

Event details

Date of incident: 31/05/2026

Location of incident: Parks Bridge relay room

Discipline: CP6 Tail Signalling

Event description:

A fuse removed during testing unintentionally cut power to signals outside the possession, triggering a SPAD alarm.

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 also fed several signal circuits in the area outside of the possession footprint via a 50V positive looping circuit. Therefore, removing the fuse 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.

Initial causes identified:

- Removing the B50 fuse affected looped signals outside of the possession footprint.

Key issues for the investigation to consider:

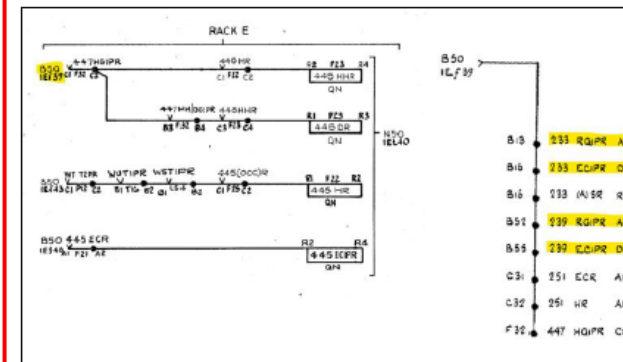
- Are legacy signalling drawings/ presentations clear and understandable?
- Is additional briefing required?
- Is there additional planning work that could be done prior to the possession?
- Do our teams feel able to stop works and check/report if they're not clear?

Don't Wait – Act Now!

Whilst the investigation is ongoing, we do not need to wait to act.

Some simple reminders:

- Before removing any fuses, stop and verify understanding and presentation of signalling design circuits and looping in legacy relay rooms
- If you are unclear on circuit presentation or how to proceed, stop works and report your concerns to the Tester in Charge



Circuits indicating fuse and affected looping

Immediate actions taken:

- The signaller returned signals to red in the affected area and contacted the local NR technician to investigate the reason for the SPAD alarm.
- The local NR technician was able to identify the cause of the SPAD alarm in consultation with the Siemens Principles Tester.
- Remaining testing activities were stood down and staff re-briefed to check on looping circuit arrangements before completing the remaining testing activities.
- Could this happen in another location: Yes

DCP: TBC

Level of investigation: Technical investigation