



Qualification Developments

Tim Stevens Industry Standards Development Officer

National Diploma in High Voltage Line Construction and Maintenance (Level 6)

- **Industry request to develop a Graduate Dip in HV line construction and maintenance**
- **4 QUT courses (offered in NZ through the EEA)**
- **3 Australasian Corrosion Association courses**
- **Submission to NZQA by year end**

Faultman Qualification

- **Career progression for line mechanics**
- **Advanced Line Mechanic qualification (2 years post registration)**
- **Level 5**
- **Competencies to include;**
 - **Fault analysis & diagnosis; the big picture**
 - **Reading schematic diagrams**
 - **Higher level understanding of electrotechnology**

Substation Maintainer

- **Aligned with Transpower TP.SS 06.21 competencies**
- **Meets all 14 competencies detailed in SM module**
- **Trainees undertaking Transpower training will cover 14 competencies**
- **NCES Electrical Level 4 minimum requirement for Electrical apprentices. Covers electrical SM(PR) units**
- **NC Mechanical Engineering requirement for Mechanical apprentices**

- **Aligned with Transpower TP.SS 06.21 competencies**
- **Meets requirements of MS and OCP modules**
- **Optional strands for Distribution Networks, Transmission Networks, and Operational and Co-ordination Planning**

Line Mechanic Distribution

- **Revised to align with requirements of Schedule 3**
- **Traffic control and four wheel drive standards made optional**

Cable Joints Level 5 Line Mechanic Distribution Level 5

- **To be reviewed**
- **Steering groups to be convened**
- **Line Mechanic**
 - **strand glove and barrier standards so qualification can be achieved with just hot stick standards?**
- **Cable Joints**
 - **Remove oil mechanic standards?**
 - **Remove gas processing standards?**
 - **Update joint and termination details**

Power System Protection

- **Standards 19481 and 21230 required review**
- **Three new standards developed; levels 4,5,&6**
- **3 courses available 2010; block courses at CPIT**
- **Training progression aligned to qualifications**
 - **NCES Electrical Level 4**
 - **NCES Power Technician Level 5**
 - **NDE Level 6**