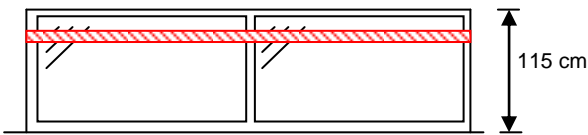
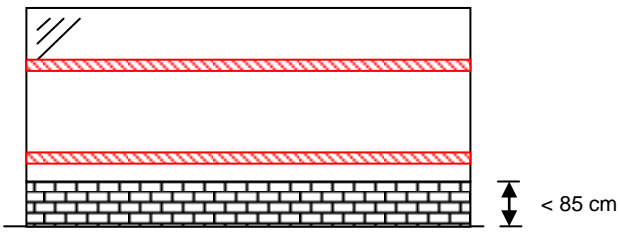


TITLE	
DEFINITION OF TRANSPARENT OBSTACLES	
ORIGINATOR	SUBJECT RELATED TO
ARSENAL RACE	TSI PRM – 4.1.2.6 TRANSPARENT OBSTACLES
DESCRIPTION AND BACKGROUND EXPLANATION	
<p>Point 4.1.2.6 of TSI PRM “Transparent obstacles” demands markings for “Transparent obstacles on or along the main routes used by passengers, consisting of glass doors or transparent walls”. The marking must be applied at a height between 1 500 mm and 2 000 mm for one line, and between 850 mm and 1 050 mm for the other line.</p> <p>In several projects the construction of glass balustrades/parapets (e.g. along staircases as protection against falling) is planned. Often glass walls do not range from the bottom of a floor to the ceiling, and are only partially applied in modern station buildings.</p> <p>The discussion is if glass balustrades and partial glass walls have to be marked according to the TSI PRM 4.1.2.6 even in the case when only one of the two contrasting bands can be applied in the required height.</p>	
RFU PROPOSAL	
<p>Glass balustrades and partial glass walls shall also be assessed according to clause 4.1.2.6. The required marking shall be applied as described for transparent obstacles. This clause is also applicable when only one contrasting band is possible to apply, because of the height of the object (see examples below).</p> <p>Example 1: glass balustrades</p>  <p>Example 2: partial glass wall</p> 	



RECOMMENDATION FOR USE

CO-ORDINATION BETWEEN NOTIFIED BODIES

DIRECTIVE 2008/57/EC
ON THE INTEROPERABILITY OF THE TRANS-EUROPEAN
HIGH-SPEED AND CONVENTIONAL RAILWAY SYSTEMS

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For transparent obstacles lower than 950 mm there are no requirements in clause 4.1.2.6 of the TSI PRM to be assessed by a NoBo. If other rules apply (e.g. National / Contractual), since it will not be a TSI/Interoperability requirement, the confirmation that they were duly applied is not a NoBo task.

The handrail and frame of glass balustrades can be considered to fulfil the requirements for these markings, when they are broad enough (100 mm high, contrast with the background against which they are viewed, see RFU-PRM-053 Contrast).

DATE OF AGREEMENT AT NB RAIL PLENARY MEETING

23/05/2012