National Equipment Defect Reporting Scheme (NEDeRS)

J Clendon, AM Forum 2017

ASSET MANAGEMENT

2017

EEA.CO.NZ

NEDeRS

NEDeRS - National Equipment Defect Reporting System

ENA UK runs the NEDeRS® which gives its subscribers access to an international database of some 47,000 reports from service providers and industrial users on electrical equipment defects from manufacturers worldwide.

The EEA administer the system and provide support and advice for its users in NZ.

Purpose

combine experience of users regarding Defects to enable appropriate action be taken to:

1. Prevent further dangerous conditions arising
2. Prevent further failures from the Defect
3. Identify the most cost-effective remedial measures
4. Identify necessary amendments to existing preventative measures or maintenance procedures
5. Keep standardisation bodies and manufacturers informed about features of existing designs which have caused problems

Dangerous Incident (DIN)

A dangerous incident is one where the incident resulted in or could have resulted in a fatality or serious injury with an item of plant.

Suspension of Operational Practice (SOP)

A notification of a company-specific suspension/change in some operational practice or procedure with an item of plant, for example, circuit breakers to be operated from a remote location or access restrictions around plant items.

National Equipment Defect Report (NEDeR)

A notification of a design defect or in service problems/faults with plant items.

Defect

A potential DIN or NEDeR which is recorded for reference purposes. These are not circulated.

What NEDeRS useful for?

- **Safety:** Keep up to date with DIN and SOP reports to be aware of hazards that may arise from existing equipment for workers and the public

- **Asset Management**: understanding problem areas, failure modes and possible preventative measures

- **End of life:** Find out when equipment of a certain era is beginning to fail

- **Procurement:** get independent information on how well new equipment is performing

Advanced search criteria including:

- Reporting company
- Manufacturer group
- Manufacturer
- Cause
- Equipment
- Equipment Type

- Voltage group
- system voltage
- Insulation/interruption medium
- Failure component
- Operating Environment

Further Developments…

- Many organisations have signed up, but some are not using the service as much as they could. How can the EEA help?

- **Vincent Hay**, who runs NEDeRS for ENA UK, will be coming to NZ later in the year. There may be an opportunity to set up a **user group meeting**

- Develop **reporting** on failure trends for certain equipment types. NZ industry could petition for further analysis of NEDeRS data for members.
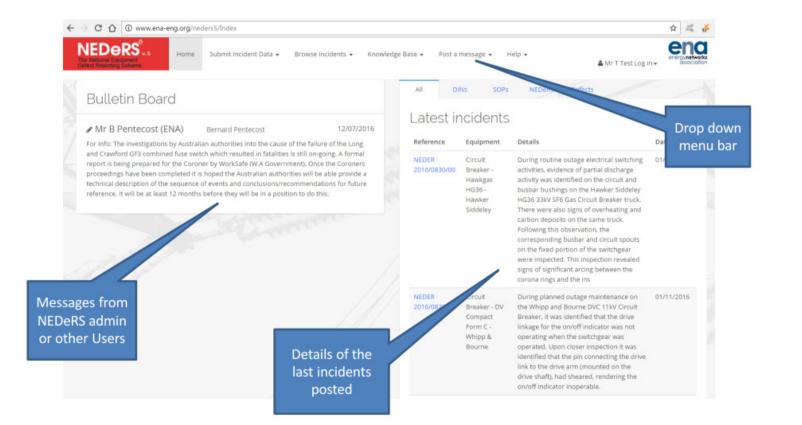
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Questions, comments or feedback?

Entry Page

Interest Profile

Select what you want the scheme to notify you about

Profile choices displayed for future reference

Remove criteria if your needs change

Advanced Search menu

Use as many of these fields as you need

Search Results

Sign Ups

Electronet/Westpower	PowerNet	Network Tasman	Buller Electricity
Horizon Energy	Delta Networks	Alpine Energy	Vector
WEL Networks	Mainpower	Electra	Transpower
Wellington Electricity	Marlborough Lines	Eastland Network	Meridian Energy
Powerco	EA Networks	Waipa	Mighty River Power
Orion	Counties Power	Network Waitaki	Contact Energy
Northpower	TOP Energy	Centralines	Genesis Energy
Unison	The Lines Company	Scanpower	Trustpower
PowerNet		Nelson Electricity	