



## RECOMMENDATION FOR USE

RFU PRM 054

**CO-ORDINATION BETWEEN NOTIFIED BODIES**  
DIRECTIVE 2008/57/EC AND SUBSEQUENT  
AMENDMENTS ON THE INTEROPERABILITY OF  
THE RAIL SYSTEM WITHIN THE UNION

Issue 01  
Date: 16.02.2011  
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### TITLE

TSI PRM: LIGHTING

### SUBJECT RELATED TO

SG INF

DECISION 2008/164/EC (TSI PRM)

### DESCRIPTION AND BACKGROUND EXPLANATION

#### Scope

This RFU covers the interpretation TSI PRM 2008/164/EC, chapter 4.1.2.10.

#### Introduction

In chapter 4.1.2.10 the TSI PRM says:

“From the accessible building entrance to the platform access point, the obstacle-free route shall be illuminated to a minimum of 100 lux, measured at floor level, within the confines of the station building. The minimum required light level on the main entrance, stairs, and at the end of ramps, shall be a minimum of 100 lux measured at floor level. If artificial lighting is required to achieve this, the required lighting level shall be a minimum of 40 lux above the ambient surrounding light levels, and have a colder colour temperature.

Platforms and other external station passenger areas shall have a minimum average illumination level of 20 lux measured at floor level, with a minimum value of 10 lux.”

The following points are to define:

- 1) The platform access point.
- 2) The confines of the station building.
- 3) What are the requirements for lighting (if any) on the obstacle-free route connecting the confines of the station building and platforms (for example subway, lifts or outer part of obstacle free route which doesn't fall into confines of the station building)?
- 4) What are the requirements for lighting (if any) on public areas inside confines of the station building in general not only on the obstacle-free route?
- 5) Chapter 4.1.2.10 contains following terms “illuminated to a minimum”, “minimum required light level”, “minimum required lighting level”, “minimum average illumination level”, “minimum value”. Due to absence of these terms in chapter 4.3, it is not completely clear what these terms mean. It is obvious that terms mentioned above must be clarified by the reference to European Standard.

**RFU PROPOSAL**

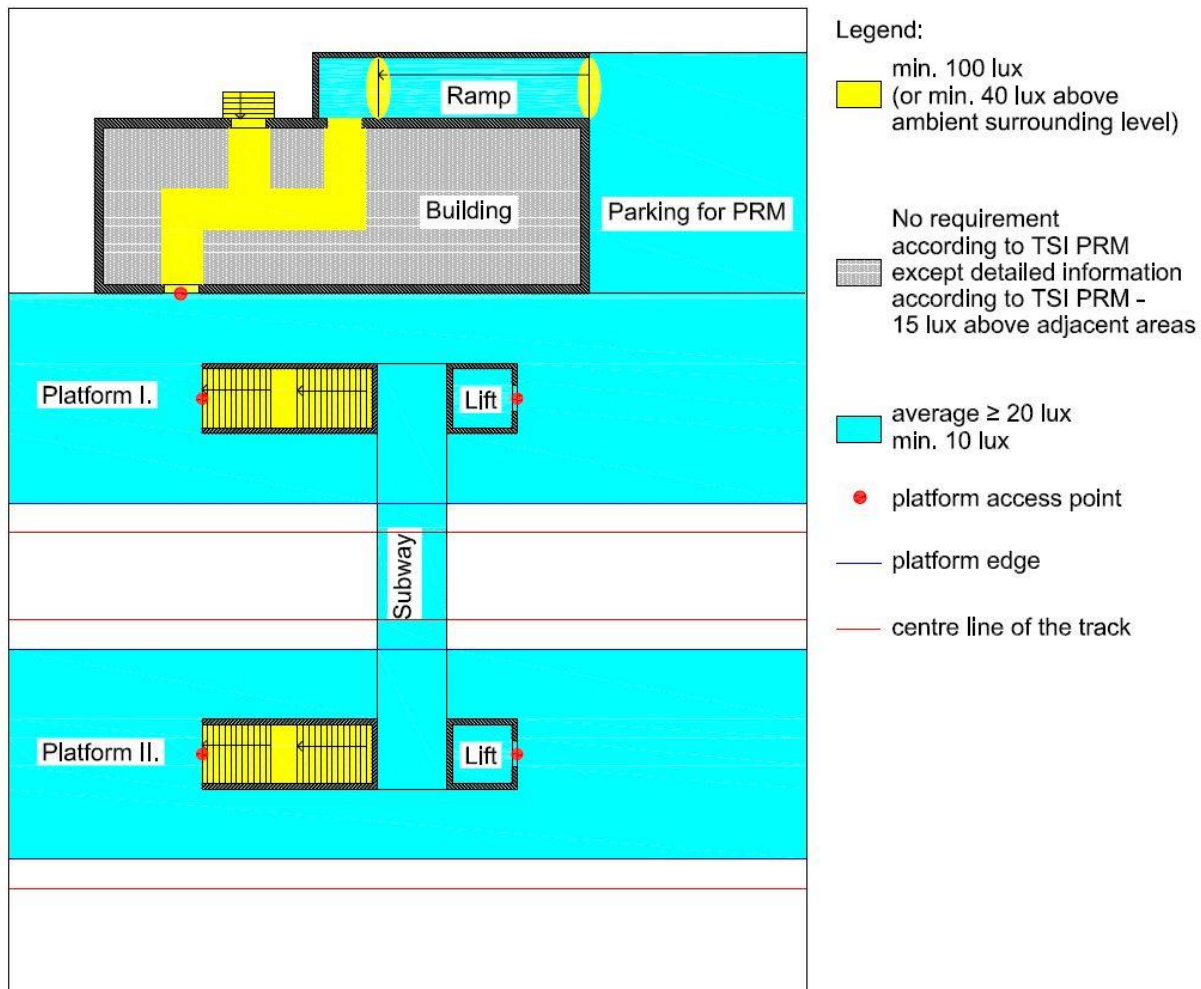
The SG INF has decided to propose the following definitions:

- 1) The platform access point is any point where the passenger can access the platforms (for example: end of stairs to platform, lift to platform, end of the ramp to platform, end of the footpath to platform or station building entrance directly linked to platform, etc.).
- 2) The confines of the station building are the walls of the station building.
- 3) There are no extra requirements for lighting according to TSI PRM on the obstacle-free route connecting the outside of the confines of the station building and platforms except minimum average illumination level of 20 lux measured at floor level, with a minimum value of 10 lux. See the attached sketch below.
- 4) There are no requirements for lighting on public areas inside confines of the station building in general except the obstacle-free route and except detailed information according to TSI PRM. See the attached sketch below.
- 5) Definition of terms relating to lighting is made clear by following table:

Defined term	Definition
Illuminated to a minimum	Minimum illuminance $E_{min}$ (as defined in EN 12665, clause 3.2.13)
Minimum required light level	
Minimum required lighting level	
Minimum value	
Minimum average illumination level	Maintained illuminance $\bar{E}_m$ (as defined in EN 12665, clause 3.2.15)

All lighting levels mentioned in chapter 4.1.2.10 are service lighting levels.

Based on the proposal above, the required lighting levels given in TSI PRM, 4.1.2.10, are illustrated in the following sketch:



**DATE OF AGREEMENT AT NB RAIL PLENARY MEETING**

16/02/2011