



2022 WebTute 1

Welcome & Introduction

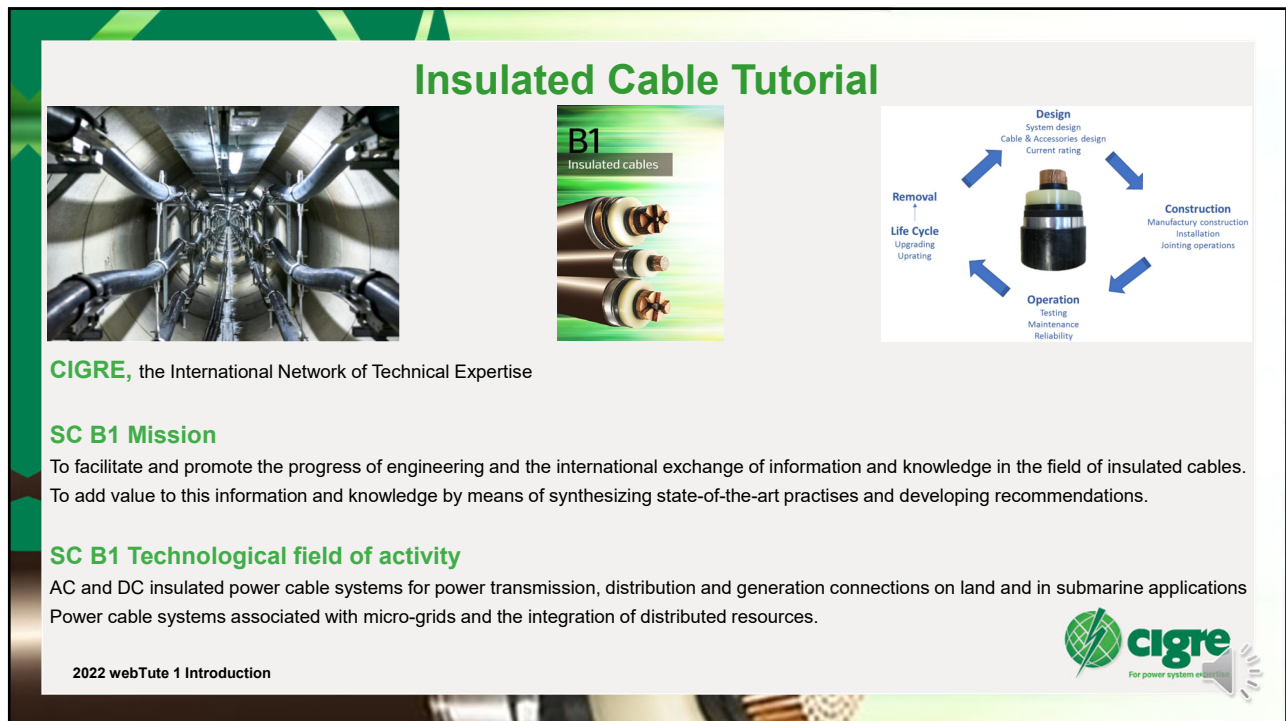
Russell Wheatland
Convenor CIGRE AU B1
March 2022

cigre
For power system expertise

B1
Insulated cables

1

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Insulated Cable Tutorial

CIGRE, the International Network of Technical Expertise

SC B1 Mission

To facilitate and promote the progress of engineering and the international exchange of information and knowledge in the field of insulated cables. To add value to this information and knowledge by means of synthesizing state-of-the-art practises and developing recommendations.

SC B1 Technological field of activity

AC and DC insulated power cable systems for power transmission, distribution and generation connections on land and in submarine applications
Power cable systems associated with micro-grids and the integration of distributed resources.

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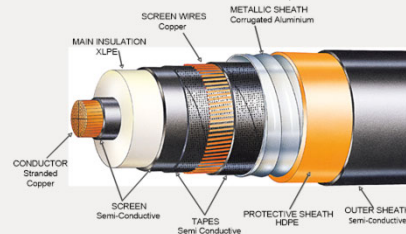
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2022 – webTute program

- Webtutes began in 2020 when face to face meetings were not possible due to the Covid pandemic
- The AU B1 and NZ B1 panels joined together to prepare and deliver what we called webTutes
- Cable topics of interest presented in a tutorial format allowing Q&As.
- An introduction to the wider industry on all things related to insulated cables
- For the webTutes, power cables will be defined as those rated at MV, HV and EHV levels
- To date we have covered a wide range of topics and based on these success, we continue into 2022



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Cable Seminar - webTutes

These webTutes offer some sign posts for you to find the information that you need



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Cable Seminar - webTutes

Today's Program : **Quality assurance of insulated cable**

Presentation

- a. Asset life cycle management - Guidelines TB787
- b. Failure modes and maintenance of HV Cables TB279/TB825
- c. PD assessment Diagnostics tools TB728
- d. Cable maintenance strategy development

Q&A

Case study (from Aurora)

Q&A

Case Study (QA - life cycle management)

Q&A

Close out

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