

Medical electrical equipment —

**Part 2: Particular requirements for
safety —**

**Section 2.11 Specification for gamma
beam therapy equipment —**

**Supplement 2: Methods of test for
radiation safety**

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Health Care Standards Policy Committee (HCC/-) to Technical Committee HCC/81, upon which the following bodies were represented:

- Association of X-ray Equipment Manufacturers (BEAMA Ltd.)
- British Institute of Radiology
- College of Radiographers
- Department of Health
- Department of Trade and Industry (National Physical Laboratory)
- Institute of Physical Sciences in Medicine
- Institution of Electrical Engineers
- National Radiological Protection Board
- Royal College of Radiologists

This British Standard, having been prepared under the direction of the Health Care Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 October 1993

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Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Introduction	1
Section 1. General	
1 Scope and object	1
4 Identification, marking and documentation	1
Section 2. Radiation safety requirements for equipment (manufacturer)	
5.1 SOURCE CARRIER or SHUTTER	2
5.2 BEAM OFF and BEAM ON conditions	2
5.3 Control of IRRADIATION	3
5.4 STATIONARY RADIOTHERAPY and MOVING BEAM RADIOTHERAPY	4
5.5 Beam distributing systems	5
5.6 WEDGE FILTERS	5
5.7 BEAM APPLICATORS	5
5.8 Starting facilities	6
5.9 INTERRUPTION facilities	6
5.10 TERMINATION facilities	6
5.11 Unplanned TERMINATION	6
5.12 System checking facilities	6
6 Protection of the PATIENT against STRAY RADIATION in the RADIATION BEAM	7
7 Protection of the PATIENT against RADIATION outside the RADIATION BEAM	7
8 RADIATION safety for persons other than PATIENTS	8
Appendix A Terminology	10
Figure 7 — Test plan orthogonal to the RADIATION BEAM AXIS at the NORMAL TREATMENT DISTANCE	10
Figure 8 — Locations of test points for SITE TEST of item b) of 7.2.1	11
List of references	Inside back cover

National foreword

This Supplement to Section 2.11 of BS 5724 has been prepared under the direction of the Health Care Standards Policy Committee. It is identical with Amendment 2 to IEC 601-2-11:1987 *Medical electrical equipment — Part 2 Particular requirements for the safety of gamma beam therapy equipment*, published by the International Electrotechnical Commission (IEC).

Section 2.11 of BS 5724 was published in 1989. It implemented IEC 601-2-11:1987 which consisted of two sections: section 1 *General*, which amended and supplemented certain clauses of BS 5724-1 (hereinafter called the General Standard), and section 2 *Radiation safety requirements* which extended the requirements specified in clause 30 of the General Standard. Supplement 1 to BS 5724-2.11 presented some amendments to section 1 of that standard as well as providing an additional section, section 3 *Electrical and mechanical safety requirements*.

This Supplement 2 to BS 5724-2.11 presents the test procedures by which compliance with the radiation safety requirements is to be assessed. Within the text, any reference to the “Particular Standard” is a reference to BS 5724-2.11. References to page numbers are to those pages in the Particular Standard.

Changes from the text of the General Standard or of the Particular Standard are specified by the use of the following words:

“Replacement” means that the clause, subclause or specified paragraph of the General Standard is replaced by the text of this standard.

“Amendment” means that the clause, subclause or specified paragraph of the General Standard is amended as indicated by the text of this standard.

“Addition” means that the text of this standard is additional to the requirements of the General Standard.

For the purpose of this British Standard, any references to IEC page numbers in the text should be ignored.

Cross-reference

International Standard	Corresponding British Standard
IEC 601-2-11:1987	BS 5724 <i>Medical electrical equipment</i> Section 2.11:1989 <i>Specification for gamma beam therapy equipment</i> (Identical)

Additional information. Reference is made in the Introduction to the “Particular Standard”. This reference is to IEC 601-2-11:1987 which was implemented as BS 5724-2.11:1989.

The following print types are used in this standard:

- requirements, compliance with which can be tested, and definitions: in roman type;
- explanations, advice and general statements: in small roman type;
- test procedures: in italic type;*
- terms defined in clause 2 of the General Standard, in BS 6641 and in this Particular Standard: in SMALL CAPITALS.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

