

# ETSI TS 125 327 V17.0.0 (2022-05)



**Universal Mobile Telecommunications System (UMTS);  
High Speed Packet Access (HSPA);  
Requirements on User Equipments (UEs)  
supporting a release-independent frequency  
band and multi-carrier configuration  
(3GPP TS 25.327 version 17.0.0 Release 17)**



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Reference

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Keywords

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# Modal verbs terminology

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# Contents

|   |          |
|---|----------|
| Intellectual Property Rights .....                        | 2        |
| Legal Notice .....  | 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 Abbreviations .....                                   | 5        |
| 4 DB-DC-HSDPA configurations independent of release ..... | 6        |
| 4.1 Void.....   | 6        |
| 4.2 Void.....   | 6        |
| 4.3 Void.....   | 6        |
| 5 4C-HSDPA configurations independent of release .....    | 6        |
| 5.1 Single-band contiguous configurations .....           | 6        |
| 5.1.1 Void .....  | 6        |
| 5.1.2 Void .....  | 6        |
| 5.2 Dual-band configurations .....                        | 6        |
| 5.2.1 Void .....  | 6        |
| 5.2.2 Void .....  | 6        |
| 5.2.3 Void .....  | 6        |
| 5.2.4 Void .....  | 6        |
| 5.2.5 Void .....  | 6        |
| 6 8C-HSDPA configurations independent of release.....     | 6        |
| <b>Annex A (informative): Change history .....</b>        | <b>7</b> |
| History .....   | 8        |

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# Foreword

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

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

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.

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# 1 Scope

The present document specifies requirements on UEs supporting a DB-DC-HSDPA, 4C-HSDPA, and 8C-HSDPA configuration that is independent of release. TSG-RAN has agreed that the standardisation of new configurations may be independent of a release. However, in order to implement a UE that conforms to a particular release but supports a configuration that is specified in a later release, it is necessary to specify some extra requirements.

For example, Band I-XI combination for DB-DC-HSDPA (referred to as DB-DC-HSDPA configuration 4 in [2]) is contained in the Release 10 specifications. In order to implement a UE conforming to Release 9 but supporting this configuration, it is necessary for the UE to additionally conform to some parts of the Release 10 specifications, such as the radio frequency and radio resource management requirements for the configuration.

Similarly, 4C-HSDPA configuration I-3 is contained in the Release 11 specification [3]. In order to implement a UE conforming to Release 10, but supporting this configuration, it is necessary for the UE to additionally conform to some parts of the Release 11 specifications.

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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 TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 25.101 (Release 10): "User Equipment (UE) radio transmission and reception (FDD)".
- [3] 3GPP TS 25.101 (Release 11): "User Equipment (UE) radio transmission and reception (FDD)".
- [4] Void
- [5] Void

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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 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 [1].

## 3.2 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [1] 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 [1].

|             |                           |
|-------------|---------------------------|
| DB-DC-HSDPA | Dual Band Dual Cell HSDPA |
| 4C-HSDPA    | Four-carrier HSDPA        |
| 8C-HSDPA    | Eight-carrier HSDPA       |

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## 4 DB-DC-HSDPA configurations independent of release

4.1 Void

4.2 Void

4.3 Void

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## 5 4C-HSDPA configurations independent of release

5.1 Single-band contiguous configurations

5.1.1 Void

5.1.2 Void

5.2 Dual-band configurations

5.2.1 Void

5.2.2 Void

5.2.3 Void

5.2.4 Void

5.2.5 Void

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## 6 8C-HSDPA configurations independent of release

## Annex A (informative): Change history

| Change history |        |           |      |     |     |   |             |
|----------------|--------|-----------|------|-----|-----|---|-------------|
| Date           | TSG #  | TSG Doc.  | CR   | Rev | Cat | Subject/Comment   | New version |
| 2013-11        |        |           |      |     |     | Skeleton report based on 25.317 contents                        | 1.0.0       |
| 2013-12        | RP-62  | RP-131629 |      |     |     | TS 25.327 approved by RAN #62                                   | 9.0.0       |
|                | RP-62  | RP-131980 | 0002 | 1   |     | Introduction of TS 25.327                                       | 11.0.0      |
| 2014-03        | RP-63  | -         | -    | -   |     | Introduction of TS 25.327 REL-12                                | 12.0.0      |
| 2014-06        | RP-64  | RP-140872 | 0009 | -   |     | Introduction of the new band combinations related to Band XXXII | 12.1.0      |
| 2015-12        | RP-70  | -         | -    | -   |     | Upgrade to the Release 13 - no technical change                 | 13.0.0      |
| 2017-03        | RP-75  | -         | -    | -   |     | Upgrade to Release 14 - no technical change                     | 14.0.0      |
| 2018-06        | RP-80  | -         | -    | -   |     | Upgrade to Release 15 - no technical change                     | 15.0.0      |
| 2020-07        | RP-88e | -         | -    | -   |     | Upgrade to Rel-16 version without technical change              | 16.0.0      |
| 2022-03        | RP-95e | -         | -    | -   |     | Upgrade to Rel-17 version without technical change              | 17.0.0      |



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# History

| <b>Document history</b> |          |             |
|-------------------------|----------|-------------|
| V17.0.0                 | May 2022 | Publication |
|                         |          |             |
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|                         |          |             |
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