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Safety requirements of electrical installations for medically used rooms in hospitals and clinics

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Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Installation of medical earthing system, non-earthed wiring system and emergency power supply	4
4.1 Medical earthing system	4
4.2 Non-earthed wiring system	10
4.3 Emergency power supply	13
5 Power supply circuit in medical room	15
6 Inspection and maintenance	16
Annex A (informative) Calculation of earth resistance of building structures	18

Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry based on the provision of Article 14, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act in response to a proposal for revision of Japanese Industrial Standard with a draft being attached, submitted by Japanese Standards Association (JSA), an accredited standards development organization. This edition replaces the previous edition (**JIS T 1022** : 2018), which has been technically revised.

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Safety requirements of electrical installations for medically used rooms in hospitals and clinics

1 Scope

This Japanese Industrial Standard specifies the methods for installation, inspection and maintenance of the earth, emergency power supply and power supply circuit of electrical installations provided in medical rooms such as hospitals and clinics for the purpose of ensuring safety in use of medical electrical equipment.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 2808 *Hospital grade earth centerbodies and terminals*

JIS C 3307 *600 V Polyvinyl chloride insulated wires*

JIS C 3612 *600V Flame retardant polyethylene insulated wires*

JIS C 4411-1 *Uninterruptible power systems (UPS) — Part 1: General and safety requirements for UPS*

JIS C 4411-2 *Uninterruptible power systems (UPS) — Part 2: Electromagnetic compatibility (EMC) requirements*

JIS C 4411-3 *Uninterruptible power systems (UPS) — Part 3: Method of specifying the performance and test requirements*

JIS C 8201-2-2 *Low-voltage switchgear and controlgear — Part 2-2: Circuit-breakers incorporating residual current protection*

JIS T 0601-1 *Medical electrical equipment — Part 1: General requirements for basic safety and essential performance*

JIS T 1021 *Hospital grade outlet-sockets and plugs*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

3.1

medical room

room to provide medical care such as medical consultation, examination, medical treatment, observation, etc.

3.2