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| Technical Specification |
| 3rd Generation Partnership Project;Technical Specification Group Radio Access Network;NR;Sidelink Positioning Protocol (SLPP);Protocol specification(Release 18) |
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| ***3GPP***Postal address3GPP support office address650 Route des Lucioles - Sophia AntipolisValbonne - FRANCETel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16Internethttp://www.3gpp.org |
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# Foreword

This Technical Specification has been produced by the 3rd 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.

# 1 Scope

The present document …

# 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".

…

[x] <doctype> <#>[ ([up to and including]{yyyy[-mm]|V<a[.b[.c]]>}[onwards])]: "<Title>".

# 3 Definitions of terms, symbols and abbreviations

## 3.1 Terms

For the purposes of the present document, the terms 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].

**example:** text used to clarify abstract rules by applying them literally.

## 3.2 Symbols

For the purposes of the present document, the following symbols apply:

<symbol> <Explanation>

## 3.3 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].

<ABBREVIATION> <Expansion>

# 4 Functionality of Protocol

## 4.1 General

### 4.1.1 SLPP Configuration

### 4.1.2 SLPP Sessions and Transactions

### 4.1.3 SLPP Position Methods

### 4.1.4 SLPP Messages

## 4.2 Common SLPP Session Procedure

# 5 SLPP Procedures

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## 5.2 Procedures related to Assistance Data Transfer

## 5.3 Procedures related to Location Information Transfer

## 5.4 Error Handling Procedures

## 5.5 Abort Procedure

# 6 Protocol data units, formats and parameters (ASN.1)

## 6.1 General

## 6.2 SLPP messages

### 6.2.1 General message structure

### 6.2.2 Message definitions

## 6.3 SLPP information elements

6.3.1 Common information elements

6.3.2 UE capability information elements

6.3.3 Positioning Method information elements

## 6.4 Multiplicity and type constraint values

Annex <X> (informative):
Change history

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| Change history |
| Date | Meeting | TDoc | CR | Rev | Cat | Subject/Comment | New version |
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