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Universal Mobile Telecommunications System (UMTS);  
LTE;  
Telecommunication management;  
Configuration Management (CM);  
Basic CM Integration Reference Point (IRP);  
Information Service (IS)  
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# Foreword

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# Introduction

The present document is part of a TS-family covering the 3<sup>rd</sup> Generation Partnership Project: Technical Specification Group Services and System Aspects; Telecommunication management; as identified below:

32.601: "Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements"

**32.602: "Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (IS)"**

32.606: "Configuration Management (CM); Basic CM 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 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 single actions on single NEs of the 3G network, or as part of a complex procedure involving actions on many resources/objects in one or several NEs.

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# 1 Scope

The present document defines a component of an Integration Reference Point (IRP) through which an 'IRP Agent' (typically an Element Manager or Network Element) can communicate basic Configuration Management related information to one or several 'IRP Managers' (typically Network Managers).

The function of this Basic CM IRP Information Service is to define an interface for the retrieval and modification of Configuration Management Information.

This Basic CM IRP IS is aligned with ITU-T M.3700 [15] in that ITU-T M.3700 is a subset of the Basic CM IRP IS in terms of the definitions of operations for the retrieval and modification of Configuration Management Information.

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# 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.

- [1] 3GPP TS 32.101: "Telecommunication management; Principles and high level requirements".
- [2] 3GPP TS 32.102: "Telecommunication management; Architecture".
- [3] 3GPP TS 32.302: "Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)".
- [4] 3GPP TS 32.312: "Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)".
- [5] 3GPP TS 32.300: "Telecommunication management; Configuration Management (CM); Name convention for Managed Objects".
- [6] 3GPP TS 32.600: "Telecommunication management; Configuration Management (CM); Concept and high-level requirements".
- [7] ITU-T Recommendation X.710 (1997): "Common Management Information Service".
- [8] ITU-T Recommendation X.721 (02/92): "Information Technology - Open Systems Interconnection – Structure of Management Information: Definition of Management Information".
- [9] ITU-T Recommendation X.730 (01/92): "Information Technology - Open Systems Interconnection – Systems Management: Object Management Function".
- [10] ITU-T Recommendation X.733 (02/92): "Information Technology - Open Systems Interconnection - Alarm Reporting Function".
- [11] 3GPP TS 32.662: "Telecommunication management; Configuration Management (CM); Kernel CM Information Service (IS)".
- [12] ITU-T Recommendation X.720: "Information technology - Open Systems Interconnection - Structure of management information: Management information model".
- [13] 3GPP TS 32.622: "Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)".