



**Digital cellular telecommunications system (Phase 2+);  
Universal Mobile Telecommunications System (UMTS);  
LTE;  
Telecommunication management;  
Subscription Management (SuM)  
Network Resource Model (NRM)  
Integration Reference Point (IRP);  
Requirements  
(3GPP TS 32.171 version 11.0.0 Release 11)**



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## Foreword

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## Foreword

This Technical Specification has been produced by the 3<sup>rd</sup> Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
  - 1 presented to TSG for information;
  - 2 presented to TSG for approval;
  - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

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## Introduction

Subscription Management is a feature that permits Service Providers, Value Added Service Providers and Mobile Operators to provision services for a specific subscriber. Subscription Management is an area of Service Operation Management that sets a complex challenge for Service Providers and Operators in their support of new or existing subscribers during their every day network operation.

The present document is part 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".

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## 1 Scope

The present document defines, in addition to the requirements defined in [1], [2], [3] and [4], requirements for the present SuM NRM IRP.

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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 32.101: "Telecommunication management; Principles and high level requirements".
- [2] 3GPP TS 32.102: "Telecommunication management; Architecture".
- [3] 3GPP TS 32.140: "Telecommunication management; Subscription Management (SuM) requirements".
- [5] 3GPP TS 32.141: "Telecommunication management; Subscription Management (SuM) architecture".

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## 3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

IRP	Integration Reference Point
NRM	Network Resources Model
SuM	Subscription Management

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## 4 Requirements

The following general and high-level requirements apply for the present IRP:

- a) IRP-related requirements in 3GPP TS 32.101 [1].
- b) IRP-related requirements in 3GPP TS 32.102 [2].
- c) IRP-related requirements in 3GPP TS 32.140 [3].
- d) IRP-related requirements in 3GPP TS 32.141 [4].

## Annex A (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Dec 2003	SA_22	SP-030616	--	--	Submitted to TSG SA#22 for Information	1.0.0	
Jun 2004	SA_24	SP-040238	--	--	Submitted to TSG SA#24 for Approval	2.0.0	6.0.0
Dec 2004	SA_26	SP-040764	001	--	Editorial modifications to 'Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements'	6.0.0	6.1.0
Jun 2007	SA_36	--	--	--	Automatic upgrade to Rel-7 (no CR) at freeze of Rel-7.	6.1.0	7.0.0
Dec 2008	SA_42	--	--	--	Upgrade to Release 8	7.0.0	8.0.0
Dec 2009	-	-	-	-	Update to Rel-9 version (MCC)	8.0.0	9.0.0
Mar 2011	-	-	-	-	Update to Rel-10 version (MCC)	9.0.0	10.0.0
2012-09	-	-	-	-	Update to Rel-11 version (MCC)	10.0.0	<b>11.0.0</b>

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# History

<b>Document history</b>		
V11.0.0	October 2012	Publication