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**Digital cellular telecommunications system (Phase 2+) (GSM);
Universal Mobile Telecommunications System (UMTS);
LTE;
Telecommunication management;
Requirements template
(3GPP TS 32.155 version 13.1.1 Release 13)**



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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

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Foreword

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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).

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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

Change history							
Date	Meeting	Tdoc	CR	Rev	Cat	Subject/Comment	New version
2016-12						Correction of LTE logo (MCC)	13.1.1

History

Document history		
V13.1.0	May 2016	Publication (withdrawn)
V13.1.1	January 2017	Publication