



**Universal Mobile Telecommunications System (UMTS);  
LTE;  
Specification of the 3GPP Confidentiality  
and Integrity Algorithms EEA3 & EIA3;  
Document 4: Design and Evaluation Report  
(3GPP TR 35.924 version 12.0.0 Release 12)**



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# Contents

Intellectual Property Rights .....	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	4
1 Scope .....	5
2 References .....	5
3 Definitions, symbols and abbreviations .....	5
3.1 Definitions .....	5
3.2 Symbols.....	5
3.3 Abbreviations .....	5
4 Technical provisions.....	5
<b>Annex A (informative): Change history .....</b>	<b>6</b>
History .....	7

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- z the third digit is incremented when editorial only changes have been incorporated in the document.

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# 1 Scope

The present document specifies the 3GPP confidentiality and integrity algorithms known as EEA3 and EIA3.

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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.
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[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] ETSI TC SAGE: "Specification of the 3GPP Confidentiality and Integrity Algorithms 128-EEA3 & 128-EIA3; Document 4; Design and Evaluation Report" version 2.0.

NOTE: Reference [2] is available via <http://www.etsi.org/WebSite/OurServices/Algorithms/3gppalgorithms.aspx> and is subject to licensing conditions described at this site.

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## 3 Definitions, symbols and abbreviations

### 3.1 Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [1] and in the SAGE Specification [2] apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [1].

### 3.2 Symbols

For the purposes of the present document, the symbols defined in the SAGE Specification [2] apply.

### 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [2] and in the SAGE Specification [2] apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TR 21.905 [1].

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## 4 Technical provisions

The technical provisions of the current document are contained in the SAGE Specification [2].