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

YD/T 2576.1-2013

**Test method for user equipment of TD-LTE digital cellular
mobile telecommunication network (Phase 1) - Part 1: Basic
operation, services and reliability test**

TD-LTE数字蜂窝移动通信网 终端设备测试方法 第一阶段 第1部分：基本功能业务和可靠性测试

(English Translation)

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Foreword

This part is one of the standard series of user equipment of TD-LTE digital cellular mobile telecommunication network (phase 1), AND the name and structure of this standard series are as follows.

- a) YD/T 2575.1-2013 "Technical requirements for user equipment of TD-LTE digital cellular mobile telecommunication network (phase 1)";
- b) YD/T 2575.6-2013 "Test method for user equipment of TD-LTE digital cellular mobile telecommunication network (phase 1)";
- Part 1. Basic operation, services and reliability test;
- Part 2. Radio transmission and reception performance test;
- Part 3. Radio resource management performance test;
- Part 4. Protocol conformance test;
- Part 5. Network compatibility test.

YD/T 2576-2013 "Test method for user equipment of TD-LTE digital cellular mobile telecommunication network (phase 1)" is divided into 5 parts.

- Part 1. Basic operation, services and reliability test;
- Part 2. Radio transmission and reception performance test;
- Part 3. Radio resource management performance test;
- Part 4. Protocol conformance test;
- Part 5. Network compatibility test.

This part is part 1 of the YD/T 2576-2013 "Test method for user equipment of TD-LTE digital cellular mobile telecommunication network (phase 1)".

With the development of technology, it will also develop follow-up standards.

This part was drafted in accordance with the rules given in GB/T 1.1-2009.

This part was proposed by AND shall be under the jurisdiction of the China

Communications Standardization Association.

Test method for user equipment of TD-LTE digital
cellular mobile telecommunication network (Phase 1) -
Part 1. Basic operation, services and reliability test

1 Scope

This part specifies the functional requirements, power requirements, reliability requirements, electromagnetic compatibility requirements, specific absorptivity requirements, and battery and charger requirements for the data service of the TD-LTE digital cellular mobile telecommunication network user equipment (UE).

This part applies to all TD-LTE digital cellular mobile telecommunication network user equipment (phase 1).

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 2312-1980 Code of Chinese graphic character set for information interchange; Primary set

GB/T 18287 General specification of lithium-ion battery for cellular phone

GB/T 18288 General specification of nickel-metal battery for cellular phone

GB/T 18289 General specification of nickel-cadmium battery for cellular phone

YD 1268.1 Safety requirements and test methods for lithium battery for mobile communication handset

YD 1268.2 Safety requirements and test methods for lithium battery charger for mobile communication handset

EARFCN. E-UTRA absolute radio frequency channel number

EPRE. Energy per resource element

HARQ. Hybrid automatic repeat request

IMEI. International mobile equipment identity

OCNG. OFDMA channel noise generator

OFDMA. Orthogonal frequency division multiplex access

PBCDMA. Physical broadcast channel

PCFICH. Physical control format indicator channel

PDCCH. Physical downlink control channel

PDSCH. Physical downlink shared channel

PHICH. Physical hybrid-ARQ indicator channel

PLMN. Public land mobile network

PRB. Physical resource block

P-RNTI. Paging radio network temporary identifier

PSS. Primary synchronization signal

QPSK. Quadrature phase-shift keying

RAT. Radio access technology

RB. Resource block

RE. Resource element

ROHC. Robust header compression

RS. Reference symbol

RSRP. Reference signal receiving power

SRS. Sounding reference signal

SSS. Secondary synchronization signal

TAU. Tracking area update

a) INSERT the USIM card into the UE and TURN it on;

b) TURN on the UE; CHECK whether the screen correctly displays the operator ID corresponding to the PLMN number of the currently registered network.