

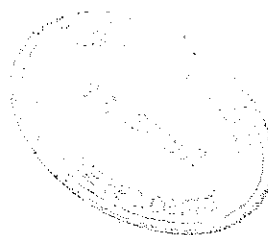
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COORDINATION OF POWER AND TELECOMMUNICATIONS— CROSSINGS CODE

**The arrangement of overhead power
and telecommunications lines,
pole stay wires, and suspension wires**



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Review of this Publication Suggestions for improvement to this Publication, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in this Publication should be made without delay in order that the matter may be investigated and appropriate action taken.

COORDINATION OF POWER AND TELECOMMUNICATIONS— CROSSINGS CODE

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First published by ESAA and ATC as TPH 2563(E)EP 1988.
Reset and redesignated SAA HB103—1997 (CJC 7).

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PREFACE

The publication entitled *CROSSINGS CODE*, and subtitled *Code of Practice for Crossings between Power and Telecommunication Overhead Lines In-Span, and those formed by attachment of Conductors to Common Supports and for Crossings Between Power and Telecommunication Stay Wires and Overhead Lines*, was prepared jointly by the then Australian Telecommunications Commission and the Electricity Supply Association of Australia (ESAA) and adopted on 19 January 1988.

It superseded three earlier publications: the *Code of Practice for Overhead Power and Telecommunication In-span Crossings*, Issue 1, 1969, the *Code of Practice for Stay Wire Crossings*, Issue 2, 1977, and the *Arrangement for the Common Use of Poles*, Issue 3, 1979.

The *Crossings Code* sets out the requirements for the design, construction and maintenance of:

- (a) in-span crossings between the overhead lines of a Power Authority and those of Telecom Australia,
- (b) crossings between the stay wires of a Power Authority and aerial lines of Telecom Australia and vice versa, and
- (c) crossings where a pole of a Power Authority or of Telecom Australia may be used to provide a common support for the conductors of both parties.

The *Crossings Code* gives guidelines for who is responsible for costs in the construction and maintenance of crossings. These are covered at the end of the Section headed 'Responsibilities'.

The *Crossings Code* does not apply to the crossings between the traction wires of a transport authority and the lines of Telecom Australia.

In 1997, Standards Australia agreed to reset, republish and distribute the *Crossings Code*, making the following changes in the text:

- (i) The term *Electricity Utility* has been used in place of Power Authority, in recognition of recent organizational changes in the Electricity Supply Industry.
- (ii) Telstra, the trading name of Telstra Corporation has been used in place of Telecom Australia.
- (iii) In Clause numbering, a fourth level numeral has been used to improve the identification of text items, e.g. the 1988 reference Clause 3.2.2 a. iv. has now become Clause 3.2.1.1 (d). Accordingly top-of-page second level Clause headings are no longer necessary.

This edition, like the original, includes no requirements for stringing of ABC (Aerial Bundled Cables), however see Clause 3.1.4. Pending revision of this edition, reference should be made to the various separations from other services and items specified in CJC 1 (SAA HB87).

While this publication is designed for improved comprehension, there is no substantive change from the 1988 edition. Accordingly the 1988 edition may continue to be used in parallel with this publication.

The publication makes reference to superseded ESAA publication entitled *Code of Practice for Overhead Line Construction*. Instead reference should be made to ESAA C(b)1—1991, *Guidelines for Design and Maintenance of Overhead Distribution and Transmission Lines*.

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This publication was prepared under the authority of Standards Australia/Standards New Zealand Committee ET/7, *Coordinating Committee for Power and Telecommunications (CCPT)*, the successor to the *Joint Committee for the Co-ordination of Power and Telecommunications Systems (CJC)*, and is one of a Series dealing with technical aspects of coordination which when complete will comprise:

- CJC 1 Joint use of poles: The placement on poles of power lines and paired cable telecommunications lines (SAA HB87—1997)
- CJC 2 Unbalanced high voltage power lines: Code of practice for the mitigation of noise induced into paired cable telecommunications lines from unbalanced high voltage power lines (SAA HB88—1997)
- CJC 3 Unbalanced high voltage power lines: Application Guide to the Code CJC 2 for the mitigation of noise induced into telecommunications lines (to be SAA HB89)
- CJC 4 Coordination of power and telecommunications: Manual for the establishment of safe work practices and the minimisation of operational interference between power systems and paired cable telecommunications systems (to be SAA HB100)
- CJC 5 Coordination of power and telecommunications—Low Frequency Induction (LFI): Code of practice for the mitigation of hazardous voltages induced into telecommunications lines (SAA HB101—1997)
- CJC 6 Coordination of power and telecommunications—Low Frequency Induction (LFI): Application Guide to the LFI Code (to be SAA HB102)
- CJC 7 Coordination of power and telecommunications—Crossings Code: The arrangement of overhead power and telecommunications lines, pole stay wires, and suspension wires (SAA HB103—1997) (this publication)

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