

pmg2ceof

adi, telmich

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Contents

1 Introduction

This document specifies the commands send from **pmg** to and from **ceof**¹ to the **pmg**.

1.1 Changelog

1.1.1 v0.1

- Initial release

2 Commands

All commands are send as 4-Byte ASCII digits (for instance "0012"). There is no transfer of binary numbers between **ceof** and **pmg**. All answers and all numbers are ASCII-numbers. We **pmg commands** always begin with **0** ("0042" for instance), **answers** or **notifications** from **ceof** begin with **1** ("1023" for instance). After each command follows individual data. The second byte indicates the type of message:

- **0:** **pmg** messages
 - **00:** **pmg** (de-)initialisation
 - **01:** **pmg** success messages
 - **02:** **pmg** error messages

¹the central EOF-1 application

- **1: ceof** messages
 - **10: ceof** (de-)initialisation
 - **11: ceof** success messages
 - **12: ceof** error messages
 - **13: ceof** peer messages

2.1 0000: Register pmg

After the "0000" **pmg** directly appends two ASCII digits containing the version of the client to ceof protocol it speaks. This specification uses version "00". Answers from ceof:

- **1100:** success, you are connected
- **1200:** version not supported

2.2 0001: Deregister pmg

Pmg detected an internal error and has to exit. **Ceof** will restart it. Answers from ceof:

- **1101:** success, you are disconnected

2.3 1099: Exit

Answers from **pmg**:

- **0199:** Exiting
- **0223:** strange error (results in being killed -9)

2.4 1300: Add peer

After the **1300** follows

- a 128 byte "fixed length string" containing the peer name
- a 128 byte "fixed length string" containing the peer address

Answers from **pmg**:

- **0100:** peer added
- **0223:** strange error

2.5 1301: Get peer fingerprint

After the **1301** follows

- 128 byte ”‘fixed length string’” containing the name of the peer

Answers from **pmg**:

- **0100**: Success: fingerprint follows
 - 40 byte ”‘fixed length string’” containing the fingerprint
- **0200**: unknown peer
- **0223**: strange error

2.6 1302: Rename peer

After the **1302** follows

- 128 byte ”‘fixed length string’” containing the old name of the peer
- 128 byte ”‘fixed length string’” containing the new name of the peer

Answers from **pmg**:

- **0101**: success
- **0223**: strange error

2.7 1303: Get address of peer

After the **1303** follows

- 128 byte ”‘fixed length string’” containing the name of the peer

Answers from **pmg**:

- **0102**: success
 - 128 byte ”‘fixed length string’” containing the address
- **0200**: unknown peer
- **0223**: strange error