

ICS 91.120.25

CCS P15



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

GB 18306-2015

Replacing GB 18306-2001

Seismic ground motion parameter zonation map of China

中国地震动参数区划图

Issued on: May 15, 2015

Implemented on: June 1, 2016

Issued by: China Earthquake Administration

Table of Contents

1	Scope
2	Normative references
3	Terms and Definitions
4	Technical Factors
5	Basic provisions
6.1	Basic Peak ground acceleration
7.1	The basic earthquake acceleration response spectrum characteristic period
15	Street) West Chang'an Street Road 0.20
17	Street) Donghuamen Street 0.20

98 Table C.16 class II site of Urban Basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 108 Table C.17 town in Hubei Province II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 121 Table C.18 Cities and Towns II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 128 Table C.19 Guangdong Province town II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 141 Table C.20 Guangxi town II class venue basic peak ground acceleration value and basic earthquake acceleration response spectra special Levy period value list 150 Table C.21 Hainan town II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 157 Table C.22 Chongqing Urban II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 159 Table C.23 Sichuan town II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 165 Table C.24 Guizhou Province town II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 189 Table C.25 of the Urban II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 198 Table C.26 TAR town II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum week List of Value 206 Table C.27 Shaanxi Province town II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 210 Table C.28 Gansu Province town II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 218 Table C.29 Qinghai town II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum characteristic period value List 226 Table C.30 town Ningxia II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum Period value list 229 Table C.31 Xinjiang town II class venue basic peak ground acceleration value and basic earthquake acceleration response spectra special Levy period value list 231 Table C.32 Hong Kong, Macao, Taiwan cities and towns II class venue basic peak ground acceleration value and basic earthquake acceleration response spectrum Characteristic period value list 238 Table D.1 site classification table 239 Table E.1 peak acceleration of ground motion adjustment factor Fa 240 Table F.1 peak acceleration of ground motion peak acceleration range partitioning 241 Table F.2 earthquake acceleration response spectrum characteristic period partition characteristic period range 241 Table G.1 II class peak acceleration of ground motion and seismic intensity table

Appendix A

Appendix B

Appendix C

Foreword

5.1,5.2,6.1,7.1,

8.2 this standard, Annex A, Annex B, Appendix C are mandatory, the rest are recommended. This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB 18306-2001 "Chinese seismic zonation map." This standard compared with GB 18306-2001, mainly in the following changes.

- a) the full text of the provisions to enforce mandatory;
- b) an increase of introduction;
- c) increasing the normative references as Chapter 2;
- d) an increase of some terms and definitions, terms and definitions increase of 3.1 "earthquake", 3.2 "of ground motion parameters" 3.7 "major construction Project ", 3.8 "general construction ", 3.9" basic ground motion, "3.10" case of multiple ground motion, "3.11" rare earthquake ground motion, "3.12" very Rare earthquake ground motion ";
- e) Original Chapter 4, "use the term" now expanded to Chapter 5, "Basic rule", Chapter 6, "II class ground motion peak acceleration OK" Chapter 7, "II class ground motion acceleration response spectrum characteristic period OK" and Chapter 8, "ground motion parameter adjustment";
- f) revised the contents of Appendices A and B, in some areas of ground motion parameters were properly adjusted;
- g) original Appendix C "China Earthquake response spectrum characteristic period adjustment table" expanded to "peak acceleration of ground motion adjustment factor F_a " And "basic site acceleration response spectrum characteristic period of adjustment," and "ground motion peak acceleration adjustment factor F_a " put The Appendix E, "Site basic earthquake acceleration response spectrum characteristic period adjustment table" into the body of Chapter 8;
- h) the original Appendix D "on the basic seismic intensity seismic vibration parameters transition description" to "peak acceleration of ground motion and ground Earthquake intensity table ", as Appendix G;
- i) an increase of the "national urban basic class II site ground motion peak acceleration and basic earthquake acceleration response spectrum characteristic period", "field To category "and" ground motion parameters Partition range ", respectively, as Appendix C, Appendix D and Appendix F. The standard proposed by China Seismological Bureau. This standard by the National Standardization Technical Committee earthquake (SAC/TC225) centralized. This standard was drafted. China Earthquake Administration Institute of Geophysics, China Earthquake Disaster Prevention Center, China Earthquake Administration, Engineering Mechanics Research The Institute of Geology, China Earthquake Administration, China Earthquake Administration Institute of crustal stress, China Earthquake Administration Institute of Earthquake Prediction. The main drafters of this standard. High-Meng Tan, Chen Guoxing, Xie Furen, XU Xi-wei, Li Xiaojun, Yu Yan Xiang, Li mountain, Zhou Gang, Pan

Hua, Lvyue Jun, Zhao Feng new, Wu Jian, Feng Yijun Tian diligence, Ran Yongkang, Wang Jian, Wenzeng Ping, Ma Baoqi, Lei Jiancheng, Liu Da, Yuandao Yang, Shen Jun, Liu Xu, An Xiaowen, Yang Jialiang, Liuqing Zhong, Chen Shu Jun, Huang Zhao, Jiang Hui. This standard replaces the standards previously issued as follows:

--- GB 18306-2001.

Since the implementation of GB 18306-2001, the general construction of earthquake-proof, all kinds of construction project planning and site selection, socio-economic Land use planning and the development has played an important role in the preparation, and achieved good social and economic benefits. Amendment GB 18306-2001 main reasons.

a) national seismic safety put forward higher requirements, social security for earthquake raised new demands;

1 Scope

GB 18306-2015 is the Chinese national standard on seismic ground motion parameter zonation map of china, in the field of construction materials and building. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 15 May 2015 by the China Earthquake Administration, and has been in force since 1 June 2016. 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.

This standard gives the Chinese ground motion parameter zoning map the technical elements, the basic provisions and ground motion parameters to determine the method. This standard applies to general earthquake-proof construction, as well as socio-economic development planning and land use planning, disaster prevention and mitigation planning, Planning and other related environmental protection and management plan.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2260-2007 People's Republic of China administrative division code

3 Terms and Definitions

The following terms and definitions apply to this document.