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**Safety requirements for horse riding style
electric wheelchair**

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Foreword

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Safety requirements for horse riding style electric wheelchair

1 Scope

This Japanese Industrial Standard specifies requirements for the safe design and information for use of electric wheel-driven wheelchairs with convertible chair for indoor movement equipped with a seat elevating mechanism and swivel mechanism, that are designed so as to allow users to slide into the seat from the rear side of the chair (hereafter referred to as the horse riding style electric wheelchairs).

This Standard describes hazards associated with the use of horse riding style electric wheelchairs and provides information to eliminate or minimize the risks associated with these hazards.

NOTE The horse riding style electric wheelchairs are designed to allow users to operate the wheelchair themselves while keeping their posture by putting their weight on the body support system of the wheelchair, thereby enhancing and improving the quality of life of users in their movement inside care facilities, medical facilities and their own homes.

2 Normative reference

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

JIS T 0102 *Glossary of terms used in assistive products for persons with disabilities*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions, and those given in **JIS T 0102** apply.

NOTE For typical structures and names of components, see Annex A.

3.1

horse riding style electric wheelchair

electric wheelchair with a seat height adjustment function that allows the user to bring the seat flush and in close contact with the start or end position of transfer (e.g. bed, toilet) and slide into/out of the wheelchair from the rear side of the seat

Note 1 to entry In this Standard, a horse riding style electric wheelchair may be referred to as the machine body.

3.2

body support system