

Speech and multimedia Transmission Quality (STQ); QoS Parameter Measurements based on fixed Data Transfer Times

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ETSI TR 102 678 V1.2.1 \(2011-05\)](https://standards.iteh.ai/catalog/standards/etsi/994aaf93-52b2-4820-9b41-c77d5d06f0ab/etsi-tr-102-678-v1-2-1-2011-05)

<https://standards.iteh.ai/catalog/standards/etsi/994aaf93-52b2-4820-9b41-c77d5d06f0ab/etsi-tr-102-678-v1-2-1-2011-05>



Reference

RTR/STQ-00184m

Keywords

3G, GSM, network, QoS, service

ETSI

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

(<https://standards.iteh.ai>)
Document Preview

Important notice

Individual copies of the present document can be downloaded from:

<http://www.etsi.org>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at

<http://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, please send your comment to one of the following services:

http://portal.etsi.org/chaicor/ETSI_support.asp

Copyright Notification

No part may be reproduced except as authorized by written permission.
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2011.
All rights reserved.

DECT™, **PLUGTESTS™**, **UMTS™**, **TIPHON™**, the TIPHON logo and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.

3GPP™ is a Trade Mark of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

LTE™ is a Trade Mark of ETSI currently being registered

for the benefit of its Members and of the 3GPP Organizational Partners.

GSM® and the GSM logo are Trade Marks registered and owned by the GSM Association.

Contents

Intellectual Property Rights	4
Foreword.....	4
Introduction	4
1 Scope	6
2 References	6
2.1 Normative references	6
2.2 Informative references.....	6
3 Definitions, symbols and abbreviations	6
3.1 Definitions.....	6
3.2 Symbols.....	7
3.3 Abbreviations	7
4 FDTT-QoS General Concept.....	7
4.1 Concept of FDTT-QoS	7
4.2 Event diagrams	8
4.2.1 Diagram of Events for FTP download, active mode.....	8
4.2.2 Diagram of Events for FTP download, passive mode.....	9
4.2.3 Diagram of Events for FTP upload, active mode.....	9
4.2.4 Diagram of Events for FTP upload, passive mode	10
4.2.5 Diagram of Events for HTTP download	10
4.3 Usage recommendation	11
4.4 Relation to QoS parameters.....	11
5 Direct Services QoS Parameters	11
5.1 File Transfer (FTP).....	11
5.1.1 FDTT-QoS FTP {Download Upload} Mean Data Rate [kbit/s]	11
5.1.1.1 Abstract Definition.....	11
5.1.1.2 Abstract Equation.....	11
5.1.1.3 Trigger Points.....	12
5.1.2 FDTT-QoS FTP {Download Upload} Data Transfer Non-Stability [%].....	12
5.1.2.1 Abstract Definition.....	12
5.1.2.2 Abstract Equation.....	12
5.1.2.3 Trigger Points.....	13
5.2 Web Browsing (HTTP).....	13
5.2.1 FDTT-QoS HTTP Mean Data Rate [kbit/s]	13
5.2.1.1 Abstract Definition.....	13
5.2.1.2 Abstract Equation.....	13
5.2.1.3 Trigger Points.....	14
5.2.2 FDTT-QoS HTTP Data Transfer Non-Stability [%].....	14
5.2.2.1 Abstract Definition.....	14
5.2.2.2 Abstract Equation.....	14
5.2.2.3 Trigger Points.....	14
6 Summary and conclusion	14
History	15