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

## Status of this Memo



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## 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

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## 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.

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## 8. Full Copyright Statement



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