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Contents

Intell	ectual Property Rights	2
Forev	word	2
Forev	word	4
Introd	duction	4
1	Scope	
2	References	
3	Definitions and abbreviations	
3.1 3.2	Definitions	
	Abbreviations	
4	Architectural features	
4.1	Notifications	6
5	Mapping	7
5.1	General mappings	7
5.2	UTRAN NRM Information Object Class (IOC) mapping	7
5.2.1	IOC RncFunction	7
5.2.2	IOC UtranGenericCell	8
5.2.3	IOC NodeBFunction	
5.2.4	IOC IubLink	
5.2.5	Void	
5.2.6	IOC ExternalUtranGenericCell	
5.2.7	IOC AntennaFunction	
5.2.8 5.2.9	IOC ExternalRncFunction	
5.2.9 5.2.10		
5.2.10 5.2.11		
5.2.11		
5.2.12		
5.2.14		
5.2.15		
5.2.16		
5.2.17	7 IOC TmaFunction	16
5.2.18		
5.2.19	-	
5.2.20	O IOC EP_IuPS	17
6	Rules for management information model extensions	18
6.1	Allowed extensions	
6.2	Extensions not allowed	18
Anne	ex A (normative): CORBA IDL, NRM definitions	19
A.1	IDL specification (file name "UtranNetworkResourcesNRMDefs.idl")	
4 1. 1	DD specification (the name of an intervolkiesources) with Dels.iai /	19
Anne	ex B (informative): Change history	26
TT: -4 -		27

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:

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32.641:	"Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements".
32.642:	"Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Network Resource Model (NRM)".
32.643:	"Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)".
32.645:	"Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition".

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 purpose of this UTRAN Network Resources IRP: CORBA Solution Set is to define the mapping of the IRP information model (see TS 32.642 [4]) to the protocol specific details necessary for implementation of this IRP in a CORBA/IDL environment.

This Solution Set specification is related to 3GPP TS 32.642 V9.3.X.

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.
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- 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 32.642: "Telecommunication management; Configuration Management (CM); UTRAN 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] OMG Notification Service, Version 1.0.
- [7] OMG CORBA services: Common Object Services Specification, Update: November 22, 1996.
- [8] The Common Object Request Broker: Architecture and Specification (for specification of valid version, see [1]).
- [9] 3GPP TS 32.303: "Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)".
- [10] 3GPP TS 32.111-3: "Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)".