

ICS 33.050.01
CCS M 37

YD

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

YD/T 2307-2011

**Technical requirement and testing methods for general function
of mobile telecommunication terminal**

数字移动通信终端通用功能技术要求和测试方法 含2018年第1号修改单

(English Translation)

Issued on: December 10, 2011

Implemented on: December 10, 2011

**Issued by: Ministry of Industry and Information Technology of People's
Republic of China**

Table of Contents

Foreword...	3
1 Scope...	4
2 Normative references...	4
3 Terms, definitions and abbreviations...	4
3.1 Terms and definitions...	4
3.2 Abbreviations...	5
4 Overview...	5
5 Mobile terminal common function technical requirements...	6
5.1 Functional technical requirements for single standby...	6
5.2 Basic function technical requirements in multi-standby...	16
6 Mobile terminal common function test method...	24
6.1 Function test method in single-standby...	24
6.2 Multi-standby function test method...	50

1 Scope

This standard specifies the general functional technical requirements of the digital mobile communication terminal (hereinafter referred to as the mobile terminal) in the single-module single standby, multi-module single standby, single-module multi-standby state, etc., AND specifies the corresponding test methods.

This standard applies to the digital communication terminal equipment of the

GSM (GPRS), WCDMA, TD-SCDMA, cdma2000, cdma2000 HRPD and other systems and their combinations. AND the wireless terminals of other systems may also make reference to it.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this Standard.

GB 2312 Code of Chinese graphic character set for information interchange;

Primary set

Regulations of the People 's Republic of China on Telecommunications

3 Terms, definitions and abbreviations

The following terms and definitions apply to this document.

3.1 Terms and definitions

3.1.1

Subscriber identity module

The collective name of SIM, USIM, and R-UIM.

3.1.2

Multi-mode

It supports the multiple modes in such systems as GSM (GPRS), WCDMA, TD-SCDMA, cdma2000, and cdma2000 HRPD.

3.1.3

Multi-standby

It supports the simultaneous standby of multiple same or different wireless access technologies.

3.1.4

Multi-path

It supports the simultaneous communication of multiple same or different wireless access technologies.

3.2 Abbreviations

The following abbreviations apply to this document.

DTMF. Dual tone multifrequency

ME. Mobile equipment

MT. Mobile terminated

MO. Mobile originated

MMS. Multimedia message service

PIN. Personal identification number

PDA. Personal digital assistant

SIM. Subscriber identity module

SMS. Short message service

USIM. Universal subscriber identity module

UIM. User identity module (also known as R-UIM)

4 Overview

In accordance with the number of simultaneous standby network of the mobile terminal AND the number of supported card slot, it may divide the mobile terminal into single-module single standby mobile terminal, single-module multi-standby mobile terminal, multi-module single standby mobile terminal, and multi-module multi-standby mobile terminal.

5.1.1.2.4 Call time prompt indication

During the call, the mobile terminal under test shall be able to display the real-time call duration; after the call is over, the mobile terminal under test shall be able to display the total duration of the call.

5.1.1.2.5 Call progress signal indication

The mobile terminal shall give an indication, such as a tone, a voice prompt, or a visual symbol or graphic display, based on the signaling information returned by the network.

5.1.1.2.6 Signal strength indication

The mobile terminal shall be able to schematically display the received signal strength.

5.1.1.2.7 Message indication and confirmation

The mobile terminal shall make prompt when receiving the SMS or MMS; if such SMS or MMS has not yet been read by the user, it shall also have the unread mark. After the mobile terminal issues SMS or MMS, if the message has been received by the recipient based on the information fed back from the network, AND if the mobile terminal has activated the reception report, the report shall be confirmed on the man-machine interface.

5.1.1.2.8 Short message overflow indication

If the message cannot continue to receive short messages because the subscriber identity module or the short message memory capacity of the mobile phone is insufficient, it shall display the short message overflow information or issue the short message overflow indication tone on the man-machine interface of the mobile terminal. If the user deletes one or more short messages based on the storage location of the short message, this indication disappears. After this indication disappears, it shall at least ensure the reception of the next short message.

5.1.1.2.9 Battery capacity indication and alarm

The mobile terminal shall have a battery capacity indication, AND shall have an alarm indication when the capacity is insufficient. The battery capacity indication shall be changed with the change of the battery capacity.

5.1.1.2.10 Charge status indication

In the process of charging the mobile terminal, the screen shall clearly indicate the message that the battery is being charged, AND the status of the battery being charged in the form of progressive graphics. This indicated information shall be the same as the instructions of the manual.

5.1.1.2.11 Date/time indication

If the photographing function is supported, the mobile terminal shall be able to support the voice prompt when taking photos;

If the camera function is supported, the mobile terminal shall have obvious sound or other prompts when taking photos.

5.1.1.4 Personal information category functions

5.1.1.4.1

Short message

The short message in the mobile terminal or subscriber identity module shall be able to be deleted, replied, forwarded, and so on.

5.1.1.4.2

Call log

The call log shall indicate the type of call type of each call log (dialed, answered, missed), calling number or the identification information corresponding to calling number (answered, missed), AND the called number or the identification information corresponding to called number (dialed).

The call log in the mobile terminal shall be able to perform a single item deletion or all item deletion.

5.1.1.4.3

Phonebook

The mobile terminal shall have the phonebook function, which supports the creation, inquiry, editing, deletion, and reading of the telephone directory records in the subscriber identity module and the mobile phonebook.