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

GB/T 6441-1986

Replacing GB/T 6441-1986

**Classification and coding of work safety accidents
(English Translation)**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document replaces GB/T 6441-1986 "Classification of Occupational Injuries and Fatalities in Enterprises". Compared with GB/T 6441-1986, the main differences are structural adjustments.

Aside from editorial changes, the main technical changes are as follows.

- a) The scope of the document has been changed (see Chapter 1, first paragraph of the 1986 edition);
- b) The terms "injury or fatality," "lost working days," "temporary disability injury," "permanent partial disability injury," and "permanent total disability injury" have been removed.
- "Can cause harm" (see Chapter 1, 1986 edition);
- c) The term "precursor cause" has been added (see Chapter 3);
- d) A "classification principle" has been added (see 4.1.1);
- e) Change "vehicle injury" to two basic accident types. "in-plant vehicle injury" and "road (railway) vehicle injury" (see...).
- 4.1.2 (Chapter 2, 1986 edition)
- f) Change "mechanical injury" to "mechanical harm" (see 4.1.2, Chapter 2, 1986 edition);

g) Change "lifting injury" to "lifting-related injury" (see 4.1.2, Chapter 2, 1986 edition);

h) Added "fall", "water damage", "pipeline explosion", "flammable gas explosion", "flammable liquid vapor explosion", "dust explosion", and "civilian explosion".

Basic accident categories. "Explosion of materials", "Explosion of fireworks and firecrackers", "Explosion of other combustible solids", "Explosion of high-temperature molten materials", "Landslide", and "Leakage".

Type (see 4.1.2);

i) The accident types "roof collapse", "water inrush", "blasting", "gunpowder explosion", "gas explosion", "boiler explosion" and "other explosions" have been removed (see [link]).

Chapter 2 (1986 edition)

j) Change "Other damages" to "Other" (see 4.1.2, Chapter 2, 1986 edition);

k) The chapter on "Damage Analysis" has been removed (see Chapter 3 of the 1986 edition);

l) The chapter on "Classification of Injury Levels" has been deleted (see Chapter 4 of the 1986 edition);

m) The chapter on "Classification of Accident Severity" has been deleted (see Chapter 5 of the 1986 edition);

n) Added "Classification by the degree of personal injury caused by the accident" (see 4.2);

o) Added "Classification by Industry in Which Accidents Occurred" (see 4.3);

p) A new chapter on "Accident Type Coding" has been added (see Chapter 5);

q) The calculation methods for damage frequency, damage severity rate, and average damage severity rate have been removed (see sections 6.3, 6.4, and 6.5 of the 1986 edition);

r) A method for calculating the relative statistical indicator of accident mortality rate per unit of GDP has been added (see Chapter 6);

s) Change "serious injury rate per thousand people" to "accident injury rate per thousand people", and change "mortality rate calculated by product output" to "mortality per unit output".

Rate (see Chapter 6, 6.2 and 6.6 of the 1986 edition);

t) The specific classifications of injured location, nature of injury, cause, causative agent, manner of injury, and unsafe conditions and unsafe acts have been removed (see [link]).

Appendix A (1986 edition)

u) The table for calculating lost workdays (see Appendix B of the 1986 edition) has been deleted.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the Ministry of Emergency Management of the People's Republic of China.

This document was first published in 1986, and this is its first revision.

Classification and Coding of Production Safety Accidents

1 Scope

This document specifies the classification and type coding of production safety accidents and describes the calculation method of relative statistical indicators.

This document applies to the classification and statistical analysis of production safety accidents.

Note: In this document, "production safety accident" is abbreviated as "accident".

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 4754 National Economic Industry Classification GB 6442-2025 Technical Specification for Investigation of Production Safety Accidents GB 15499-2025 Determination of Working Days Lost Due to Injuries in Production Safety Accidents

3 Terms and Definitions

The following terms and definitions apply to this document.

First induced reason when two or more causes exist simultaneously in an accident, the cause that appears first or provides the conditions for the other causes to play their role is the cause that causes the accident to occur first.

4.1.1 Classification Principles

The basic accident types are classified according to the following principles.

- a) The direct cause of the accident shall be used as the basis for analysis, which shall be conducted in accordance with section 7.3 of GB 6442-2025;
- b) For single accidents, determine the basic accident type based on the course and characteristics of the accident, referring to the description in Table 1;
- c) When an accident simultaneously possesses characteristics of multiple accident types or occurs in a chain reaction, the causes should be determined sequentially based on the initial inducing cause and the leading cause.

The severity of the damage is used to classify basic accident types.

4.1.2 Basic Accident Types

The names and descriptions of the basic accident types are shown in Table 1.