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Technical Specification

**Universal Mobile Telecommunications System (UMTS);
Telecommunication management;
Configuration Management (CM);
Part 4: Notification Integration Reference Point:
CMIP Solution Set Version 1:1
(3GPP TS 32.106-4 version 3.2.1 Release 1999)**



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Foreword

This Technical Specification (TS) has been produced by the 3rd Generation Partnership Project (3GPP).

The present document is part 4 of a multi-part TS covering the 3rd Generation Partnership Project: Technical Specification Group Services and System Aspects; Telecommunication Management; Configuration Management, as identified below:

- Part 1: “3G Configuration Management: Concept and Requirements”;
- Part 2: “Notification Integration Reference Point: Information Service Version 1”;
- Part 3: “Notification Integration Reference Point: CORBA Solution Set Version 1:1”;
- Part 4: “Notification Integration Reference Point: CMIP Solution Set Version 1:1”;**
- Part 5: “Basic Configuration Management IRP Information Model (including NRM) Version 1”;
- Part 6: “Basic Configuration Management IRP CORBA Solution Set Version 1:1”;
- Part 7: “Basic Configuration Management IRP CMIP Solution Set Version 1:1”;
- Part 8: “Name Convention for Managed Objects”.

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Introduction

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 Network Elements (NEs) and Network Resources (NRs), and they may be initiated by the operator or by functions in the Operations Systems (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 NE of the 3G network or as part of a complex procedure involving actions on many NEs.

The Itf-N interface for CM 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 specifications for Telecom Management (TM) produced by 3GPP. All these are included in 3GPP TS 32.106 from Part 2 and onwards.

The present document is Part 4 of 3GPP TS 32.106 (3GPP TS 32.106-4) - Notification IRP CMIP Solution Set.

IRP Solution Set version: The version of this CMIP Solution Set is 1:1, where the first “1” means that it corresponds to the Information Service (3GPP TS 32.106-2 [3]) version 1, and the second “1” means that it is the first CMIP Solution Set corresponding to this Information Service version.