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PROPOSALS FOR AMENDMENTS TO ANNEXES A AND B OF ADR

Carriage of blasting explosives of UN Nos 0331 and 0332 in portable tanks

Transmitted by the Government of Sweden

SUMMARY

Executive Summary: According to ADR it is allowed to carry blasting explosives of UN Nos 0331 and 0332 in portable tanks. However, the applicable vehicle code is not specified in Column (14) of Table A of Chapter 3.2. Therefore, no requirements concerning construction and approval of the vehicles exists for the carriage in portable tanks. This document proposes the applicable vehicle requirements to be followed.

Action to be taken: Add "EX/III" in Column (14) of Table A of Chapter 3.2, and amend the text in Part 9.

Related documents: TRANS/WP.15/185, paras. 10 – 11.

Introduction

According to ADR it is allowed to carry blasting explosives of UN Nos 0331 and 0332 in portable tanks. This way of carriage was introduced in ADR 2005. The applicable vehicle code was however not indicated in Column (14) of Table A of Chapter 3.2 for the carriage in portable tanks. This document proposes the applicable vehicle code and requirements.

ADR states that explosive substances and articles must be carried on EX/II or EX/III vehicles. However, the current EX/II and EX/III requirements in ADR apply only to the carriage of packages.

In our view it is not appropriate to define a new vehicle category considering the established system regarding vehicle and approval requirements. Therefore, bearing in mind the properties of the goods in question, the amount which may be carried and the available vehicle categories of ADR, our proposal is to introduce EX/III vehicles for tank carriage of explosive substances.

The chassis requirements should be the same irrespective of the intended use of the vehicle, i.e. if the chassis is used for a tank vehicle or a vehicle for carriage of packages. Therefore, it is not necessary to modify Chapter 9.2.

However, the additional requirements of Chapter 9.7 should apply to EX/III tank vehicles as far as relevant and therefore some amendments are needed in the head-line of Chapter 9.7 and in the text of sub-section 9.7.7.2.

Proposal

1. In column (14) of table A of Chapter 3.2, insert “EX/III” for the entries UN 0331 and UN 0332.

2. Amend the heading of Chapter 9.7 to read (new text is underlined):

“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, OX, and AT vehicles)”.

3. Amend the beginning of the first sentence of 9.7.7.2 to read as follows (new text is underlined):

“If the vehicle is intended for the carriage of dangerous goods for which a label conforming to models Nos. 1.5, 3, 4.1, 4.3, 5.1 or 5.2 is prescribed, no fuel tanks, power sources, combustion air...”.

Consequential amendments (new text underlined):

1. Amend 7.4.2 to read:

“ The vehicles designated by the codes EX/III, FL, OX or AT shall be used as follows:

- Where an EX/III vehicle is prescribed, only an EX/III vehicle may be used;
- Where an FL vehicle is prescribed, only an FL vehicle may be used;
- Where an OX vehicle is prescribed, only an OX vehicle may be used;
- Where an AT vehicle is prescribed, AT, FL and OX vehicles may be used.”

2. Amend the beginning of the definition of AT vehicle in 9.1.1.2 as follows:

“(a) a vehicle, other than an EX/III, FL or OX vehicle, intended...”

3. Amend the heading of Chapter 9.3 to read:

“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”

Justification

When dangerous goods are carried in tanks, ADR specifies the applicable vehicle requirements. This is not the case for the carriage of explosives in tanks. The situation concerning these carriages is unclear and it is necessary from a safety point of view to specify and clarify the requirements.

Safety implications

The safety will be increased as vehicle requirements are proposed for the carriage of explosives in tanks.

Feasibility

No problems are foreseen concerning enforcement. The proposal consists of requirements already in ADR. Furthermore, very few portable tanks, if any, have been approved for explosives up to now.

Enforcement

No problems are foreseen.
