ETSI TS 132 656 V12.0.0 (2014-10)



Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE;

Telecommunication management;
Configuration Management (CM);
GERAN network resources Integration Reference Point (IRP);
Solution Set (SS) definitions
(3GPP TS 32.656 version 12.0.0 Release 12)



Reference RTS/TSGS-0532656vc00 Keywords GSM, LTE, UMTS

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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:

32.651: Configuration Management (CM); GERAN network resources Integration Reference Point (IRP):

Requirements

32.652: Configuration Management (CM); GERAN network resources Integration Reference Point (IRP):

Network Resource Model (NRM)

32.656: Configuration Management (CM); GERAN network resources Integration Reference Point

(IRP); Solution Set (SS) definitions

Configuration Management (CM), in general, provides the operator with the ability to assure correct and effective operation of the 3G-network as it evolves. CM actions have the objective to control and monitor the actual configuration on the NEs and NRs, and they may be initiated by the operator or functions in the OSs or NEs.

CM actions may be requested as part of an implementation programme (e.g. additions and deletions), as part of an optimisation programme (e.g. modifications), and to maintain the overall Quality of Service (QoS). The CM actions are initiated either as a single action on a Network Element (NE) of the 3G-network or as part of a complex procedure involving actions on many NEs.

The Itf-N interface for Configuration Management 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]. For CM, a number of IRPs (and the Name Convention) are defined herein, used by this as well as other technical specifications for telecom management produced by 3GPP.

1 Scope

The present document specifies the Solution Sets for the GERAN NRM IRP.

This Solution Set specification is related to 3GPP TS 32.652 V11.2.X [4].

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". 3GPP TS 32.600: "Telecommunication management; Configuration Management (CM); Concept [3] and high-level requirements". [4] 3GPP TS 32.652: "Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)". [5] 3GPP TS 32.300: "Telecommunication management; Configuration Management (CM); Name convention for Managed Objects". [6] 3GPP TS 32.612: "Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information Service (IS)". 3GPP TS 32.616: "Telecommunication management; Configuration Management (CM); Bulk CM [7] Integration Reference Point (IRP); Solution Set (SS) definitions". [8] W3C REC-xml-20001006: "Extensible Markup Language (XML) 1.0 (Second Edition)".
- [9] W3C REC-xmlschema-0-20010502: "XML Schema Part 0: Primer".
- [10] W3C REC-xmlschema-1-20010502: "XML Schema Part 1: Structures".
- [11]W3C REC-xmlschema-2-20010502: "XML Schema Part 2: Datatypes".
- W3C REC-xml-names-19990114: "Namespaces in XML". [12]

Definitions and abbreviations 3

3.1 **Definitions**

For terms and definitions please refer to 3GPP TS 32.101 [1], 3GPP TS 32.102 [2], 3GPP TS 32.600 [3] and 3GPP TS 32.652 [4].

XML file: file containing an XML document

XML document: composed of the succession of an optional XML declaration followed by a root XML element