



AUSTRALIAN RAIL TRACK CORPORATION LTD

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Discipline

Engineering Standard - NSW

Category

Electrical

Title

Hazard Assessment and Work Process Controls

Reference Number

PGP 02 - (RIC Standard: EP 95 00 00 05 SP)

Document Control

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The technical content of this document has been approved by the relevant ARTC engineering authority and has also been endorsed by the ARTC Safety Committee.

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About This Standard

This document stipulates the requirements that a contractor must have in place to assess the hazards present at a worksite and the requirement to document work control processes to mitigate the hazards

Document History

Primary Source – RIC Standard EP 95 00 00 05 SP Version 1.0

List of Amendments –

ISSUE	DATE	CLAUSE	DESCRIPTION
1.1	05/01/2005		Reformatted to ARTC Standard
1.2	11/03/2005	Disclaimer	Minor editorial changes

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1. General

A contractor's electrical safety system shall specify the person who will be responsible for the safety of the members of a work party, hereafter referred to as "the person in charge of the work party".

A contractor's electrical safety system shall require that the person in charge of the work party must assess the hazards present at the worksite. In the case of electrical hazards, an appropriate Permit must be arranged if the work may require persons, either directly or through any conductive object, to come within the prescribed electrical safe working distances. If the person in charge of the work party is uncertain about the applicable clearance distances or other electrical safety issues, advice must be sought from an Authorised Person.

2. Hazard and Risk Control Assessment

2.1. Written Assessment

A contractor's Electrical Safety System shall include a procedure which provides for a written hazard and risk control assessment before commencing work on any overhead line, pole or support carrying live equipment at any voltage (except 1500V overhead wiring).

2.2. Management Review

A contractor's Electrical Safety System shall include a procedure which provides for management review, random unannounced audits and reports which ensure, as far as is reasonably practical, that the requirements of 2.1 are being applied. The System shall also provide for a counselling and disciplinary code to be applied for persons who do not comply with the requirements of 2.1.

3. Work where a Permit is required

Where a Permit is required, the work must be carried out in accordance with the conditions of the Permit. ARTC publication PMP 06 "Permit System" sets out the responsibilities of the Permit Holder.

4. Work where a Permit is not required

Where the work will be carried out without infringing the prescribed electrical safe working distances of exposed electrical equipment, a contractor's electrical safety system shall provide that the person in charge of the work party is responsible for the electrical safety of the staff working under their control. Prior to the work commencing and whilst the work is being carried out, the person in charge of the work party must ensure that:

- The work process is adequately controlled so that persons do not come within the prescribed electrical safe working distances of exposed electrical equipment;
- Persons carrying out the work are warned not to allow any part of their body, clothes, tools or material they may be using or carrying to come within the safe working distances of exposed electrical equipment; and

- Persons carrying out the work understand the work process controls that have been put in place and that they must not pass over or under any work area markers, access markers, safety fences or other barriers placed in connection with the work.

5. Work Area and Access Markers

For work within a substation, a contractor's Electrical Safety System shall prescribe:

- a consistent means to distinguish the limits of the electrical safe working area within which electrical equipment has been made safe for work, and
- a consistent means to define an access to the work area where necessary.