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Mathematical Mesh Part IX: Considerations for use on Constrained Devices <u>draft-hallambaker-mesh-constrained-00</u>

#### Abstract

The Mathematical Mesh 'The Mesh' is an infrastructure that facilitates the exchange of configuration and credential data between multiple user devices and provides end-to-end security. This document describes the

This document is also available online at http://mathmesh.com/Documents/draft-hallambaker-mesh-constrained.html
[1]

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# 1. Introduction

### 2. 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.

#### **<u>2.1</u>**. 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 [RFC2119].

# 2.2. Defined Terms

The terms of art used in this document are described in the Mesh Architecture Guide [draft-hallambaker-mesh-architecture] .

#### 2.3. Related Specifications

The architecture of the Mathematical Mesh is described in the Mesh Architecture Guide [draft-hallambaker-mesh-architecture] . The Mesh documentation set and related specifications are described in this document.

# 2.4. Implementation Status

The implementation status of the reference code base is described in the companion document [draft-hallambaker-mesh-developer] .

## **<u>3</u>**. Security Considerations

The security considerations for use and implementation of Mesh services and applications are described in the Mesh Security Considerations guide [draft-hallambaker-mesh-security].

## **<u>4</u>**. IANA Considerations

All the IANA considerations for the Mesh documents are specified in this document

## **<u>5</u>**. Acknowledgements

Thanks are due to Viktor Dukhovni, Damian Weber and an anonymous member of the cryptography@metzdowd.com list for assisting in the compilation of the table of prime values.

# **<u>6</u>**. References

### <u>6.1</u>. Normative References

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", <u>BCP 14</u>, <u>RFC 2119</u>, DOI 10.17487/RFC2119, March 1997.

# <u>6.2</u>. Informative References

[draft-hallambaker-mesh-architecture]

Hallam-Baker, P., "Mathematical Mesh Part I: Architecture Guide", <u>draft-hallambaker-mesh-architecture-06</u> (work in progress), August 2018.

[draft-hallambaker-mesh-developer]

Hallam-Baker, P., "Mathematical Mesh: Reference Implementation", <u>draft-hallambaker-mesh-developer-07</u> (work in progress), April 2018.

# <u>6.3</u>. URIs

[1] <a href="http://mathmesh.com/Documents/draft-hallambaker-mesh-">http://mathmesh.com/Documents/draft-hallambaker-mesh-</a> constrained.html

# Author's Address

- Phillip Hallam-Baker
- Email: phill@hallambaker.com