

Australian Standard<sup>®</sup>

**Air navigation—Cables and their  
supporting structures—Marking and  
safety requirements**

**Part 2: Marking of overhead cables for  
planned low-level flying operations**



This Australian Standard® was prepared by Committee EL-010, Overhead Lines. It was approved on behalf of the Council of Standards Australia on 26 February 2008. This Standard was published on 19 March 2008.

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The following are represented on Committee EL-010:

- Australasian Railway Association
  - Australian Electrical and Electronic Manufacturers Association
  - Electricity Engineers Association (New Zealand)
  - Energy Networks Association
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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## PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee EL-010, Overhead Lines, to supersede AS 3891.2—1992. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian, rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify requirements for aircraft warning markers on overhead cables for low-level flying.

This Standard is part two of a two part Standard as follows:

*AS 3891.1, Air navigation—Cables and their supporting structures—Marking and safety requirements, Part 1: Permanent marking of overhead cables and their supporting structures for other than planned low-level flying.*

*AS 3891.2, Air navigation—Cables and their supporting structures—Marking and safety requirements, Part 2: Marking of overhead cables for planned low-level flying operations (this Standard).*

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

## CONTENTS

	<i>Page</i>
1 SCOPE.....	4
2 REFERENCED DOCUMENTS.....	4
3 DEFINITIONS.....	4
4 DESIGN AND CONSTRUCTION OF MARKERS.....	5
APPENDIX A GUIDE TO THE INSTALLATION OF MARKERS.....	8

## STANDARDS AUSTRALIA

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### Australian Standard

## Air navigation—Cables and their supporting structures—Marking and safety requirements

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### Part 2: Marking of overhead cables for planned low-level flying operations

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#### 1 SCOPE

This Standard specifies requirements for permanent and temporary marking of overhead cables and their supporting structures for visual warnings to pilots of aircraft involved in intentional and legal low-level flying operations. Typical flying operations include aerial application, mustering, power line inspection, media and ballooning.

Markers specified in this part of the Standard are designed on the assumption that a pilot undertaking intentional and legal low-level flying is familiar with the obstacles in the area involved and requires only a visual reminder of the exact location of the cables.

NOTE: Appendix A provides guidance on the installation of markers.

#### 2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

2001 Methods of test for textiles

2001.4.B01 Method 4.B01: Colourfastness tests—Determination of colourfastness to daylight of textile materials

2700 Colour standards for general purposes

3891 Air navigation—Cables and their supporting structures—Marking and safety requirements

3891.1 Part 1: Permanent marking of overhead cables and their supporting structures for other than planned low-level flying

#### 3 DEFINITIONS

For the purpose of this Standard the definitions below apply.

##### 3.1 Aircraft warning marker

A marker installed on an overhead cable or its supporting structure or positioned in close proximity to and along the route of an overhead cable to delineate the existence or presence of such cables and structures for the purpose of warning aircraft pilots.

##### 3.2 Landing areas for planned low-level flying operations

Any landing or alighting place other than the authorized landing areas defined in AS 3891.1.