Instructed Person Awareness Booklet for the

POWER SYSTEM SAFETY RULES

Version 2

June 2013

Uncontrolled Document

Signatories to the Power System Safety Rules

The Power System Safety Rules (PSSR) were developed on behalf of the companies that make up the Tasmanian Electricity Supply Industry (TESI).

Responsibility for elaborating on and supplementing these rules rests with current signatory companies through the Power System Safety Committee which consists of representatives from the signatory companies.

The names of current signatory companies, approved participating companies and committee members can be found, along with the latest version of the PSSR, on the Power System Safety web page, www.transend.com.au.

The PSSR are designed to provide broad, high level safe access principles for working on apparatus Each of the signatory companies and approved participating companies has developed policies, procedures, standards, guidelines and associated documentation to support the PSSR.

Use of the PSSR by companies / persons other than the signatory / participating companies is prohibited. The signatory companies take no responsibility for any loss or liability of any kind suffered by any third party's unauthorised use of the PSSR.

The PSSR will continue to apply during and after the electricity reform program.

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1 Introduction

1.1 The basic safety principle

All *Power System Apparatus* shall be regarded as *Energised* until it has been made safe in accordance with these rules.

1.2 Legal Status

The signatories have both general and specific responsibilities placed upon them by the relevant Commonwealth and State legislation.

These rules have been developed as a means of assisting the signatories and *Employee*s to fulfil 'duty of care' when working on or near *Power System Apparatus*.

Nothing in these rules overrides the requirements of pertinent legislation such as *Work Health and Safety Act 2012*.

1.3 Purpose

The purpose of these rules is to establish a system of uniform and safe operating practices in accessing the *Power System*, to provide for:

(a) Safety of the *Employees* and members of the public;

(b) Safety of *Apparatus*; and

(c) Continuity of supply.

Use of the word 'shall' indicates mandatory provisions and use of the word 'should' indicates advisory or discretionary provisions.

Under no circumstance is the safety of *Employee*s to be compromised. Non-compliance with these rules shall be reported to the *Operating Authority*.

In an *Emergency* situation that threatens the safety of personnel, *Apparatus* or the environment, *Employee*s may enter a *Restricted Area* with due consideration for personal safety.

1.4 Scope

This document sets out *Approved* rules for work on or near *Power System Apparatus* but excludes:

- *Live* work covered by *Approved* procedures.
- *Extra Low Voltage (ELV)* work.

These rules apply to *Employee*s engaged to carry out operating, construction, maintenance and testing work on the *Power System*.

1.5 Application

These rules apply to the provision of access to work on or near *Power System Apparatus* and may involve:

(a) Authorisation to enter *Restricted Areas*.

(b) Outage planning and coordination.

(c) Preparation of *Switching Sheets*.

(d) Isolating and proving *De-energised*.

(e) Earthing.

(f) Delineation of *Work Sites*.

(g) Issuing, receiving, surrendering and cancelling *Access Authorities*.

1.6 Document control

The master document is available on the *Power System* Safety web page at www.transend.com.au and when printed is an uncontrolled copy.

All amendments will be published on the *Power System* Safety web page.

It is the responsibility of each *Authorised Person* to maintain their copy with the latest amendments.

1.7 Document review

These rules will be regularly reviewed using continuous improvement principles so that the document remains relevant and reflects current 'best practice'. The *Power System* Safety Committee encourages suggestions for improving this document.

*Employee*s who use this document, have a responsibility to continually review these rules. Any suggested changes (amendments, additions or deletions) should be forwarded to a member of the *Power System* Safety Committee using Attachment G (Amendment Proposal) for consideration.

The Chair of the *Power System* Safety Committee will provide feedback to the originator of the amendment proposal.

Approved amendments to the document shall be published on the *Power System* Safety web page.

Important:

If the amendment proposal concerns safety, it shall be forwarded to the Power System Safety Committee ***immediately.***

1.8 Reference documentation

- *ENA Document 001-2008, National Electricity Network Safety Code*
- *ENA NENS 03-2006, National Guidelines for Safe Access to Electrical and Mechanical Apparatus*
- *ENA NENS 04-2006, National Guidelines for Safe Approach Distances to Electrical Apparatus*
- *ENA Document 023-2009 Guidelines for Safe Vegetation Management Work Near Live Overhead Lines*
- *Work Health and Safety Act 2012*

Not listed is relevant Commonwealth and State legislation

2 Definitions

All terms that are defined in this section are italicised throughout this document.

Access Authority	The form of authorisation which allows access to work on or near, or for the testing of, *Power System Apparatus.*
Accredited	Documented evidence of the completion and currency of PSSR training.
Additional Safety Measures	Actions taken to safeguard the work party from potential *Hazards* on the *Apparatus* and work activity covered by the *Access Authority.*
Apparatus	Electrical, mechanical or civil assets that form part of the *Power System* which is under operational control.
Apparatus Interface Statement	The formal means for communicating the operational status of *Apparatus* with non signatory organisations.
Approved	Authorised in writing by the signatories.
Authorisation Number	A unique number allocated to *Accredited* individuals identifying their authority to perform functions on behalf of the signatories within the PSSR.
Authorised Officer	A person who has the delegated authority to receive and surrender *Apparatus Interface Statements*.
Authorised Person	A person who has been *Approved*, or has the delegated authority to act on behalf of the signatories, to perform the duty concerned.
Barrier Marker	Rope, marking tape, signage and insulating barriers used solely for defining the boundaries of *Access Authority* areas.
Commissioned	Newly installed *Apparatus* which is ready for operational service.
Competent	Has the skills, knowledge and attributes a person needs to complete a task.
Conductor	Conducting parts of *Electrical Apparatus* including wires, cables and busbars.
Control Measures	Policies, standards, procedures or actions to eliminate or minimise risks.
Danger Points	See '*Hazards*'.

