



## Briefing note

### 17-030-New RIS-2712-RST On-Train Camera Monitoring Systems

#### New documents

Document number	Document title	Issue number
RIS-2712-RST	On-Train Camera Monitoring Systems	One

#### Documents to be withdrawn

Document number	Document title	Issue number
GMGN2606	Guidance on the Fitment and Functionality of Forward and Rear Facing Cameras on Rolling Stock	One

Standards Committee(s):	Rolling Stock (RST - Lead) Control Command & Signalling (CCS - Support) Traffic Operation & Management (TOM - Support)
Issue/withdrawal date:	07 March 2020
Documents come into force/cease to be in force:	Not applicable

## 1 Background

- 1.1 Rail Industry Standard (RIS) RIS-2712-RST issue one sets out requirements for on-train camera systems with supporting rationale and guidance.
- 1.2 This document supersedes GMGN2606 issue one which sets out guidance for the forward-facing camera.
- 1.3 The new standard does not discuss inward-facing camera systems in the cab as there is currently no industry agreement on their use, or body-worn camera systems as they are not considered be integral to the overall train system.

## 2 Key changes

- 2.1 RIS-2712-RST issue one has converted guidance set out in GMGN2606 issue one to requirements where appropriate, supported with rationale and guidance and reference to other applicable RISs and Euronorms (ENs).
- 2.2 Other on-train camera monitoring systems: forward-facing, passenger saloon, pantograph and track debris cameras are now included whereas GMGN2606 issue one only set out guidance for the forward-facing camera system.
- 2.3 Requirements for the use of current technology such as digital cameras, storage and recording of the video data in a digital format, and guidance on the use of an industry-standard video format, such as H.264, have been added.

- 2.4 Requirements are aligned with evidential requirements set out by the British Transport Police (BTP). These refer to the quality of video data which may be used by the BTP as part of their investigations.
- 2.5 Requirements and guidance related to physical and cyber security for the on-train camera systems have also been revised. This is relevant for remote access to the on-train systems by the Operator or BTP, with the intent to ensure that unauthorised persons cannot access, alter or tamper with the system.
- 2.6 Guidance related to the updated General Data Protection Regulation (GDPR) is also included.