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Fire-fighting appliances

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**Report on the operational tests on fire extinguishers
Eynatten and Brussels, 26 October 2001**

According to the decision taken at the working-group meeting of ADR-ECE/WP15 of München on 27 and 28/06/2001 fire extinguishers were collected from lorries on 26/10/2001 in the morning and brought to the laboratories of APRAGAZ for testing (in the presence of different members of the WG, see attached list).

It was agreed to take into consideration only conform extinguishers – to the law of each country and with the date of validity or date of next control still valid.

6 German extinguishers identified 1 D to 6 D and 7 Belgian extinguishers identified 1 B to 7 B were collected in the morning on lorries at the border D-B in Eynatten/Lichtenbusch.

These extinguishers were in the afternoon tested in the laboratories of APRAGAZ according EN3-1 : 1996 point 6 “Duration of operation and residual charge” + testing Method according annex A.

The results of the tests are as follows :

German Extinguishers :

N°	Nom. charge Powder (*)	Manufacturing date	Validity date	Discharge Time sec.	Residual charge kg
1 D	6 kg Cart	1992	05/2002	13	0,070
2 D	6 kg SP	04/1974	09/2002	13	0,280
3 D	6 kg SP	1985	03/2002	20	0,040
4 D	6 kg Cart	1986	04/2002	13	+ 0,280 (overfilled)
5 D	6 kg Cart	1992	02/2002	13	+ 0,110 (overfilled)
6 D	6 kg Cart	2000	08/2001	22	0,110

Belgian Extinguishers :

N°	Nom. charge Powder (*)	Manufacturing date	Validity date	Discharge Time sec.	Residual charge kg
1 B	9 kg Cart	2000	01/2006	37	0,920
2 B	9 kg Cart	02/1997	01/2003	18	0,400
3 B	9 kg Cart	2000	01/2006	26	0,115
4 B	9 kg Cart		01/2003	not tested, see note below	
5 B	3 kg Cart	1998	01/2004	16	0,050
6 B	9 kg Cart	2001	01/2007	40	0,870
7 B	3 kg Cart	1997	01/2003	14	0,140

(*) SP = Stored Pressure Extinguisher
Cart = Cartridge type Extinguisher

Extinguisher No. 4 B has not been tested because of lack of conformity with the belgium law (extinguisher was intended for buildings and was damaged by a hole in the main compartment).

Two more belgium extinguishers have not been taken from the lorries as they have been found out to be 12 years old (label showed validity until 2003 but it was manipulated).

Conclusion

The results of the operational tests (duration of operation and residual charge) showed some recognizable deviations, but are certified to be in conformity with the requirements of the EN3-1 standard by APRAGAZ.

All the tested extinguishers taken from the German and Belgian lorries worked properly.

List of Participants

<i>Name</i>	<i>Company</i>
Rasmussen, Soren	IRU, Geneve
van Impe, Patricia	Febetra, Bruxelles
Vandenbergen, Eric	ITR, Bruxelles
Maiworm, Robert	BAG, Köln
Harnack, Michael	bvfa / Gloria
Leplat, Christian	APRAGAZ
Geerwars, Jos	APRAGAZ
Vanderschriek, Mr	APRAGAZ
Laufhütte, Klaus	BMVBW, Germany
Holzhäuser, Jörg	MWVLW, Mainz, Germany
Renard, Claude ¹	Min. des Communications

¹ Brussels only