

SAI (a.c.) Newsletter

July 2019 - Issue 2



Introduction

Welcome to the 2nd newsletter from Single Approach to Isolation (SAI) a.c. Project.

The SAI (a.c.) Project is part of the wider Electrical Safety Delivery (ESD) Programme formed to increase workforce safety, deliver performance improvements for passengers, and increase Network Rail's (NR) compliance with the Electricity at Work Regulations (EaWR) 1989.

Over the last 10 years, electrical safety incidents involving Network Rail employees have led to 2 fatalities, 35 incidents of life changing injuries and a disproportionately high number of 'close calls' involving electricity.

This number is too high and we must be safer when we are working near electricity.


Key Standards

NR/L3/ELP/29987 (aka. Green Book) will be replaced by NR/L3/ELP/25000 during trial.

Only the identified personnel working within the agreed trial area (Ashton, which is just north of Hanslope Junction to Hillmorton) will be using the new standard.

Single Approach to Isolation (SAI) a.c. Project

Meet the Project Team Members / Put Faces to Names

 <p>Alex Buchinger Engineering Expert</p>	 <p>Philip Doughty Head of Contact Systems AC/DC</p>	 <p>Russell Shanley SAI Programme Manager</p>
 <p>Matt Skinner Principal Engineer (SME)</p>	 <p>Tony Da'Costa-Green ESIP Programme Manager</p>	 <p>Brittany Ferguson SAI (a.c.) Project Manager</p>
 <p>Mick Simmons Asst. E&P Engineer (SME)</p>	 <p>Vincent Omidina ESIP Project Manager</p>	 <p>Sian McCann Business Change Manager</p>

Standard (NR/L3/ELP/25000) Updates

- Replaces the existing standard, NR/L3/ELP/29987 within the specified area for the duration of the trial
- Has been signed off for publication by the Electrical Power Standards Steering Group (EP SSG)
- Endorsement by the Electrical Safety Review Panel (ESRP) & NW&C Route Safety Review Panel (RSRP) is expected in Summer 2019
- NR/L3/ELP/25000 will be available in preview mode on the Network Rail Standards website in Summer 2019, and is due for formal publication in September 2019



North West & Central (NW&C) Region Trial

The trial will take place in the former LNW South Route part of the Region, within the Rugby DU area.

The Route was selected by the ESD Programme Board as the location best suited to trial the new a.c. procedure and its aligning training material.

* Training of Frontline staff is expected to commence on 29th July 2019

* NR Trainers will undertake all training with the exception of Electrical Control Operators (ECOs) & On Track Plant Core (OTP Core). The latter competence being via eLearning

* Leeps have been contracted to undertake the ECO training

* Planning activities for new Earthed Isolations (as required by the new standard) are expected to commence in Autumn 2019

* The first Earthed Isolation under the new process is expected to be implemented in January 2020

* Frazer-Nash Consultancy have been contracted to monitor the SAI (a.c.) trial using Data, Reporting, Analysis and Corrective Action Systems (DRACAS)

* DRACAS is used to capture relevant information about incidents / issues arising from the new process and explores what corrective action can be implemented to eliminate or mitigate them

* Frazer-Nash will capture data via the use of questionnaires, feedback reports, observation of responses to the new standard and conversations with frontline staff

Demarcation Equipment

Demarcation equipment is one type of control measure that the new standard requires to be implemented, to control electrical risks arising from 25kV Overhead Line Equipment.

The project has designed, developed & trialled devices with assistance of various stakeholders across the railway industry, resulting in 6 devices achieving product acceptance.

Below you will see images of product accepted devices. These are available for purchase through our supply chain colleagues.

For more information, please contact Alison Heazell. (alison.heazell@networkrail.co.uk)

Further details and Demarcation FAQs will be available on Safety Central.

The hyperlink details are:- <https://safety.networkrail.co.uk/safety/electrical-safety/electrical-safety-delivery-esd/>

The Project has provided an adequate number of devices for the trial, and will fund further requirements if necessary.



Support

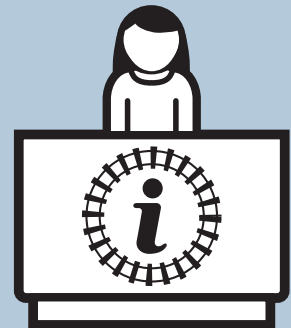
Throughout the trial there will be several methods of support available.

We expect to share information via Safety Central, dedicated email addresses for larger queries and floor walkers on hand to deal with any day to day items.

The SAI (a.c.) FAQs will soon be available on Safety Central.

The hyperlink details are:- <https://safety.networkrail.co.uk/safety/electrical-safety/electrical-safety-delivery-esd/>

Submit your questions/feedback to: AC-SAI@networkrail.co.uk



Education & Competence (E&C)

* Training materials have been finalised for the SAI (a.c.) trial

* Train the Trainer activity commenced on the 22nd July 2019

* Trainers are expected to be awarded their competences on the 26th July 2019

During this process, we would welcome feedback on the training materials and techniques ahead of National Rollout.

