



SAML V2.0 Metadata Extensions for Registration and Publication Information Version 1.0

Committee Specification Draft ~~012~~ /
Public Review Draft ~~0102~~

~~26 July 2011~~

10 January 2012

Specification URIs:

This version:

<http://docs.oasis-open.org/security/saml/Post2.0/saml-metadata-rpi/v1.0/csprd02/saml-metadata-rpi-v1.0-csprd02.odt> ~~N/A~~

(Authoritative)

<http://docs.oasis-open.org/security/saml/Post2.0/saml-metadata-rpi/v1.0/csprd02/saml-metadata-rpi-v1.0-csprd02.html>

<http://docs.oasis-open.org/security/saml/Post2.0/saml-metadata-rpi/v1.0/csprd02/saml-metadata-rpi-v1.0-csprd02.pdf>

Previous version:

<http://www.oasis-open.org/committees/download.php/43729/saml-metadata-rpi-v1.0-csprd01.zip>
~~N/A~~

Latest version:

<http://docs.oasis-open.org/security/saml/Post2.0/saml-metadata-rpi/v1.0/saml-metadata-rpi-v1.0.odt> ~~N/A~~

(Authoritative)

<http://docs.oasis-open.org/security/saml/Post2.0/saml-metadata-rpi/v1.0/saml-metadata-rpi-v1.0.html>

<http://docs.oasis-open.org/security/saml/Post2.0/saml-metadata-rpi/v1.0/saml-metadata-rpi-v1.0.pdf>

Technical Committee:

OASIS Security Services (SAML) TC

Chairs:

Thomas Hardjono (hardjono@mit.edu), M.I.T.

Nate Klingenstein (ndk@internet2.edu), Internet2

Editor:

Chad La Joie (lajoie@itumi.biz), Internet2

Additional artifacts:

[This prose specification is one component of a Work Product which also includes:](#)

- **XML schema:** <http://docs.oasis-open.org/security/saml/Post2.0/saml-metadata-rpi/v1.0/csprd02/xsd/>

Related work:

This specification defines extensions for use with:

- [Metadata for the OASIS Security Assertion Markup Language \(SAML\) V2.0. March 2005. OASIS Standard.](http://docs.oasis-open.org/security/saml/v2.0/saml-metadata-2.0-os.pdf) <http://docs.oasis-open.org/security/saml/v2.0/saml-metadata-2.0-os.pdf>.

Declared XML namespaces:

- urn:oasis:names:tc:SAML:metadata:rpi

Abstract:

This document defines a set of extensions to SAML metadata that provide information about the creation and intended usage of the metadata document and information about who and how particular entities were registered.

Status:

This document was last revised or approved by the OASIS Security Services ([SAML](#)) TC on the above date. The level of approval is also listed above. Check the “Latest version” location noted above for possible later revisions of this document.

Technical Committee members should send comments on this [specificationWork Product](#) to the Technical Committee’s email list. Others should send comments to the Technical Committee by using the “[Send A Comment](#)” button on the Technical Committee’s web page at <http://www.oasis-open.org/committees/security/>.

For information on whether any patents have been disclosed that may be essential to implementing this [specificationWork Product](#), and any offers of patent licensing terms, please refer to the Intellectual Property Rights section of the Technical Committee web page (<http://www.oasis-open.org/committees/security/ipr.php>).

Citation format:

When referencing this [specificationWork Product](#) the following citation format should be used:

[SAML-Metadata-RPI-v1.0]

SAML V2.0 Metadata Extensions for Registration and Publication Information Version 1. ~~26 July 2011-0.~~ 10 January 2012. OASIS Committee Specification [Draft 02 / Public Review Draft 01-02.](#) <http://docs.oasis-open.org/security/saml/Post2.0/saml-metadata-rpi/v1.0/csprd02/saml-metadata-rpi-v1.0-csprd02.html>

Notices

Copyright © OASIS Open 2014². All Rights Reserved.

All capitalized terms in the following text have the meanings assigned to them in the OASIS Intellectual Property Rights Policy (the "OASIS IPR Policy"). The full [Policy](#) may be found at the OASIS website.

This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published, and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this section are included on all such copies and derivative works. However, this document itself may not be modified in any way, including by removing the copyright notice or references to OASIS, except as needed for the purpose of developing any document or deliverable produced by an OASIS Technical Committee (in which case the rules applicable to copyrights, as set forth in the OASIS IPR Policy, must be followed) or as required to translate it into languages other than English.

