

CRITICAL CONTROL VERIFICATION

SERIOUS INJURY AND FATALITIES - SIF HAZARD – WORKING WITH ELECTRICITY

DATE:		VERIFIER:		SITE:	
TIME:		TASK:		LOCATION:	

PERMIT TO WORK AND SWITCHING (INCLUDING HV)

	YES	NO	N/A
Is a Permit to Work issued for switching and electrical isolations?			
Have electrical isolation points been tested to prove de-energisation prior to the PTW being issued ?			
Are High Voltage Switching Sheets completed for all HV access works?			
For HV switching, is there evidence of an Operational Risk Assessment (ORA) & appropriate approvals ?			
Has the switching sheet process been followed to isolate the apparatus? (e.g. switching sheet writer, checker and approver, sequence)			
Has the circuit been adequately earthed on equipment? (e.g. switchboards)			
If live work is being performed has a JSEA been completed and is S1885 Live Electrical Work Checklist approved by a Manager or Delegate?			
Have electrical workers completed a test to prove de-energised on equipment to be worked on?			
Is a verified and tested instrument used to test and prove de-energised?			
Is an electrical safety observer in place, at a safe distance and functioning rescue LV switchgear kit available?			

FIT FOR PURPOSE ELECTRICAL EQUIPMENT / ACCESS

	YES	NO	N/A
Are switchroom / switchboard doors closed, secured, arc flash rated and appropriately signed ?			
Are all electrical equipment and electrical leads (excluding out of service equipment) compliant with Australian or international standards, tested for ground continuity, tagged and recorded ?			
Is electrical equipment regularly inspected and maintained ?			
Are transformer yard gates / AVR doors etc. closed and locked/secured and signed ?			
Are portable electrical equipment fitted to circuits with residual current device (RCD) protection?			
Are RCD's routinely tested ?			
Are temporary electrical leads protected from mechanical damage (e.g. sharp edges) and off the ground ?			
Is electrical equipment stored and used away from wet areas ?			
Is intrinsically safe electrical equipment being used in designated hazardous area zones ?			
Following completion of work has all necessary testing been completed and recorded on S1975 Electrical Certificate of Testing and Compliance ?			

PPE

	YES	NO	N/A
Is arc flash flame retardant clothing being used to a relevant standard specified by the arc flash rating on the switchboard?			
Are insulating gloves used for all testing when proving de-energised?			

OVERHEAD POWERLINES

	YES	NO	N/A
Are spotters or safety observers used when cranes / mobile equipment are lifting around transformer bays or under powerlines? (e.g. 275kv lines)			
Is a suitable distance maintained away from high voltage powerlines? (E.g. 6m from 275kv lines)			

DIGGING, EXCAVATION AND PENETRATION

	YES	NO	N/A
Are potential electrical services identified for digging, excavating and/or building penetration activities?			
Has an authorised electrical person approved digging, excavation and penetration works if electrical services were identified?			
Are all digging, excavation and penetration potential electrical services in the immediate vicinity isolated ?			

TRAINING, COMPETENCE AND AUTHORISATION

	YES	NO	N/A
Do electricians undergo LV Rescue and CPR training ?			
Electrical workers have a current electrical license, authorisation to conduct electrical work and HV switching competencies ?			

COMMENTS

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