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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 20438.6-2017

**Functional safety of electrical/electronic/programmable
electronic safety-related systems -- Part 6: Guidelines on the
application of GB/T 20438.2 and GB/T 20438.3**

(English Translation)

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1 Scope

One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. In this context, the requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the publications prepared by those technical committees.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 20438.2-2017 Functional Safety of Electrical / Electronic / Programmable
Electronic Safety-related Systems - Part 2.Requirements for Electrical / Electronic /
Programmable Electronic Safety-related Systems (IEC 61805-2:2010, IDT)

3 Definitions and Abbreviations

For the purposes of this document, the definitions and abbreviations given in GB/T 20438.4-2017 apply.

Annex A (informative)

Application of GB/T 20438.2 and GB/T 20438.3

Annex B (informative)

Example of Technique for Evaluating Probabilities of Hardware Failure

B.1 General

This annex provides possible techniques for calculating the probabilities of hardware failure for E/E/PE safety-related systems installed in accordance with GB/T 20438.1,

GB/T 20438.2 and GB/T 20438.3.

GB/T 20438.4-2017 | GB/T 20438.7-2017 | GB/T 20438.5-2017 | GB/T 20438.3-2017 |