



Electricity Engineers'
Association

LV Work Management System Development

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Group (SSPG).

Background

- ESI safety performance for work on LV is poor
- Need to ensure management of work on LV equipment is best practice
- ESI no longer easily controls whether LV distribution networks are live or isolated.
 - Extensive roll-out of PV installations
 - Expect increasing numbers of battery installations
 - Other new technologies

Background ctd

- Need to protect right to safely perform live LV work is critical
- Need to retain ESI control on work on LV equipment

Criticality

- An effective LV work management system is viewed as critical for the ESI
 - Needs to address both live and de-energised work
 - Visibility of the network/equipment is essential
 - Ability to switch and isolate
- Asset owner accountability
- Inclusion of amendments in SM-EI 2020

Management of LV

- EEA has two-pronged approach to management systems for work on LV equipment
 - Live work procedures and controls, including work method selection tool (managed by NCLW)
 - De-energised work procedures (managed by SSPG)
 - Joint terms of reference.
 - Consistent systems

Work Management System for LV

- The requirements for a work management system for LV work (live or de-energised) are to be reviewed and improved
 - Use an existing system if possible but needs to include ability to isolate
 - May identify need to prepare a new system
 - Common system for live LV work will be identified in conjunction with NCLW

Gaps

- A work management system relies on;
 - Knowledge and documentation of LV equipment layout and circuitry, e.g. SLD
 - Field labelling of equipment
- Indication is that the distribution sector does not universally have adequate information and labelling
 - Transmission and generation sectors are understood to have systems

ENA Support

- Support of the ENA has been obtained for facilitating the preparation of drawings, application of field labels etc.
 - ENA to advise its membership

Actions

- Working group being formed
 - G Johnson (Electrix) to lead
 - Joint with NCLW but SSPG lead
- Industry survey for current systems, visibility etc
- Understand practices around service lines
- Determine systems, procedures, SM-EI requirements

Thank you
Questions?