



JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

---

JIS Q 2001 : 2001

**Guidelines for development  
and implementation of  
risk management system**

---

ICS 03.100.50; 03.120.10

**Descriptors** : management operations, safety engineering

**Reference number** : JIS Q 2001 : 2001 (E)

## Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

This Standard refers to the technical contents of **TR Q 0001 : 1998** (Type II) *Risk management system*, which is withdrawn and replaced with this Standard.

Date of Establishment: 2001-03-20

Date of Public Notice in Official Gazette: 2001-03-21

Investigated by: Japanese Industrial Standards Committee

Divisional Council on Accreditation and  
Certification

---

JIS Q 2001 : 2001, First English edition published in 2001-07

Translated and published by: Japanese Standards Association  
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

---

In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

© JSA 2001

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

## Contents

	Page
0 Introduction .....	1
1 Scope .....	1
2 Definitions .....	2
3 Principles and elements of risk management systems .....	4
3.1 General principles .....	4
3.2 Structure to establish and maintain the risk management system .....	5
3.2.1 Role of the top management of the organization .....	5
3.2.2 Role of the chief risk management system officer .....	5
3.3 Risk management policy .....	6
3.3.1 Announcement of the risk management policy .....	6
3.3.2 Risk management conduct guide .....	6
3.3.3 Establishment of risk management objectives .....	6
3.4 Planning for the risk management .....	7
3.4.1 Risk analysis .....	7
3.4.2 Risk evaluation .....	8
3.4.3 Risk management targets .....	8
3.4.4 Selection of risk treatments .....	8
3.4.5 Establishment of a risk management program .....	9
3.5 Implementation of risk management .....	9
3.5.1 Implementation of the risk management program .....	9
3.5.2 Additional considerations for emergencies .....	10
3.5.3 Additional considerations for resumption .....	11
3.5.4 Operational control .....	11
3.6 Evaluation of the risk management performance and effectiveness of the risk management system .....	12
3.6.1 Evaluation of the risk management performance .....	12
3.6.2 Evaluation of effectiveness of the risk management system .....	14

3.7	Implementation of corrective and improvement measures for the risk management system .....	15
3.7.1	Continual implementation of corrective and improvement measures for the risk management system .....	15
3.7.2	Confirmation of the implementation .....	16
3.8	Supporting elements for maintaining the risk management system .....	16
3.8.1	Capabilities, education and training .....	16
3.8.2	Simulations .....	16
3.8.3	Risk communication .....	17
3.8.4	Documentation of the risk management system .....	18
3.8.5	Document control .....	18
3.8.6	Monitoring of the found risks .....	19
3.8.7	Maintenance and management of the records .....	19
3.8.8	Audit of the risk management system .....	20
3.9	Review by the organization's top .....	20

## **Guidelines for development and implementation of risk management system**

**0 Introduction** Recent years have seen the manifestation of various kinds of risks that concern activities of an organization, such as natural disasters, manmade disasters, and economic incidents. In many cases, the various kinds of damages resulting from these events can give rise to difficulties in activities of an organization, sometimes even affecting the organization's very existence. Adding above, there are cases where events caused by a certain organization can affect its interested parties and the community it belongs to. In these circumstances, an organization is required to stabilize its operation by implementing appropriate measures to deal with risks, to minimize the effects from the realization of risks, and to act so as to prevent any harm to society.

Accordingly, an organization should introduce and carry out risk management to find risks in daily activities, to appropriately deal with risks, to develop emergency response plans and resumption plans for maintaining and resuming the organization's operations in the event of an emergency.

This Japanese Industrial Standard intends to provide a framework for the implementation of a risk management system, to provide principles and elements for the development and implementation of a risk management system, and to be applicable to any risk and any organization regardless of type or size. This Japanese Industrial Standard can also be used to establish a common base for terms and concepts on risks, and to share a common understanding on risk among interested parties. This Japanese Industrial Standard is expected to contribute to the construction of society-based risk response that goes beyond the structure of the organization itself. The final objective of this Japanese Industrial Standard is for an organization, and society as a whole, to be able to respond appropriately to risks through the establishment and improvement of a risk management system that balances the needs of society and the organization itself.

The elements of a risk management system provided in this Japanese Industrial Standard do not need to be established independently of existing management system elements. In some cases, it will be possible to comply with the elements by adapting existing management system elements. The measures taken by each individual organization may differ depending on the characteristics, activities, policy and circumstances of the organization concerned. Thus various organizations may comply with the requirements of this Standard by carrying out similar activities but taking different response measures. The adoption of this Japanese Industrial Standard by an organization is the responsibility of the organization concerned. An organization will not be exempted from other statutory regulations, social requirements, or criterion for maintaining social order, even though an organization is operated consistently with this Standard.

**1 Scope** This Japanese Industrial Standard provides principles and elements for the establishment of a risk management system. These principles and elements are applicable to any types of organizations, and to any kinds of risks. This Standard is not intended for use as a certification criterion.