De-energised	Not connected to any source of energy but not necessarily *Isolated*.
Earthed	Effectively connected to the general mass of earth by means of an *Approved Earthing Device* to ensure and maintain effective dissipation of electrical energy.
Earthing Device (*Earths*)	A device for earthing *Apparatus* for work, of appropriate rating and design for the conditions of use, proven by appropriate type test, and of a type either provided or endorsed for use by the industry. Such devices include *Approved Operational Earths*, *Work Earths* and metal clad switchgear that can be locked into the earth position.
Electrical Apparatus	Any electrical equipment including overhead lines and underground cables, the *Conductors* of which are *Live* or can be made *Live*.
Emergency	A situation where immediate danger exists to human life, *Apparatus*, property or environment.
Employee	A worker employed by the signatories or a contractor, who carries out work for the signatories (includes trainees, apprentices and students).
Employer	Is the signatory, or an officer appointed by the signatory to exercise supervisory control over *Employee*s engaged at a *Work Site*.
Energised	Connected to any source of energy.
Equipotential Work Area	*Apparatus* within a *Work Site* that is maintained at the same electrical potential.
Extra Low Voltage or *ELV*	A nominal voltage not exceeding 50 volts alternating current or 120 volts direct current.
Hazards	A source of potential harm or a situation with potential for harm.
High Voltage or *HV*	A nominal voltage exceeding 1,000 volts alternating current or exceeding 1,500 volts direct current.
In Service	Where *Apparatus* is in its operational state.
Induction	Electrical potential difference created in *Isolated Electrical Apparatus* by the proximity of *Live Conductors*. Refer Attachment A.

Instructed Person	An *Employee* adequately advised or supervised by an *Authorised Person* to enable them to avoid the *Hazards* and who agrees to work under the terms of an *Access Authority*.
Isolated (Electrically)	Disconnected from all sources of supply by breaks of a distance appropriate to the voltage and insulating medium, and rendered incapable of being made *Live* without premeditated and deliberate manual operation.
Isolated (Mechanically)	Disconnected from all sources of energy and rendered free from danger by closing off all sources of mechanical, hydraulic or pneumatic energy by equipment suitably designed for the application and rendered incapable of being *Energised* without premeditated and deliberate manual operation.
Isolation	Disconnection from all possible sources of energy by means that prevent unintentional energisation of the *Apparatus*.
Issuing Officer	An *Employee* who is *Qualified* and authorised by the relevant Signatory to issue or cancel an *Access Authority* and *Apparatus Interface Statement*.
Live	*Energised* or subject to hazardous induced or capacitive voltages. All *High Voltage Conductors* that are not *Earthed* shall be considered potentially *Live*.
Log	Books, Log sheets, diaries, completed *Access Authority* forms, *Switching Sheets* and other records which together form a complete record of operating events in a *Station* or operating area.
Logged	Recorded in the *Log*.
Low Voltage or *LV*	A nominal voltage exceeding 50 volts alternating current or 120 volts direct current, but not exceeding 1000 volts alternating current or 1500 volts direct current.
Mechanical Apparatus	Any equipment used in the generation or supply of electricity that has the ability to rotate, or is pneumatic or hydraulic in nature or contains stored energy through mechanisms, liquid or gas contained within the equipment.

Mobile Plant	Excavators, cranes, elevating work platforms, tip trucks or similar plant, any equipment fitted with a jib or boom and any device capable of raising or lowering a load.
Network Operator	See *Operating Authority*
Operating Authority	The Network Service Provider or Generator responsible for supervision and control of their respective generation, transmission or distribution systems. May also be the Control Centre where the control of the electricity network is coordinated and directed.
Operational Earths	*Earths* applied as a requirement for the issue of an *Access Authority / Apparatus Interface Statement* (See *Earthing Device*)
Operational Information	Information exchanged and recorded that specific remote *Apparatus* has been *Isolated* and, where appropriate, *Earthed*.
Operator	An *Employee* who is *Qualified* and authorised by the relevant signatory to operate *Power System Apparatus*.
Ordinary Person	A person without sufficient training or experience to enable them to avoid the dangers associated with the *Power System.*
Out Of Service	Where *Apparatus* is not *In Service*.
Participating Company	A *Participating Company* has the same rights and responsibilities as a signatory company in the application of the PSSR, however management of the rules remains the responsibility of the signatory companies.
Person In Charge	An *Authorised Person* to whom an *Access Authority* can be issued.
Power System	All *Apparatus* associated with the generation, transmission or distribution of electricity. This includes civil, mechanical and electrical assets.
Qualified	Deemed *Competent*, on the basis of appropriate training and assessment, to carry out the work to which the qualification pertains.

Recognised Earth Point	The point for connection of *Earthing Devices* to the general mass of earth.
Remote Control	Operation from a control point remote from the *Apparatus*.
Restricted Area	Defined area of the *Power System* where access is controlled.
Safe Approach Distance	The minimum separation in air from exposed *Electrical Apparatus* that shall be maintained by a person, or any object (other than insulated objects designed for contact with *Live Conductors*) held by or in contact with that person.
Safety Observer	A person *Competent* for the task and specifically assigned the duty of observing and warning against unsafe approach to *Energised Apparatus*, or other unsafe conditions.
SCADA	Supervisory Control and Data Acquisition System.
Site Introduction	Site specific training required for entry into *Restricted Areas.*
Station	A power *Station,* substation, switchyard, pumping *Station,* and generally any *Station* where *Power System Apparatus*, which is under operational control, is located.
Switching Sheet	A document, approved by the *Operating Authority*, which lists and records sequential operations to manage the *Power System*.
Tag	An *Approved* warning label used in accordance with *Approved* procedures.
Tagged	Marked to indicate that the normal operation of *Apparatus,* tools and equipment is restricted.
Tested	Proven operational in accordance with the relevant standards.
Work Earths	*Earths* applied at the *Work Site* following the issue of an *Access Authority*. (See *Earthing Device*)
Work Site	The defined working area as described under the conditions of an *Access Authority*
Work Site Introduction	*Work Site* specific awareness required for entry and work in the *Work Site* under the conditions of an *Access Authority*.

3 Responsibilities

This section defines the roles and responsibilities of *Employee*s to gain access for work on or near *Power System Apparatus* under operational control. All *Employee*s have a responsibility to exercise due care and diligence in the performance of the work activities including having *Accreditation* to meet the requirements of these rules.

3.1 General

The signatories in their role as owner and manager of their respective *Power System* are responsible for:

(a) Providing safe systems of work.

(b) Having documented safe work procedures.

(c) Ensuring that all their respective *Employee*s who have a role in carrying out these rules are appropriately *Qualified* and where appropriate authorised, to fulfil their assigned roles and responsibilities. Authorisation shall be reviewed and reassessed at appropriate intervals.

(d) Maintaining a register of all *Authorised Person*s, detailing the extent of authorisation and restrictions.

(e) Ensuring compliance with and review of these rules.

(f) Making organisational arrangements for the operational control of the *Power System*.

(g) Reviewing all instances of non-compliance with these rules and, when appropriate, withdrawing the *Accreditation*.

3.2 Operating Authority

Each *Operating Authority* is responsible for:

(a) Policy, assigning roles, authorisations and procedural requirements for *Power System* operation.