The limited permissions granted above are perpetual and will not be revoked by OASIS or its successors or assigns.

This document and the information contained herein is provided on an "AS IS" basis and OASIS DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY OWNERSHIP RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

OASIS requests that any OASIS Party or any other party that believes it has patent claims that would necessarily be infringed by implementations of this OASIS Committee Specification or OASIS Standard, to notify OASIS TC Administrator and provide an indication of its willingness to grant patent licenses to such patent claims in a manner consistent with the IPR Mode of the OASIS Technical Committee that produced this specification.

OASIS invites any party to contact the OASIS TC Administrator if it is aware of a claim of ownership of any patent claims that would necessarily be infringed by implementations of this specification by a patent holder that is not willing to provide a license to such patent claims in a manner consistent with the IPR Mode of the OASIS Technical Committee that produced this specification. OASIS may include such claims on its website, but disclaims any obligation to do so.

OASIS takes no position regarding the validity or scope of any intellectual property or other rights that might be claimed to pertain to the implementation or use of the technology described in this document or the extent to which any license under such rights might or might not be available; neither does it represent that it has made any effort to identify any such rights. Information on OASIS' procedures with respect to rights in any document or deliverable produced by an OASIS Technical Committee can be found on the OASIS website. Copies of claims of rights made available for publication and any assurances of licenses to be made available, or the result of an attempt made to obtain a general license or permission for the use of such proprietary rights by implementers or users of this OASIS Committee Specification or OASIS Standard, can be obtained from the OASIS TC Administrator. OASIS makes no representation that any information or list of intellectual property rights will at any time be complete, or that any claims in such list are, in fact, Essential Claims.

The name "OASIS" is a trademark of [OASIS](#), the owner and developer of this specification, and should be used only to refer to the organization and its official outputs. OASIS welcomes reference to, and implementation and use of, specifications, while reserving the right to enforce its marks against misleading uses. Please see <http://www.oasis-open.org/who/trademark.php> for above guidance.

Table of Contents

1	Introduction	5
1.1	Terminology and Notation.....	5
1.2	Normative References	5
2	Metadata Extensions for Registration and Publication Information	7
2.1	Registration Information.....	7
2.1.1	Element <mdrpi:RegistrationInfo>.....	7
2.1.2	Element <mdrpi:RegistrationPolicy>	8
2.2	Publication Information	8
2.2.1	Element <mdrpi:PublicationInfo>	8
2.2.2	Element <mdrpi:UsagePolicy>	9
2.3	Publication Path.....	9
2.3.1	Element <mdrpi:PublicationPath>	9
2.3.2	Element <mdrpi:Publication>	10
2.4	Example.....	10
3	Conformance.....	12
3.1	SAML V2.0 Metadata Extensions for Registration and Publication Information Version 1.0	12
Appendix A	Acknowledgments	13
Appendix B	Revision History.....	14

4.1 Introduction

SAML Metadata [SAML2Meta] provides a mechanism for describing the information necessary for various SAML actors to interact. However, it does not provide basic information which may facilitate the business processes surrounding the production, consumption or use of metadata. For example, when a metadata document was created, when an entity was first registered, etc.

The extensions defined in this document are informed by the common registration/publication model found in other network architectures (e.g., DNS, PKI). In this case the registrar is an organization that accepts metadata for a particular entity and vouches for some, or all, of the data contained therein. The publisher is responsible for making information, collected from registrars or other publishers, available, hopefully in a scalable manner, to interested consumers.

4.1.1.1 Terminology and Notation

The keywords "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this specification are to be interpreted as described in IETF RFC 2119 [RFC 2119].

Conventional XML namespace prefixes are used throughout the listings in this specification to stand for their respective namespaces as follows, whether or not a namespace declaration is present in the example:

Prefix	XML Namespace	Comments
saml:	urn:oasis:names:tc:SAML:2.0:assertion	This is the SAML V2.0 assertion namespace defined in the SAML V2.0 core specification [SAML2Errata].
md:	urn:oasis:names:tc:SAML:2.0:metadata	This is the SAML V2.0 metadata namespace defined in the SAML V2.0 metadata specification [SAML2Meta].
mdr- pi:	urn:oasis:names:tc:SAML:metadata:rpi	The namespace defined by this document.
xsd:	http://www.w3.org/2001/XMLSchema	This namespace is defined in the W3C XML Schema specification [Schema1]. In schema listings, this is the default namespace and no prefix is shown.
xsi:	http://www.w3.org/2001/XMLSchema-instance	This is the XML Schema namespace for schema-related markup that appears in XML instances [Schema1].

