SIEMENS

Audience: Siemens Mobility Limited, Rail Infrastructure

EHS Fast Facts Alert

Subject: Signalling affected outside of possession

FF-003-2026

At 09.50 on 31/05/26, during an enabling stage to commission a new signal disconnection box on TL445 signal, a fuse was removed in Parks Bridge relay room to assist correspondence testing by de-energising some signal aspect control relays. Unknowingly, this fuse was the feed to several additional signal circuits in the area via a 50V positive looping circuit. Removing the fuse therefore also removed the feed to circuits for signals outside of the possession (TL233 and TL239). The timing of the fuse removal resulted in a SPAD alarm at TBROC due to the location of a train in the area.

The signaller returned signals to red in the affected area and contacted the local NR technician. Siemens testing staff were later informed and testing works were stopped until the fault had been understood and rectified. Testing was later completed with no further issues.

This event is now under a technical investigation to determine the facts.

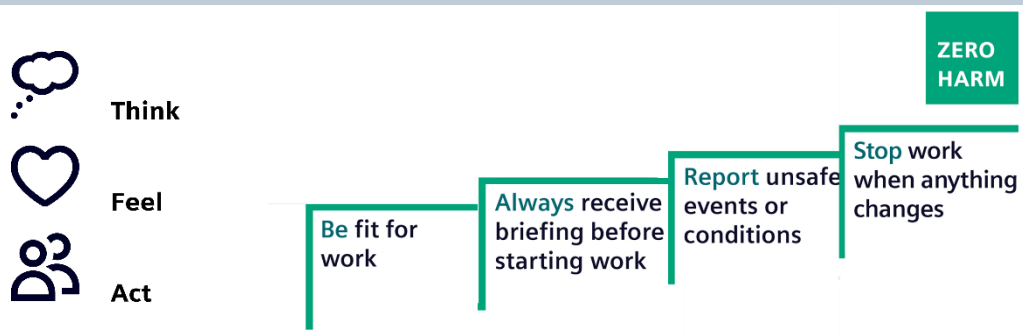
Why does this matter?

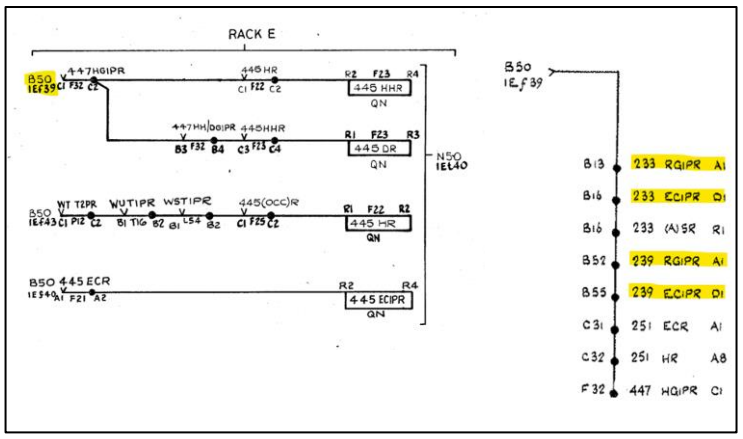
Legacy relay room circuits often have positive and negative looping with one fuse controlling several circuits. Inadvertent removal of a fuse can:

- Affect the running railway outside possession limits
- Cause unexpected failures of signalling equipment including signals and control room indications
- Introduce risk to safe railway operations

What should you do?

- Stop and verify understanding and presentation of signalling design circuits and looping in legacy relay rooms before removing any fuses
- If you are unclear on circuit presentation or how to proceed, follow Siemens *4 Steps to Zero Harm*: **stop works** and **report your concerns** to the Tester in Charge





Circuits indicating fuse and affected looping

Discussion Points:

- Is understanding of legacy signalling drawings and presentation clear?
- Is additional briefing required?
- Is there additional planning work that could be done prior to the possession?
- Are there any future enabling stages where a similar issue could occur?
- Do you feel able to Stop Works and check/report if you are not clear?

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Project: Parks Bridge
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Relevant Notify Entry: 83580

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