(b) Supervision and control of their respective generation, transmission and / or distribution systems.

(c) Planning and coordination of *Power System* operation.

(d) Delegation of specific tasks to *Authorised Person*s.

3.3 Operator

The *Operator* shall be an *Authorised Person* and is responsible for:

(a) Providing evidence of the appropriate level of PSSR *Accreditation*.

(b) Liaising with planning departments to plan outages where delegated.

(c) Negotiating access requirements.

(d) Preparing and authorising *Switching Sheets.*

(e) Operating *Power System Apparatus* under the direction of the *Operating Authority*.

(f) Actioning *Switching Sheets*.

(g) Conducting a risk assessment for:

i. Performing operational activities; and

ii. Maintaining system security prior to carrying out fault finding activities in conjunction with the *Operating Authority*, to determine the requirements.

(h) Positioning *Tags* and locking *Out Of Service* appropriate switchgear and operating control mechanisms.

(i) The application of *Operational Earths* and associated *Tags* where necessary for the issue of an *Access Authority*. The *Operator* may engage a *Competent Employee* to apply *Operational Earths*.

(j) Maintaining familiarity, complying with these rules and making themselves conversant with all amendments.

3.4 Issuing Officer

The *Issuing Officer* shall be an *Authorised Person* and is responsible for:

(a) Providing evidence of the appropriate level of PSSR *Accreditation*.

(b) Ensuring that they have authorisation from the appropriate *Operating Authority* to fulfil the role of the *Issuing Officer* at the *Work Site*.

(c) Ensuring that the *Apparatus* / *Work Site* is safe for work, prior to issuing an *Access Authority*.

(d) Delineating the *Work Site* prior to issuing an *Access Authority*.

(e) Liaising with the *Person in Charge* prior to an *Access Authority* being issued to determine whether the *Person in Charge* intends to use any special tooling, vehicle or plant which may have a bearing on the preparation / delineation of the *Work Site*.

(f) Liaising with the *Person in Charge* to ensure the description of work accurately describes the work to be performed.

(g) Liaising with the *Person in Charge* to ensure additional *Control Measures* and / or conditions for testing are detailed on the *Access Authority*.

(h) Ensuring that an *Access Authority* is issued only to *Employee*s who hold current *Person in Charge Accreditation*.

(i) Issuing / cancelling an *Access Authority* in liaison with the *Person In Charge*.

(j) Describing the status of the *Apparatus* / *Work Site*, *Hazards* / *Danger Points* and any relevant information to the *Person In Charge* and, if possible, to the *Instructed Person*s.

(k) Determining whether or not the work associated with the issuing of an *Access Authority* requires the appointment of a *Safety Observer*. Where the *Issuing Officer* determines that a *Safety Observer* is required, the appointment is made in consultation with the *Person In Charge*.

(l) Identifying and approving the conditions under which *Isolation*, *Operational Earths* and *Additional Safety Measures* can be varied for testing. The responsibility for varying the conditions may be delegated to the *Person In Charge*.

(m) Issuing / cancelling *Apparatus Interface Statements* in liaison with the *Authorised Officer*.

(n) Maintaining familiarity, complying with these rules and making themselves conversant with all amendments.

Note: The Issuing Officer is not responsible for checking the technical qualifications of the Person In Charge.

3.5 Person In Charge

The *Person in Charge* shall be an *Authorised Person* responsible for:

(a) Providing evidence of the appropriate level of PSSR *Accreditation*.

(b) Ensuring a current copy of the PSSR shall be readily available at the Location / *Work Site*.

(c) Determining whether the *Issuing Officer* is authorised to issue the *Access Authority*.

(d) Liaising with the *Issuing Officer* prior to an *Access Authority* being issued and informing the *Issuing Officer* of any intended use of special tools, vehicles or plant which may have a bearing on the preparation / delineation of the *Work Site*.

(e) Liaising with the *Issuing Officer* to ensure the description of work accurately covers the work concerned.

(f) Liaising with the *Issuing Officer* to ensure additional *Control Measures* and / or conditions for testing are detailed.

(g) Ensuring that any *Additional Safety Measures* required are taken.

(h) Ensuring that the *Apparatus* / *Work Site* covered by the *Access Authority* is safe for work.

(i) Receiving and being in control of the *Access Authority* until surrendered.

(j) Ensuring the original of the *Access Authority* shall be readily available at the Location / *Work Site* at all times that the work party is on site.

(k) Ensuring that persons working under the terms and conditions of the *Access Authority*:

i. Provide evidence of the appropriate level of PSSR *Accreditation*;

ii. Are familiar with their responsibilities;

iii. Understand the extent of the Location / *Apparatus* / *Work Site* covered by the *Access Authority*;

iv. Understand the extent of the *Hazards* / *Danger Points* present;

v. Have signed on the *Access Authority*; and

vi. Work safely.

(l) Controlling the Location / *Work Site* under the terms of the *Access Authority* by:

i. Being present at the Location / *Apparatus* / *Work Site* as described on the *Access Authority* to the extent necessary to fully exercise responsibility;

or

ii. Transferring responsibility to another *Person in Charge*;

or

iii. Ceasing work and removing all persons from the *Work Site* if unable to immediately appoint another *Person in Charge*.

(m) Carrying out a risk assessment for the safety of *Employee*s, *Ordinary Person*s and members of the public who could be put at risk by the work and taking appropriate action.

(n) Removing any person deemed unsuitable from the Location / *Work Site*.

(o) Appointing a *Safety Observer*, *Competent* for the task and environment, as negotiated with the *Issuing Officer* prior to the work commencing or as the need arises during the work activities.

(p) Ensuring, where testing is *Approved*, all *Instructed Person*s sign the Test Acknowledgement Section prior to commencing and upon completion of testing. The *Person In Charge* must ensure that all *Instructed Person*s are fully briefed on the changes which may potentially occur as a consequence of the testing.

(q) Implementing *Control Measures* and / or conditions for testing as delegated by the *Issuing Officer*.

(r) Applying and removing *Work Earths*, as *Additional Safety Measures*, and recording their application and removal in an appropriate *Log*.

(s) On completion of work, the *Person in Charge* shall ensure that all *Instructed Person*s working under the *Access Authority*:

i. Have signed off the *Access Authority*;

ii. Are informed the *Access Authority* is to be surrendered; and

iii. Are located in a safe environment and have been instructed to keep clear of the *Apparatus* / *Work Site*.

