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Telecommunication management;
IP Multimedia Subsystem (IMS)
Network Resource Model (NRM)
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Requirements
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### Contents

Intell	lectual Property Rights	2
Forev	word	2
Moda	al verbs terminology	2
Forev	word	4
Intro	duction	4
1		
2	References	
3		
3.1	Definitions and abbreviations  Definitions Abbreviations	5
3.2		
4	Requirements	6
Anno	ex A (informative): Change history	7
Histo		8

#### **Foreword**

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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.

#### 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:

- 28.704: IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements.
- 28.705: IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS).
- 28.706: IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions.

#### 1 Scope

The present document defines, in addition to the requirements defined in [1], [2] and [3], the requirements for the present IRP: IMS Network Resource Model (NRM) IRP.

#### 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". 3GPP TS 32.600: "Telecommunication management; Configuration Management (CM); Concept [3] and high-level requirements". [4] 3GPP TS 32.150: "Telecommunication management; Integration Reference Point (IRP) Concept and definitions". 3GPP TS 32.107: "Telecommunication management; Fixed Mobile Convergence (FMC) [5] Federated Network Information Model (FNIM)". 3GPP TS 28.620: "Telecommunication management; Fixed Mobile Convergence (FMC) [6] Federated Network Information Model (FNIM) Umbrella Information Model (UIM)".
- [7] 3GPP TS 28.622: "Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service".

#### 3 Definitions and abbreviations

#### 3.1 Definitions

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

**IRP:** See 3GPP TS 32.150 [4].

**Information Object Class (IOC):** See definition in TS 28.622 [7].

Network Resource Model (NRM): See definition in TS 28.622 [7].

#### 3.2 Abbreviations

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

CM	Configuration Management
IMS	IP Multimedia Subsystem
IOC	Information Object Class
IRP	Integration Reference Point
NRM	Network Resource Model

#### 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 32.600 [3].

The NRM defined by this IRP:

- d) Shall support communications for telecommunication network management purposes, including management of converged networks.
- e) Is a member of the Federated Network Information Model (FNIM) [5] and its information is derived from FNIM Umbrella Information Model (UIM) [6].

In addition to the above, the following more specific requirement applies:

The Network Resource Model defined by this IRP shall contain IMS specific IOCs and related definitions, supporting IMS entities in the current 3GPP Release.

# Annex A (informative): Change history

Change history								
Date	TSG #	TSG Doc.	CR	R	Subject/Comment	Cat	Old	New
2014-06	SA#64	SP- 140360	001	-	remove the feature support statements	F	11.0.0	11.1.0
2014-10	-	-	-	-	Update to Rel-12 version (MCC)		11.1.0	12.0.0
2016-01	-	-	-	-	Update to Rel-13 version (MCC)		12.0.0	13.0.0
2017-03	SA#75	-	-	-	Promotion to Release 14 without technical change		13.0.0	14.0.0

Change history							
Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New version
2040.00							
2018-06						Update to Rel-15 version (MCC)	15.0.0

## History

Document history						
V15.0.0	July 2018	Publication				