### ETSI TS 135 221 V17.0.0 (2022-04)



Universal Mobile Telecommunications System (UMTS); PREVEEW

Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3;

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### **Foreword**

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### 1 Scope

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

### 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 TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] ETSI TC SAGE "Specification of the 3GPP Confidentiality and Integrity Algorithms 128-EEA3 & 128-EIA3; Document 1: 128-EEA3 & 128-EIA3 Specification" version 1.7.

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

### PREVIEW

### 3 Definitions, symbols and abbreviations

### 3.1 Definitions ETSLTS 135 221 V17.0.0 (2022-04)

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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].

### 4 Technical provisions

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

## Annex A (informative): Change history

Change history										
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New			
2011-07	SA-53	SP-110500			Submission for Information and Approval		1.0.0			
2011-09	SA-53	SP-110565			Submission for Information and Approval - correction of cover sheet and update of TSG Doc. field in Change History	1.0.0	1.0.1			
2012-01					Publication	1.0.1	11.0.0			
2012-05					Reference 2 now to specific version	11.0.0	11.0.1			
2014-09	-	-	-	-	Update to Rel-12 version (MCC)	11.0.1	12.0.0			
2016-01	-	=	-	-	Update to Rel-13 version (MCC)	12.0.0	13.0.0			
2017-03	SA#75	-	-	-	Promotion to Release 14 without technical change	13.0.0	14.0.0			
2018-06	-	-	-	-	Update to Rel-15 version (MCC)	14.0.0	15.0.0			
2020-07	-	-	-	-	Update to Rel-16 version (MCC)	15.0.0	16.0.0			
2022-03	-	-	-	-	Update to Rel-17 version (MCC)	16.0.0	17.0.0			

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