

AS/NZS 3821:1998
IEC 60406:1997

AS/NZS 3821

Australian/New Zealand Standard™

**Cassettes for medical X-ray
diagnosis—Radiographic cassettes
and mammographic cassettes**

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AS/NZS 3821:1998

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee HE/3, Medical Electrical Equipment. It was approved on behalf of the Council of Standards Australia on 27 February 1998 and on behalf of the Council of Standards New Zealand on 13 April 1998. It was published on 5 June 1998.

The following interests are represented on Committee HE/3:

Australasian College of Physical Scientists and Engineers in Medicine
 Australasian Society for Ultrasound in Medicine
 Australian & New Zealand College of Anaesthetists
 Australian Dental Association
 Australian Institute of Radiography
 Australian Radiation Laboratory
 Australian Society of Anaesthetists
 College of Biomedical Engineering, Institution of Engineers Australia
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee HE/3, Medical Electrical Equipment, as a Joint Standard. It is identical with and has been reproduced from IEC 60406:1997, *Cassettes for medical X-ray diagnosis—Radiographic cassettes and mammographic cassettes*.

The even numbered pages of the original publication are in French and are omitted from this version. Some other pages of the original, which relate to IEC administrative matters, are also omitted from this edition.

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- (a) Its number does not appear on each page of text and its identity is shown on the covered title page.
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IEC		AS/NZS	
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658	Radiographic intensifying screens for medical use—Dimensions	—	
788	Medical radiology—Terminology	—	
1223-2-2	Evaluation and routine testing in medical imaging departments— Part 2-2: Constancy tests— Radiographic cassettes and film changers—Film-screen contact and relative sensitivity of the screen- cassette assembly	4184.2.2	Evaluation and routine testing in medical imaging departments— Part 2.2: Constancy tests— Radiographic cassettes and film changers—Film-screen contact and relative sensitivity of the screen- cassette assembly
1267	Medical diagnostic X-ray equipment— Radiation conditions for use in the determination of characteristics	4358	Medical diagnostic X-ray equipment— Radiation conditions for use in the determination of characteristics
ISO			
2092	Light metals and their alloys—Code of designation based on chemical symbols	—	

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the Annex to which they apply. A ‘normative’ Annex is an integral part of a Standard, whereas an ‘informative’ Annex is only for information and guidance.

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AUSTRALIAN/NEW ZEALAND STANDARD

CASSETTES FOR MEDICAL X-RAY DIAGNOSIS –

Radiographic cassettes and mammographic cassettes

1 Scope

This International Standard deals with the manufacture of RADIOGRAPHIC CASSETTES and mammographic cassettes intended to be used with RADIOGRAPHIC SCREENS in medical practice.

This standard does not apply to special cassettes (such as cassettes with built-in ANTI-SCATTER GRIDS, cassettes for simultaneous TOMOGRAPHY). It is provided to ensure that X-RAY EQUIPMENT can be operated with RADIOGRAPHIC CASSETTES of different MANUFACTURERS.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 336: 1993, *X-ray tube assemblies for medical diagnosis – Characteristics of focal spots*

IEC 658: 1979, *Radiographic intensifying screens for medical use – Dimensions*

IEC 788: 1984, *Medical radiology – Terminology*

IEC 1223-2-2: 1993, *Evaluation and routine testing in medical imaging departments – Part 2-2: Constancy tests – Radiographic cassettes and film changers – Film-screen contact and relative sensitivity of the screen-cassette assembly*

IEC 1267: 1994, *Medical diagnostic X-ray equipment – Radiation conditions for use in the determination of characteristics*

ISO 2092: 1981, *Light metals and their alloys – Code of designation based on chemical symbols*

3 Terminology**3.1 Degree of requirements**

In this standard, certain terms (which are not printed in SMALL CAPITALS) have particular meanings, as follows:

- "shall" indicates a requirement that is mandatory for compliance;
- "should" indicates a strong recommendation that is not mandatory for compliance;
- "may" indicates a permitted manner of complying with a requirement;