^d Applicable to motor vehicles (tractors and rigid vehicles) with a maximum mass exceeding 16 tonnes and motor vehicles authorized to tow trailers (i.e. full-trailers, semi-trailers and centre axle-trailers) with a maximum mass exceeding 10 tonnes. Motor vehicles shall be equipped with a category 1 anti-lock braking system.</p> <p>Applicable to trailers (i.e. full-trailers, semi-trailers and centre axle-trailers) with a maximum mass exceeding 10 tonnes. Trailers shall be equipped with a category A anti-lock braking system.</p> <p>^e Applicable to all motor vehicles and applicable to trailers with a maximum mass exceeding 3,5 tonnes, first registered (or which entered into service if registration is not mandatory) after 31 March 2018.</p>
Endurance braking system	9.2.3.1	X ^f	X ^g	X ^g	X ^g	X ^g	<p>^f Applicable to motor vehicles with a maximum mass exceeding 16 tonnes or authorized to tow a trailer with a maximum mass exceeding 10 tonnes first registered after 31 March 2018. The endurance braking system shall be of type IIA.</p> <p>^g Applicable to motor vehicles with a maximum mass exceeding 16 tonnes or authorized to tow a trailer with a maximum mass exceeding 10 tonnes. The endurance braking system shall be of type IIA.</p>

TECHNICAL SPECIFICATIONS		VEHICLES					COMMENTS
		EX/II	EX/III	AT	FL	MEMU	
PREVENTION OF FIRE RISKS							
Fuel tanks and cylinders	9.2.4.3	X	X		X	X	
Engine	9.2.4.4	X	X		X	X	
Engine and load compartment EX vehicles	9.3.5	X	X				
Exhaust system	9.2.4.5	X	X		X	X	
External heat sources and load compartment EX vehicles	9.3.6	X	X				
Vehicle endurance braking thermal shield	9.2.4.6	X ^f	X	X	X	X	^f Applicable to motor vehicles with a maximum mass exceeding 16 tonnes or authorized to tow a trailer with a maximum mass exceeding 10 tonnes first registered after 31 March 2018. The endurance braking system shall be of type IIA.
Combustion heaters	9.2.4.7.1	X ^h	X ^h	X ^h	X ^h	X ^h	^h Applicable to motor vehicles equipped after 30 June 1999. Mandatory compliance by 1 January 2010 for vehicles equipped before 1 July 1999. If the date of equipping is not available the date of first registration of the vehicle shall be used instead.
	9.2.4.7.2	X ^h	X ^h	X ^h	X ^h	X ^h	
	9.2.4.7.3				X ^h		
	9.2.4.7.4				X ^h		
	9.2.4.7.5	X ^h	X ^h	X ^h	X ^h	X ^h	
	9.2.4.7.6	X	X			X	
Combustion heaters EX vehicles	9.3.2.1	X	X				
	9.3.2.2	X	X				
	9.3.2.3	X	X				
	9.3.2.4	X	X				
Combustion heaters tank vehicles	9.7.7.1			X	X		
	9.7.7.2			X	X		
Combustion heaters of MEMUs	9.8.6.1					X	
	9.8.6.2					X	

TECHNICAL SPECIFICATIONS	VEHICLES					COMMENTS	
	EX/II	EX/III	AT	FL	MEMU		
OTHER REQUIREMENTS							
Speed limiting device	9.2.5	X ⁱ	X ⁱ	X ⁱ	X ⁱ	X ⁱ	ⁱ Applicable to motor vehicles with a maximum mass exceeding 12 tonnes first registered after 31 December 1987, and all motor vehicles with a maximum mass exceeding 3.5 tonnes but not more than 12 tonnes registered after 31 December 2007.
Coupling devices of motor vehicles and trailers	9.2.6	X	X	X ^j	X ^j	X	^j Applicable to coupling devices of motor vehicles and trailers and motor vehicles first registered (or which entered into service if registration is not mandatory) after 31 March 2018.
Prevention of other risks caused by fuels	9.2.7.1			X	X		
ADDITIONAL REQUIREMENTS CONCERNING COMPLETE OR COMPLETED EX/II OR EX/III VEHICLES INTENDED FOR THE CARRIAGE OF EXPLOSIVE SUBSTANCES AND ARTICLES (CLASS 1) IN PACKAGES							
Materials to be used in the construction of vehicle bodies	9.3.1	X	X				
EX/II vehicles	9.3.3	X					
EX/III vehicles	9.3.4.1		X				
	9.3.4.2		X				
ADDITIONAL REQUIREMENTS CONCERNING FIXED TANKS (TANK-VEHICLES), BATTERY-VEHICLES AND COMPLETE OR COMPLETED VEHICLES USED FOR THE CARRIAGE OF DANGEROUS GOODS IN DEMOUNTABLE TANKS WITH A CAPACITY GREATER THAN 1 M³ OR IN TANK-CONTAINERS, PORTABLE TANKS OR MEGCs OF A CAPACITY GREATER THAN 3 M³ (EX/III, FL AND AT VEHICLES)							
Requirements concerning tanks	9.7.2.1			X	X		
	9.7.2.2			X	X		
	9.7.2.3			X	X		
	9.7.2.4			X	X		
	9.7.2.5			X	X		
Fastenings	9.7.3			X	X		
Earthing of FL vehicles	9.7.4				X		
Stability of tank-vehicles	9.7.5.1			X	X		
	9.7.5.2			X	X		

TECHNICAL SPECIFICATIONS		VEHICLES					COMMENTS
		EX/II	EX/III	AT	FL	MEMU	
Rear protection of tank vehicles	9.7.6			X	X		
Additional safety requirements concerning EX/III vehicles	9.7.9						
ADDITIONAL REQUIREMENTS CONCERNING COMPLETE AND COMPLETED MEMUs							
Requirements concerning tanks and bulk containers	9.8.2					X	
Earthing of MEMUs	9.8.3					X	
Stability of MEMUs	9.8.4					X	
Rear protection of MEMUs	9.8.5					X	
Additional safety requirements	9.8.7.1					X	
	9.8.7.2					X	
Additional security requirements	9.8.8					X	