

# Corona Times

30th JUNE 2022  
EDITION 33



empowering  
networking  
globalknow-how

**CORONA:** "a luminous, audible discharge brought on by the ionization of a fluid such as air surrounding a conductor that is electrically charged".



A MONTHLY NEWS-SHEET TO PROVIDE INFORMATION AND UPDATES TO CIGRE MEMBERS

## TECH TALK

A series of links to CIGRE Technical documents

### MITIGATING THE RISK OF FIRE STARTS AND THE CONSEQUENCES OF FIRES NEAR OVERHEAD LINES FOR SYSTEM OPERATIONS - TB868

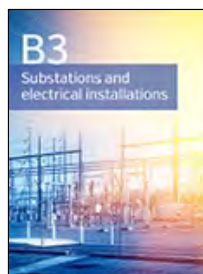
A study was undertaken of the wildfire risk management practices of distribution and transmission utilities, in countries which experience significant wildfire activity. Utilities were surveyed and the findings from the survey were collated into the emergency management Prevent-Prepare-Respond-Recover framework.



These findings from the study provide an opportunity for utilities already managing significant wildfire risk, to enhance their current practices, or for utilities for whom this risk is emerging, a starting point for preparing comprehensive wildfire risk management plans.

### DESIGN GUIDELINE FOR SUBSTATIONS CONNECTING BATTERY ENERGY STORAGE SOLUTIONS (BESS) - TB869

This Technical Brochure provides design guidelines for substations connecting battery energy storage solutions (BESS) across the life-cycle stages from design and development through to commissioning and asset management of the substation.



### THE CONDITION OF SOLID TRANSFORMER INSULATION AT END-OF-LIFE - RP321\_1

The present report details the issues around the physical EoL parameters, discusses unknown correlations of aging records with aging status of solid insulation, and unveils and describes related gaps in knowledge. Uncertainties are generated and associated to monitoring data, oil sampling challenges with temperature and related water, acids, furanic compounds partition, mainly 2FAL (2-Furfural) occurrence dependence on paper thermal upgrading and loss due to oil change and/or treatments, etc.



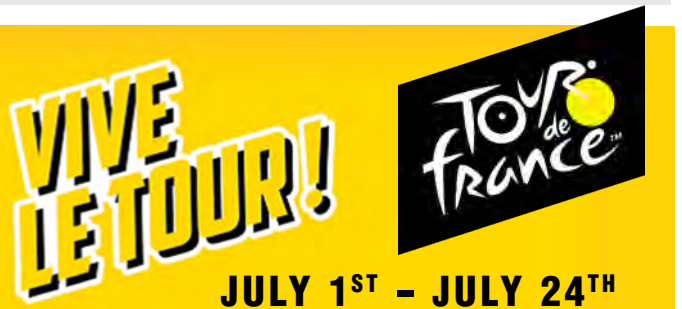
## WEBINARS - FREE

### INDUSTRY PROTECTION WEBINAR - FREQUENCY PROTECTION DOWN UNDER - NEW CHALLENGES

This Webinar offers some topical insight and discussion into the subject of frequency protection challenges in the Australian environment. It particularly relates to the challenges of under frequency load shedding (UFLS) in the presence of embedded solar generation. Recent power system events have highlighted existing challenges and several utilities are working on protection and automation solutions.

Presented by: **Callide Event and Associated Under Frequency Load Shedding (May '21)**

Presented by **Gavin Lee - Senior Engineer Protection Systems (Powerlink)** and **Bruce Capstaff - Principal Engineer Protection (Powerlink)**



**Cadel Evans** is the only Aussie to have won the Tour (2011), although fellow Aussies Phil Anderson, Stuart O'Grady, Bradley McGee, Robbie McEwan, Simon Gerrans and Rohan Dennis all wore the *maillot jaune* at the end of a stage but never won a Tour.

**Tune in to SBS to view all the ACTION !**







CIGRE Australia in conjunction with our C6 Technical panel (Active Distribution Systems and Distributed Energy Resources) was pleased to be able to present the 4th CIDER (**Conference on the Integration of Distributed Energy Resources**) in Adelaide in May 2022.

As with previous CIDER events, this provided two days of interesting technical content delivered by practising hands on technical experts in their field.

**CIDER22 - Presentation as VOD now available for purchase - [download instructions & link here](#)**

If you were not able to attend the event, you can now purchase the presentations for viewing via our VOD platform [CLICK HERE](#) or ABOVE to view the program and select the sessions you would like to view.



### Australian Technical Panel Presentations:

These can now be found on our [YouTube](#) channel and summarise the work being carried out in each of our 16 Technical fields of work.

**e-cigre:** The go to site for all CIGRE documentation and Technical Brochures.

Through e-cigre you can search the vast technical database of 14,000 + items, order Green books or view a range of Webinars and search for past Electra editions.

<https://e-cigre.org/>



### COLLECTIVE MEMBERS PROFILE



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- Power & Distribution Transformers
- Circuit Breakers & Switchgear
- Cables & Instrument Transformers
- Motors and Generators.
- Lines & Feeders

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