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**GB/Z 41383-2022**

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**Technical requirements of M2M service communication  
protocol**

M2M应用通信协议技术要求

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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 of Standardization Documents" drafted. This document is one of the M2M business series documents. The names and structures of this series of documents are as follows:

---GB /Z 41385 General technical requirements for M2M business;

---GB /Z 41383 M2M application communication protocol technical requirements;

---GB /Z 41384 M2M business platform technical requirements;

---GB/T 37294 M2M terminal equipment business capability technical requirements. Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents. This document is proposed by the Ministry of Industry and Information Technology of the People's Republic of China. This document is under the jurisdiction of the National Communication Standardization Technical Committee (SAC/TC485). This document is drafted by: China Mobile Communications Group Co., Ltd., China Academy of Information and Communications Technology, China Telecom Group Co., Ltd., Huawei Technology Co., Ltd., China United Network Communications Group Co., Ltd., Beijing Inhandong Network Technology Co., Ltd. The main drafters of this document. Liu Wei, Wang Hongmei, Liu Yue, Xiao Qing, Niu Yawen, Wang Chongping, Wei Chenguang, Zhao Lijun, Wu Wei, Wang Yi, Zhu Jinwen, Wang Xiangjun, Zhang Yongjing, Bian Yonggang, Han Ling, Sun Li, Han Chuanjun. M2M application communication protocol technical requirements

### 1 Scope

GB/Z 41383-2022 is the Chinese national standard on technical requirements of m2m service communication protocol, in the field of telecommunications and audio-video

engineering. The /Z suffix marks it as a guiding technical document: it does not prescribe requirements that can be certified against, but sets out the technique, the method or the state of the art that the standards bodies recommend following. It was issued on 15 April 2022 by the State Administration for Market Regulation; Standardization Administration of China. As a guiding technical document it carries no separate date of entry into force: it applies from publication. Classification: ICS 33.050, CCS M30. 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 document specifies the end-to-end communication protocol in the M2M service system, including M2M terminal equipment and service platform and service level The communication protocol between the station and the application. This document applies to M2M business systems.

## 2 Normative references

There are no normative references in this document.

## 3 Terms, Definitions and Abbreviations

3.1 Terms and Definitions The following terms and definitions apply to this document.

3.1.1 M2M machinetomachine Machine-to-machine or human-to-human communication.

### 3.1.2 M2M business platformM2Mserviceplatform

3.1.3 M2MapplicationM2Mapplication Provides applications for M2M services.

3.2 Abbreviations The following abbreviations apply to this document. M2M  
MachinetoMachine/Man

## 4 Protocol Overview

4.1 General overview The M2M application communication protocol is to realize the M2M service platform between the M2M terminal equipment and the M2M service platform, and the M2M service platform. An application layer protocol designed for the data communication process between M2M applications.