(t) On completion of work, the *Person In Charge* shall confirm to the *Issuing Officer*:

i. All *Safety Observer* / *Instructed Person*s have signed off the *Access Authority* and regard the *Apparatus* as unsafe to approach;

ii. All tools, *Work Earths* and other *Additional Safety Measures* applied, have been removed from the *Apparatus* / *Work Site*; and

iii. The *Apparatus* is / is not available for service.

(u) Maintaining familiarity, complying with these rules and making themselves conversant with all amendments.

3.6 Safety Observer

The *Person In Charge* of the *Access Authority* shall not perform the role of *Safety Observer*.

The *Safety Observer* shall be a *Competent* person responsible for:

(a) Understanding the extent of the *Apparatus* / *Work Site* covered by the *Access Authority*.

(b) Understanding the specific *Hazards* / *Danger Points* associated with the *Apparatus* / *Work Site*.

(c) Signing on and off the *Access Authority* as a *Safety Observer*.

(d) Performing the role of a *Safety Observer* exclusively and not performing any other task.

(e) Being positioned at a suitable location to effectively observe and be able to immediately communicate with workers performing the work.

(f) Warning against unsafe approach to *Energised Apparatus*.

(g) Stopping work processes to prevent unsafe situations arising.

3.7 Instructed Persons

*Instructed Person*s are responsible for:

(a) Providing evidence of the appropriate level of PSSR *Accreditation.*

(b) Understanding the extent of the *Apparatus* / *Work Site* covered by the *Access Authority*.

(c) Understanding the specific *Hazards* / *Danger Points* associated with the *Apparatus* / *Work Site*.

(d) Advising the *Person In Charge* if a requirement for *Additional Safety Measures* is identified.

(e) Signing on and off the *Access Authority*.

(f) Working safely.

(g) Reporting to the *Person In Charge* before leaving and entering the *Work Site*.

4 General Safety Provisions

This Section applies to all *Employee*s working on or near *Power System Apparatus*.

*Employer*s are responsible for ensuring that no *Employee* shall carry out, or be required to perform, any work activity for which they are not *Competent*, *Approved* / authorised and which cannot be performed safely.

4.1 Training and competence

Work within the scope and application of these rules shall only be carried out by *Competent Employee*s

4.1.1 Power System Safety Rules training

*Employee*s must have documented evidence of the completion and currency of PSSR training to the required level of either:

(a) *Instructed Person* – general entry level *Accreditation* for all *Employee*s required to work on or near *Power System Apparatus*.

(b) *Operator* – specific level *Accreditation* allowing *Employee*s to operate *Power System Apparatus*.

(c) *Person In Charge* – supervisory level *Accreditation* allowing *Employee*s to receive and control an *Access Authority*.

(d) *Issuing Officer* – high level *Accreditation* allowing *Employee*s to issue or cancel *Access Authorities* or *Apparatus Interfaces Statements.*

4.1.2 Competence

Work within the scope and application of these rules shall only be carried out by *Competent Employee*s who

(a) Have received training appropriate for the work concerned and have been *Approved*.

(b) Are capable of safely performing the work to be undertaken.

(c) Have demonstrated competence within Industry accepted minimum frequency periods in rescue and resuscitation procedures relevant to the nature of the work.

(d) Have demonstrated competence in the relevant work procedures and safety instructions.

*Employee*s in training can work within the roles and responsibilities of these rules providing they carry out the work:

i. Based on a risk assessment appropriate for the type of work performed;

ii. To their level of competence; and

iii. Under appropriate supervision by a *Competent* person.

4.2 Hazard Identification and Risk Assessment

Hazards shall be identified and the associated risks assessed and controlled in accordance with an *Approved* procedure prior to working on or near any *Power System Apparatus*.

4.2.1 Approach to Energised Apparatus

*Employee*s, when planning work requiring approach to *Energised Apparatus*, shall give careful consideration to the *Hazards* and risks involved and any potential to inadvertently breach *Safe Approach Distances* to *Electrical Apparatus* and shall adjust the planned work methods accordingly.

The *Safe Approach Distance* (SAD) Tables are contained in section 5.

4.3 Personal Protective Equipment

Approved personal protective equipment appropriate for the work being undertaken shall be used.

4.4 First Aid Equipment

First aid equipment shall be readily available.

4.5 Tools and Safety Equipment

The *Employer* shall ensure that:

i. The appropriate tools and safety equipment are available;

ii. All tools and safety equipment are periodically inspected and *Tested,* where necessary, to ensure they are safe to use; and

iii. Any defective tools or safety equipment are withdrawn from service and *Tagged* as defective.

The *Employee* shall:

i. Use only appropriate tools and safety equipment;

ii. Inspect tools and safety equipment to check their serviceability before use; and

iii. *Tag* out of service any suspect or defective tools or equipment and notify the *Employer* of the defect.

4.6 Carrying of Equipment

When carrying or moving objects in the vicinity of *Energised Apparatus*, extreme care shall be taken to avoid:

i. Infringement of the *Safe Approach Distance*s; and / or

ii. The *Hazards* associated with *Energised Mechanical Apparatus*.

4.7 Electromagnetic Fields (EMF)

Employees working in the vicinity of *High Voltage* and high current *Electrical Apparatus* such as power transformer cables, generator cables, bus bars, air cored reactors and single phase *HV* cables may at times be exposed to strong electromagnetic fields.

The International Commission on Non Ionising Radiation Protection (ICNIRP) Guidelines 2010 and the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) Draft Standard 2009 Exposure Limits for Electric & Magnetic Fields - 0 Hz to 3 kHz recommend that occupational exposure limits should not exceed 10 000 mG for magnetic fields and 10 kV/m for electric fields.

Operating Authorities should identify locations where their respective *Electrical Apparatus* is likely to give rise to EMF exposure at or in excess of the above exposure limits and make arrangements as necessary to reduce employee exposure to below the recommended

limits. Employees working in the vicinity of *High Voltage* and high current *Electrical Apparatus* shall be informed of the exposure limits and any necessary working arrangements.

Operating Authorities shall advise employees that magnetic fields may affect cardiac pacemakers and other medical implants and shall install warning signage at entrance points to such *Electrical Apparatus* or sites.

For further information on *Induction Hazards* see Attachment A.

4.8 Incident Reporting

All incidents shall be reported in accordance with *Approved* procedures.

Where there is evidence that an incident has not been reported, the relevant disciplinary action will apply.

5 Safe Approach Distances to Electrical Apparatus

This section is based on the National Guidelines for *Safe Approach Distance*s to *Electrical Apparatus* but excluding *High Voltage Live* line work covered by *Approved* procedures.

