

Category 1 Standard

S1168 Track Asset Walkways

Issue No.: A3

Issue date: June 2013
Review date: June 2018

MAYOR OF LONDON

 **Documents**
Document Sharing Hub



Contents

1	Purpose	3
2	Scope	3
3	Requirements	3
3.1	General	3
3.2	Categorisation	3
3.3	Design principles	4
3.4	Clearance from track and protection from trains	4
3.5	Clearance and protection from conductor rail	5
3.6	Dimensions	5
3.7	Layout of cross-track walkways	5
3.8	Steps, ramps and walkways at height	6
3.9	Construction	6
3.10	Demarcation	6
3.11	Signage	7
3.12	Lighting	7
3.13	Inspection	7
3.14	Maintenance	8
3.15	Access points and routes	8
3.16	Records	9
3.17	Evidence of compliance	9
4	Responsibilities	9
5	Supporting information	10
5.1	Safety considerations	10
6	Reference Section	11
6.1	References	11
6.2	Abbreviations	11
6.3	Definitions	11
6.4	Person accountable for the document	12
6.5	Document history	12
7	Attachments	13
7.1	Guidance on walkway dimensions	13



1 Purpose

- 1.1 The purpose of this standard is to define the requirements for the design, inspection and maintenance of track asset walkways and access thereto.

2 Scope

- 2.1 This standard applies to all track asset walkways.
- 2.2 This standard does not apply to the following:
- a) walkways that are sited on a non-ballasted underbridge;
 - b) the structure forming a walkway where it is an integral part of a bridge or other structure adjacent to or supporting the track. This is covered by the Civil Engineer (LU)'s standard;
 - c) walkways within buildings.
- 2.3 This standard covers the categorisation, location, design, construction, demarcation, signage, inspection and maintenance of track asset walkways. It includes access points and routes to track asset walkways.
- 2.4 Where it is mandatory that any of the supporting information in Section 5 of this standard is to be applied, the appropriate requirement is set in Section 3.

3 Requirements

3.1 General

- 3.1.1 Track asset walkways shall provide safe walking routes for persons to move about the track.
- 3.1.2 New or re-configured track layouts shall take into account the need for safe walkway routes.
- 3.1.3 Walkways shall be designed to minimise the need for persons to cross the track. New cross-track and four-foot walkways shall be provided, or existing ones retained, only where a risk assessment shows that it is not reasonably practical to provide alternative routes.
- 3.1.4 Walkways shall be provided on longitudinal-timbered bridges. However, detailed requirements for their configuration are outside the scope of this standard.

3.2 Categorisation

- 3.2.1 For the purpose of setting requirements in this standard, track asset walkways are classified as follows:
- a) **Type 'R' track asset walkway:**
Restricted walkways that can be used only by persons certificated to be on or near the track. They are normally places of safety, but where not they are identified by appropriate surface marking.
 - b) **Type 'A' track asset walkway:**



Access walkways where train crews and other certificated railway personnel regularly need to walk in close proximity to trains or rail mounted vehicles, or along the four-foot to gain access to or egress from trains or rail mounted vehicles. Such walkways may provide a link to other walkways or they may be self-contained, for example at the approach to certain type of lineside equipment. By their nature they are not places of safety and surface marking is required to denote this (but see exceptions in clause 3.10.3).

c) Type 'G' track asset walkway:

General walkways that may be used by railway personnel not certificated to be on or near the track and the general public. Such walkways can also be used to provide public rights of way. Other than where they cross the track they are always in places of safety and will be separated from nearby tracks by barriers.

3.3 Design principles

3.3.1 The design of a track asset walkway shall be preceded by a risk assessment which shall consider:

- a) the operational use of the walkway: this shall take account of footfall, and the need for users to pass each other or to carry equipment, which may indicate a need for a greater walkway width than the minimum in this standard;
- b) workplace risk assessments: these should address as a minimum the possibility of the walkway being obstructed by, for example, the opening of doors of cabinets, and the need for handrails where the walkway is elevated;
- c) factors that might present risks to persons using the walkways, particularly the possibility of falls;
- d) the need for measures to manage and mitigate the risks identified.

3.3.2 The design of a track asset walkway shall ensure that:

- a) the walkway is suitable for the specified type and frequency of use;
- b) it provides unobstructed sighting of approaching trains or rail-mounted vehicles;
- c) it is free from slipping and tripping hazards;
- d) it has minimum maintenance requirements;
- e) it will not act as a litter trap;
- f) it will not run alongside or cross conductor rails, except if necessary in the case of four-foot walkways;
- g) it is demarcated from the adjacent ground;
- h) it has effective drainage.

3.3.3 Walkways should be constructed at a level relative to the surrounding ground which minimises the risks of

- a) injury to users inadvertently stepping off the side of the walkway;
- b) ground material migrating onto the walkway surface.

3.4 Clearance from track and protection from trains

3.4.1 The minimum distance between the closest edge of type "R" and type "G" track asset walkways and the nearest running edge shall be in accordance with the "walking" places of safety requirements in LU standard S1156.