WS-SecureConversation 1.3 Errata

Committee Draft 02

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Related work:
This specification errata is related to WS-SecureConversation v1.3.

Abstract:
This document lists errata for **WS-SecureConversation 1.3 OASIS Standard** [WS-SecureConversation] produced by the WS-SX Technical Committee. The standard was approved by the OASIS membership on 1 March 2007.

Status:
This document was last revised or approved by the WS-SX TC on the above date. The level of approval is also listed above. Check the “Latest Approved Version” location noted above for possible later revisions of this document.

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1 Issues Addressed

The following issues related to WS-SecurityConversation 1.3 as recorded in the [WS-SX Issues] have been addressed in this document.

Issue	Description
ER003	Clarification of policy usage for derived keys in SC
ER015	Change key to crucial in SC
ER013	Review normative RFC 2119 language in WS-SecureConversation
ER017	Conflict Nonce reuse description in the current WS-SC 1.3
i150	Add conformance statements to new versions of Trust/SC/SP
i152	Update policy references to 1.5 for SC, Trust and SP
i170	Update XML Signature references to refer to XML Signature, Second Edition, update c14n reference in ws-trust

2 Typographical/Editorial Errors

2.1 Normative language capitalization changes

The following changes do not affect the normative meaning of the text, they are only to properly capitalize 2119 terms. The changes listed below document the changes as they appear in the text. There were many instances of the terms OPTIONAL and REQUIRED in the schema exemplar descriptions that appeared un-capitalized that are not captured below but that have also been addressed. All other 2119 terms that remain un-capitalized are used in their English sense.

Line 236

If a token provides multiple keys then specific bindings and profiles MUST describe how to reference the separate keys

Line 356

In order for the security token service to process this request it MUST have prior knowledge for which Web Service the requestor needs a token

Line 612

the requestor is REQUIRED to re-authenticate the original claims in every renewal request

Line 757

Using a common secret, parties MAY define different key derivations to use.

Line 758

In order to keep the keys fresh (prevent providing too much data for analysis), subsequent derivations MAY be used

Line 784

The nonce seed is REQUIRED

Line 802

When a new key is required, a new <wsc:DerivedKeyToken> MAY be passed referencing the previously generated key

Line 843

then a fault such as wsc:UnknownDerivationSource SHOULD be raised.

2.2 Section 1

Removed lines 17 – 19 (to new section 1.8)

Compliant services are NOT REQUIRED to implement everything defined in this specification. However, if a service implements an aspect of the specification, it MUST comply with the requirements specified (e.g. related "MUST" statements).

2.3 Section 1.6

Line150 changed

[WS-Trust] OASIS Committee Draft, “WS-Trust 1.3”, September 2006
http://docs.oasis-open.org/ws-sx/ws-trust/200512

to

[WS-Trust] OASIS Standard, “WS-Trust 1.3”, 2007

Line163 changed

http://www.w3.org/TR/2002/REC-xmlenc-core-20021210/

to

http://www.w3.org/TR/2002/REC-xmldsig-core-20020212/

Inserted after line 163

W3C Recommendation, D. Eastlake et al. (Second Edition). 10 June 2008.
http://www.w3.org/TR/2008/REC-xmldsig-core-20080610/

2.4 Section 1.7

Line 168 changed

[WS-Policy] W3C Member Submission, "Web Services Policy 1.2 - Framework", 25 April 2006.
http://www.w3.org/Submission/2006/SUBM-WS-Policy-20060425/

[WS-PolicyAttachment] W3C Member Submission, "Web Services Policy 1.2 - Attachment" , 25 April 2006.
http://www.w3.org/Submission/2006/SUBM-WS-PolicyAttachment-20060425/

To

[WS-SecurityPolicy] OASIS Standard, “WS-SecurityPolicy 1.2”, 2007
http://docs.oasis-open.org/ws-sx/ws-securitypolicy/200702

2.5 Section 2 Secure Context Token (SCT)

Line 230 changed

The behavior is specified by the services policy [WS-Policy] [WS-PolicyAttachment]

to

The behavior is specified by the services policy [WS-SecurityPolicy]

2.6 Section 4 Amending Contexts

Line 537 changed

the message body and key headers using the key associated with the security context

to
the message body and crucial headers using the key associated with the security context

2.7 Section 5 Renewing Contexts

Line 617 changed
over the signature that signs message body and key headers
to
over the signature that signs message body and crucial headers

2.8 Section 6 Canceling Contexts

Line 696 changed
body and key headers using the key associated with the security context
to
body and crucial headers using the key associated with the security context

2.9 Section 7 Deriving Keys

Lines 780-781 changed
If either isn't specified in the policy,
to
If additional information is not specified as explicit elements,

2.10 Section 7.1 Syntax

Line 892 changed
If additional information is not specified (such as explicit elements or policy),
to
If additional information is not specified as explicit elements,

2.11 Section 8 Associating a Security Context

Line 1064 changed
...signature over body and key headers using #sct1...
to
...signature over body and crucial headers using #sct1...
Line 1070 changed
...signature over body and key headers using #sct2...
to
...signature over body and crucial headers using #sct2...

3 Normative Errors

3.1 Section 7.1 Syntax

There are not any cryptographic reasons that the nonce should be reused, this was an editorial mistake in the normative language used.

Line 890 changed

the same nonce SHOULD be used for all subsequent derivations

to

the same nonce SHOULD NOT be used for all subsequent derivations

4 References

[WS-SX Issues] WS-SX TC Issues List
http://docs.oasis-open.org/ws-sx/issues/Issues.xml

[WS-SecureConversation] OASIS Standard, “WS-SecureConversation 1.3", July 2007
http://docs.oasis-open.org/ws-sx/ws-secureconversation/200512

Appendix A. Acknowledgements

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