Mathematical Mesh 3.0 Part XII: Mesh Presence

Mesh Presence

<series>draft-hallambaker-mesh-presence

<status>informational

<stream>independent

<ipr>trust200902

<author>Phillip Hallam-Baker

<surname>Hallam-Baker

<initials>P. M.

<firstname>Phillip

<email>phill@hallambaker.com

<organization>Venture Cryptography.

<keyword>Threshold Cryptography

<keyword>Elliptic Curve

<keyword>Threshold Encryption

<keyword>Threshold Key Generation

<keyword>Notary

Discussion of this draft should take place on the MathMesh mailing list (mathmesh@ietf.org), which is archived at <https://mailarchive.ietf.org/arch/browse/mathmesh/>.

# Introduction

# Definitions

This section presents the related specifications and standard, the terms that are used as terms of art within the documents and the terms used as requirements language.

## Requirements Language

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in <norm="RFC2119"/>.

## Defined Terms

## Related Specifications

## Implementation Status

The implementation status of the reference code base is described in the companion document <info="draft-hallambaker-mesh-developer"/>.

# Presence Model

## Registration Service

### Connect

### Keep Alive

### Disconnect

### Invite

### Accept

## Forwarding Service

### Data

#### Push

#### Pull

### Administration

#### Rekey

#### Permission

### Service

#### Status

Returns the current status of the stream including the current participants and their ephemeral keys (if used).

#### Transfer

Instructs a specific participant to use a different set of service hosts for upload/download.

## Peer to Peer Service

# Security Considerations

# IANA Considerations

This document requires no IANA actions.

# Acknowledgements