

ETSI TS 155 217 V3.0.0 (2008-01)

Technical Specification

**Digital cellular telecommunications system (Phase 2+);
Specification of the A5/3 encryption algorithms for GSM and
ECSD, and the GEA3 encryption algorithm for GPRS;
Document 2: Implementors' test data
(3GPP TS 55.217 version 3.0.0 Release 1999)**



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Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

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Version x.y.z

where:

- x the first digit:
 - 1 presented to TSG for information;
 - 2 presented to TSG for approval;
 - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

0 Scope

The present document specifies implementors' test data for the A5/3 and GEA3 specification.

0A 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] 3GPP TS 55.217 Release-7 (v7.x.x): "Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data".

0B Definitions, symbols and abbreviations

0B.1 Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [1] and in the Release 7 Specification [2] apply. A term defined in the latter document takes precedence over the definition of the same term, if any, in TR 21.905 [1].

0B.2 Symbols

For the purposes of the present document, the symbols defined in the Release 7 Specification [2] apply.

0B.3 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [2] and in the Release 7 Specification [2] apply. An abbreviation defined in the latter document takes precedence over the definition of the same abbreviation, if any, in TR 21.905 [1].

0C Technical provisions

The technical provisions of the current document are contained in the Release 7 Specification [2].

Annex A (informative): Change history

| Change history | | | | | | | |
|----------------|-------|-----------|-----|-----|---|-----------|-----------|
| Date | TSG # | TSG Doc. | CR | Rev | Subject/Comment | Old | New |
| 2002-05 | - | - | - | - | ETSI SAGE first publication | | SAGE V1.0 |
| 2002-07 | - | - | - | - | Agreed at SA WG3 #24 for presentation to TSG SA #17 for approval. Converted into 3GPP TS format (TS 55.217) (Technically equivalent to SAGE V1.0) | SAGE V1.0 | 1.0.0 |
| 2002-09 | SP-17 | SP-020506 | - | - | Approved for Release 6 - version 6.0.0 | 1.0.0 | 6.0.0 |
| 2002-12 | SP-18 | SP-020721 | 001 | - | EGPRS algorithm | 6.0.0 | 6.1.0 |
| 2007-12 | SP-38 | SP-070776 | 006 | - | Creation of Release 99 version | 6.1.0 | 3.0.0 |

History

| Document history | | |
|-------------------------|--------------|-------------|
| V3.0.0 | January 2008 | Publication |
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