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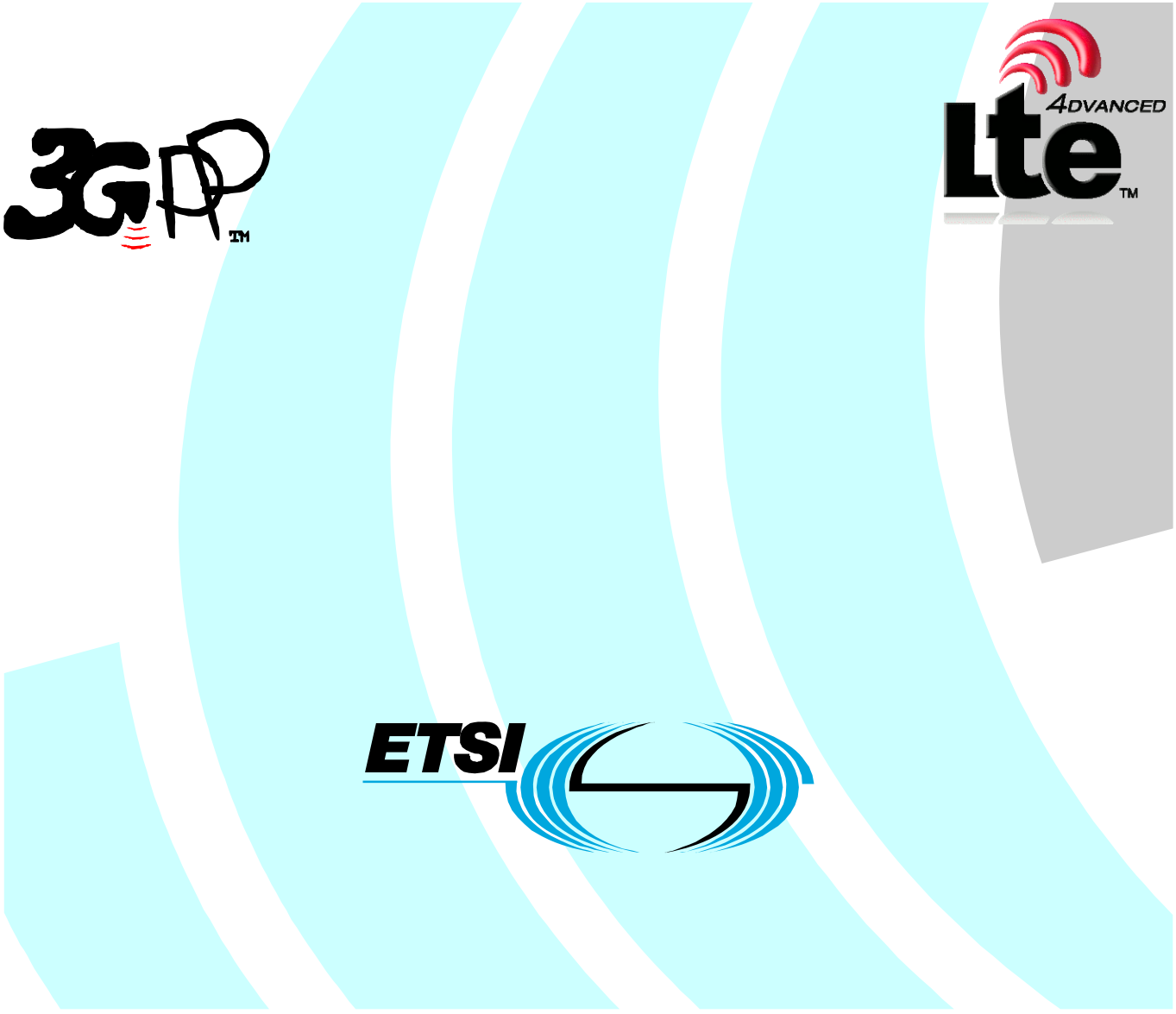
Technical Specification

Digital cellular telecommunications system (Phase 2+);
Universal Mobile Telecommunications System (UMTS);
LTE;
Telecommunication management;
Evolved Universal Terrestrial Radio Access Network (E-UTRAN)
Network Resource Model (NRM) Integration Reference Point (IRP);
Requirements
(3GPP TS 32.761 version 10.0.0 Release 10)



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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

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 32.761	**Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements**
TS 32.762	Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)
TS 32.763	Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)
TS 32.765	Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition

1 Scope

The present document defines, in addition to the requirements defined in [1], [2] and [3], the Requirements for the E-UTRAN Network Resource Model (NRM) IRP.

