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LTE;  
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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:

- 32.361: "Entry Point (EP) Integration Reference Point (IRP): Requirements".**
- 32.362: "Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)".
- 32.366: "Entry Point (EP) Integration Reference Point (IRP); Solution Set (SS) definitions".

The present document is part of a set of technical specifications defining the Telecommunication Management (TM) of 3G systems. The TM principles are described in 3GPP TS 32.101 [1]. The TM architecture is described in 3GPP TS 32.102 [2]. The other specifications define the interface (Itf-N) between the managing system (manager), which is in general the Network Manager (NM) and the managed system (agent), which is either an Element Manager (EM) or the managed NE itself. The Itf-N is composed of a number of Integration Reference Points (IRPs) defining the information in the agent that is visible for the manager, the operations that the manager may perform on this information and the notifications that are sent from the agent to the manager. EPIRP is one of these IRPs with special function.

It is difficult for an NM to discover all IRPs in the environment where there are several managed systems and/or if there are multiple IRPs related to each managed system. This Entry Point is proposed to provide a convenient mechanism for NM to discover the managed systems and their related IRPs.

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# 1 Scope

The present document describes the requirements of the EPIRP.

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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. 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 32.111-1: "Telecommunication management; Fault management; Part 1: 3G fault management requirements".

[4] 3GPP TS 32.601: "Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Requirements".

[5] 3GPP TS 32.622: "Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)".

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## 3 Definitions and abbreviations

### 3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

**Entry Point (EP):** access point between NM and the managed systems and provides the way for NM to discover the References of IRPs in the managed systems

**Reference:** defines the IRP network management service access point. The IRPManagers connect to this IRP Reference in order to request and obtain the network management services (provided by that IRP). The implementation of IRP Reference is technology dependent. For example, in CMIP, this is the address of the CMIP IRP Agent and application context of the CMIP IRP. In CORBA, this is the IOR of the IRP contained by the IRP Agent.

**Version negotiation:** when the managed system supports more than one IRP versions, there is a mechanism for NM to select the needed IRP version, and invoke the most appropriate management operations