



**Universal Mobile Telecommunications System (UMTS);  
LTE;  
Telecommunication management;  
Key Performance Indicators (KPI)  
for Evolved Universal Terrestrial  
Radio Access Network (E-UTRAN);  
Requirements  
(3GPP TS 32.451 version 14.0.0 Release 14)**



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## Introduction

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

- 32.451: Key Performance Indicators (KPI) for E-UTRAN; Requirements;
- 32.450: Key Performance Indicators (KPI) for E-UTRAN; Definitions.

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# 1 Scope

The present document specifies requirements (business level requirements, specification level requirements and use case descriptions) related to Key Performance Indicators (KPIs) for E-UTRAN.

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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] ITU-T Recommendation E.800: "Terms and Definitions related to Quality of Service and Network Performance including Dependability".
- [2] 3GPP TS 21.905: "Vocabulary for 3GPP Specifications".
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## 3 Definitions and abbreviations

### 3.1 Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [2] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [2].

### 3.2 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [2] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TR 21.905 [2].

DRX	Discontinuous Reception
eNB	E-UTRAN Node B
EPS	Evolved Packet System
E-RAB	E-UTRAN Radio Access Bearer
E-UTRAN	Evolved UTRAN
GBR	Guaranteed Bit Rate
KPI	Key Performance Indicator
KQI	Key Quality Indicator
LTE	Long Term Evolution
RAT	Radio Access Technology
TTI	Transmission Time Interval
UE	User Equipment
UMTS	Universal Mobile Telecommunications System
UTRAN	UMTS Radio Access Network