

# ETSI TS 132 155 V10.0.0 (2011-04)

---

*Technical Specification*

**Digital cellular telecommunications system (Phase 2+);  
Universal Mobile Telecommunications System (UMTS);  
LTE;  
Telecommunication management;  
Requirements template  
(3GPP TS 32.155 version 10.0.0 Release 10)**

---



---

**Reference**

RTS/TSGS-0532155va00

---

**Keywords**

GSM, LTE, UMTS

**ETSI**

---

650 Route des Lucioles  
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C  
Association à but non lucratif enregistrée à la  
Sous-Préfecture de Grasse (06) N° 7803/88

---

**Important notice**

Individual copies of the present document can be downloaded from:

<http://www.etsi.org>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at

<http://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, please send your comment to one of the following services:

[http://portal.etsi.org/chaicor/ETSI\\_support.asp](http://portal.etsi.org/chaicor/ETSI_support.asp)

---

**Copyright Notification**

No part may be reproduced except as authorized by written permission.  
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2011.  
All rights reserved.

**DECT**<sup>TM</sup>, **PLUGTESTS**<sup>TM</sup>, **UMTS**<sup>TM</sup>, **TIPHON**<sup>TM</sup>, the TIPHON logo and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.

**3GPP**<sup>TM</sup> is a Trade Mark of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

**LTE**<sup>TM</sup> is a Trade Mark of ETSI currently being registered

for the benefit of its Members and of the 3GPP Organizational Partners.

**GSM**<sup>®</sup> and the GSM logo are Trade Marks registered and owned by the GSM Association.

---

## Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: *"Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards"*, which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://webapp.etsi.org/IPR/home.asp>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

---

## Foreword

This Technical Specification (TS) has been produced by ETSI 3rd Generation Partnership Project (3GPP).

The present document may refer to technical specifications or reports using their 3GPP identities, UMTS identities or GSM identities. These should be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under <http://webapp.etsi.org/key/queryform.asp>.

---

# Contents

Intellectual Property Rights .....	2
Foreword.....	2
Foreword.....	4
Introduction .....	4
1 Scope .....	5
2 References .....	5
3 Definitions, abbreviations .....	5
3.1 Definitions .....	5
3.2 Abbreviations .....	5
4 Requirements template .....	6
4.1 Template for high-level Requirements TSs.....	6
X Concepts and background .....	6
Y Business level requirements .....	6
Z Specification level requirements .....	6
4.2 Template for Integration Reference Point (IRP) specific Requirements TSs.....	6
X Concepts and background .....	6
Y Requirements.....	7
<b>Annex A (informative): Change history .....</b>	<b>8</b>
History .....	9

---

# 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.

---

# 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 32.150:	Integration Reference Point (IRP) Concept and definitions
TS 32.151:	Integration Reference Point (IRP) Information Service (IS) template
TS 32.152:	Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire
TS 32.153	Integration Reference Point (IRP) technology specific templates
TS 32.154	Backward and Forward Compatibility (BFC); Concept and definitions
<b>TS 32.155</b>	<b>Requirements template</b>

---

# 1 Scope

The present document contains the template to be used for the production of all Requirements TSs for the 3GPP Telecommunication management.

This template is mainly based on the requirements template (mainly Annex A) in the ITU-T M.3020 recommendation [6].

---

# 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 TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 32.101: "Telecommunication management; Principles and high level requirements".
- [3] 3GPP TS 32.102: "Telecommunication management; Architecture".
- [4] 3GPP TS 32.150: "Telecommunication management; Integration Reference Point (IRP) Concept and definitions".
- [5] 3GPP TS 32.151: "Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template".
- [6] ITU-T Recommendation M.3020 (07/2007): Management interface specification methodology.
- [7] 3GPP TS 32.761: "E-UTRAN Network Resource Model (NRM) IRP; Requirements".
- [8] ITU-T Recommendation [M.3020 \(2009\) Amendment 1](#): Management interface specification methodology - Simplified requirements template.