*Employee*s, when planning work requiring approach to *Energised Electrical Apparatus,* shall give careful consideration to the potential of inadvertently breaching the *Safe Approach Distance*s and shall adjust the planned work methods accordingly. This may necessitate adjustment to protection of adjacent *Energised Apparatus*.

5.1 Risks Excluded

Lightning transients are not considered in the derivation of *Safe Approach Distance*s. When lightning is nearby, further consideration needs to be given as to whether the work should continue or cease.

Other rare scenarios such as Ferro resonance and restriking of circuit breakers have not been considered and should be managed by operational or other controls rather than by *Safe Approach Distances*.

5.2 Safe Approach Distances

These distances apply to bare, covered and insulated *Conductors*.

The *Safe Approach Distance*s in these guidelines are based on an "exclusion zone" principle. This principle defines an area around the *Electrical Apparatus* into which no part of the person, *Mobile Plant* or object (other than *Approved* insulated objects) may encroach.

It is recognised that *Ordinary Person*s may not be able to distinguish between *High Voltage* and *Low Voltage Conductors*. Consultation is required to determine the operating voltage of the *Apparatus* so that an *Ordinary Person* can be advised of the appropriate *Safe Approach Distance*.

For approach closer than these distances, an *Ordinary Person* shall become an *Instructed Person*.

*Safe Approach Distance*s for 11 kV and 22 kV ac, as indicated in Table 2, may be reduced by the *Network Operator* for specific work activities provided a risk assessment has been undertaken and stringent controls are in place.

5.2.1 Examples of Ordinary, Instructed and Authorised Persons to aid in Safe Approach Distances Application

Ordinary Person

A person without sufficient training or experience to enable them to avoid the dangers associated with the *Power System.*

- Visitor to a *Restricted Area* accompanied by an *Authorised Person*
- Transport / vehicle driver making deliveries to a *Restricted Area* accompanied by an *Authorised Person*

Note: Members of the public are deemed to be Ordinary Persons.

Instructed Person

An *Employee* adequately advised or supervised by an *Authorised Person* to enable them to avoid the *Hazards* and who agrees to work under the terms of an *Access Authority.*

- Work Party member
- *Safety Observer*
- Crane / Mobile Plant Operator
- Transport / vehicle driver making deliveries to *Work Site*

Authorised Person

A person who has been *Approved*, or has the delegated authority to act on behalf of the signatories, to perform the duty concerned.

- *Operator*
- *Issuing Officer*
- *Person In Charge*

Safe Approach Distance Reference Matrix

	Working near	Operating Vehicles	Operating Mobile Plant
Ordinary Person	Table 1	Table 5	Table 3
Instructed / Authorised Person	Table 2	Table 6	Table 4

NOTE: In addition to the above tables, vegetation management workers shall also adhere to the tables listed in the ENA guideline *ENA Document 023-2009 Guidelines for Safe Vegetation Management Work Near Live Overhead Lines*.

5.3 Safe Approach Distance for Ordinary Persons

*Safe Approach Distance*s in Table 1 are for *Ordinary Person*s who carry out any activity (including work and recreation) near *Electrical Apparatus*.

TABLE 1
Safe Approach Distances
For Ordinary Persons

Nominal Phase to Phase ac Voltage (kV)	**Safe Approach Distance for Ordinary Persons (mm)**
Up to and including 33 with no consultation with the *Network Operator*	3000 (Note 1)
LV after consultation with *Network Operator*	1000 (Note 1)
Above *LV* and up to and including 33 after consultation with *Network Operator*	2000 (Note 1)
Above 33, up to and including 132	3000
220	4500
275	5000
330	6000
400	6000
500	6000
Nominal Pole to Earth dc Voltage (kV)	**Safe Approach Distance for Ordinary Persons (mm)**
Up to +/- 150	3000
+/- 270	4500
+/- 350	5000
+/- 400	6000

Note 1: The figures given in Table 1 labelled "after consultation with *Network Operator"* are recommended as the minimum *Safe Approach Distance* that shall be advised to the public following review of the activity including risk assessment.

5.4 Safe Approach Distances for Instructed Persons and Authorised Persons

Table 2 provides recommended *Safe Approach Distances for Instructed Persons and Authorised Persons* and is applicable to *Electrical Apparatus* except where an *Earthed* metallic screen is present.

TABLE 2
Safe Approach Distances
Instructed Persons and Authorised Persons

Nominal Phase to Phase ac Voltage (kV)	**Safe Approach Distance (mm)**
Low Voltage	*Instructed Person* – no contact *Authorised Person – insulated* contact only
11	700 (300*)
22	700 (300*)
33	700
50	750
66	1000
110	1000
132	1200
220	1800
275	2300
330	3000
400	3300
500	3900
Nominal Pole to Earth dc Voltage (kV)	**Safe Approach Distance (mm)**
+/- 25	700
+/- 85	1000
+/- 150	1200
+/- 270	1800
+/- 350	2500
+/- 400	2900

* *Safe Approach Distance*s for 11 kV and 22 kV ac may apply subject to approval by the *Network Operator*.

5.5 Safe Approach Distances for Mobile Plant Operated by Ordinary Persons

Table 3 provides the minimum *Safe Approach Distance*s for *Mobile Plant* Operated by *Ordinary Person*s near *Electrical Apparatus.*

For approach closer than these distances, an *Ordinary Person* shall become an *Instructed Person*.

TABLE 3
Safe Approach Distances for Mobile Plant Operated by Ordinary Persons

Nominal Phase to Phase ac Voltage (kV)	**Safe Approach Distance (mm)**
Up to and including 132	3000
Above 132, up to and including 330	6000
500	8000
Nominal Pole to Earth dc Voltage (kV)	**Safe Approach Distance (mm)**
Up to and including +/- 150	3000
Above +/- 150 and up to and including +/- 400	6000

5.6 Safe Approach Distances for Mobile Plant Operated by an Instructed Person or an Authorised Person

Table 4 provides recommended *Safe Approach Distance*s for *Mobile Plant* Operated by an *Instructed Person* or *Authorised Person.* It is based upon the use of a *Safety Observer*.

These *Safe Approach Distances* shall only be applied by the *Network Operator* following review of the activity including a risk assessment.

Table 4 provides minimum *Safe Approach Distances for Mobile Plant Operated by Instructed or Authorised Person*s. For application to both *Instructed Person*s and *Authorised Person*s, the same competency standard shall apply for both classes of person for the particular task.

The *Safe Approach Distance* for un-insulated portions of *Mobile Plant* is based on the personal *Safe Approach Distances* in Table 2.

