Corona Times

cigre Australia

empowering
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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

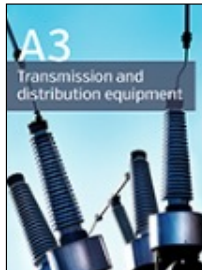### SERVICE CONTINUITY GUIDE FOR HV GIS ABOVE 52 KV - TB870

The Service Continuity Guide handle all relevant topics during Maintenance, Repair, Extension (MRE) or on-site dielectric testing for GIS above 52 kV. It enhances the effective cooperation of users and manufacturers through 1) Definition and selection of MRE Codes, 2) Clear responsibilities, 3) Description of the main technical aspects including safety issues, 4) Recommendations for users and manufacturers and 5) Provision of use cases. It supports the use of IEC 62271-203:2022 Annex F.

**B3** Substations and electrical installations
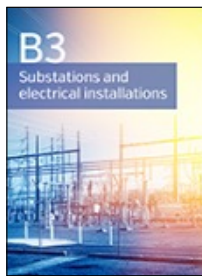
CURRENT INTERRUPTION IN SF6-FREE SWITCHGEAR - TB871

The Technical Brochure of WG A3.41 deals with the technology, availability and application of SF6-free transmission and distribution switchgear. It focuses on the mainstream of upcoming SF6-free current interruption technologies, on the one hand based on interruption in natural-origin gases and their mixtures with fluoronitrile (C4-FN), fluoroketone (C5-FK), and on the other hand based on technical air-insulated vacuum circuit breakers.

A3 Transmission and distribution equipment

NGN NEWS
News from our Young Engineer Group (U 35yo)

Ahead of the CIGRE Australia AGM in September, the NGN Committee will be seeking expressions of interest for available roles within the committee. There are quite a few roles that need successors so keep an eye out for an email later this month or early next month. We encourage all NGN members interested in contributing at a committee level to submit a nomination, regardless of how long they have been involved in CIGRE.

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.

ELECTRA REFERENCE PAPER
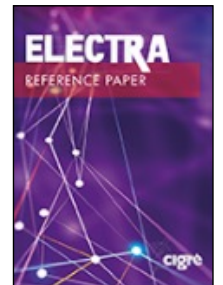
AUSSIES DOMINATE at the COMMONWEALTH GAMES (AGAIN!)

CGF code	**AUS**
CGA	Commonwealth Games Australia
Website	commonwealthgames.com.au

in Birmingham, England
28 July 2022 – 8 August 2022

Competitors	430 (199 men and 231 women) in 21 sports
Flag bearers (opening)	Eddie Ockenden / Rachael Grinham
Flag bearer (closing)	Melissa Wu

Medals Ranked 1st	Gold 67	Silver 57	Bronze 54	Total 178

Commonwealth Games appearances (overview)

1930 · 1934 · 1938 · 1950 · 1954 · 1958 · 1962 ·
1966 · 1970 · 1974 · 1978 · 1982 · 1986 · 1990 ·
1994 · 1998 · 2002 · 2006 · 2010 · 2014 · 2018 ·
2022

CIGRE Australia

CAIRNS 2023 INTERNATIONAL SYMPOSIUM
4TH – 7TH SEPTEMBER

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CIGRE

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/

WEBINARS - FREE

RECOMMENDATIONS FOR MECHANICAL TESTING OF SUBMARINE CABLES FOR DYNAMIC APPLICATIONS - WB039

Dynamic cables connecting floating platforms must be able to withstand the motions induced by the floating device during its service life. This kind of application is expected to become more widespread in the coming years to connect floating windfarms.

B1 Insulated cables

CIGRE Working Group B1.63 developed Technical Brochure 862 to provide recommendations for mechanical testing of submarine cables for dynamic applications.

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it's on!
Paris Session 2022
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28 aug. 02 sept.
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CIGRE

COLLECTIVE MEMBERS PROFILE

GRIDSIGHT

Gridsight is a data-driven cloud analytics platform that helps electrical utilities transition from traditional "poles and wires" businesses to distributed system operators. Gridsight applies machine learning to disparate network data sources to generate advanced network insights that can be explored interactively. These insights enable utilities to quickly and safely support more residential solar, batteries and electric vehicles, and more quickly identify safety hazards such as broken neutrals and circuit open points. Gridsight was founded in 2020 to maximise the renewables global electricity networks can host as quickly and as safely as possible.

www.gridsight.ai