

ETSI ES 283 035 V2.6.1 (2014-01)



**Network Technologies (NTECH);
Network Attachment;
e2 interface based on the DIAMETER protocol**

Document Preview

[ETSI ES 283 035 V2.6.1 \(2014-01\)](https://standards.iteh.ai/catalog/standards/etsi/7d53ff05-cc77-4242-bde9-4d0ca0d922da/etsi-es-283-035-v2-6-1-2014-01)

<https://standards.iteh.ai/catalog/standards/etsi/7d53ff05-cc77-4242-bde9-4d0ca0d922da/etsi-es-283-035-v2-6-1-2014-01>

ReferenceRES/NTECH-00013-NASS-e2

Keywords

interface, network, system

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 2014.
All rights reserved.

DECTTM, PLUGTESTSTM, UMTSTM and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.
3GPPTM and LTETM are Trade Marks of ETSI 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	5
Foreword.....	5
1 Scope	6
2 References	6
2.1 Normative references	6
2.2 Informative references.....	7
3 Definitions and abbreviations.....	7
3.1 Definitions.....	7
3.2 Abbreviations	7
4 Overview	8
5 Procedure descriptions	9
5.1 General	9
5.2 Procedures on the CLF - AF interface.....	10
5.2.1 Information query	10
5.2.1.1 Overview.....	10
5.2.1.2 Procedure at the AF side	11
5.2.1.3 Procedure at the CLF side	11
5.2.2 Event Registration/Deregistration.....	12
5.2.2.1 Overview	12
5.2.2.2 Procedure at the AF side	13
5.2.2.3 Procedure at the CLF side	13
5.2.3 Notification Events	14
5.2.3.1 Overview	14
5.2.3.2 Procedure at the CLF side	14
5.2.3.3 Procedure at the AF side	15
6 Use of the Diameter base protocol	15
6.1 Securing Diameter messages	15
6.2 Accounting functionality.....	15
6.3 Use of sessions	16
6.4 Transport protocol	16
6.5 Routing considerations	16
6.6 Advertising application support	16
7 DIAMETER application.....	17
7.1 Commands.....	17
7.1.1 User-Data-Request command	17
7.1.2 User-Data-Answer command.....	18
7.1.3 Subscribe-Notifications-Request (SNR) Command	18
7.1.4 Subscribe-Notifications-Answer (SNA) Command.....	18
7.1.5 Push-Notification-Request (PNR) Command.....	19
7.1.6 Push-Notifications-Answer (PNA) Command.....	19
7.2 Result-Code AVP values.....	19
7.2.1 Success.....	20
7.2.2 Permanent failures	20
7.2.3 Transient failures	20
7.3 AVPs	20
7.3.1 Location-Information AVP	21
7.3.1A Civic-Location AVP	22
7.3.1B Geospatial-Location AVP.....	22
7.3.2 Policy-Control-Contact-Point AVP	22
7.3.3 Terminal-Type AVP	22
7.3.4 Requested-Information AVP	22
7.3.5 Line-Identifier AVP	22

7.3.6	Event-Type AVP	23
7.4	Use of namespaces	23
7.4.1	AVP codes	24
7.4.2	Experimental-Result-Code AVP values.....	24
7.4.3	Command Code values	24
7.4.4	Application-ID value	24
Annex A (informative):	Application to NGN Architectures	25
A.1	Overview	25
A.2	Mapping of e2 operations and terminology to Diameter.....	25
Annex B (informative):	Change history	27
History		28

iTeh Standards

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

Document Preview

[ETSI ES 283 035 V2.6.1 \(2014-01\)](#)

<https://standards.iteh.ai/catalog/standards/etsi/7d53ff05-cc77-4242-bde9-4d0ca0d922da/etsi-es-283-035-v2-6-1-2014-01>