TABLE 4
Safe Approach Distances for Mobile Plant Operated by an Instructed Person or Authorised Person, with a Safety Observer
NOTE: If a Safety Observer is not available, Table 3 SHALL be used.

Nominal Phase to Phase ac Voltage (kV)	**Safe Approach Distance for un-*insulated* portions (mm)**	**Safe Approach Distance for *insulated* portions (mm)**
Low Voltage	1000	Contact allowable
Above *LV*, up to and including 33	1200	700
50	1300	750
66	1400	1000
Above 66, up to and including 132	1800	-
Above 132, up to and including 220	2400	-
275	3000	-
330	3700	-
400	4000	-
500	4600	-
Nominal Pole to Earth dc Voltage (kV)	**Safe Approach Distance for un-*insulated* portions (mm)**	**Safe Approach Distance for *insulated* portions (mm)**
+/- 25	1200	700
+/- 85	1800	1000
+/- 150	1800	-
+/- 270	2400	-
+/- 350	3200	-
+/- 400	3600	-

A special limit of approach may be required for specific tasks, where the distance to *Electrical Apparatus* is lower than the *Safe Approach Distance for Instructed or Authorised Person*s operating *Mobile Plant* shown in Table 4. Review and risk assessments particular to the specific work process shall be carried out.

Direct contact with *Live Conductors* shall only be acceptable under *Approved Live* working procedures. Whenever a special limit of approach is applied, the maximum practicable clearance from *Conductors* shall be maintained.

5.7 Safe Approach Distances for Vehicles Operated by Ordinary Persons

Table 5 provides recommended *Safe Approach Distances* for *vehicles* operated by *Ordinary Person*s. It is based upon:

- For *High Voltage,* a distance of 4600mm (the height of the tallest legal height *vehicle* considered) from line construction clearances found in Table 7.1, and the risk analysis in Appendix G, of HB C(b)1 – 1999, "Guidelines for Design and Maintenance of Overhead Distribution and Transmission Lines"; and
- For *Low Voltage,* a *Safe Approach Distance* of 600mm.

TABLE 5
Safe Approach Distances for Vehicles Operated by Ordinary Persons

Nominal Phase to Phase Voltage (kV)	**Safe Approach Distance For Ordinary Persons (mm)**
Low Voltage	600
Above *LV*, up to and including 33	900
50, 66, 110	2100
132	2100
220	2900
275	2900
330	3400
400	4400
500	4400
Nominal Pole to Earth dc Voltage (kV)	**Safe Approach Distance For Ordinary Persons (mm)**
+/- 25	900
Above +/- 25, up to +/- 150	2100
Above +/-150, up to +/- 350	2900
+/- 400	3400

5.8 Safe Approach Distances for Vehicles Operated by Instructed Persons or Authorised Persons

Table 6 provides recommended *Safe Approach Distance*s for vehicles operated by *Instructed Person*s or *Authorised Person*s. It is based upon:

- For *Low Voltage*, a *Safe Approach Distance* of 600mm; and
- For *High Voltage* the distances are chosen as equal to the *Safe Approach Distances* contained in Table 2 of this document.

TABLE 6
Safe Approach Distances for Vehicles Operated by Instructed Persons or Authorised Persons

Nominal Phase to Phase Voltage (kV)	**Safe Approach Distance for Instructed or Authorised Persons (mm)**
Low Voltage	600
Above *LV*, up to and including 33	700
50	750
66, 110	1000
132	1200
220	1800
275	2300
330	3000
400	3300
500	3900
Nominal Pole to Earth dc Voltage (kV)	**Safe Approach Distance for Instructed or Authorised Persons (mm)**
+/- 25	700
+/- 85	1000
+/- 150	1200
+/- 270	1800
+/- 350	2500
+/- 400	2900

6 Entry to Restricted Areas

For the safety of *Employee*s entering a potentially hazardous environment and to maintain system security, access to *Restricted Area*s is controlled. Signatories achieve control by approving or delegating authority to persons required to act on their behalf to perform the duty concerned.

6.1 Requirements to enter Restricted Areas

Entry to *Restricted Area*s shall be gained in accordance with the *Approved* procedures.

*Employee*s required to enter *Restricted Area*s shall be given a *Site Introduction*.

*Employee*s required to enter *Restricted Area*s shall, on entering a *Restricted Area*, record the entry as per the *Approved* procedures.

6.2 Authorisation to enter Work Sites

Authorisation to enter *Work Sites* controlled by an *Access Authority* shall be gained in accordance with these rules and *Approved* requirements.

6.2.1 Working under Access Authority conditions

All *Employee*s shall be given a *Work Site Introduction* and sign on to the *Access Authority*.

6.2.2 Visiting Work Sites controlled by Access Authority conditions

*Employee*s / *Ordinary Person*s shall only be given access to visit *Work Sites* controlled by an *Access Authority* after they have been given approval by the *Person In Charge* and received a *Work Site Introduction*. They shall remain under the direct and continuous supervision of the *Person In Charge*, or their delegate.

The *Person In Charge* shall ensure that the visit does not compromise the *Access Authority* conditions.

6.3 Access and egress

A practical method of access and egress for *Employee*s, their vehicles and *Mobile Plant* shall be maintained at all times.

While *Employee*s are working in a normally unattended *Station* with the doors or gates unlocked to provide sufficient exit facilities, all reasonable and practicable precautions shall be taken to prevent unauthorised entry.

An *Employee* who leaves an unattended *Station*, building or enclosure shall ensure that all doors and gates are securely locked.

7 Switching Sheets

A *Switching Sheet* shall be used for *Isolation*, restoration, commissioning, decommissioning or reconfiguration of *Power System Apparatus* and shall be completed in accordance with *Approved* procedures.

8 Isolation

Isolation is provided to ensure disconnection from sources of energy in the process of making *Apparatus* safe for the work to be performed.

8.1 General principles of Isolation

(a) *Isolated Apparatus* shall be rendered incapable of being *Energised* without premeditated and deliberate action.

(b) *Apparatus* shall be *Isolated* by the use of an *Approved* method.

(c) All *Isolation* operations shall be identified on a *Switching Sheet*.

(d) Where *Isolation* points have provision for locking, such locking arrangements shall be used to prevent re-energising. If the *Isolation* point is not fitted with a built-in provision for locking, an alternative lock or other means of immobilising a point of *Isolation* shall be used.

(e) *Isolation* points shall be *Tagged*. Where an *Isolation* point is used for multiple *Access Authorities* it shall:

i. have a separate *Tag* for each *Access Authority:* or

ii. have a separate *Tag* for each *Switching Sheet*; or

iii. be *Tagged* in accordance with *Approved Switching Sheet* procedures; or

iv. be cross locked in accordance with *Approved Isolation* procedures.

