

ETSI TS 132 622 V11.1.0 (2013-07)



**Digital cellular telecommunications system (Phase 2+);
Universal Mobile Telecommunications System (UMTS);
LTE;
Telecommunication management;
Configuration Management (CM);
Generic network resources Integration Reference Point (IRP);
Network Resource Model (NRM)
(3GPP TS 32.622 version 11.1.0 Release 11)**



Reference

RTS/TSGS-0532622vb10

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/chaircor/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 2013.
All rights reserved.

DECT™, PLUGTESTS™, UMTS™ and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.
3GPP™ and **LTE™** are Trade Marks of ETSI registered for the benefit of its Members and
of the 3GPP Organizational Partners.

GSM® 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://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>.

Contents

Intellectual Property Rights	2
Foreword.....	2
Foreword.....	5
Introduction	5
1 Scope	6
2 References	6
3 Definitions and abbreviations.....	7
3.1 Definitions.....	7
3.2 Abbreviations	8
4 Compliance rules.....	9
5 Modelling approach.....	9
6 Information Object Class (IOC) definitions	10
6.1 Information Object Classes	10
6.1.1 Imported Information entities and local labels.....	10
6.1.2 Class diagram.....	11
6.1.2.1 Attributes and relationships.....	11
6.1.2.2 Inheritance.....	13
6.1.3 Information object class definitions.....	14
6.1.3.1 Any	14
6.1.3.1.1 Definition.....	14
6.1.3.2 IRPAGent	14
6.1.3.2.1 Definition.....	14
6.1.3.2.2 Attributes	14
6.1.3.2.3 Void.....	14
6.1.3.2.4 Notifications	14
6.1.3.3 ManagedElement	15
6.1.3.3.1 Definition.....	15
6.1.3.3.2 Attributes	15
6.1.3.3.3 Attribute constraints	15
6.1.3.3.4 Void.....	15
6.1.3.3.5 Notifications	15
6.1.3.4 ManagedFunction.....	16
6.1.3.4.1 Definition.....	16
6.1.3.4.2 Attributes	16
6.1.3.5 ManagementNode	16
6.1.3.5.1 Definition.....	16
6.1.3.5.2 Attributes	16
6.1.3.5.3 Void.....	16
6.1.3.5.4 Notifications	16
6.1.3.6 MeContext	17
6.1.3.6.1 Definition.....	17
6.1.3.6.2 Attributes	17
6.1.3.6.3 Attribute constraints	17
6.1.3.6.4 Void.....	17
6.1.3.6.5 Notifications	17
6.1.3.7 SubNetwork.....	18
6.1.3.7.1 Definition.....	18
6.1.3.7.2 Attributes	18
6.1.3.7.3 Attribute constraints	18
6.1.3.7.4 Void.....	18
6.1.3.7.5 Notifications	18

6.1.3.8	Top	19
6.1.3.8.1	Definition.....	19
6.1.3.8.2	Attributes	19
6.1.3.9	VsDataContainer.....	19
6.1.3.9.1	Definition.....	19
6.1.3.9.2	Attributes	19
6.1.3.10	Link.....	20
6.1.3.10.1	Definition.....	20
6.1.3.10.2	Attributes	20
6.1.3.10.3	Void.....	20
6.1.3.10.4	Notifications	20
6.1.3.11	EP_RP.....	21
6.1.3.11.1	Definition.....	21
6.1.3.11.2	Attributes	21
6.1.4	Information relationship definitions.....	22
6.1.4.1	ManagementScope (M)	22
6.1.4.1.1	Definition.....	22
6.1.4.1.2	Roles.....	22
6.1.4.1.3	Constraints.....	22
6.1.5	Information attribute definitions	23
6.1.5.1	Definitions and legal values	23
6.1.5.2	Constraints	25
6.1.6	Common Notifications.....	25
6.1.7	Particular information configurations	26
Annex A (informative):	Void	27
Annex B (informative):	Change history	28
History		30

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:

- 32.621: Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements
- 32.622: Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)**
- 32.626: Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Solution Set (SS) definitions

The interface Itf-N, defined in 3GPP TS 32.102 [2], is built up by a number of Integration Reference Points (IRPs) and a related Name Convention, which realise the functional capabilities over this interface. The basic structure of the IRPs is defined in 3GPP TS 32.101 [1] and 3GPP TS 32.102 [2].