AS5804 2010 PARTS 1 -4 REVIEW

EEA Live Work Forum

Christchurch 5 Sep 2018

Mick McGreevy – Senior Transmission Support Engineer – Energy Queensland

AS5804 review committee

- Mick McGreevy (Energy Queensland) – chair
- Gary Shearing (Tas Networks)
- Rob Oldfield (Energy Safe Victoria)
- Ben Li & Peter Mobbs(Ausnet)
- Steve Hodgson (Ausgrid)
- Tony Baerwinkel (Endeavour Energy)
- Chris Davey & Rob Slager (SA Power Networks)
- Jason Sullivan (Powerlink Queensland)
- Tim Smith (Powercor)

Timeline

- Kicked off Feb 2017
- 7 face to face meetings all around Australia
- A number of teleconference / webex meetings
- Made a lot of progress but we keep finding more to do.
- Aim to have final draft for submission late 2018 / early 2019 – probably means publishing will be 6 – 12 months later - 2020

Proposed changes

- All parts reviewed together – significant cross referencing.
- Fix some errors – clearance tables and examples.
- Suspect insulation clause – was distribution non conductive pole centric – modified to be relevant to Transmission also.
- Adding info relating to reasonant earth systems – due to introduction of REFCL in Victoria

Proposed changes cont'

- Update to latest EMF references
- Change to allow not currently authorised persons to perform assessments, emphasis is on the relevant experience and knowledge.
- Changes to allow G&B EWP with no liner – basket rated and tested.
- Current measuring device to become mandatory when breaking bridges – also still working on adding info regarding checks and max lengths to energise.

Proposed changes cont'

- Discussion around guidance or requirement for entities to introduce a minimum amount of live work performed (hours / days or tasks) in order to maintain competence.
- Changes to reference standards and guidance on in-service testing of sticks / rope and conductive clothing. (current references more relevant to acceptance testing)
- More guidance on NCI and how to manage in live work.

Proposed changes cont'

- Intending to remove reference to different conductor temperature limits and reference item specific limits from manufacturer.
- Consideration of conductor temperature for live worker discussed possible using 50 degrees (from plumbing standards) as point to start considering controls (PPE ect)
- The standard currently references temps between 54 and 65 degrees for different items.

Questions