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

GB/T 41695-2022

**Security and resilience - Emergency management - Guidelines
for implementation of a community-based landslide early
warning system**

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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 22327.2018 "Guidelines for the Implementation of Community Early Warning System for Landslide Hazards in Safety and Resilience Emergency Management".

There are technical differences between this document and ISO 22327.2018.

---Deleted the scope of application of ISO 22327.2018 "applicable to landslide disaster-prone communities or villages with a population of about several thousand village";

--- Modified the definitions of the terms "landslide" (3.2) and "early warning" (3.4).

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

1 Scope

This document provides guidelines for implementing a community early warning system for landslide hazards.

This document applies to communities at risk of landslides. This document does not deal with secondary events of landslide hazards.

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.

ISO 22322 Guidelines for public early warning of public security emergency management (Societalsecurity-Emergencymanagement-

ISO 31000 (all parts) Risk management guidelines (Riskmanagement-Guidelines)

3 Terms and Definitions

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

3.1

debris flow massmovement

The movement of a substance such as soil, rock, mud, snow or a mixture along a slope under the action of gravity.

3.2

landslide

Under the action of gravity, the geological body slides downward and outward along the geological weak surface.

Note. Landslides usually have a dual meaning, referring to the process of gravity sliding, or the geological body and the accumulation formed by gravity sliding.

[Source. GB/T 38509-2020, Definition 3.1]

3.3

Individuals, groups, or infrastructures in a community have characteristics or conditions that make them likely to be damaged by hazards.

3.4

early warning

Before an emergency occurs, according to the laws summarized in the past or the possible precursors observed, the public and relevant departments are issued an emergency response.

Signals, report dangerous situations, so as to avoid the occurrence of hazards without knowledge or preparation, so as to minimize the hazards caused by

loss behavior.

[Source. GB/T 37230-2018, 3.1.1]

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