

# **DSS Extension for Local Signature Computation V1.0 CS02 published by DSS-X TC**

Submitted by censign on Wed, 2017-03-15 18:05

**Type:**

TC Administration announcements

OASIS is pleased to announce the approval and publication of a new Committee Specification by the members of the OASIS Digital Signature Services eXtended (DSS-X) TC:

DSS Extension for Local Signature Computation Version 1.0  
Committee Specification 02  
06 March 2017

What is the Extension for Local Signature Computation v1.0 and why is it important?

The core OASIS Digital Signature Service webservice supports the creation of signatures on behalf of applications and / or users by utilizing server-based signature keys.

This Local Signature Computation profile extends the core functionality such that end users can bring (use) their own (secure) signature-creation device. Examples of such devices are smartcards or usb-tokens but also smartphones, mobile phones, tablets, pc's or laptops with privately held signature keys.

Three solutions are presented to support the varying capabilities of applications and different use cases.

The first solution is useful for web-applications where web browsers can access the (secure) signature-creation device that is available at the desktop (e.g. a smartcard connected via USB).

The second solution is useful for applications that can access the (secure) signature-creation device themselves, for instance desktop applications or smartphone apps.

The third solution is useful for any application where the (secure) signature-creation device can only be accessed via a separate channel, for instance a mobile device, through a third-party.

This is an OASIS deliverable, completed and approved by the TC and fully ready for testing and implementation.

TC Description:

The DSS-X TC is developing new profiles of the existing OASIS Digital Signature Services core protocol "Digital Signature Service Core Protocols, Elements, and Bindings Version 1.0" and is maintaining this

specification and its existing profiles. If at a later date it becomes clear that a new version of DSS is necessary then this may be produced by the TC.

DSS-X is also working on promotion of the standard and the creation of material helping dissemination. In general terms, the TC has the goal to facilitate the processing of digital signatures and time stamps in a client server environment.

The DSS-X TC is a member of the IDtrust Member Section.

URIs:

The prose specifications and related files are available here:

HTML (Authoritative):

<http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/localsig-v1.0-cs02.html> [1]

Editable source:

<http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/localsig-v1.0-cs02.xml> [2]

PDF:

<http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/localsig-v1.0-cs02.pdf> [3]

XML schemas:

<http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/schemas/> [4]

Distribution ZIP file

For your convenience, OASIS provides a complete package of the prose specification and related files in a ZIP distribution file. You can download the ZIP file here:

<http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/localsig-v1.0-cs02.zip> [5]

Members of the DSS-X TC [1] approved this specification by Special Majority Vote. The specification had been released for public review as required by the TC Process [2]. The vote to approve as a Committee Specification passed [3], and the document is now available online in the OASIS Library as referenced above.

Our congratulations to the TC on achieving this milestone and our thanks to the reviewers who provided feedback on the specification drafts to help improve the quality of the work.

===== Additional references:

[1] OASIS Digital Signature Services eXtended (DSS-X) TC

<https://www.oasis-open.org/committees/dss-x/> [6]

[2] Public reviews:

- 30 day public review, 11 February 2014:

<https://lists.oasis-open.org/archives/tc-announce/201402/msg00004.html> [7]

- Comment resolution log:

<http://docs.oasis-open.org/dss-x/localsig/v1.0/csprd01/localsig-v1.0-csp...> [8]

- 15-day public review, 31 October 2014:

<https://lists.oasis-open.org/archives/dss-x/201410/msg00015.html> [9]

- Comment resolution log:

<http://docs.oasis-open.org/dss-x/localsig/v1.0/csprd02/localsig-v1.0-csp...>

[10]

[3] Approval ballot:

<https://www.oasis-open.org/committees/ballot.php?id=3042> [11]

List of Non-Material Changes to the specification: <http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/localsig-v1.0-cs02-1...> [12]

**Associated TC:**

Digital Signature Services eXtended (DSS-X)

**Associated MS:**

IDtrust

**Deadline:**

Wed, 2017-03-15 - Sat, 2017-04-15

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**Links:**

[1] <http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/localsig-v1.0-cs02.html>

[2] <http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/localsig-v1.0-cs02.xml>

[3] <http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/localsig-v1.0-cs02.pdf>

[4] <http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/schemas/>

[5] <http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/localsig-v1.0-cs02.zip>

[6] <https://www.oasis-open.org/committees/dss-x/>

[7] <https://lists.oasis-open.org/archives/tc-announce/201402/msg00004.html>

[8] <http://docs.oasis-open.org/dss-x/localsig/v1.0/csprd01/localsig-v1.0-csprd01-comment-resolution-log.doc>

[9] <https://lists.oasis-open.org/archives/dss-x/201410/msg00015.html>

[10] <http://docs.oasis-open.org/dss-x/localsig/v1.0/csprd02/localsig-v1.0-csprd02-comment-resolution-log.txt>

[11] <https://www.oasis-open.org/committees/ballot.php?id=3042>

[12] <http://docs.oasis-open.org/dss-x/localsig/v1.0/cs02/localsig-v1.0-cs02-list-of-changes.pdf>