



22 January 2004

AMENDMENT to:

MANDATE TO CEN/CENELEC

CONCERNING THE EXECUTION OF STANDARDISATION WORK
FOR HARMONISED STANDARDS ON

M111 Circulation fixtures

Explanatory note

- The existing mandate **M111 Circulation fixtures** covers the products called “permanent traffic signs”, which are formed, according to the definition given by CEN/TC226, by several assembled elements: [substrate plus sign face sheeting] or [substrate, sign face sheeting and post]. It does not distinguish “posts” as single product used for vertical signs, traffic signals and similar road equipment.

A request has come from Finland to consider “post” as a single construction product to be individually submitted to CE marking. In its request, Finland informed the Commission that posts are separately marketed in Nordic countries, and Finland has a regulation on “vertical sign support with passive safety” (the newest version of this regulation has been notified according to 98/34 procedure on 2nd June 2002).

Consequently, it is proposed to identify “posts for road vertical signs” in the list of the products covered by the mandate M111 and to define the corresponding characteristics in order to allow these products to be individually CE marked.

- Another need concerns the sheeting for road vertical signs.

On one hand, sheeting using glass beads materials are submitted to harmonised requirements developed in EN12899-1 through the CE marking of assembled road vertical signs.

On the other hand, a green light has been given to EOTA by Commission services, after consultation of standing committee (letter dated on 5 September 2000), for the preparation of a CUAP and the subsequent granting of ETAs for microprismatic sheeting films. The CUAP was endorsed by EOTA in June 2002.

Therefore, the current situation is not balanced, between two types of retroreflective products, which are in competition:

- Sheeting using glass beads, that are not individually covered by CE marking, but that are submitted to requirements defined in EN 12899-1 as component of the CE marked road vertical signs;
- Sheeting using microprismatic products that are individually covered by CE marking, but cannot be used in vertical signs since EN 12899-1, which includes requirements

for the rest of the components of the vertical signs, explicitly excludes microprismatic products from its scope.

Consequently, it is proposed to add “sheeting” (using glass bead technology) to the list of the construction products covered by the mandate M111 and to distinguish the corresponding characteristics in the technical specifications in order to allow these products to be individually CE marked.

In addition, the mandate will allow that assembled traffic signs are CE marked, when they use glass beads sheeting as well as microprismatic sheeting.

This proposal has been discussed and agreed by CEN/TC 226 and EOTA representatives, during a meeting with commission services held the 5 June 2003

- A second request has come from Finland with the aim to add a new characteristic for road restraint systems, which is “resistance to snow removal operations”. This characteristic is regulated in Finland.

Therefore, it is proposed to add this characteristic in the mandate and, subsequently, in the harmonised specifications.

THE FOLLOWING CHANGES ARE PROPOSED
in the mandate M111 “circulation fixtures”

- **Annex 1:**

Third column (products for consideration) add “sheeting and posts for road vertical signs” after permanent fixed signs

- **Annex 2**

B. Road vertical signs and traffic control devices

Add the following table B1, B2 and B3 instead of existing table B

B1. Sheetting using glass beads for permanent traffic signs

Essential requirements	Characteristics	durability
1		
2		
3		
4	- performance under impact (for the relevant aspects) - visibility characteristics luminance retro-reflectivity chromaticity coordinates	Y
5		
6		

B2. Posts for permanent traffic signs

Essential requirements	Characteristics	durability
1		
2		
3		
4	- resistance to horizontal loads - performance under impact	Y
5		
6		

B3 Assembled traffic signs (including [substrate plus sheeting*] when retro-reflectivity is needed or [substrate plus sheeting* plus post for vertical signs and fixings]), traffic bollards, marker posts, traffic lights and fixed danger lamps, permanent warning devices and delineators, variable message traffic signs installed permanently for vehicular and pedestrian traffic uses

Essential requirements	Characteristics	durability
1		
2		
3		
4	- resistance to horizontal loads - performance under impact - visibility characteristics luminance retro-reflectivity (if needed) chromaticity coordinates	Y
5		
6		

*All types of sheeting (glass beads and microprismatic products). It is noticed that the fitness for intended use for microprismatic sheeting may be assessed by reference to a European Technical Approval, according to the green light given to EOTA

c) Amend the table D as following:

D - ROAD RESTRAINT SYSTEMS

Vehicle restraint systems, crash cushions, transitions, barriers, cables, parapets.

Pedestrian restraint systems including pedestrian bridge parapets

Essential requirements	Characteristics	durability
1		
2		
3		
4	- performance under impact - height of parapets - resistance to horizontal loads - <u>resistance to snow removal operations</u>	Y
5		
6		

- **Annex 3**

Table 1/2: read “permanent traffic signs (sheeting, post for road vertical signs and assembled traffic signs)” instead of “permanent signs”