This specification uses the following typographical conventions in text: <ns:Element>, Attribute, Datatype, OtherCode.

This specification uses the following typographical conventions in XML listings:

```
Listings of XML schemas appear like this.
```

```
Listings of XML examples appear like this. These listings are non-normative.
```

4.2.1.2 Normative References

- [RFC 2119] S. Bradner. *Key words for use in RFCs to Indicate Requirement Levels*. IETF RFC 2119, March 1997. <http://www.ietf.org/rfc/rfc2119.txt>.
- [SAML2Errata] OASIS Approved Errata, *SAML V2.0 Errata*, October 2009. <http://docs.oasis-open.org/security/saml/v2.0/sstc-saml-approved-errata-2.0.pdf>.
- [SAML2Meta] OASIS Standard, *Metadata for the OASIS Security Assertion Markup Language (SAML) V2.0*. March 2005. <http://docs.oasis-open.org/security/saml/v2.0/saml-metadata-2.0-os.pdf>.
- [Schema1] H. S. Thompson et al. *XML Schema Part 1: Structures*. World Wide Web Consortium Recommendation, May 2001. See <http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/>.

[Schema2]

Paul V. Biron, Ashok Malhotra. *XML Schema Part 2: Datatypes*. World Wide Web Consortium Recommendation, May 2001. See <http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>.

22 Metadata Extensions for Registration and 26 Publication Information

27 2.12.1 Registration Information

28 The registration information extension is used to provide information about the registrar of an entity. That
29 is, the entity that took in SAML metadata, verified the metadata according to its registration policy, and
30 made the information available to a wider audience. The entity registrar can be thought of as similar to a
31 DNS registrar.

32 The `<mdrpi:RegistrationInfo>` container element, defined below, MUST appear within the
33 `<md:Extensions>` element of `<md:EntityDescriptor>` or `<md:EntitiesDescriptor>` elements.
34 The use of `<mdrpi:RegistrationInfo>`, or any other element defined in this section, outside of that
35 context is not defined by this specification.

36 The `<mdrpi:RegistrationInfo>` element MUST NOT appear more than once within the
37 `<md:Extensions>` element of a given `<md:EntitiesDescriptor>` or `<md:EntityDescriptor>`
38 element.

39 When a `<mdrpi:RegistrationInfo>` element appears in the `<md:Extensions>` element of a
40 `<md:EntitiesDescriptor>` element it applies to all descendant `<md:EntitiesDescriptor>` and
41 `<md:EntityDescriptor>` elements. That is to say, this is equivalent to putting an identical `<mdr-`
42 `pi:RegistrationInfo>` on every descendant `<md:EntityDescriptor>`. When used in this man-
43 ner, descendant `<md:EntitiesDescriptor>` and `<md:EntityDescriptor>` elements MUST NOT
44 contain a `<mdrpi:RegistrationInfo>` element in their `<md:Extensions>` element.

45 2.1.12.1.1 Element `<mdrpi:RegistrationInfo>`

46 The `<mdrpi:RegistrationInfo>` contains information that describes the registrar of an entity.

47 `registrationAuthority` [Required]

48 The unique identifier of the authority that registered the entity. It is RECOMMENDED that this be
49 a URL that resolves to a human readable page describing the registrar authority (e.g., the
50 registrar's home page).

51 `registrationInstant` [Optional]

52 The instant the entity was registered with the authority. This attribute SHOULD be populated for
53 all newly registered entities but is optional because the registration instant may not have been
54 tracked, by the registrar, for existing entities.

55 Time values MUST be expressed in the UTC timezone using the 'Z' timezone identifier.

56 `<mdrpi:RegistrationPolicy>` [Optional]

57 The policy under which the entity was registered. The lack of this element indicates that the
58 registrar has not disclosed its registration policy. It does not indicate that the registrar lacks a
59 registration policy.

