

# pmg2ceof

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## 1 Introduction

This document specifies the commands send from **pmg** to and from **ceof**<sup>1</sup> to the **pmg**.

### 1.1 Changelog

#### 1.1.1 v0.1 to v0.1.1

- Removed support for ”‘0001’”
  - No need to deregister on crash, **ceof** will restart you anyway.

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<sup>1</sup>the central EOF-1 application

- Changed protocol version to "01"

### 1.1.2 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
- **1: ceof** messages
  - **10: ceof** (de-)initialisation
  - **11: ceof** success messages
  - **12: ceof** error messages
  - **13: ceof** peer messages

### 2.1 Pmg commands

#### 2.1.1 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 "01". Answers from ceof:

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

## 2.2 Ceof commands

### 2.2.1 1099: Exit

Answers from **pmg**:

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

### 2.2.2 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

### 2.2.3 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

### 2.2.4 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

### 2.2.5 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