

**TR 89 : 2021**  
(ICS 03.100.70)

**TECHNICAL REFERENCE**

**Safety performance and benchmarking system  
in a rapid transit system**



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The Technical Committee set up the Working Group on Safety Performance and Benchmarking System in a Rapid Transit System 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:

*DuPont Sustainable Solutions Singapore*  
*Land Transport Authority*  
*SBS Transit Ltd*  
*Schindler Lifts (Singapore) Pte Ltd*  
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## Foreword

This Technical Reference was prepared by the Working Group on Safety Performance and Benchmarking System in a Rapid Transit System set up by the Technical Committee on Railway Systems under the purview of TCSC.

This Technical Reference (TR) covers common safety performance indicators for the rail industry to allow for an objective, effective and efficient evaluation of safety performance.

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.

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# **Safety performance and benchmarking system in a rapid transit system**

## **1 Scope**

This Technical Reference (TR) covers leading and lagging indicators for safety performance in a rapid transit system, defined across the broad categories of employee safety, contractor safety and passenger safety in a rapid transit system (RTS).

## **2 Normative references**

There are no normative references in this TR.

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