

Future Network Security of Supply Requirements for New Zealand

14 June 2007, Sky City Convention Centre, Auckland



Electricity Engineers'
Association

Topic

A reliable and secure supply of electricity is a vital part of the energy supply needs of present and future generations. Assurance of an acceptable electricity supply is about managing customer expectations and supply vulnerabilities and making informed decisions for the future. We have a shared responsibility for creating the balance between multiple and at times competing goals and determining the price/quality trade-off based on consultation with customers.

The aim of the Workshop is to review the present situation in New Zealand with regard to electricity supply reliability, security and quality and evaluate the issues, technologies and customer needs. An associated goal is to update the EEA Guide on Security of Supply in NZ Electricity Networks.

Motivation

The concerns of consumer groups about the ongoing provision of a secure and reliable supply of electricity well into the future have been heightened by the supply outages experienced in Auckland and the lower South Island in June 2006. Questions are being asked of the main players in the industry, including the Electricity Commission, Transpower and distribution companies on how they will ensure the security of supply so that the New Zealand economy does not suffer and everyone will continue to enjoy a modern first-world electricity supply.

This Workshop will provide a valuable input into the revision of the EEA Guide by providing a suitable forum for collecting industry input and discussing supply options from a wide range of interested parties. The process of updating the EEA Guide will benefit from this interaction and make the resulting document more relevant. Current regulatory reviews and industry studies on overall electricity supply vulnerabilities for New Zealand will assist in determining the most appropriate security criteria for customers. Customer group representatives will be asked to provide their views on supply issues in their own areas

Speakers

Three international experts are presenting papers at the Workshop. They will provide experience from a global perspective and describe the security of supply situations in the UK, Australia and the USA. The regulatory regimes will also be reviewed to compare approaches in each country.

Local NZ speakers will be drawn from generation, transmission and distribution companies. Customers will present the large, medium and small as well as rural users' views on what constitutes for them a secure and reliable power supply. Regulatory views will also be presented.

Venue

A one-day Workshop on the above Topic will be held at the Sky City Convention Centre in Auckland on 14 June 2007 prior to the annual EEA Conference on the 15 and 16 June 2007.

1 Introduction

Opening remarks and format Tas Scott/George Hooper/Geoff Cardwell

2 International Keynote Speakers

Invited speaker - Overview + UK experience	John Scott (Ofgem & IET)
Invited speaker - CIGRE + Aus experience	Phil Southwell (CIGRE AP C1)
Invited speaker - IEEE + US experience	Mohamed Shahidehpour (IEEE/PES)
<i>Tea/coffee Break</i>	<i>Networking</i>

3 Customer Needs

Invited speakers from the Large Customer Group, Medium Customer Group, Small Customer Group, Rural Customer Group (2013+), and a Supply Performance Review

• Panel Discussion

Present status and customer needs	Panel speakers from above
<i>Lunch Break</i>	<i>Networking</i>

4 National Regulator

Invited speaker from the Electricity Commission

5 Service Providers

Invited speakers from the Generators, Transpower & Distributors

<i>Tea/coffee Break</i>	<i>Networking</i>
-------------------------	-------------------

• Panel Discussion

Focus on NZ issues and EEA Guidelines	Panel speakers from above
---------------------------------------	---------------------------

6 Summary of Workshop

Main outcomes/consensus	Tas Scott/Geoff Cardwell
-------------------------	--------------------------

Workshop Partners

CAENZ and EEA will combine, as in past years, to present the Workshop. This year the IET (UK), IEEE PES (USA) and CIGRE will support the Workshop through sponsored speakers and local organising activities. CAENZ is the Secretariat for the NZ National Committee of CIGRE. CIGRE has been involved in setting guidelines for security of supply over many years. It has recognised industry experts on Study Committees and Working Groups which deal with these topics.



How to Register

Further details in relation to the DG Workshop can either be accessed via the CAE website at www.caenz.com, or the EEA website at www.eea.co.nz. Registrations can be made online by credit card or by completing and returning an official registration form (available from the EEA website), together with payment, to the EEA by no later than Day, Date 2007.

If you wish to attend the EEA Conference (16-17 June) which follows the Workshop, Conference and registration details are available on the EEA website.

Registration Fees

The workshop registration fee is \$472.50 (incl gst) for registrations received by DATE 2007. A late registration fee of \$551.25 (incl gst) will apply from DATE 2007. The registration fee includes a set of the workshop notes and copies of all presentations, plus lunch, morning and afternoon teas.