

ICS 33.030
CCS M 30



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

GB/T 44884-2024

**Technical requirements for secure user plane location
service-Platform**

基于用户面的定位业务技术要求 平台

Issued on: November 28, 2024

Implemented on: March 1, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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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 is required.

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 by the Ministry of Industry and Information Technology of the People's Republic of China.

This document is under the jurisdiction of the National Communications Standardization Technical Committee (SAC/TC 485).

This document was drafted by: China Academy of Information and Communications Technology, China Unicom Group Co., Ltd., ZTE Corporation Co., Ltd., Qualcomm Wireless Communications Technologies (China) Co., Ltd., and China Information and Communications Technology Group Co., Ltd.

The main drafters of this document are: Liu Shuo, Li Xiayu, Xin Wei, Liu Haijiao, Wan Yi, Ge Zhiyong, Zhang He, Qiu Jianshu, Dong Hao, Du Zhimin, Quan Haiyang, Li Jianxiang, Wan Jun, Yang Yiming, Zhang Hong, Liu Xu, Xu Bingyu, Ma Yujuan, Li Sidong.

Technical requirements platform for positioning services based on user plane

1 Scope

This document specifies the technical requirements of the user-plane-based positioning service platform, including the platform's system architecture, functional requirements, and service flow.

procedures, security policies, and related protocol interface requirements.

This document is applicable to the design, development and testing of positioning service platforms based on mobile communication networks.

2 Normative references

This document has no normative references.

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 emergency IMS core

IMS core network supporting emergency IMS calls.

3.2 non-proxy mode

A mode in which the SPC system and SET can communicate directly.

3.3 proxy mode

The SPC system and SET are not in direct communication mode.

NOTE. In this case, the SLC system performs a proxy role between the SET and the SPC.

3.4 SET initiated

Service initiated by SET.

NOTE. For these services, the SUPL Agent is located on the SET.

3.5 network initiated

In contrast to SET originated, network originated is a service initiated from within the SUPL network.

NOTE. For these services, the SUPL Agent is located within the network.

3.6 User plane positioning service platform SUPL Location Platform; SLP

A platform consisting of SPC and SLC.

4 Abbreviations

The following abbreviations apply to this document.

AFLT. Advanced Forward Link Trilateration ASN.1. Abstract Syntax Notation One