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**Source:** SA5 (Telecom Management)  
**Title:** New Rel-6 TS 32.171 v.100 (Subscription Management Network Resource Model (NRM) Integration Reference Point (IRP): Requirements) - for Information  
**Document for:** Information  
**Agenda Item:** 7.5.3

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**3GPP TSG-SA5 (Telecom Management)**  
**Meeting #36, Shanghai, China, 17-21 September 2003**

**S5-032743**

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### Presentation of Technical Specification to TSG SA

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**Presentation to:** TSG SA Meeting #22  
**Document for presentation:** TS 32.171, Version 1.0.0  
Subscription Management Network Resource Model (NRM) Integration Reference Point (IRP): Requirements  
**Presented for:** Information

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**Abstract of document:**

The present document is a member of a TS-family consisting of:

3GPP TS 32.140: "Telecommunication management; Services operations management; Subscription Management Requirements".

3GPP TS 32.141: "Telecommunication management; Services operations management; Subscription Management Architecture".

**3GPP TS 32.171: "Subscription Management Network Resource Model (NRM) Integration Reference Point (IRP): Requirements".**

3GPP TS 32.172: "Telecommunication management; Subscription Management Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)".

3GPP TS 32.17x: "SM IRP xxx Solution Set".

- Work done against the WID contained in SP-020448 (Work Item ID: SM).

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**Purpose of These Specifications:**

This TS defines the requirements on the Subscription Management Resources IRP.

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**Changes since last presentation to TSG-SA:**

New.

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**Outstanding Issues:**

List Network Elements and their respective need for subscriber data and subscription management.

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**Contentious Issues:**

None.

# 3GPP TS 32.171 V1.0.0 (2003-12)

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*Technical Specification*

**3rd Generation Partnership Project;  
Technical Specification Group Services and System Aspects;  
Telecommunication management;  
Subscription Management Network Resource Model (NRM)  
Integration Reference Point (IRP): Requirements  
(Release 6)**

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The present document has been developed within the 3<sup>rd</sup> Generation Partnership Project (3GPP<sup>TM</sup>) and may be further elaborated for the purposes of 3GPP.

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Keywords

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subscription management

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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 a member of a TS-family consisting of:

- 3GPP TS 32.140: "Telecommunication management; Services operations management; Subscription Management Requirements".
- 3GPP TS 32.141: "Telecommunication management; Services operations management; Subscription Management Architecture".
- 3GPP TS 32.171: "Subscription Management Network Resource Model (NRM) Integration Reference Point (IRP): Requirements".**
- 3GPP TS 32.172: "Telecommunication management; Subscription Management Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)".

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# 1 Scope

The present document defines, in addition to the requirements defined in [1], [2] [4] and [5], the requirements for the present IRP: Subscription Management Network Resources Integration Reference Point (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 TR 21.905: "Vocabulary for 3GPP Specifications".
- [4] 3GPP TS 32.140: "Telecommunication management; Service Operations Management; Subscription Management Requirements".
- [5] 3GPP TS 32.141: "Telecommunication management; Service Operations Management; Subscription Management Architecture."
- [7] 3GPP TS 32.172: "Telecommunication management; Service Operations Management; Subscription Management Resources Integration Reference Point (IRP); Network Resources Model (NRM)".

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# 3 Definitions and abbreviations

## 3.1 Definitions

For the purposes of the present document, the following terms and definitions apply.

## 3.2 Symbols

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

Symbol format

<symbol> <Explanation>

## 3.2 Abbreviations

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

IOC	Information Object Class
IRP	Integration Reference Point

NRM	Network Resources Model
SM	Subscription Management
SOM	Service Operations 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 [4].
- d) IRP-related requirements in 3GPP TS 32.141 [5].

In addition to the above, the following more specific requirements apply:

**Editor note:** List network elements and their respective need for subscriber data and subscription management.

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## Annex A (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Dec 2003	S_22	SP-030616	--	--	Submitted to TSG SA#22 for Information	1.0.0	