60 There MUST NOT be more than one `<mdrpi:RegistrationPolicy>`, within a given
61 `<mdrpi:RegistrationInfo>`, for a given language.

```
62 <element name="RegistrationInfo" type="mdrpi:RegistrationInfoType" />  
63 <complexType name="RegistrationInfoType">  
64   <sequence>  
65     <element ref="mdrpi:RegistrationPolicy" minOccurs="0"  
66       maxOccurs="unbounded" />  
67     <any namespace="##other" processContents="lax"/> minOccurs="0"
```

```

68 |         maxOccurs="unbounded" />
69 |     </sequence>
70 |     <attribute name="registrationAuthority" type="anyURIstring"
71 | use="required"/> />
72 |     <attribute name="registrationInstant" type="dateTime" />
73 |     <anyAttribute namespace="##other" processContents="lax" />
74 | </complexType>

```

2.1.22.1.2 Element <mdrpi:RegistrationPolicy>

The <mdrpi:RegistrationPolicy> element is a URL to ~~the~~ localized registration policy of the registrar. The URL MUST represent a single, immutable, policy document. Any changes made to an existing policy document MUST result in a new URL. The URL SHOULD resolve to a human readable form of the policy document for the entire period in which the policy may be in use.

```
<element name="RegistrationPolicy" type="md:localizedURIType" />
```

2.22.2 Publication Information

The publication information extension provides information that helps uniquely identify a specific publication of metadata and provide some information about its intended use. The ability to uniquely identify a particular publication can be very helpful in troubleshooting issues as well as facilitating the identification of the path a particular bit of metadata took before it arrived at a consumer (see section 2.3).

The <mdrpi:PublicationInfo> element, defined below, MUST appear within the <md:Extensions> element of either <md:EntitiesDescriptor> or <md:EntityDescriptor> elements. The use of <mdrpi:PublicationInfo>, or any other element defined in this section, outside of that context is not defined by this specification.

The <mdrpi:PublicationInfo> element SHOULD only be used on the root element of a metadata document.

The <mdrpi:PublicationInfo> element MUST NOT appear more than once within the <md:Extensions> element of a given <md:EntitiesDescriptor> or <md:EntityDescriptor> element.

2.2.12.2.1 Element <mdrpi:PublicationInfo>

The <mdrpi:PublicationInfo> element contains information which pertains to the publication of a metadata document. Within a given <mdrpi:PublicationInfo> either the creationInstant or publicationId element SHOULD be present.

publisher [Required]

A unique identifier for the publisher of the metadata. This may be the location from which the metadata was retrieved, an abstract identifier such as a SAML entity ID, or some other unique identifier for the publisher.

creationInstant [Optional]

The instant the metadata publication was created. Creation is loosely defined as the moment the metadata publication is ready for consumption by external processes. This may, for example, correspond to the time a document is signed.

Time values MUST be expressed in the UTC timezone using the 'Z' timezone identifier.

publicationId [Optional]

A unique, publisher-specific, identifier for this metadata publication. This identifier MAY change independently of the ID attribute found on <md:EntitiesDescriptor> and <md:EntityDescriptor> elements. For example, if a metadata document is auto-generated, the ID attribute might change upon each generation but the publicationId might only change if a particular set of data ~~of~~ changes.

The publicationId MUST be considered an opaque string.

115 <mdrpi:UsagePolicy> [Optional]
116 A description of the intended usage for the metadata document. The lack of this element
117 indicates that the publisher has not disclosed its usage policy. It does not indicate that the
118 publisher lacks a usage policy.

119 There MUST NOT be more than one <mdrpi:UsagePolicy>, within a given
120 <mdrpi:PublicationInfo>, for a given language.

```
121 <element name="PublicationInfo" type="mdrpi:PublicationInfoType" />  
122 <complexType name="PublicationInfoType">  
123   <sequence>  
124     <element ref="mdrpi:UsagePolicy" minOccurs="0"  
125       maxOccurs="unbounded"/>  
126     <any namespace="##other" processContents="lax" minOccurs="0"  
127       maxOccurs="unbounded" />  
128   </sequence>  
129   <attribute name="publisher" type="string" use="required" />  
130   <attribute name="creationInstant" type="dateTime" />  
131   <attribute name="publicationId" type="string" />  
132   <anyAttribute namespace="##other" processContents="lax" />  
133 </complexType>
```

