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Level 3 Module

Management of Alerts and Alarms from Remote Condition Monitoring

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1 Purpose

Remote Condition Monitoring (RCM) systems are being implemented to provide information on the condition and potential faults on specified Assets on the Network Rail Infrastructure.

To ensure that the systems are used in a correct and consistent way, a suite of Standards has been produced to provide guidance and processes to be applied to the use and management of RCM systems.

This standard is one of the suite, which also includes standards for guidance on the Maintenance of Assets fitted with RCM, Installation of RCM equipment and Configuration and Calibration of the equipment. In places, specific reference and instruction is included to apply to the system and equipment fitted by the Intelligent Infrastructure RCM project.

2 Scope

This module of NR/L3/MTC/II0219 specifies the process for managing faults detected by the Intelligent Infrastructure Remote Condition Monitoring (II RCM) system and existing systems, and indicated by the generation of Alarms and Alerts.

This module covers the required action and activity following the receipt of the system Alarms and Alerts from RCM systems.

3 Definitions

For the purposes of this standard, the following terms and definitions apply.

Alarm
Indication provided by the Remote Condition Monitoring system that a failure of the asset is imminent. An alarm may also indicate the actual failure of an asset.

Alert
Indication provided by Remote Condition Monitoring systems that notifies reduced operational performance of the asset but that does not suggest an imminent failure.

Corrective maintenance
Rectification of a deficiency that prevents an asset operating to its designed purpose and specification

Fault
deficiency that requires corrective action to an asset

Remote Condition Monitoring System (RCM System)
RCM System is the Remote Condition Monitoring System that generates Alarm and Alert notifications from an asset. The strategic RCM System is the Intelligent

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