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**Universal Mobile Telecommunications System (UMTS);
Deployment aspects
(3GPP TR 25.943 version 14.0.0 Release 14)**



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650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

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Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	4
1 Scope	5
9. References	5
3 Definitions, symbols and abbreviations	5
3.1 Definitions	5
9.0 Symbols.....	5
9.0 Abbreviations	5
4 General	5
9. Channel model descriptions	6
9.0 Typical Urban channel model (Tux)	7
9.0 Rural Area channel model (Rax).....	7
9.0 Hilly Terrain channel model (HTx).....	8
Annex A: The COST 259 Channel Model.....	9
A.1 Background	9
A.2 Model descriptions	9
A.3 Reduced complexity models.....	10
Annex B: Example of simplified model using other time resolution	12
Annex C: Change history	13
History	14

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1 Scope

The present document establishes channel models to be used for deployment evaluation.

9. References

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- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
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- [1] L.M. Correia, ed., Wireless flexible personalized communications – COST 259: European co-operation in mobile radio research, John Wiley & Sons 2001.
- [2] GSM 05.05, “Digital cellular telecommunications system (Phase 2+); Radio transmission and reception”

3 Definitions, symbols and abbreviations

3.1 Definitions

void

9.0 Symbols

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

σ_r	R.M.S. delay spread.
F _d	Maximum Doppler shift
f _s	Doppler frequency of the direct path, given by its direction relative to the mobile direction of movement

9.0 Abbreviations

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

COST	European Co-operation in the field of Scientific and Technical research
GSM	Global System for Mobile communications
HT	Hilly Terrain
RA	Rural Area
TU	Typical Urban
UMTS	Universal Mobile Telecommunications System

4 General

The channel models have been chosen as simplifications, or typical realisations of the COST 259 model [1] that is described in more detail in Annex A.