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Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P);
Information model for Type 1 interface HeNB to HeNB Management System (HeMS)
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Contents

Foreword

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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:

32.591: "Telecommunications management; Home eNode B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Concepts and requirements for Type 1 interface HeNB to HeNB Management System (HeMS)".

32.592: "Telecommunications management; Home eNode B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Information model for Type 1 interface HeNB to HeNB Management System (H(e)MS)".

32.593: "Telecommunications management; Home eNode B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Procedure flows for Type 1 interface HeNB to HeNB Management System (HeMS)".

32.594: "Telecommunications management; Home eNode B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); XML definitions for Type 1 interface HeNB to HeNB Management System (HeMS)".

1 Scope

The present document describes the Information Model definition for Fault Management, Configuration Management and Performance measurements of Home eNodeBs.

The stage 2 definitions captured in the present document shall be met via type 1 interface between HeNB and HMS.

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 32.401: "Telecommunication management; Performance Management (PM); Concept and requirements".

[5] 3GPP TS 32.300: "Telecommunication management; Configuration Management (CM); Name convention for Managed Objects".

[6] 3GPP TS 25.331: "Radio Resource Control (RRC); Protocol specification".

[7] TR-069 Amendment 2, HeNB WAN Management Protocol v1.1, Broadband Forum

[8] 3GPP TR 25.820: "3G Home NodeB Study Item Technical Report".

[9] 3GPP TS 25.413: "UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling".

[10] 3GPP TS 25.401: " UTRAN Overall Description".

[11] 3GPP TS 25.433: "UTRAN Iub interface Node B Application Part (NBAP) signalling".

[12] TR-106, 'Data Model Template for TR-069-Enabled Devices', Broadband Forum, 2009, http://broadband-forum.org/technical/download/TR-106_Amendment-2.pdf.

[13] TR-196i2, "Femto Access Point Device Data Model " Broadband Forum, Issue 2 November 2011 http://www.broadband-forum.org/technical/download/TR-196_Issue-2.pdf. [14] 3GPP TS 32.432 "Telecommunication management; Performance measurement: File format definition".

[15] 3GPP TS 32.111-2: "Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)".

[16] 3GPP TS 32.111-6: "Telecommunication management; Fault Management; Part 6: Alarm Integration Reference Point (IRP): Solution Sets (SS)".

[17] IETF RFC 3280: "Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile", April 2002, http://www.ietf.org/rfc/rfc3280.txt.