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 TS 32.101: "Telecommunication management; Principles and high level requirements".

[2] 3GPP TS 32.102: "Telecommunication management; Architecture".

[3] 3GPP TS 32.600: "Telecommunication management; Configuration Management (CM); Concept and high-level requirements".

[4] 3GPP TS 32.150: "Telecommunication management; Integration Reference Point (IRP) Concept and definitions".

[5] 3GPP TS 21.905: "Vocabulary for 3GPP Specifications".

[6] 3GPP TS 32.511: "Telecommunication management; Automatic Neighbour Relation (ANR) management; Concepts and requirements".

3 Definitions and abbreviations

3.1 Definitions

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

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in TS 32.150 [4], TS 32.101 [1], TS 32.102 [2] and TS 21.905 [5] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TS 32.150 [4], TS 32.101 [1], TS 32.102 [2] and TS 21.905 [5], in this order.

CM	Configuration Management
E-UTRAN	Evolved Universal Terrestrial Radio Access Network
IRP	Integration Reference Point
NRM	Network Resource Model

4 Requirements

The following general and high-level requirement applies for the present IRP:

A. IRP-related requirements in 3GPP TS 32.101 [1].

B. IRP-related requirements in 3GPP TS 32.102 [2].

C. IRP-related requirements in 3GPP TS 32.600 [3].

D. ANR management related requirements in 3GPP TS 32.511 [6]

In addition to the above, the following more specific requirements apply:

REQ-EUTRAN_NRM-CON-001: The NRM defined by this IRP shall contain E-UTRAN specific IOCs and related definitions, supporting E-UTRAN network entities.

REQ-EUTRAN_NRM-CON-002: The NRM defined by this IRP shall support management of inter-system handover between EPS and UMTS, between EPS and GSM, and between EPS and CDMA2000.

REQ-EUTRAN_NRM-CON-003: The NRM defined by this IRP shall support management of Inter-Radio Access Technology Automatic Neighbour Relation (IRAT ANR) from E-UTRAN to UTRAN, from E-UTRAN to GERAN, and from E-UTRAN to CDMA2000.

REQ-EUTRAN_NRM-CON-004: The NRM defined by this IRP shall support management of Intra-E-UTRAN handover.

REQ-EUTRAN_NRM-CON-005: The NRM defined by this IRP shall support management of Intra-E-UTRAN Automatic Neighbour Relation (ANR).

REQ-EUTRAN_NRM-CON-006: The NRM defined by this IRP shall support management of E-UTRAN relaying by having a Relay Node (RN) wirelessly connect to an Donor eNB (DeNB).

REQ-EUTRAN_NRM-CON-007: The NRM defined by this IRP shall support the management of designation of individual cells as reserved for special use, i.e. such that only UEs with an operator-specified subset of Access Classes 10 to 15 can use those cells.

Annex A (informative): Change history

Change history								
Date	**TSG #**	**TSG Doc.**	**CR**	**Rev**	**Subject/Comment**	**Cat**	**Old**	**New**
Dec 2008	SP-42	SP-080838	--	--	Submitted to SA#42 for Information and Approval	--	1.0.0	8.0.0
Sep 2009	SP-45	SP-090542	001	--	Addition of missing requirements for IRAT handover and ANR - alignment with stage2/3	F	8.0.0	8.1.0
Dec 2009	-	-	-	--	Update to Rel-9 version	--	8.1.0	9.0.0
Dec 2010	SP-50	SP-100833	002	--	Adding Relay and Donor eNodeB NRM Requirements - Align with RAN2 TS 36.300	B	9.0.0	10.0.0
Dec 2010	SP-50	SP-100833	003	--	Add requirement to restrict access to cells	B	9.0.0	10.0.0

History

Document history		
V10.0.0	May 2011	Publication