



## Briefing Note

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### New document

Document number	Document title	Issue
GM/GN2606	Guidance on the Fitment and Functionality of Forward and Rear Facing Cameras on Rolling Stock	One

**Standards Committees:** Rolling Stock, Traffic Operation and Management, Plant and Control Command and Signalling

**Issue date:** 05 June 2010

### Background

The fitment of forward and rear facing closed circuit camera television systems (FFCCTV) camera systems is being undertaken by railway undertakings as a means of recording visual evidence for operational use and incident investigation. This guidance will allow railway undertakings to adopt a common methodology when installing FFCCTV camera systems on rail vehicles.

A number of significant safety and performance benefits associated with FFCCTV cameras and the images captured have been identified. Principally FFCCTV camera systems can be used to assist in:

- a) Investigation of incidents, accidents and near misses.
- b) Facilitating train service recovery, for example through confirmation of incidents as non-suspicious, or removing the requirement for extended down time while assets are tested, for example when resolving signalling irregularities.
- c) Crime prevention, for example prevention of cable theft through identification and arrest of individuals who are involved in trespass and other railway crime incidents.
- d) Undertaking infrastructure surveys.

### Scope

This guidance note is intended to provide information and guidance on the fitment and functionality most suitable for forward and rear facing CCTV camera systems on rail vehicles.

### Key elements

This document provides guidance for the requirements, fitment and functionality of FFCCTV camera systems on rail vehicle ends. This document also sets out guidance on the interfaces with other rolling stock systems that could be used to trigger a higher rate of recording mode of the FFCCTV camera system.

This document has been prepared on the basis that the forward and rear facing systems operate automatically and either independently of each other and any other system on the rail vehicle or as part of any existing CCTV system. This document also sets out guidance on the interfaces with other rolling stock systems that could be used as trigger inputs to the FFCCTV camera system.



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Areas covered by this document are:

- a) Forward and rear facing closed circuit television camera systems detailing the visual data to be stored on the rail vehicle.
- b) Interfaces with other rail vehicle systems.
- c) Off train equipment including reader / download interface requirements.
- d) Management of the recorded data, including the downloading, viewing and access to the data.

### **Compliance requirements**

GM/GN2606 is not mandatory and therefore has no compliance requirements.