

ETSI TS 132 155 V16.1.0 (2023-01)



**Digital cellular telecommunications system (Phase 2+) (GSM);
Universal Mobile Telecommunications System (UMTS);
LTE;
Telecommunication management;
Requirements template
(3GPP TS 32.155 version 16.1.0 Release 16)**



Reference

RTS/TSGS-0532155vg10

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 - APE 7112B
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° w061004871

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 prevailing version of an ETSI deliverable is the one made publicly available in PDF format at www.etsi.org/deliver.

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

<https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx>

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

<https://portal.etsi.org/People/CommitteeSupportStaff.aspx>

If you find a security vulnerability in the present document, please report it through our
Coordinated Vulnerability Disclosure Program:

<https://www.etsi.org/standards/coordinated-vulnerability-disclosure>

Notice of disclaimer & limitation of liability

The information provided in the present deliverable is directed solely to professionals who have the appropriate degree of experience to understand and interpret its content in accordance with generally accepted engineering or other professional standard and applicable regulations.

No recommendation as to products and services or vendors is made or should be implied.

No representation or warranty is made that this deliverable is technically accurate or sufficient or conforms to any law and/or governmental rule and/or regulation and further, no representation or warranty is made of merchantability or fitness for any particular purpose or against infringement of intellectual property rights.

In no event shall ETSI be held liable for loss of profits or any other incidental or consequential damages.

Any software contained in this deliverable is provided "AS IS" with no warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose and non-infringement of intellectual property rights and ETSI shall not be held liable in any event for any damages whatsoever (including, without limitation, damages for loss of profits, business interruption, loss of information, or any other pecuniary loss) arising out of or related to the use of or inability to use the software.

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.

The copyright and the foregoing restriction extend to reproduction in all media.

© ETSI 2023.
All rights reserved.

Intellectual Property Rights

Essential patents

IPRs essential or potentially essential to normative deliverables may have been declared to ETSI. The declarations pertaining to these essential IPRs, if any, are 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 Directives including the ETSI IPR Policy, no investigation regarding the essentiality of IPRs, 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.

Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are trademarks of ETSI registered for the benefit of its Members. **3GPP™** and **LTE™** are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners. **oneM2M™** logo is a trademark of ETSI registered for the benefit of its Members and of the oneM2M Partners. **GSM®** and the GSM logo are trademarks registered and owned by the GSM Association.

Legal Notice

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. These shall be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between 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

Intellectual Property Rights	2
Legal Notice	2
Modal verbs terminology.....	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
4.0 General	6
4.1 Template for high-level Requirements TSs.....	6
4.2 Template for Integration Reference Point (IRP) specific Requirements TSs.....	7
Annex A (informative): Change history	8
History	9

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 32.153: Integration Reference Point (IRP) technology specific templates;
- TS 32.154: Backward and Forward Compatibility (BFC); Concept and definitions;
- TS 32.155: Requirements template;**
- TS 32.156: Telecommunication management; Fixed Mobile Convergence (FMC) Model Repertoire.
- TS 32.157: Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template.

1 Scope

The present document contains the template to be used for the production of all IRP based 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] Void.
- [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.
- [9] 3GPP TS 32.157: "Telecommunication management; Integration Reference Point (IRP) Information Service (IS) 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 32.157[9] 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
2017-03	SA#75	-	-	-	-	Promotion to Release 14 without technical change	14.0.0
2018-01	SA#78	SP-170964	0006	-	F	Update erroneous references	14.1.0
2018-06	-	-	-	-	-	Update to Rel-15 version (MCC)	15.0.0
2020-07	-	-	-	-	-	Update to Rel-16 version (MCC)	16.0.0
2022-12	SA#98e	SP-221170	0007	-	F	Correction of scope	16.1.0

History

Document history		
V16.0.0	August 2020	Publication
V16.1.0	January 2023	Publication