

Australian/New Zealand Standard™

**Siting and operation of  
radiocommunications facilities**

**Part 2: Guidelines for siting of  
radiocommunications facilities: VHF,  
UHF and SHF**



## **AS/NZS 5070.2:2008**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee RC-006, Radiocommunications Equipment—General. It was approved on behalf of the Council of Standards Australia on 26 February 2008 and on behalf of the Council of Standards New Zealand on 7 March 2008. This Standard was published on 19 May 2008.

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The following are represented on Committee RC-006:

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Australian Communications and Media Authority  
Australian Electrical and Electronic Manufacturers Association  
Australian Information Industry Association  
Civil Aviation Safety Authority  
Electromagnetic Technical Evaluation Committee (New Zealand)  
Free TV Australia  
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Originally as part of AS 3516.2—1998.  
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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee RC-006, Radiocommunications Equipment—General to supersede part of AS 3516.2—1998, *Siting of radiocommunications facilities, Part 2: Guidelines for fixed, mobile and broadcasting services operating at frequencies above 30 MHz*, which will remain available superseded.

This Standard is the second part of a revised set of Standards on the subject of siting and operation of radiocommunications facilities. It deals with those issues unique to fixed, mobile and broadcasting services operating at frequencies above 30 MHz

At this time the only other part of the set is:

AS/NZS 5070.1, Part 1: *General guidelines for fixed, mobile and broadcasting services independent of the operating frequency*.

Other Standards may be added to the set in future if the need arises.

This Standard should be read and applied in conjunction with AS/NZS 5070.1.

The Standard is intended to provide information to responsible authorities, site owners, facilities planners, site planners, site personnel, other organizations and members of the public, on the effects that existing or planned developments could be expected to have on the operation of radiocommunications facilities. It is intended to assist relevant authorities and concerned parties when considering the impact that radiocommunications facilities might have on the environment and the community.

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>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE .....	4
1.2 APPLICATION .....	4
1.3 REFERENCED AND RELATED DOCUMENTS .....	4
SECTION 2 MANAGEMENT .....	5
SECTION 3 PLANNING AND DESIGN	
3.1 GENERAL .....	7
3.2 PROPAGATION/COVERAGE .....	7
3.3 VHF, UHF AND SHF EQUIPMENT .....	7
3.4 VHF, UHF AND SHF ANTENNA SYSTEMS .....	7
SECTION 4 CONSTRUCTION AND INSTALLATION	
4.1 GENERAL .....	9
4.2 VHF, UHF AND SHF ANTENNA SYSTEMS .....	9
SECTION 5 COMMISSIONING	
5.1 GENERAL .....	10
5.2 CRITICAL VHF, UHF AND SHF SYSTEM PARAMETERS .....	10
SECTION 6 OPERATION AND MAINTENANCE .....	11
SECTION 7 DECOMMISSIONING .....	12
APPENDICES	
A PROPAGATION OF VHF, UHF AND SHF SIGNALS .....	13
B VHF, UHF AND SHF EQUIPMENT .....	15
C VHF, UHF AND SHF ANTENNA SYSTEMS .....	17
D CELLULAR PHONE SYSTEMS .....	20

## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard provides guidance for the siting, installation and operation of radiocommunications facilities for fixed, mobile and broadcasting services operating at frequencies above 30 MHz, which are generically known as the VHF, UHF and SHF bands.

It is intended to assist those responsible for the planning, construction, installation, operation, maintenance and decommissioning of radiocommunications and broadcasting services. Over and above that provided in AS/NZS 5070.1:2007 it provides additional information and guidance for organizations and the public from the viewpoint of the impact on the general public and operational staff, of the siting of radiocommunications and broadcasting facilities operating at frequencies above 30 MHz. It also provides information on the effects that existing or planned developments in the vicinity of those facilities could be expected to have on the operations of such facilities.

**1.2 APPLICATION**

This Standard applies to facilities used for radiocommunications purposes above 30 MHz such as—

- (a) cellular telephone base stations;
- (b) two-way radio base stations;
- (c) broadcasting stations used for television, FM radio, AM radio and similar services;
- (d) point-to-point stations;
- (e) point-to-multipoint stations (excluding remote stations); and
- (f) radiolocation stations.

This Standard is not however intended to apply to mobile, handheld, amateur, domestic radio equipment or equipment operated under Class Licences (Australia) or General User Radio Licences (New Zealand).

**1.3 REFERENCED AND RELATED DOCUMENTS****1.3.1 Referenced documents**

The following documents are referred to in this Standard:

AS/NZS	
1891	Industrial fall-arrest systems and devices—Safety belts and harnesses
2210	Occupational protective footwear