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**Technical requirements and test methods for Tiantong satellite
mobile terminal and application equipment for police use**

警用天通卫星移动终端及应用设备技术要求和测试方法

(English Translation)

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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 contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents:

This document was proposed by the First Research Institute of the Ministry of Public Security:

This document is under the jurisdiction of the Communication Standardization Technical Committee of the Ministry of Public Security:

1 Scope

This document specifies the terms and definitions, abbreviations, classifications, components, functions and performance requirements of police Tiantong satellite mobile terminals and application equipment Seek and test methods:

This document applies to police Tiantong satellite mobile terminals and related application equipment:

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:

GB/T 2423.1-2008 Environmental testing for electrical and electronic products - Part 2: Test methods Test A: Low temperature GB/T 2423.2-2008 Environmental testing for electrical and electronic products - Part 2: Test methods Test B: High temperature GB/T 2423.3-2006 Environmental Testing Part 2: Test Method Test Cab: Constant Damp Heat Test GB/T 2423.5-2019 Environmental Testing Part 2: Test Methods Test Ea and Guidelines: Shock GB/T 2423.7-2018 Environmental testing Part 2: Test method Test Ec: Shock caused by rough handling (mainly used for equipment type sample) GB/T 2423.10-2019 Environmental testing Part 2: Test method Test Fc: Vibration (sinusoidal) GB/T 2423.17-2008 Environmental testing for electrical and electronic products - Part 2: Test method Test Ka: Salt spray GB/T 2423.22-2012 Environmental testing Part 2: Test method

N: Temperature change GB/T 4208-2017 Enclosure protection level (IP code) GB/T 9254.1-2021 Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers Part 1: Emission requirements GB/T 17626.2-2018 Electromagnetic Compatibility Test and Measurement Technology Electrostatic Discharge Immunity Test GB/T 17626.3-2016 Electromagnetic Compatibility Test and Measurement Technology Radio Frequency Electromagnetic Field Radiation Immunity Test GB/T 17626.5-2019 Electromagnetic Compatibility Test and Measurement Technology Surge (Shock) Immunity Test GB/T 17626.6-2017 Electromagnetic compatibility test and measurement technology Conducted disturbance immunity test induced by radio frequency field GA/T 1056-2013 Overall Technical Specifications for Police Digital Trunking (PDT) Communication System GA/T 1366-2017 Police digital trunking (PDT) communication system mobile station technical specification GA/T 1367-2017 Police digital trunking (PDT) communication system function test method

3 Terms and Definitions

The following terms and definitions apply to this document:

The domestic satellite mobile communication system composed of various Tiantong satellite mobile terminals, Tiantong communication satellites, Tiantong gateway stations and operation and maintenance systems system, providing basic public communication services such as voice, SMS, and data: