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**Personnel competence for
machinery safety**

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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 Nippon Electric Control Equipment Industries Association (NECA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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Personnel competence for machinery safety

1 Scope

This Japanese Industrial Standard specifies requirements for competence of personnel responsible for the safety of machines used in the industrial field among machines as specified in **JIS B 9700**. This Standard categorizes competence required to perform risk assessment and to implement protective measures based on the results of risk assessment. It also specifies knowledge and skills required for the respective categories. This Standard does not cover knowledge and skills of design and manufacture of general machines, or knowledge and skills required in specific technical fields, other than those required in the field of machinery safety. It also does not cover ethics required of technicians who are engaged in specialized works based on those knowledge and skills.

NOTE 1 This Standard provides descriptions of works that can be performed by a person having competence as specified for each competence category; however, in actual operations, works and jobs performed by a person having the respective competence are not limited to those specified in this Standard.

NOTE 2 This Standard categorizes competence based on knowledge and skills generally required in the field of machinery safety. It is not intended for application to specific jobs such as designers. It is recommended that a user of this Standard determine the necessary competence based on the work specified for each competence category.

NOTE 3 “Machines used in the industrial field” to which this Standard applies indicates those used in the workplace, and does not include those used in a public environment or at home. The term “competence” used in this Standard has the same meaning as that defined in **JIS Q 17024** as the ability to apply knowledge and skills to achieve intended results.

2 Normative references

The following standards contain provisions which, 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 B 9700 *Safety of machinery—General principles for design—Risk assessment and risk reduction*

JIS B 9705-1 *Safety of machinery—Safety-related parts of control systems—Part 1: General principles for design*

JIS B 9960-1 *Safety of machinery—Electrical equipment of machines—Part 1: General requirements*

JIS Z 8051 *Safety aspects—Guidelines for their inclusion in standards*