

Diameter Command Codes for
Third Generation Partnership Project (3GPP) Release 5

Status of this Memo

This memo provides information for the Internet community. It does not specify an Internet standard of any kind. Distribution of this memo is unlimited.

Copyright Notice

Copyright (C) The Internet Society (2003). All Rights Reserved.

Abstract

This document describes the IANA's allocation of a block of Diameter Command Codes for the Third Generation Partnership Project (3GPP) Release 5. This document does not pass judgment on the usage of these command codes. Further more, these command codes are for use for Release 5. For future releases, these codes cannot be reused, but must be allocated according to the Diameter Base specification.

Table of Contents

1.	Introduction.....	2
1.1.	Abbreviations.....	2
2.	Command Code Allocation.....	2
3.	Security Considerations.....	2
4.	Acknowledgements.....	3
5.	Intellectual Property Statement.....	3
6.	References.....	3
6.1.	Normative References.....	3
6.2.	Informative References.....	3
7.	Author's Address.....	4
8.	Full Copyright Statement.....	5

1. Introduction

The Third Generation Partnership Project (3GPP) is defining the Internet Multimedia Subsystem (IMS) as part of their Release 5 architecture. As part of this architecture, they have defined a Diameter application [29.229] and [29.329] which requires the use of new Diameter Command Codes [DIAM].

1.1. Abbreviations

3GPP Third Generation Partnership Project

IANA Internet Assigned Name Authority

IMS Internet Multimedia Subsystem

2. Command Code Allocation

The IANA has allocated Diameter Command Codes 300 through 313, for use in 3GPP Release 5. The protocols defined by these command codes have not been carefully reviewed by the IETF community and are not considered to be general mechanisms appropriate for broad usage. More work is needed to develop general mechanisms and may become a work item of an IETF Working Group. These command codes are intended to be used for 3GPP Release 5 only [29.228], [29.229]. Future 3GPP releases are expected to make use of alternate mechanisms.

Command codes for 3GPP Release 6 are expected to be allocated from the standard command space, with IETF documentation. The current intent as agreed with 3GPP is to develop a standards track application addressing the needs of AAA for SIP/SDP and encompassing the requirements of the cellular community.

3. Security Considerations

This document is not known to affect the security of the Internet.

4. Intellectual Property Statement

The IETF takes no position regarding the validity or scope of any intellectual property or other rights that might be claimed to pertain to the implementation or use of the technology described in this document or the extent to which any license under such rights might or might not be available; neither does it represent that it has made any effort to identify any such rights. Information on the IETF's procedures with respect to rights in standards-track and standards-related documentation can be found in [BCP-11](#). Copies of claims of rights made available for publication and any assurances of licenses to be made available, or the result of an attempt made to obtain a general license or permission for the use of such proprietary rights by implementors or users of this specification can be obtained from the IETF Secretariat.

The IETF invites any interested party to bring to its attention any copyrights, patents or patent applications, or other proprietary rights, which may cover technology that may be required to practice this standard. Please address the information to the IETF Executive Director [[2026](#)].

5. Acknowledgments

The author would like to thank Bernard Aboba, Randy Bush, Allison Mankin and Stephen Hayes.

6. References

6.1. Normative References

- [2026] Bradner, S., "The Internet Standards Process -- Revision 3", [BCP 9](#), [RFC 2026](#), October 1996.

6.2. Informative References

- [29.229] 3GPP TS 29.229 V5.1.0 (2002-09); Technical Specification; Technical Specification Group Core Network; Cx and Dx interfaces based on the Diameter protocol; Protocol details; (Release 5).
- [29.329] 3GPP TS 29.329 V5.1.0 (2002-09); Technical Specification; 3rd Generation Partnership Project; Technical Specification Group Core Network; Sh Interface based on the Diameter protocol; Protocol details; (Release 5)
- [DIAM] Calhoun, P., Loughney, J., Guttman, E., Zorn, G. and J. Arkko, "Diameter Base Protocol", [RFC 3588](#), September 2003.

7. Author's Address

John Loughney
Nokia
Itamerenkatu 11-13
00180 Helsinki
Finland

EMail: john.Loughney@Nokia.com

8. Full Copyright Statement

Copyright (C) The Internet Society (2003). All Rights Reserved.

This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing the copyright notice or references to the Internet Society or other Internet organizations, except as needed for the purpose of developing Internet standards in which case the procedures for copyrights defined in the Internet Standards process must be followed, or as required to translate it into languages other than English.

The limited permissions granted above are perpetual and will not be revoked by the Internet Society or its successors or assigns.

This document and the information contained herein is provided on an "AS IS" basis and THE INTERNET SOCIETY AND THE INTERNET ENGINEERING TASK FORCE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Acknowledgement

Funding for the RFC Editor function is currently provided by the Internet Society.