

AS 1188—1990

Australian Standard<sup>®</sup>

---

**Radio transmitters and similar  
equipment—Safe practices**

---

This Australian Standard was prepared by Committee TE/14, Radio Communication. It was approved on behalf of the Council of Standards Australia on 21 May 1990 and published on 17 September 1990.

---

The following interests are represented on Committee TE/14:

Association of Consulting Engineers Australia  
Aussat  
Australian Broadcasting Corporation  
CSIRO—Applied Physics Division  
Confederation of Australian Industry  
Consumer Electronics Suppliers Association  
Department of Defence  
Department of Transport and Communications  
Electricity Supply Association of Australia  
Federation of Australian Commercial Television Stations  
Federation of Australian Radio Broadcasters  
Institution of Radio and Electronics Engineers Australia  
Macquarie University  
Metropolitan Transit Authority (Melbourne)  
Society of Automotive Engineers Australasia  
Telecom Australia  
Testing interests  
Wireless Institute of Australia

Additional interests participating in preparation of Standard:

Department of Industry Technology and Commerce

---

**Review of Australian Standards.** *To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.*

*Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.*

*Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.*

---

*This Standard was issued in draft form for comment as DR 88205.*

AS 1188—1990

Australian Standard<sup>®</sup>

---

**Radio transmitters and similar  
equipment—Safe practices**

---

First published as AS 1188—1972.  
Second edition 1990.

PUBLISHED BY STANDARDS AUSTRALIA  
(STANDARDS ASSOCIATION OF AUSTRALIA)  
1 THE CRESCENT, HOMEBUSH, NSW 2140

ISBN 0 7262 6366 4

## PREFACE

This Standard was prepared by the Standards Australia Committee on Radiocommunication to encompass recent technical developments in safety practices when working with radio transmitters and similar equipment.

It is a revision of AS 1188—1972 *Rules for safe practice in the operation and maintenance of electronic equipment* (known as the *SAA Code for Safety of Electronic Equipment*), which was based on the International Electrotechnical Commission (IEC) Publication 284 and, for completeness, includes extracts from AS 2243—*Safety in laboratories*, IEC Publication 479\*, NHMR Code of practice for disposal of radioactive waste and the Fire protection handbook of the National Fire Protection Association.

The title of this Standard was changed to give a better indication of the content.

Section 3 contains extracts from IEC 479\* which is being considered for adoption as the revision of MP30\*, these extracts being guidance only for applications within this Standard's Scope.

Attention is drawn to possible statutory regulations covering some of the subject matter of this Standard.

Clause 3.8—Live parts and current limits, does not apply to equipment operating on the Telecom network at Telecom network voltages (TNV), for which reference to Austel and Telecom regulations should be made.

---

\* Report on the effects of current passing through the human body.

### © Copyright — STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

## CONTENTS

	<i>Page</i>
FOREWORD .....	4
1 SCOPE AND APPLICATION .....	5
2 DEFINITIONS .....	6
3 DANGEROUS VOLTAGES AND CURRENTS .....	6
4 PROTECTIVE GUARDS AND WARNING SIGNS .....	8
5 ACTION IN CASE OF FIRE .....	8
6 ELECTRIC SHOCK .....	9
7 MAINTENANCE OF EQUIPMENT .....	10
8 ISOLATION OF DANGEROUS VOLTAGES .....	11
9 ENSURING CONTINUED ABSENCE OF DANGEROUS VOLTAGES .....	12
10 OPERATING PRACTICES .....	13
11 CLEANING ELECTRONIC EQUIPMENT .....	13
12 WORKING ON OR NEAR LIVE CIRCUITS .....	14
13 OTHER HAZARDS .....	14
APPENDICES	
A TREATMENT OF VICTIMS OF ELECTRIC SHOCK .....	19
B ELECTRICAL SAFETY SYSTEMS .....	24
INDEX .....	26

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-