9 Earthing

Apparatus is *Earthed* to ensure and maintain the effective dissipation of electrical energy to the general mass of earth.

The correct application of *Earths* and the maintenance of *Earthed* and *Equipotential Work Area* conditions, aid in providing a safe *Work Site*.

10 Delineation of Work Site

Work Site delineation is provided to direct movement of the work party to the area in which it is safe to work under the terms and conditions of the *Access Authority*.

All delineated *Work Sites* shall:

(a) Be established prior to the issue of the *Access Authority*.

(b) Be defined by *Barrier Markers* erected to indicate, as clearly as possible, the *Work Site* in which work is to be performed. Where it is not possible and / or practicable to use physical *Barrier Markers, Approved* procedures shall be followed.

(c) Be arranged so that the *Apparatus* to be worked on is accessible without interfering with the *Barrier Marker*s.

(d) Have a clearly defined entry point. This may require separate entry points for personnel and vehicles.

(e) Have appropriate *Barrier Marker*s and / or signs placed at points where it is possible to move into the *Safe Approach Distance* to *Conductors*, which shall be regarded as *Energised*.

(f) Have appropriate *Barrier Marker*s and / or signs placed at points where other *Hazards* exist, eg excavations.

*Employee*s shall not cross under / over or interfere with *Barrier Marker*s that delineate a *Work Site* except in an *Emergency* situation that threatens the safety of personnel, *Apparatus* or the environment and then only with due consideration for personal safety.

11 Access Authorities

An *Access Authority* is the form of authorisation, which allows access to work on or near, or for the testing of *Power System Apparatus*.

11.1 General principles of Access Authority

The issue and receipt of *Access Authorities* and the transfer of *Person In Charge* shall occur at the Location / *Work Site*.

(a) The line manager shall ensure the *Safety Observer / Instructed Person* is unable to enter the *Work Site* until notified of the changes to the *Access Authority*.

11.2 Work permits

In addition to the *Access Authority* which is required to safely access *Power System Apparatus* that is under operational control, other work permits may be required, eg hot work, confined space and *Live* line. These work permits can be used independently as a form of work control system and are subject to *Approved* safe work procedures and work practices.

12 Interfacing with Non-Signatories

Where *Isolation* or access requirements cross operational boundaries with non-signatories, or personnel require restrictions on *Apparatus* for work external to the *Power System*, a formal means of communication shall be used.

12.1 General requirements

An *Apparatus Interface Statement (*Attachment E) is the form to be used by a signatory company for communicating the operational status of *Apparatus* to a non-signatory company.

13 Construction / Commissioning / Decommissioning of Power System Apparatus

This section provides guidelines on the application of the PSSR during construction, commissioning and decommissioning of *Power System Apparatus.*

13.1 Construction

When constructing *Power System Apparatus* in a *Restricted Area* these rules apply.

When constructing apparatus outside *Restricted Areas*, *Approved* safety precautions and procedures shall be used.

13.2 Commissioning

As soon as the *Apparatus* has reached the stage of physical completion and is ready for connection to the *Power System*, the *Apparatus* shall be subject to the scope and application of the PSSR.

13.3 Decommissioned

Where decommissioned *Apparatus* is located in a *Restricted Area* it shall be subject to the scope and application of the PSSR.

Once the decommissioned *Apparatus* has been physically removed from the *Restricted Area* it is no longer subject to the scope and application of the PSSR.

NOTE:

Induction may be present under these circumstances and where considered to be a potential risk these rules shall be adhered to. Refer to Attachment A.

Attachment A: Induction Hazards

Electromagnetic and electrostatic are the two important components of *Induction* when working on or near *Electrical Apparatus*. It is important to recognise that both components are always present.

Electromagnetic Induction

A voltage will be induced in a *Conductor* situated in the magnetic field of another *Conductor* carrying current. The magnitude of the induced voltage will be directly proportional to the degree of magnetic coupling plus the length of, and the load current in, the parallel *Conductor*.

Most often, the adjacent load carrying *Conductor* is a three phase line which theoretically could produce a zero magnetic field under balanced conditions. However because of the *Conductor* layout and spacing, a small resultant magnetic field is produced under normal operating conditions, which will result in an induced voltage in a parallel line. The magnitude of this voltage can be lethal.

Under *Power System* fault conditions, especially earth fault conditions, the magnitude of the magnetic field will be significantly greater due to the unbalanced nature of the current in the line as well as the magnitude of the current being significantly greater. Induced voltages that are two orders of magnitude higher than balanced load conditions can be expected at this time.

If the ends of the induced *Conductor* are connected via other *Conductors* or the earth to form a loop, then current will flow in the loop. The magnitude of this circulating current will be dependent on the induced voltage and the impedance of the loop. Again this circulating current will be two orders of magnitude greater during *Power System* fault conditions.

Therefore it is extremely important at any *Work Site* that the *Hazards* posed by these induced voltages and circulating current be countered by the application of additional *Approved Earths* at the *Work Site* to ensure that all *Apparatus* are maintained at the same potential. The earth *Conductors* shall be sufficiently rated and the connections shall be of a sufficiently low impedance to cope with the extremely high induced voltages and currents that can be expected during *Power System* fault conditions. Lethal potential differences shall not be allowed to develop at the *Work Site* under these circumstances.

The *Earths* shall be applied to the *Conductors* at the *Work Site* so that if disconnections are made within the *Apparatus* being worked on, all *Apparatus* continues to be maintained at the same earth potential.

Electrostatic Induction

An insulated *Conductor* in the electrostatic field produced by other *Live Conductors* will acquire a charge, giving it a voltage above earth potential. If such a *Conductor* makes contact with another *Conductor* (such as a human body) at another potential, there is an initially large Discharge current followed by a continuous Discharge current. The combined effect of this can vary from negligible to lethal for a human being.

The transferred charge, and even more importantly, the current which flows when the *Conductor* is *Earthed*, depends on the capacitance of the *Conductor* to earth (dependent on size and height above ground), the capacitance between the *Energised Conductor* and the insulated *Conductor* (dependent on separation), and the voltage of the *Energised Conductor*.

Electrostatic *Induction* is experienced when all *Earths* are removed (as for certain tests).

Therefore the removal of *Approved Earths*, (with Equipment designed for the purpose), should occur only after the test *Apparatus* is connected. Following the test, the *Earths* shall be replaced before any persons approach the *Apparatus*.

