

JIS

JAPANESE INDUSTRIAL STANDARD

**Guideline for usability-
design of electric home appliances**

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**In the event of any doubt arising,
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Guideline for usability-design of electric home appliances C 9102-1996

1. Scope This Japanese Industrial Standard specifies the matters to be basically taken into account as the guideline for design of domestic home appliances to improve their usability.

Remarks : How to use electric home appliances is quite different according to the kind of product, the user or the service environment. Accordingly, it is difficult to say that the matters to be taken into account stated in each sub-clause of this Standard are the provision applicable to any case. Therefore the provisions should be selected adequately according to the kind of product and other conditions and applied as the guideline capacity.

2. Definitions For the purpose of this Standard the following principal definitions shall apply.

- (1) electric home appliance An electrical or electronic equipment for household purpose used by general consumers. Electrical or electronic equipments used for special purposes, i.e., for installation, business, specialist are excluded.
- (2) operation An action made by the user on an electric home appliance to achieve his purpose.
- (3) usability The easiness in understanding and operating for the user to use the electric home appliance without mistake.
- (4) operating element The part to which the user applies a force directly to operate an electric home appliance, and the part which indicates operating method, direction of operation, operating procedure, state of electric home appliance, etc.

Examples : Buttons, knobs, handles, lamps, meters, letter markings, and graphical symbols.

- (5) operating part An assembly of operating elements.

Examples : Operating panel, etc.

- (6) operating environment Various conditions such as illumination, noise, breadth, temperature and humidity of the operating place which will affect the electric home appliance when it is operated in a home life of general consumer.

3. General rule General rule is as stated below.

- (1) At the design of electric home appliances, the factors of usability shall be taken into account from a standpoint of the user.
In this procedure, such factors that "who" intends to do "what operation" under "what conditions" for "what purpose" by "what method" shall be taken into account and further, enough consideration on correlation between various factors shall be taken into account.
- (2) The usability shall be sufficiently investigated and evaluated in the developing stage of a product (e.g. product planning stage, design stage, investigation stage of trial product, etc.)