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Protective devices against diagnostic medical X-radiation — Part 3: Protective clothing, eyewear and protective patient shields

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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been established by the Minister of Health, Labour and Welfare and the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Medical Imaging and Radiological Systems Industries Association (JIRA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act.

This Standard replaces **JIS Z 4831** : 2000, which has been withdrawn.

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Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Ministers and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.

JIS T 61331 series consists of the following 3 parts under the general title *Protective devices against diagnostic medical X-radiation* —

Part 1: Determination of attenuation properties of materials

Part 2: Translucent protective plates

Part 3: Protective clothing, eyewear and protective patient shields

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Protective devices against diagnostic medical X-radiation —Part 3: Protective clothing, eyewear and protective patient shields

Introduction

This Japanese Industrial Standard has been prepared based on **IEC 61331-3** : 2014, Edition 2, with some modifications of the technical contents to reflect the unique conditions in Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB.

In this Standard, terms defined in **JIS T 0601-1**, **JIS T 0601-1-3**, **JIS Z 4005** and Clause **3** of this Standard are presented in small capitals.

1 Scope

This Standard applies to PROTECTIVE DEVICES such as PROTECTIVE CLOTHING and EYEWEAR for the protection of persons against X-RADIATION up to 150 kV, during RADIOLOGICAL examinations and interventional procedures.

NOTE 1 PROTECTIVE DEVICES are not intended by themselves to provide complete protection of persons, but are used to reduce the dose to persons where other methods of protection against X-RADIATION are insufficient or not applicable.

This Standard deals with:

— general requirements on the ACCOMPANYING DOCUMENTS, on design and on materials used;

— sizing, particular design features, minimum ATTENUATION properties of materials, marking and standardized forms of statements of compliance with this Standard.

It covers PROTECTIVE DEVICES mainly for the protection of the OPERATOR, such as:

— PROTECTIVE APRONS and CLOSED PROTECTIVE APRONS;

— THYROID COLLARS;

— PROTECTIVE GLOVES;

— PROTECTIVE MITTENS;

— PROTECTIVE EYEWEAR.

and PROTECTIVE DEVICES for the protection of the PATIENT, such as:

— PROTECTIVE GONAD APRONS;

— SCROTUM SHIELDS;

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