Both forms of *Induction* are controlled by the correct application of *Approved Earths* to each side of the work, *Additional Safety Measures* and / or insulated work procedures.

It is the work party's responsibility to ensure that they communicate their intentions to the local *Issuing Officer*, and (for trained and authorised personnel, eg line crews), where necessary, place sufficient *Approved Work Earths* to ensure that they are within a zone of equal electrical potential. The applied *Earths* should be clearly visible from the *Work Site* and provide an electrical bond between the *Apparatus* and a *Recognised Earth Point*.

INDUCTION EFFECTS

INDUCTION MECHANISM	**ELECTRO-MAGNETIC**	**ELECTROSTATIC**
Main Effect: (voltage rise)	Induced potential differences (transformer effect)	Capacitive charge
Seen as:	Voltages in *Isolated* lines and current flow in *Earthed* parallel pathways	Voltage rise in un*Earthed* metallic objects
Signs:	Circulating currents in *Earthed* lines, fences and pipelines	Corona radio interference audible noise
Danger:	Lethal voltages and current flow	Higher voltage Discharge
Control Measures:	Appropriate application of Operational and *Work Earths*. *Additional Safety Measures*. Insulated work procedures; or *Equipotential Work Area* conditions shall be created and maintained.	

WARNING!

Magnetic Fields May Affect Cardiac Pacemakers and other medical implants.

Persons with Cardiac Pacemakers and other medical implants are warned the electromagnetic fields existing at Power System sites may adversely affect the operation of these and could be hazardous to health.

Attachment B: Access Authority

Tasmanian Power System Safety Rules

ACCESS AUTHORITY

No AA 1000

COMMUNICATION OF OPERATIONAL INFORMATION

Received from Co-ord. Operator _____ **Auth No.**_____ **Location** _____

GENERAL

Location / Apparatus / Work Site _____

Description of Work _____

Contact person & Ph No. / Call sign _____

STATUS OF APPARATUS / WORK SITE

The above Apparatus / Work Site is

In-service **De-energised** **Isolated** **Earthed** ***(Cross out non applicable conditions)***

as prepared in accordance with Switching Sheet No._____ **with all isolation and earthing points highlighted**

HAZARDS / DANGER POINTS

The following Hazards / Danger points have been identified. _____

The following control measures and / or conditions for testing shall apply. _____

ISSUE

1) The above Location / Apparatus / Work Site has been made safe, for the work as described in the "Description of Work".
2) All isolations, earthing where applicable, Hazards / Danger points have been indicated.
3) Work Site introduction has been given.
4) The Person in Charge is authorised to receive this Access Authority.

	Print name	Signature	Auth. No.	Contact No.	Time	Date
Issuing Officer						

RECEIPT

1) I am authorised by the operating authority to receive this Access Authority.
2) I understand the terms and conditions of the Access Authority and the precautions and control measures taken.
3) I shall ensure all personnel entering the work site understand the terms and conditions of the Access Authority, the precautions taken as applicable and have signed on the Access Authority.
4) I have received a Work Site introduction.

	Print name	Signature	Auth. No.	Contact No.	Time	Date
Person in Charge						

SAFETY OBSERVER

1) I fully understand the role and responsibilities of a Safety Observer.
2) I understand the terms and conditions of the Access Authority and the precautions and control measures taken.
3) I understand the specific Hazards / Danger points that have necessitated my appointment as a Safety Observer.
4) I have received a Work Site introduction.
5) I shall perform the role of a Safety Observer exclusively and not perform any other task related to the work activity.

Safety Observer	Sign On			Sign Off		
Print Name	Signature	Time	Date	Signature	Time	Date

INSTRUCTED PERSON

1. I understand the terms and conditions of the Access Authority, the precautions and control measures taken and the relevant warnings.
2. Work Site introduction has been received in accordance with signatories' procedures.

Instructed Person	Sign On			Test Acknowledgement		Sign Off		
Print Name	Signature	Time	Date	Commenced	Complete	Signature	Time	Date

ACCESS AUTHORITY STATUS / PERSON IN CHARGE TRANSFER

1) I am authorised by the operating authority to receive this Access Authority.
2) I understand the terms and conditions of the Access Authority, the precautions and control measures taken.
3) Work Site introduction has been received.
4) I understand the status of the Access Authority.

Person In Charge			Sign On/Off				Status / Transfer
Print Name	Auth No.	Contact No.	Signature On	Signature Off	Time	Date	

SUPPLEMENTARY SIGNATURE SHEETS ATTACHED

Person In Charge	1 2 3	Safety Observer	1 2 3	Instructed Person	1 2 3

SURRENDER

1) All tools, gear and work earths are removed from the Apparatus and Work Site.
2) All personnel have signed off the Access Authority including all Supplementary Signature Sheets.
3) All personnel now regard the apparatus as **UNSAFE TO APPROACH**.

The Apparatus **is / is not** available for service. (Strike out which is not applicable)

Remarks _____

_____

I have advised the Issuing Officer that this Access Authority is now surrendered.

	Print Name	Signature	Auth. No.	Time	Date
Person in Charge					

CANCELLATION

1) All personnel have signed off the Access Authority including all Supplementary Signature Sheets.
2) The Access Authority has been signed by the Person In Charge to indicate that the Access Authority is surrendered.

This Access Authority is now cancelled.

	Print name	Signature	Auth. No.	Time	Date
Issuing Officer					

COMMUNICATION OF OPERATIONAL INFORMATION

Returned to Co-ord Operator _____ **Auth No.**_____ **Location** _____

Attachment G: Amendment Proposal

Publication Title: Power System Safety Rules

Section / Chapter / Page / Attachment

I have read the PSSR publication and find that it is:

☐ In error ☐ Incomplete

☐ Difficult to understand ☐ Poorly arranged

My specific comments are (attach separate sheets if necessary):

_____

_____

_____

_____

_____

_____

Name: _____

Signature: _____

Date: _____

Position: _____

Location: _____

Phone Number: _____

Fax Number: _____

Email Address: _____

PSSR Accreditation Number: T_____

What to do:

Photocopy the form on the previous page and fill in the information.

Forward any suggested changes (amendments, additions or deletions) to a member of the *Power System* Safety Committee for consideration.

A current list of Committee members is available on the *Power System* Safety web page, www.transend.com.au

Tell us about:

- Unclear or incorrect expressions.
- Conflict or inconsistencies between this and other documents.
- Out-of-date procedures.
- Proposals for change of rules.
- Any inadequacies in the rules relating to the stated aim or objective.
- Errors, omissions or suggested improvements.