Briefing Note

RAIL SAFETY AND STANDARDS BOARD

GKRT0057 issue two Lineside Signal and Indicator Product Design and Assessment Requirements

Background

Lineside signalling products convey information to authorised users involved with train operations by displaying readable signal aspects and indications. Signals and indicators with a diminished level of readability cause drivers to slow their train to read those signals. A high level of readability maintains the operational performance of the railway system. Consistent technical parameters that cover product appearance and readability performance will support readability at the interface between lineside signalling systems and train operations.

What is it about?

GKRT0057 issue two sets out requirements for lineside signalling products to support their readability, interpretability and driveability so the signal aspects and indications they display can be read when used as intended.

GKRT0057 issue two also specifies readability assessment requirements for products used as lineside signals and indicators so that authorised users can read their displays. This is a pre-requisite of obtaining an authorisation for placing a new or modified lineside signalling products into service.

What has changed?

GKRT0057 issue two supersedes GKRT0057 issue one and its associated guidance note GKGN0657 issue one, both are withdrawn.

Changes include:

- The structure of the document has been changed to include rationale and supporting guidance from GKGN0657.
- Changes to chromaticity limit as detailed in amendment AM001.
- Clarification for undertaking product assessment on each display.
- Amendment to horizontal spacing requirements for colour light signal displays.

What are the benefits?

This standard provides a single document with all the requirements, rationale and guidance for lineside signal and indicator product design and assessment.

Who is it for?

GKRT0057 issue two is for:

- Lineside signalling product manufacturers
- Infrastructure managers
- Product performance assessors
- Product performance facilitators.

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