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

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**Societal security - Emergency management - Message
structure for exchange of information**

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foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents"

drafting:

This document is modified to adopt ISO /T R22351:2015 "Public Safety Emergency Management Information Interaction Structure":

Compared with ISO /T R22351:2015, this document has made the following structural adjustments:

---Chapter 5 and Chapter 6 respectively correspond to Chapter 4 and Chapter 5 in ISO /T R22351:2015:

The technical differences between this document and ISO /T R22351:2015 and their reasons are as follows:

--- New terms: In ISO /T R22351:2015, the terms and definitions section does not list specific terms, by referring to the published national

National standards, adding the terms and definitions involved in this document to adapt to the application of this document in our country:

--- Add abbreviations: In ISO /T R22351:2015, abbreviations are used in many places,

which are not listed in the original document, and abbreviations are added in this document

Language (Chapter 4) to make the text more concise to increase the readability of the document:

The following editorial changes have been made to this document:

--- Delete Figure A:1 and Figure A:2 in Appendix A: In ISO /T R22351:2015, the two pictures in the appendix are used as examples only, because

The text part of the appendix has clearly stated the content of the pictures, and the two pictures involve the use of foreign map products and trademarks

Therefore, the two pictures are deleted to adapt to the application of this document in our country:

---Adjust the expression of Table B:3 and Table B:18 in Appendix B:

Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents:

Introduction

Accurate situational awareness is a key factor in conducting an effective emergency response: The situation map is built based on a survey of responders from different teams

integration and evaluation of information obtained from and other sources of information:

This relies on the interaction of information, so the ability to exchange information in a timely and secure manner

Capacity is critical to the effective implementation of emergency management:

This document proposes a structured message that facilitates interaction: The information is flexible with respect to national and organizational regulations: it has

It facilitates the exchange of operational information between different organizations, especially for military-civilian cooperation, transnational cooperation or multi-departmental cooperation using different terminology and different languages:

Participate in emergencies: It enables all relevant organizations to cooperate with the high degree of interoperability described by ISO 22320: emergency management

Shared information can be used as a complement to other information protocols, such as the Common Alert Protocol (CAP):

Public safety emergency management information interaction structure

1 Scope

This document specifies the shared information and its code dictionary for emergency

management in the field of public safety:

This document refers to an information exchange structure that can be used by organizations involved in emergency management for information exchange: in information exchange

During the process, organizations can extract the information received in their own situational map to facilitate the interoperability of different systems:

This document is applicable to engineers responsible for command and control centers, information system designers and decision makers in emergency management:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document:

3 Terms and Definitions

The terms and definitions defined in ISO 22300 and the following apply to this document:

3:1

Knowledge about objects (such as facts, events, things, processes or ideas, including concepts) has specific meanings in certain occasions:

[Source: GB/T 5271:1-2000, 01:01:01]

3:2

data data

A reinterpretable formal representation of information suitable for communication, interpretation or processing:

Note: The data can be processed by manual or automatic means:

[Source: GB/T 5271:1-2000, 01:01:02]

3:3

emergency

Natural disasters and accidents that occur suddenly, cause or may cause serious social harm, and require emergency response measures

Disasters, public health events and social security events:

3:4

information system information system

An information processing system with associated organizational resources (such as human resources, technical resources, and financial resources) that provides and distributes information:

[Source: GB/T 5271:1-2000, 01:01:22]

3:5

process process

A sequence of interrelated or interacting activities that transforms inputs into outputs:

[Source: GB/T 45001-2020, definition 3:2:5]