Local and Remote Signature Profile for OASIS Digital Signature Services Version 2.0

Working Draft 01

13 August 2018

Technical Committee:

[OASIS Digital Signature Services eXtended (DSS-X) TC](https://www.oasis-open.org/committees/dss-x/)

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* XML schemas: (list file names or directory name)
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Related work:

This specification replaces or supersedes:

* Specifications replaced by this specification (hyperlink, if available)

This specification is related to:

* *Digital Signature Service Core Protocols, Elements, and Bindings Version 1.0*. Edited by Stefan Drees. 11 April 2007. OASIS Standard. <http://docs.oasis-open.org/dss/v1.0/oasis-dss-core-spec-v1.0-os.html>.

Declared XML namespaces:

* <http://docs.oasis-open.org/dss-x/ns/profile/localremotesig>

Abstract:

This document defines a protocol and processing profile of the DSS Signing Protocol specified in [DSS Core 2], which allows to perform both local signature generation using conventional Qualified electronic Signature Creation Devices (QSCD) attached to the local system of the signatory as well as remote signature generation using a QSCD according to CEN EN 419 241.

Status:

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Table of Contents

[1 Introduction 4](#_Toc519870667)

[1.1 IPR Policy 4](#_Toc519870668)

[1.2 Terminology 4](#_Toc519870669)

[1.3 Normative References 4](#_Toc519870670)

[1.4 Non-Normative References 4](#_Toc519870671)

[2 Section Title 6](#_Toc519870672)

[2.1 Level 2 section title 6](#_Toc519870673)

[2.1.1 Level 3 section title 6](#_Toc519870674)

[2.1.1.1 Level 4 section title 6](#_Toc519870675)

[2.1.1.1.1 Level 5 6](#_Toc519870676)

[2.1.1.1.1.1 Level 6 6](#_Toc519870677)

[3 Security Considerations 7](#_Toc519870678)

[4 Conformance 8](#_Toc519870679)

[Appendix A. Acknowledgments 9](#_Toc519870680)

[Appendix B. Example Title 10](#_Toc519870681)

[B.1 Subsidiary section 10](#_Toc519870682)

[B.1.1 Sub-subsidiary section 10](#_Toc519870683)

[B.1.1.1 Sub-sub-subsidiary section 10](#_Toc519870684)

[B.1.1.1.1 Sub-sub-sub-subsidiary section 10](#_Toc519870685)

[Appendix C. Revision History 11](#_Toc519870686)

# Introduction

[All text is normative unless otherwise labeled]

## IPR Policy

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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](#RFC2119)] and [[RFC8174](#RFC8174)] when, and only when, they appear in all capitals, as shown here.

## Normative References

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, DOI 10.17487/RFC2119, March 1997, <<http://www.rfc-editor.org/info/rfc2119>>.

**[****RFC8174]** Leiba, B., "Ambiguity of Uppercase vs Lowercase in RFC 2119 Key Words", BCP 14, RFC 8174, DOI 10.17487/RFC8174, May 2017, <<http://www.rfc-editor.org/info/rfc8174>>.

[Reference] [Full reference citation]

## Non-Normative References

**[****RFC3552]** Rescorla, E. and B. Korver, "Guidelines for Writing RFC Text on Security Considerations", BCP 72, RFC 3552, DOI 10.17487/RFC3552, July 2003, <<https://www.rfc-editor.org/info/rfc3552>>.

[Reference] [Full reference citation]

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For example:

**[OpenDoc-1.2]** *Open Document Format for Office Applications (OpenDocument) Version 1.2*. Edited by Patrick Durusau and Michael Brauer. 19 January 2011. OASIS Committee Specification Draft 07. <http://docs.oasis-open.org/office/v1.2/csd07/OpenDocument-v1.2-csd07.html>. Latest version: <http://docs.oasis-open.org/office/v1.2/OpenDocument-v1.2.html>.

*Reference sources:*

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# Section Title

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##### Level 5

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###### Level 6

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# Security Considerations

(**Note:** OASIS strongly recommends that Technical Committees consider issues that could affect security when implementing their specification and document them for implementers and adopters. For some purposes, you may find it required, e.g. if you apply for IANA registration.

While it may not be immediately obvious how your specification might make systems vulnerable to attack, most specifications, because they involve communications between systems, message formats, or system settings, open potential channels for exploit. For example, IETF [[RFC3552](#RFC3552)] lists “eavesdropping, replay, message insertion, deletion, modification, and man-in-the-middle” as well as potential denial of service attacks as threats that must be considered and, if appropriate, addressed in IETF RFCs.

In addition to considering and describing foreseeable risks, this section should include guidance on how implementers and adopters can protect against these risks

We encourage editors and TC members concerned with this subject to read *Guidelines for Writing RFC Text on Security Considerations,* IETF [[RFC3552](#RFC3552)], for more information.)

# Conformance

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See "Guidelines to Writing Conformance Clauses":   
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(**Note:** A Work Product approved by the TC must include a list of people who participated in the development of the Work Product. This is generally done by collecting the list of names in this appendix. This list shall be initially compiled by the Chair, and any Member of the TC may add or remove their names from the list by request.

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The following individuals have participated in the creation of this specification and are gratefully acknowledged:

Participants:

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1. Example Title

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* 1. Subsidiary section

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1. Revision History

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| --- | --- | --- | --- |
| **Revision** | **Date** | **Editor** | **Changes Made** |
| [Rev number] | [Rev Date] | [Modified By] | [Summary of Changes] |