ETSI TS 132 155 V13.1.0 (2016-05)

TECHNICAL SPECIFICATION

**Digital cellular telecommunications system (Phase 2+) (GSM);
Universal Mobile Telecommunications System (UMTS);
LTE;
Telecommunication management;
Requirements template
(3GPP TS 32.155 version 13.1.0 Release 13)**

Reference
RTS/TSGS-0532155vd10

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

The present document can be downloaded from:
http://www.etsi.org/standards-search

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the only prevailing document is the print of the Portable Document Format (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:
https://portal.etsi.org/People/CommiteeSupportStaff.aspx

Copyright Notification

ETSI

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 (https://ipr.etsi.org/).

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.

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the ETSI Drafting Rules (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

Contents

Foreword

This Technical Specification has been produced by the 3rd 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 3rd 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;

    TS 32.155:   **Requirements template;**

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 (07/2011): "Management interface specification methodology".

[7] 3GPP TS 32.761: "E-UTRAN Network Resource Model (NRM) IRP; Requirements".

[8] Void.

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

4.0 General

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].

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/.

Use the "Heading 1" paragraph style for clause 4, 5 and 6 in the Requirements TS.

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

4.1 Template for high-level Requirements TSs

4 Concepts and background

*For production of the contents of this clause, follow the template instructions in ITU-T M.3020 [6] subclause A.2, template clause "**1 Concepts and background**".*

5 Business level requirements

*For production of the contents of this subclause, follow the template instructions in ITU-T M.3020 [6] subclause A.2, template clause "**2 Business level requirements**".*

Note on the Use case template: All occurrences of "(*)" in the first column "Use Case Stage" of the Use case template in table A.2, as well as the last row with a NOTE at the end of the table, shall not be included in the requirements TS as these are only template instructions to the TS author. For example, "Goal[*]" shall be converted to "Goal" in the TS. Likewise, for all occurrences of "(M|O)", a choice of M or O shall be made, leaving it as either "(M)" or "(O)" in the TS. For example, "Step n (M|O)" shall be converted to "Step n (M)" or "Step n (O)" in the TS.

6 Specification level requirements

*For production of the contents of this subclause, follow the template instructions in ITU-T M.3020 [6] subclause A.2, template clause "**3 Specification level requirements**".*

Note on the Use case template: All occurrences of "(*)" in the first column "Use Case Stage" of the Use case template in table A.2, as well as the last row with a NOTE at the end of the table, shall not be included in the requirements TS as these are only template instructions to the TS author. For example, "Goal[*]" shall be converted to "Goal" in the TS. Likewise, for all occurrences of "(M|O)", a choice of M or O shall be made, leaving it as either "(M)" or "(O)" in the TS. For example, "Step n (M|O)" shall be converted to "Step n (M)" or "Step n (O)" in the TS.

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

4 Concepts and background

*For production of the contents of this clause, follow the template instructions in ITU-T M.3020 [6] subclause A.3, template clause "***1   Concepts and background***".*

5 Requirements

*For production of the contents of this subclause, follow the template instructions in ITU-T M.3020 [6] subclause A.3, template clause "***2   Requirements***".*

Annex A (informative): Change history

Change history								
Date	**TSG #**	**TSG Doc.**	**CR**	**Rev**	**Subject/Comment**	**Cat**	**Old**	**New**
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
2012-09	-	-	-	-	Update to Rel-11 version (MCC)		10.0.0	**11.0.0**
2014-10	-	-	-	-	Update to Rel-12 version (MCC)		11.0.0	**12.0.0**
2014-12	SA-66	SP-140799	0004	1	Upgrade M3020 reference and template instructions	C	12.0.0	**13.0.0**
2015-01					Editorial corrections in indentation of 4.1 and 4.2 (MCC)		13.0.0	**13.0.1**
2015-03	SA-67	SP-150061	0005	-	Editorial corrections	D	13.0.1	**13.1.0**

History

Document history		
V13.1.0	May 2016	Publication