

# ETSI TS 132 176 V12.0.0 (2014-10)



**Universal Mobile Telecommunications System (UMTS);  
LTE;  
Telecommunication management;  
Subscription Management (SuM)  
Network Resource Model (NRM)  
Integration Reference Point (IRP);  
Solution Set (SS) definitions  
(3GPP TS 32.176 version 12.0.0 Release 12)**



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**Reference**RTS/TSGS-0532176vc00

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**Keywords**LTE,UMTS

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**ETSI**

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## Foreword

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  - 1 presented to TSG for information;
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- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
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## Introduction

The present document is part of a TS-family covering the 3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Services and System Aspects; Telecommunication management; as identified below:

- TS 32.140: "Subscription Management (SuM) requirements".
- TS 32.141: "Subscription Management (SuM) architecture".
- TS 32.171: "Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements".
- TS 32.172: "Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)".
- TS 32.176: "Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Solution Set (SS) definitions".**

Subscription Management (SuM) is a feature that permits Service Providers, Value Added Service Providers and Mobile Operators to provision services for a specific subscriber. The feature is necessary to allow Service Providers and Operators to provision, control, monitor, and bill the configuration of services that they offer to their subscribers. SuM focuses on the OAM processes to manage subscription information. The overall SuM requirements and architecture are detailed in 3GPP TS 32.140 [2] and 3GPP TS 32.141 [3].

The Itf-N interface for Subscription Management is built up by a number of Integration Reference Points (IRPs) and a related Name Convention, which realise the functional capabilities over this interface. The basic structure of the IRPs is defined in 3GPP TS 32.150 [1]. For SuM, a number of IRPs (and the Name Convention) are defined herein, used by this as well as other technical specifications for telecom management produced by 3GPP.

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# 1 Scope

The present document is part of an Integration Reference Point (IRP) named Subscription Management (SuM) Network Resource Model (NRM) IRP, through which an IRPAgent can communicate configuration management information to one or several IRPManagers concerning SuM resources. The SuM NRM IRP comprises a set of specifications defining Requirements, a protocol neutral Information Service and one or more Solution Set(s).

The present document specifies the Solution Sets for the SuM NRM IRP.

This specification is related to 3GPP TS 32.172 [5] V10.2.X.

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# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TS 32.150: "Telecommunication management; Integration Reference Point (IRP) Concept and definitions".
- [2] 3GPP TS 32.140: "Telecommunication management; Subscription Management (SuM) requirements".
- [3] 3GPP TS 32.141: "Telecommunication management; Subscription Management (SuM) architecture".
- [4] 3GPP TS 32.171: "Telecommunication management; Subscription Management (SuM) resources Integration Reference Point (IRP); Requirements".
- [5] 3GPP TS 32.172: "Telecommunication management; Subscription Management Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)".
- [6] 3GPP TS 32.101: "Telecommunication management; Principles and high level requirements".
- [7] 3GPP TS 32.102: "Telecommunication management; Architecture".
- [8] 3GPP TS 32.616: "Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Solution Set (SS) definitions".
- [9] 3GPP TS 32.300: "Telecommunication management; Configuration Management (CM); Name convention for Managed Objects"

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# 3 Definitions and abbreviations

## 3.1 Definitions

For the purposes of the present document, the terms and definitions in 3GPP TS 32.101 [6], TS 32.102 [7], TS 32.140 [2], TS 32.141 [3], TS 32.171 [4] and TS 32.172 [5] apply.