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Disaster relief tents - General technical requirements

救灾帐篷 通用技术要求

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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: Please note that some of the contents of this document may involve patents: The issuing organization of this document does not assume the responsibility for identifying patents: This document was proposed and coordinated by the National Technical Committee for Standardization of Emergency Management and Disaster Reduction and Relief (SAC/TC307): This document was drafted by: National Disaster Reduction Center of the Ministry of Emergency Management, China Textile Inspection and Certification Co., Ltd., China Earthquake Emergency Search and Rescue Center, Shenzhen Hawei Innovation Technology Co., Ltd., Shenzhen Institute of Disaster Prevention and Mitigation Technology, Guizhou Provincial Seismological Bureau, Beijing Academy of Science and Technology Institute of Safety and Environmental Sciences, Institute of Production Technology for Emerging Vocational Equipment, Shanghai Ocean University: The main drafters of this document are: Chen Xia, Lai Hongzhou, Wang Chao, Wang Baojun, Liu Jun, Liu Yihua, Shuai Xianghua, Tang Delong, Li Haipeng, Yu Jinming, Hong Zhonghua, Hu Xiaodong, Wang Jia, Ma Hongxuan, Huang Jiantao, Li Shijie, Liang Chao, Fan Bin, Wang Ying, Zhao Tao, Zhou Ruyan, Pan Haiyan: General technical requirements for disaster relief tents

1 Scope

China's national general technical requirements for disaster relief tents. A relief tent is a temporary dwelling deployed in the days after an earthquake, flood or typhoon, in conditions that determine every one of its requirements. It must be erected by untrained people, often at night, in wind, without tools - so the design is judged on how quickly and

how reliably a family can put it up. It must be transportable in quantity, which sets the packed volume and weight. It must survive weeks or months rather than a weekend, in whatever weather the season brings, which is what separates it from a camping product. It must be flame retardant, because heating and cooking will happen inside it whatever the instructions say, and tent fires in relief camps have killed people. And it must be repairable, since a torn relief tent is not replaced.

This document defines the classification of disaster relief tents (hereinafter referred to as "tents"), and stipulates the style, structure, specifications, dimensions, quality, performance, General requirements and inspection rules for marking, packaging, storage and transportation, and describes the inspection methods for disaster relief tents: This document applies to the production, acceptance and use of frame-type disaster relief tents: Other types of tents shall be implemented in accordance with relevant provisions:

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document: For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document:

GB/T 250 Textiles - Grey scale for colour fastness tests GB/T 2912:

1 Determination of formaldehyde in textiles - Part 1: Free and hydrolyzed formaldehyde (water extraction method) GB/T 3917:

3 Tear properties of textile fabrics Part 3: Determination of tear strength of trapezoidal test specimens GB/T 3923:

1 Tensile properties of textile fabrics - Part 1: Determination of breaking strength and elongation at break (strip method)

GB/T 4669 Textiles - Determination of mass per unit length and mass per unit area of woven fabrics

GB/T 4744 Testing and evaluation of the waterproof performance of textiles - Hydrostatic pressure method

GB/T 5455 Combustion performance of textiles - Determination of vertical damage length, smoldering and afterflaming time

GB/T 7573 Determination of pH value of aqueous extract of textiles

GB/T 8427-2019 Textiles - Tests for colour fastness - Colour fastness to artificial light: Xenon arc fading GB 12982 National flag GB/T 13773:

1 Seam tensile properties of textile fabrics and their products - Part 1: Determination of seam strength by the strip method GB/T 16422:

3 Terms and definitions

The following terms and definitions apply to this document: 3:

1 Single tent unlined tent A tent with a single layer of tarpaulin:

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