NR/L2/CTM/012/036 Competence & Training in Signal Engineering

Sig 36: Control planned and staged alterations to existing signalling systems.

1 Purpose.

The purpose of this competence standard is to define the competence requirements for persons required to control planned and staged alterations to existing signalling systems.

2 Scope.

This competence standard applies in all circumstances where any person is required to control planned and staged alterations to existing signalling systems on Network Rail managed infrastructure. This competence standard shall be used to assess the competence of people connecting or removing wiring or cables as part of staged alterations.

The level and extent of responsibility will include their own safety and that of others who might be affected by their work. The person will be expected to refer to others for authorisation when required, will be responsible for the implementation of the instructions and will work within set procedures and specifications. The person is responsible for the quality of their completed work.

3 Competence Standard.

This Competence Standard comprises one element.

Element 1 Control the installation of signalling components as part of staged alterations.

Element 2 Control the recovery of signalling components as part of staged alterations.

This is concerned with the ensuring that the installation and removal of signalling components is undertaken in a controlled, safe and effective manner to demonstrate compliance of the altered system design specifications. .

To prove competence in this unit, the person shall demonstrate their ability to complete installation/recovery in accordance with instructions. The person will have to show they can follow recording procedures and can follow reporting and escalation procedures.

4 Assessment.

4.1 Initial Assessment

Where the equipment is new to the person's area of responsibility evidence should be used from the satisfactory completion of training and mentoring and shall be gathered as defined in elements 1 and 2.

Performance evidence may come from a variety of sources and will include evidence derived from surveillance (direct observation) by an approved assessor. Evidence will also include detailed questioning and may additionally be supported by performance reports from the person's line manager.

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4.2 Re-Assessment

Re-assessment shall be completed in accordance with the applicable requirements set out in **7.2** of NR/L2/CTM/012.

4.3 Knowledge Evidence that is common to the whole unit.

You shall have knowledge and understanding of:

a) How the activity may affect the safe operation of the railway.

b) What procedures need to be followed to demonstrate operational and personal safety is maintained during the work.

c) How to avoid personal injury during the work.

d) What tools are required to complete the work and what equipment calibration is required.

e) What the limits of your responsibility and authority are.

f) Who is responsible for taking the equipment out of operational service and handing the equipment back the equipment to operational service.

g) Installation reporting documentation.

h) Reporting lines and escalation procedures.

i) Industry protocols relating to communication important safety information.

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