

Transport of Dangerous Goods in Road Tunnels

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Dangerous Goods Office

VCA



Background

- ADR 2007 introduced Tunnel classification and sign requirements
- Formal consultation of the proposals took place in 2006
- Requirements come into force on 1st January 2010

ADR Tunnel requirements

- Need to apply one of 5 groups of restrictions



No restrictions

Forget it!

- Group indicated by signs

The Groups



- A: No restrictions for DG
- B: No restrictions except for goods likely to cause a large explosion
- C: as for B plus goods with a risk of medium explosion or large toxic gas or liquid release
- D: as for C, plus restrictions for goods with a risk of a large fire
- E: all regulated DG are prohibited other than Un nos. 2919, 3291, 3331, 3359 and 3373

Current Classifications

Dartford		C
Mersey		D
Clyde		D
Ramsgate	(provisional)	C
Limehouse		E
Rotherhithe		E
Blackwall		E
East India Dock Road		E
Tyne		D



Dartford Tunnel – Category C

Department for
Transport



Sign Requirements

Signs

- If the Tunnel is categorised B – E
- ADR requires signs to be erected
- Signs should be placed:
 - Where a choice of alternative route is possible

Signs

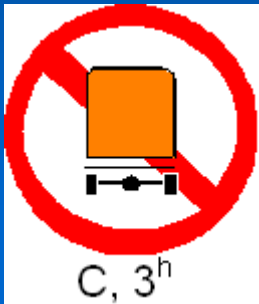
- Signs should follow the EU standard
- Based on
 - Shapes
 - Colours
 - Graphics

Signs

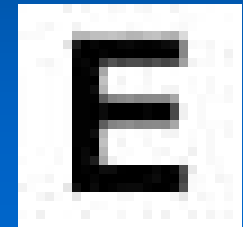
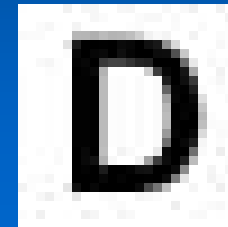
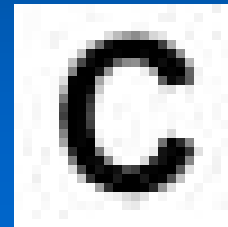
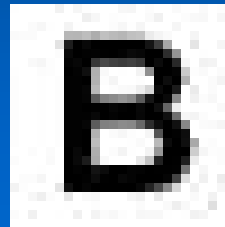
- UK is allowed to modify the signs and symbols
- Cannot alter the essential characteristics
- Cannot alter the essential intent

Signs

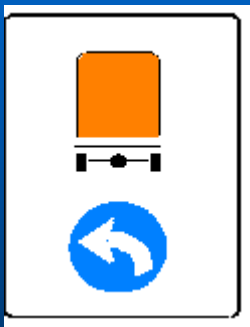
Tunnel restriction sign



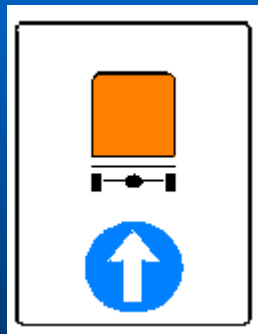
Additional Panel



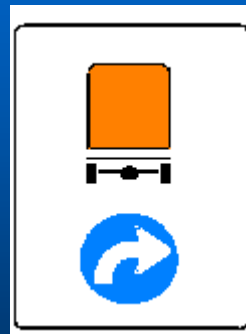
Alternative Routes



D,10a



D,10b



D,10c

Allocation in DG List

CODE ON THE TUNNEL		CODE ASSIGNED IN THE DANGEROUS GOODS LIST
A	Un-restricted tunnel. All dangerous goods permitted both in packages and bulk.	B Allowed only through tunnels marked A, not allowed through tunnels marked B, C, D or E
B	Progressively	C Allowed through tunnels marked A and B, not allowed through tunnels marked C, D or E
C	more	D Allowed through tunnels marked A, B or C not allowed through tunnels marked D or E
D	restrictive	E Allowed through all tunnels except those marked E
E	Most restricted tunnel. Only 5 UN numbers permitted to go through them	(-) Only items assigned this (-) allowed through tunnels marked E

- **IMPORTANT ADDITIONAL CODES AND NOTES**

- **B/D** Split codes, first letter refers to tanks second letter other than in tanks
- **C5000D**
- Codes with numbers in are only relevant to explosives. The number is a threshold for the load. Where the net mass of explosive (in kg) is equal to or more than the number in the code then the left hand letter applies. Where the net mass is less than the threshold value then the right hand letter applies.
- Tunnel restrictions do not apply to loads carried under chapter 1.1.3 (exemptions) and this will include limited loads in 1.1.3.6. This part of the regulation does not apply to Limited Quantities

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