

TRANSMISSION CODE OF PRACTICE GOVERNANCE ARRANGEMENTS

Terms of Reference - Issue 2 17 January 2011.

INTRODUCTION

The Transmission Code of Practice (TCOP) will be a set of technical planning requirements that Transpower will apply to ensure that the transmission grid as a whole remains resilient and fit for purpose.

The TCOP will contain planning requirements for certain key technical areas..It already contains planning requirements for three areas: - Special Protection Schemes, Planned Outages, and Reactive Compensation.

The second version of the TCOP will contain planning requirements in three additional areas:-

- Grid Connection
- Substation configuration
- Fault Levels

These terms of reference cover development of the TCOP for these three additional areas.

GUIDING PRINCIPLES

The TCOP will be:-

- A Transpower owned, public document
- Developed in consultation with the industry]
- Consistent with provision of a resilient and fit for purpose transmission grid
- Consistent with prevailing Acts, Code and Regulations
- Complemented and informed by Transpower's technology strategies such as Transmission Tomorrow and other public documents
- Integrated with Transpower's long term asset management strategy
- Founded on a strategic approach that is economically and technically robust
- Be based on the use of international Good Electrical Industry Practice (GEIP) for comparable transmission grids

The transmission code of practice will not:

- Specify detailed planning standards or day-to-day procedures for planning and operation of the grid
- Deal with operating and planning matters such as demand forecasting, outage planning, testing and monitoring of users, co-ordination of maintenance, or other operational requirements.

GOVERNANCE

Transpower, with responsibility for the grid's resilience and fitness for purpose, will have the final decision on the content of the TCOP. However, Transpower's development and maintenance of the code will be undertaken collaboratively and transparently with the industry and end-use consumers.

To facilitate this, an industry Technical Working Group has been established to advise on the development of the next version of the TCOP

The Technical Working Group will work with Transpower's engineers and consultants, providing technical input, technical challenge and industry knowledge.

A Transpower Steering Group has also been established for internal project management purposes only. This group consists of John Clarke, Bob Simpson and Andrew Smail.

ROLE OF THE TECHNICAL WORKING GROUP

Industry participants on the Transmission Code of Practice Technical Working Group will be:-

Tim Chatterton (Vector)	Ray Brown (Meridian Energy)
Tristan Maunsell (Todd Energy)	Tas Scott (Orion Group)
Richard Whitelaw (NZ Steel)	Michael Whaley (Powerco)
James Collinson-Smith (Contact Energy)	Peter Calderwood (Trustpower)
Nick Murray (Mighty River Power)	Rodger Griffiths (Westpower)
Richard Pearce (Genesis Energy)	Grant Crawshay (MRP)

Transpower participants on the Transmission Code of Practice Technical Working Group will be:-

- John Clarke (GM Grid Development)
- Bob Simpson (Chief Engineer)
- Siobhan Procter (Investment Strategy Manager)

And for technical assistance

- Andrew Renton (Asset Development Engineer)
- Graeme Ancell (Manager, Planning & Development)
- Simon Todd (Senior Grid Planning Engineer)
- Kevin Small (Investigations and Planning Manager)

The technical working group will:-

- Be chaired by John Clarke (Transpower)
- Provide a technical peer review of the work undertaken to date by Transpower to define standards in each of the technical areas under consideration
- Provide challenge to and further development of the problem definition and scope for each of the four technical areas
- Support and provide input to the analysis (both from a technical and where appropriate, economic perspective) of options

- Strive for consensus in relation to recommendations, but where they cannot be achieved within defined timeframes move forward by recording the differing view on a particular point or points.

Participants will act in an advisory role only, and their involvement will not bind their companies or organisations to support or accept the Transmission Code of Practice.

Transpower will provide administrative and technical support (and any necessary budget support) to the work programme and the operations of the Technical Working Group.

Items to be discussed at each scheduled meeting will be circulated in advance by the Chair.

The secretariat function will be provided by Carmen Blackler, Blackyard Consulting Ltd.

TIMELINE

Transpower is aiming to finalise the proposed technical requirements, comprising of the second phase of the Transmission Code development, by the end of May 2011.

TECHNICAL WORKING GROUP MEETING AND DELIVERABLES

Early October	Initial Meeting	Confirm governance arrangements, membership and terms of reference. Propose topics for inclusion into TCOP
Mid November	Meeting 2	Finalise scope of topics and agree schedule of work
December-January		Technical work on each topic
Late January	Meeting 3	Grid Connection / Substation Configuration
Early February	Meeting 4	Fault Levels
Mid February		Further technical work on each topic as necessary
Early March	Meeting 5	Review of Preliminary draft of Transmission Code of Practice
End March		Submissions on the Transmission Code of Practice
Mid April		Response to submissions
End April	Meeting 6	Final meeting of Technical Working Group
May		Finalisation of the Transmission Code of Practice
End May		Publication of second version of the Transmission Code of Practice