
**MINUTES OF MEETING OF TRANSMISSION CODE OF PRACTICE TECHNICAL WORKING GROUP
HELD ON MONDAY, 2 MAY 2011 AT 2:00PM.**

PRESENT: *Ray Brown (Meridian); James Collinson-Smith (Contact) – part time until 3:20pm; Dick Whitelaw (NZ Steel) – by phone, part time until 3:00pm; Tristan Maunsell (Todd Energy) – by phone; Grant Crawshay (MRP); Peter Calderwood (Trustpower) – part time arrived 3:20pm; Richard Pearce (Genesis); Kevin Small (TP); Siobhan Procter (TP); Bob Simpson (TP); Rodger Griffiths (Westpower); Graeme Ancell (TP); Andrew Renton (TP); Simon Todd (TP); Carmen Blackler (Blackyard Consulting)*

APOLOGIES: *Michael Whaley (Powerco); Tim Chatterton (Vector); Tas Scott (Orion); John Clarke (TP);*

Introduction:

Bob Simpson welcomed everyone, and thanked those who had provided written comments on the Transmission Code of Practice (TCOP) and the Technical Commentary documents prior to the meeting. It was agreed that the review of the two documents would be done in parallel, by section.

Discussion:

Definitions.

It was agreed that for simplicity only terms specifically defined in the documents would appear as bold.

Actions:

- Accept proposed editorial changes from written feedback
- Update the definition of Compensation Factor to recognise long term contracts for reactive support
- Amend the capacity and reliability definitions to be more consistent with the use of the terms within the documents, and in line with the definition in the Electricity Industry Participation Code

Special Protection Schemes

No significant changes. Some small editorial changes

Actions:

- Accept proposed editorial changes from written feedback

Planned Outages

It was explained that the most significant change in the chapter was the change from 70% to 50% for the “five day continuous outage” criteria. The Technical Working Group (TWG) queried whether this was too onerous. Transpower noted that the 50% is a trigger level for further analysis to determine whether additional investment is required.

Actions:

- Accept proposed editorial changes from written feedback
- Update wording on page 16, (Technical Commentary section: Outage Windows, first paragraph) to read “without”
- Change Figure 3 into bar chart

Reactive Compensation

No significant changes. Some small editorial changes

Actions:

- Accept proposed editorial changes from written feedback

Grid Connection

The TWG queried whether the title of the section should in fact be T-connections, as that is the main focus of the chapter

It was noted that the format of some of the diagrams were askew in the chapter. This may be resolved once the documents are converted into pdf file types.

Actions (TCOP document)

- Accept proposed editorial changes from written feedback
- Amend wording on page 15, (TCOP document, second to last bullet point on page) to read “Does not hinder the foreseeable future...”
- Amend wording on page 15, (TCOP document, last bullet point on page) to reflect reliability and quality. *Simon Todd* to draft paragraph.

The TWG questioned why in the Technical Commentary, the Type 1 Transpower owned spur line (Figure 26) was restricted to “first and only T on circuit”. Transpower noted that based on experience, it can take significant time to switch these connections if there are 2 T on the circuit. This extended switching time can have a negative impact on other aspects of managing the grid.

Actions (Technical Commentary document)

- Accept proposed editorial changes from written feedback
- Add words into Grid Connection Commentary about the merits of intended connection of generation. *Andrew Renton* to draft
- Add words, a generic catch all regarding physical connection to cover who owns the connection, and what the boundary points are for various connection options. *Andrew Renton* to draft.
- Accept amendments proposed by Ray Brown on page 51.
- Add words on pages 52-53 to explain the “general weighting principle” for the Selection Matrices tables. *Andrew Renton* to draft.

Substation Configuration

Actions

- Accept proposed editorial changes from written feedback.
- Update the GIP column of the tables with suggestions from Ray Brown, but convert to a range rather than a single number.
- Amend tables to note any differences for North Island/South Island generators and their configuration requirements.
- Add a paragraph on page 56 which covers the list of issues considered by generators when considering connection to the grid. *Ray Brown* to provide
- Add Value of Lost Load (VoLL), including default value, to the definitions.

Fault levels

Actions

- Accept proposed editorial changes from written feedback.
- Rewrite paragraph 9.2 of TCOP, to provide clarity around the meaning of 1.1 pu.
- Add note on fault level contribution from significant embedded generation, where known, to last paragraph on page 58 (Technical Commentary, section 9.2.3) and to subsequent tables. *Graeme Ansell* to update.

Next steps

The TWG agreed the timetable from this point should be as follows:-

	Indicative timing
TWG meeting	2 May 2011
Actions from meeting to be completed	5pm, 05 May 2011
Any further feedback from TWG to be provided to Transpower (in writing).	5pm, 05 May 2011
Update documents with feedback from TWG and post "final" version on Transpower website for wider industry review	09 May 2011
Wider industry comments close	27 May 2011
Transpower and TWG review of feedback (if any)	
Publish new TCOP and Technical Commentary documents on Transpower website	31 May 2011

Bob Simpson thanked the TWG for their attendance and closed the meeting at 3:40pm.