---

# 3 Definitions, abbreviations

## 3.1 Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [1], TS 32.101 [2], TS 32.102 [3], TS 32.150 [4], TS 32.151[5] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [1].

## 3.2 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [1], TS 32.101 [2], TS 32.102 [3], TS 32.150 [4] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TR 21.905 [1].

IRP	Integration Reference Point
IS	Information Service

---

## 4 Requirements template

This template is mainly based on the requirements template (mainly Annex A) in the ITU-T M.3020 recommendation [6], and shall be used for the production of all Requirements TSs for the 3GPP Telecommunication management. The template contains two options: Option 1 specified in subclause 4.1, which shall be used for all high-level Requirements TSs for the 3GPP Telecommunication management, and option 2 specified in subclause 4.2, which shall be used for all Integration Reference Point (IRP) specific Requirements TSs such as 3GPP TS 32.761 [7].

The clauses in this template that shall be used in the Requirements TS are numbered starting with "X", which shall correspond to clause 4 that is the beginning of the main part of the TS, followed by 'Y' which shall correspond to clause 5 in the TS, and 'Z' (for the full template) which shall correspond to clause 6 in the TS.

Instructions in *italics* below shall not be included in the Requirements TS.

The introductory clauses (from clause 1 to clause 3) for the Requirements TS should be taken from the 3GPP TS template (i.e. not this requirements template) – see [http://www.3gpp.org/ftp/Information/TS\\_TR\\_Templates/](http://www.3gpp.org/ftp/Information/TS_TR_Templates/).

Usage of fonts shall be according to the 3GPP TS template.

### 4.1 Template for high-level Requirements TSs

---

#### X Concepts and background

*"X" represents clause number 4 in the actual Requirements TS.*

*For production of the contents of this clause, follow the instructions in M.3020 [6] subclause 'A.2.1'.*

---

#### Y Business level requirements

*"Y" represents clause number 5 in the actual Requirements TS. For production of the contents of this subclause, follow the instructions in M.3020 [6] subclause 'A.2.2'.*

---

#### Z Specification level requirements

*"Z" represents clause number 6 in the actual Requirements TS.*

*For production of the contents of this subclause, follow the instructions in M.3020 [6] subclause 'A.2.3'.*

### 4.2 Template for Integration Reference Point (IRP) specific Requirements TSs

---

#### X Concepts and background

*"X" represents clause number 4 in the actual Requirements TS.*

*For production of the contents of this clause, follow the instructions in M.3020 Amendment 1 [8] subclause 'A.3.1'.*

---

## Y Requirements

*"Y" represents clause number 5 in the actual Requirements TS. For production of the contents of this subclause, follow the instructions in M.3020 Amendment 1 [8] subclause 'A.3.2'.*



## Annex A (informative): Change history

Change history								
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Cat	Old	New
May 2007	SA_36	SP-070295	--	--	Submitted to TSG SA#36 for Information	--	1.0.0	
Sep 2007	SA_37	SP-070615	--	--	Submitted to TSG SA#37 for Approval	--	2.0.0	8.0.0
Jun 2008	SA_40	SP-080329	0001	-	Correct the clause references to ITU-T Recommendation M.3020	F	8.0.0	8.1.0
Dec 2008	SA_42	SP-080846	0002	-	Simplified requirements template for IRPs	F	8.1.0	8.2.0
Mar 2009	SA-43	SP-090207	0003	--	Simplified requirements template for IRPs	F	8.2.0	8.3.0
Dec 2009	-	-	-	-	Update to Rel-9 version (MCC)	-	8.3.0	9.0.0
Mar 2011	-	-	-	-	Update to Rel-10 version (MCC)	-	9.0.0	10.0.0

---

## History

<b>Document history</b>		
V10.0.0	April 2011	Publication