



**Economic and Social
Council**

Distr.
GENERAL

ECE/TRANS/WP.15/AC.2/2008/12
27 February 2008

ENGLISH
Original: FRENCH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

Working Party on the Transport of Dangerous Goods

Joint Meeting of Experts on the Regulations annexed to the
European Agreement concerning the International Carriage
of Dangerous Goods by Inland Waterways (ADN)
(ADN Safety Committee)*

Thirteenth session
Geneva, 17-18 June 2008
Item 4 of the provisional agenda

**PROPOSALS FOR AMENDMENTS TO THE REGULATIONS
ANNEXED TO ADN****

**Communication from the Central Commission for the Navigation
of the Rhine (CCNR)*****

CCNR proposes that Part 9, subsections 9.1.0.40, 9.3.40, 9.3.2.40 and 9.3.3.40, on
fire-extinguishing arrangements, should be updated as follows.

* This meeting is organized jointly by the Economic Commission for Europe and the
Central Commission for the Navigation of the Rhine (CCNR).

** Distributed in German by the CCNR under the symbol
CCNR/ZKR/ADN/WP.15/AC.2/2008/12.

*** In accordance with the programme of work of the Inland Transport Committee for
2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.7 (b)).

1. ...40.2.1 *Extinguishing agents*

Add (d):

“(d) FK-5-1-12 (dodecafluoro 2-methylpentane-3-one).”

2. ...40.2.4 *Piping system*

Under (b), add the following sentence:

“In particular, the extinguishing agent must also be effective beneath the floor”.

3. ...40.2.5 (e)

(ii) To be worded as follows:

“(ii) The correct behaviour of the crew in the event of activation and when accessing the space to be protected following activation or diffusion, in particular in respect of the possible presence of toxic substances;”

4. Insert new 9.1.0.40.2.13, 9.3.1.40.2.13, 9.3.2.40.2.13 and 9.3.3.40.2.13, worded as follows:

“Fire-extinguishing system operating with FK-5-1-12

In addition to the requirements of 9.1.0.40.2.1 to 9.1.0.40.2.9/9.3.1.40.2.1 to 9.3.1.40.2.9/9.3.2.40.2.1 to 9.3.2.40.2.9/9.3.3.40.2.1 to 9.3.3.40.2.9, fire-extinguishing systems using FK-5-1-12 as an extinguishing agent shall comply with the following provisions:

- (a) Where there are several spaces with different gross volumes, every space shall be equipped with its own fire-extinguishing system;
- (b) Every tank containing FK-5-1-12 placed in the space to be protected shall be fitted with a device to prevent overpressure. This device shall ensure that the contents of the tank are safely diffused in the space to be protected if the tank is subjected to fire, when the fire-extinguishing system has not been brought into service;
- (c) Every tank shall be fitted with a device permitting control of the gas pressure;
- (d) The level of filling of tanks shall not exceed 1.00 kg/l. The specific volume of depressurized FK-5-1-12 shall be taken to be 0.0719 m³/kg;
- (e) The volume of FK-5-1-12 in the space to be protected shall be not less than 5.5% of the gross volume of the space. This quantity shall be released within 10 seconds;

- (f) Tanks of FK-5-1-12 shall be fitted with a pressure monitoring device which triggers an audible and visual alarm in the wheelhouse in the event of an unscheduled loss of extinguishing agent. Where there is no wheelhouse, the alarm shall be triggered outside the space to be protected;
- (g) After discharge, the concentration in the space to be protected shall not exceed 10.0%.”

5. Sections 9.1.0.40.2.13, 9.3.1.40.2.13, 9.3.2.40.2.13 and 9.3.3.40.2.13 respectively become 9.1.0.40.2.14, 9.3.1.40.2.14, 9.3.2.40.2.14 and 9.3.3.40.2.14.
