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Working Party on the Transport of Dangerous Goods

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Item 8 of the provisional agenda

Any other business

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

Transmitted by the Government of Romania*

Summary

Executive summary: The vehicles transporting dangerous goods shall comply with the requirements of Part 9 of ADR. A consolidated table of applicable requirements of Part 9, can be a useful tool for the technical inspection of EX/II, EX/III, FL and AT vehicles and MEMUs.

Action to be taken: Make available the consolidated table as guidelines.

Background documents: Informal document INF.9 of 104th session of the Working Party (Geneva 15-17 May 2018).
ECE/TRANS/WP.15/242, paragraph 54.

* In accordance with the programme of work of the Inland Transport Committee for 2018-2019, (ECE/TRANS/WP.15/237, annex V, (9.1)).

Introduction

1. At its 104th session (15 – 17 May 2018), the Working Party discussed the idea of preparing a consolidated table of the applicable provisions of Part 9, which would make possible quickly check which requirements must be met by a vehicle so that it can be used for the transport of dangerous goods.
2. The delegations that took the floor felt that the document prepared could be a very useful tool and agreed that a global, consolidated table could be prepared and made available as guidelines, using the UNECE website.
3. To facilitate the check of the provisions, these are ordered under the vehicles systems and equipment instead of the order in the Part 9.
4. In the annex we provide the consolidated table of the applicable provisions of Part 9 of ADR for the technical inspection of EX/II, EX/III, FL and AT vehicles and MEMUs.

Proposal

5. Make available the consolidated table of the applicable provisions of Part 9 of ADR for the technical inspection of EX/II, EX/III, FL and AT vehicles and MEMUs as guidelines on the designated UNECE website.

Feasibility

6. No problems are foreseen.

Annex

TECHNICAL SPECIFICATIONS	VEHICLES							COMMENTS
	EX/II	EX/III	EX/III TANK	AT	FL	MEMU		
ELECTRICAL EQUIPMENT								
Electrical equipment general provisions	9.2.2.1	X	X	X	X	X	X	
Cables	9.2.2.2.1	X	X	X	X	X	X	
Additional protection	9.2.2.2.2	X ^a	X	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	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	X	
Lighting	9.2.2.5	X	X	X	X	X	X	
Electrical connections between motor vehicles and trailers	9.2.2.6	X ^c	X	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			X	
Battery master switch	9.2.2.8		X	X		X	X	
Permanently energized circuits	9.2.2.9.1					X		
	9.2.2.9.2		X	X			X	
Electrical equipment EX vehicles	9.3.7.1	X	X					

TECHNICAL SPECIFICATIONS	VEHICLES							COMMENTS
	EX/II	EX/III	EX/III TANK	AT	FL	MEMU		
	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	X		
BRAKING EQUIPMENT								
General provisions	9.2.3.1	X	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}	X ^{d,e}	^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.
								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.
								^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.
Endurance braking system	9.2.3.1	X ^f	X ^g	X ^g	X ^g	X ^g	X ^g	^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.
								^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.
PREVENTION OF FIRE RISKS								
Fuel tanks and cylinders	9.2.4.3	X	X	X		X	X	

<i>TECHNICAL SPECIFICATIONS</i>		<i>VEHICLES</i>						<i>COMMENTS</i>
		<i>EX/II</i>	<i>EX/III</i>	<i>EX/III TANK</i>	<i>AT</i>	<i>FL</i>	<i>MEMU</i>	
Engine	9.2.4.4	X	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	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	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	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	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	X ^h	
	9.2.4.7.6	X	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	X		
	9.7.7.2			X	X	X		
Combustion heaters of MEMUs	9.8.6.1						X	
	9.8.6.2						X	

TECHNICAL SPECIFICATIONS	VEHICLES						COMMENTS	
	EX/II	EX/III	EX/III TANK	AT	FL	MEMU		
OTHER REQUIREMENTS								
Speed limiting device	9.2.5	X ⁱ	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	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	X		
	9.7.2.2				X	X		
	9.7.2.3			X	X	X		
	9.7.2.4				X	X		
	9.7.2.5				X	X		
Fastenings	9.7.3.1			X	X	X		
	9.7.3.2			X	X	X		
	9.7.3.3			X	X	X		
Electrical bonding of FL vehicles	9.7.4				X			
Stability of tank-vehicles	9.7.5.1			X	X	X		
	9.7.5.2				X	X		

<i>TECHNICAL SPECIFICATIONS</i>		<i>VEHICLES</i>						<i>COMMENTS</i>
		<i>EX/II</i>	<i>EX/III</i>	<i>EX/III TANK</i>	<i>AT</i>	<i>FL</i>	<i>MEMU</i>	
Rear protection of tank vehicles	9.7.6			X	X	X		
Additional safety requirements concerning EX/III vehicles	9.7.9			X				
ADDITIONAL REQUIREMENTS CONCERNING COMPLETE AND COMPLETED MEMUs								
Requirements concerning tanks and bulk containers	9.8.2						X	
Electrical bonding 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	
