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

GB/T 18208.4-2011

Replacing GB/T 18208.4-2005

Post-earthquake field works - Part 4: Assessment of direct loss

地震现场工作 第4部分：灾害直接损失评估

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Foreword

GB/T 18208 "seismic field work" is divided into four parts.

--- Part 1. Basic requirements;

--- Part 2. Safety assessment of buildings;

--- Part 3. Rules for investigation;

--- Part 4. Direct disaster damage assessment. This section GB/T Part of 418,208. This section drafted in accordance with GB/T 1.1-2009 given rules. This Part replaces GB/T 18208.4-2005 "earthquake field works - Part 4. Direct disaster damage assessment." This section compared with the GB/T 18208.4-2005, mainly in the following changes.

- a) Amendment of the four terms and definitions. "earthquake disaster direct loss", "earthquake disaster direct economic loss", "replacement cost" and "Earthquake The number of homes lost";
- b) an increase of three terms and definitions. "Urban District Assessment", "Rural Appraisal District" and "high-grade decoration earthquake direct economic loss";
- c) increasing the reported earthquake disaster direct loss statements work requirements, including the industry and gives system, lifeline systems, enterprise And engineering structures, facilities, equipment earthquake disaster direct loss of 18 cultural relics and other reports;
- d) assessment of urban areas, an increase in high-grade decoration earthquake direct economic loss assessment work requirements and technical content, and in the appendix Given the experience of the range of relevant parameters;
- e) Modify the loss of houses destroyed than at "grave breaches" of the upper limit, given interval values; an increase of some broken lifeline engineering Interval bad loss ratio range, and gives interval value;
- f) an increase of two questionnaires casualties and defines a missing person;

14 Appendix reclassified consolidated into five appendices, and revised the Appendix E of earthquake damage assessment reports content;

h) some provisions of the original standard has been revised, and all the original standard survey forms to re-perfect design. This part is proposed by the China Seismological Bureau. This part of the National Standardization Technical Committee earthquake (SAC/TC225) centralized. This section drafted by: Institute of Engineering Mechanics, China Earthquake Administration, Xinjiang Seismological Bureau, Hubei Provincial Seismological Bureau, Yunnan Province Earthquake bureau. The main drafters of this section. Sun Botao, Yuan Yifan, Miao Chong Gang, Song Lijun, Guoen Dong, Qi Lin are, so heart Zhang, Sun Jingjiang, Daijun Wu, Chen Hongfu, Qin Xiaojun, Zhou whole. This section was first released on March 28, 2005, this revision is the first revision.

GB/T 18208.4-2005 Since the promulgation and implementation of government departments, social organizations and the international community in the implementation of earthquake emergency rescue, Humanitarian assistance, post-earthquake reconstruction and mitigation decision-making have played an important role. As in recent years, China's economy faster Speed \u200b\u200bdevelopment, construction, infrastructure and the number of major projects in the city increased year by year, increasing new structure, composed of earthquake damage Has changed a lot, at the same time, people connotation earthquake disaster losses have a deeper understanding. Therefore, it is necessary to be revised. This revision is based on practical experience since GB/T 18208.4-2005 embodiment accumulated in recent years and the earthquake at home and abroad Inspection data, in particular carried out on the basis of the Wenchuan earthquake damage assessment field work practice, the purpose is to further improve and standardize Direct earthquake disaster damage assessment field work. Seismic field work Part 4. Direct disaster damage assessment

1 Scope

GB/T 18208.4-2011 is the Chinese national standard on post-earthquake field works - part 4: assessment of direct loss, in the field of construction materials and building. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 30 December 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 March 2012. Classification: ICS 91.120.25, CCS P15. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

GB/T 18208 provisions of this part of the direct earthquake damage assessment work content, procedures, methods and content of the report. This section applies to the earthquake disaster in the earthquake scene to carry out a direct assessment of losses.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the edition are not applicable to the present file. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 18208.3-2011 earthquake field works - Part 3. Rules for investigation

GB/T 24335-2009 building (structure) building materials Classification of earthquake damage

GB/T 24336-2009 Lifeline Engineering classification of earthquake damage

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Earthquake direct loss earthquake-causeddirectloss Personnel casualties caused by the earthquake, the earthquake disaster relief and direct economic losses of input costs.

3.2 Earthquake direct economic losses of earthquake-causeddirecteconomicloss Earthquake (including ground motion, seismic and geological disasters - earthquake disaster) caused by buildings and other engineering structures, facilities, equipment, goods, etc. Items damaged economic losses.

3.3 Earthquake Relief input costs costforearthquakedisasterrelief Fees earthquake relief inputs, including labor, materials, transportation, communication facilities repair, repair of power facilities, medical drugs, anti-sterilization Plague, bury, debris removal and temporary relocation of staff and other expenses.

3.4 Replacement cost replacementcost Based on the current price of items by local, pre-earthquake reconstruction and the same size and standard of housing and other engineering structures, facilities, equipment, goods, etc. Required fee.

3.5 Earthquake earthquakedisasterarea After the earthquake, people's lives and property damage, economic development area has been destroyed.

3.6 Earthquake disaster area extremearthquakedisasterarea Direct loss suffered the worst earthquake disaster area, excluding no direct impact on social and economic earthquake geological disasters in the region.