

TR 85 : 2021
(ICS 45.120)

TECHNICAL REFERENCE

Maintenance regime for the Permanent Way



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The Technical Committee set up the Working Group on maintenance regime for the Permanent Way to prepare this standard. The Working Group consists of the following experts who contribute in their *individual capacity*:

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The organisations in which the experts of the Working Group are involved are:

Asia Rail Engineering Pte Ltd
Land Transport Authority
Nanyang Technological University
SBS Transit Ltd
Singapore Armed Forces
Singapore Institute of Technology
Singapore Polytechnic
SMRT Trains Ltd
The Institution of Engineers, Singapore

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Foreword

This Technical Reference (TR) was prepared by the Working Group on maintenance regime for the Permanent Way set up by the Technical Committee on Railway Systems under the purview of TCSC.

This TR aims to promote common understanding and consistency of the maintenance regime for Permanent Way assets.

This TR is a provisional standard made available for application over a period of three years. The aim is to use the experience gained to update the TR so that it can be adopted as a Singapore Standard. Users of the TR are invited to provide feedback on its technical content, clarity and ease of use. Feedback can be submitted using the form provided in the TR. At the end of the three years, the TR will be reviewed, taking into account any feedback or other considerations, to further its development into a Singapore Standard if found suitable.

In preparing this TR, reference was made to TR 81 : 2020, "Terminology and abbreviations for the Permanent Way".

Attention is drawn to the possibility that some of the elements of this TR may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

NOTE

1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions. Where SSs are deemed to be stable, i.e. no foreseeable changes in them, they will be classified as "Mature Standards". Mature Standards will not be subject to further review, unless there are requests to review such standards.*
2. *An SS or TR is voluntary in nature except when it is made mandatory by a regulatory authority. It can also be cited in contracts making its application a business necessity. Users are advised to assess and determine whether the SS or TR is suitable for their intended use or purpose. If required, they should refer to the relevant professionals or experts for advice on the use of the document. Enterprise Singapore and the Singapore Standards Council shall not be liable for any damages whether directly or indirectly suffered by anyone or any organisation as a result of the use of any SS or TR. Although care has been taken to draft this standard, users are also advised to ensure that they apply the information after due diligence.*
3. *Compliance with a SS or TR does not exempt users from any legal obligations.*

Maintenance regime for the Permanent Way

1 Scope

This Technical Reference (TR) covers the maintenance regime and replacement of any Permanent Way asset located underground, at grade and on elevated structures. It does not include the maintenance of power rail (including supports and fixtures), trackside equipment and vehicle gauges.

This TR applies to any person ("the working party") who is involved partially or entirely in a contract to build and maintain any Permanent Way asset in a rapid transit system in Singapore.

2 Normative references

There are no normative references in this TR.