

Medical electrical equipment —

Part 2: Particular requirements for safety —

Section 2.11 Specification for gamma beam therapy equipment —

Supplement 1: Revised and additional text —

(Implementation of CENELEC HD 395.2.11 S2)

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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 (IPSM)
- Institution of Electrical Engineers
- National Radiological Protection Board
- Royal College of Radiologists

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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 No. 1 to IEC Publication 601-2-11:1987 “*Medical electrical equipment*” Part 2 “*Particular requirements for the safety of gamma beam therapy equipment*” Section 3: “*Electrical and mechanical safety for equipment*” which was published in 1988 by Technical Committee TC 62, Electrical equipment in medical practice, of the International Electrotechnical Commission (IEC). This Supplement to Section 2.11 of BS 5724, together with BS 5724-2.11 itself, also implements Harmonization Document HD 395.2.11 S2 which was published by the European Committee for Electrotechnical Standardization (CENELEC) and approved by the CENELEC Technical Board on 1 February 1990. There are no CENELEC modifications in HD 395.2.11 S2.

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.

This Supplement 1 to BS 5724-2.11 presents some amendments to Section 1 of that Standard as well as providing an additional section, Section 3 “*Electrical and mechanical safety requirements*” (see Introduction). These additional requirements similarly amend and supplement the General Standard.

Unlike other Sections of BS 5724, the clause numbering is not identical to that of the General Standard. The table in the Introduction presents the equivalence between the clause numbers in this Supplement and the clause numbers in the General Standard. The changes from the text of the General 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 purposes of this British Standard, any references to IEC page numbers in the text should be ignored.

Cross-reference

International Standard	Corresponding British Standard
IEC 601-1:1977 ^a	BS 5724 <i>Medical electrical equipment</i> Part 1:1979 <i>Specification for general safety requirements</i> (Technically equivalent)

^a The 1977 edition of IEC 601-1 has been superseded by IEC 601-1:1988 and the corresponding British Standard for this revision is BS 5724-1:1989.

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.

In clause 18 of this Supplement, the references to “Sub-clause 4.1.1” are to that subclause of BS 5724-2.11:1989.

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Summary of pages

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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.