134 **2.2.22.2.2** Element <mdrpi:UsagePolicy>

135 The <mdrpi:UsagePolicy> element is a URL to a localized description of the intended usage of this
136 metadata publication. The URL MUST represent a single, immutable, policy document. Any changes
137 made to an existing policy document MUST result in a new URL. The URL SHOULD resolve to a human
138 readable form of the policy document for the entire period in which the policy may be in use.

```
139 <element name="UsagePolicy" type="md:localizedURIType" />
```

140 **2.32.3** Publication Path

141 In some cases, a metadata document may be published by something other than the original registrar
142 (e.g., a metadata lookup service or an aggregator that assembled a new document from a number of oth-
143 er documents). In such cases it can be helpful to know the path the <md:EntitiesDescriptor> or
144 <md:EntityDescriptor> elements took before being included in the consumed document. The
145 <mdrpi:PublicationPath>, defined below, provides a way of expressing this.

146 The <mdrpi:PublicationPath> element MUST appear within the <md:Extensions> element of
147 either <md:EntitiesDescriptor> or <md:EntityDescriptor> elements. The use of <mdr-
148 pi:PublicationPath>, or any other element defined in this section, outside of that context is not de-
149 fined by this specification.

150 The <mdrpi:PublicationPath> element MUST NOT appear more than once within the
151 <md:Extensions> element of a given <md:EntitiesDescriptor> or <md:EntityDescriptor>
152 element.

153 When a <mdrpi:PublicationPath> element appears in the <md:Extensions> element of a
154 <md:EntitiesDescriptor> element it applies to all descendant <md:EntitiesDescriptor> and
155 <md:EntityDescriptor> elements. That is to say, this is equivalent to putting an identical <mdr-
156 pi:PublicationPath> on every descendant <md:EntitiesDescriptor> and
157 <md:EntityDescriptor>. When used in this manner, descendant <md:EntitiesDescriptor>
158 and <md:EntityDescriptor> elements MUST NOT contain a <mdrpi:PublicationPath> element
159 in their <md:Extensions> element.

160 **2.3.12.3.1** Element <mdrpi:PublicationPath>

161 The <mdrpi:PublicationPath> element provides a record of the publication path, from current publi-
162 cation to initial publication, for the <md:EntitiesDescriptor> or <md:EntityDescriptor> element
163 on which it resides.

164 Each contained <mdrpi:Publication> element represents one step in the publication path. The list of
165 <mdrpi:Publication> elements is ordered from most recent, excluding the current publication, to
166 least recent (the initial source publication).

167 For example, assume the current publication is PubC. Further assume that an
168 <md:EntityDescriptor> in PubC was retrieved from PubB which itself received the
169 <md:EntityDescriptor> from PubA. In such a situation the publication path for that entity descriptor
170 would be PubB, PubA.

171 <mdrpi:Publication> [zero or more]

172 The publication from which the <md:EntityDescriptor> or <md:EntitiesDescriptor>, to
173 which this extension is applied, was retrieved. The lack of this element indicates that the
174 publisher has not disclosed the source from which it has acquired the containing
175 <md:EntitiesDescriptor> or <md:EntityDescriptor>.

```
176 <element name="PublicationPath" type="mdrpi:PublicationPathType" />  
177 <complexType name="PublicationPathType">  
178 <sequence>  
179 <element ref="mdrpi:Publication" minOccurs="0" maxOccurs="unbounded" />  
180 </sequence>  
181 </complexType>
```

182 **2.3.22.3.2 Element <mdrpi:Publication>**

183 The <mdrpi:Publication> element identifies a metadata publication that was incorporated, in full or in
184 part, in to the metadata document containing this extension.

185 publisher [Required]

186 The publisher value of the <mdrpi:PublicationInfo> found on the root element of the
187 document containing the republished <md:EntitiesDescriptor> or
188 <md:EntityDescriptor> elements.

189 creationInstant [Optional]

190 The creationInstant value of the <mdrpi:PublicationInfo> found on the root element
191 of the document containing the republished <md:EntitiesDescriptor> or
192 <md:EntityDescriptor> elements.

193 publicationId [Optional]

194 The publicationId value of the <mdrpi:PublicationInfo> found on the root element of
195 the document containing the republished <md:EntitiesDescriptor> or
196 <md:EntityDescriptor> elements.

```
197 <element name="Publication" type="mdrpi:PublicationType" />  
198 <complexType name="PublicationType">  
199 <attribute name="publisherID" type="string" use="required" />  
200 <attribute name="creationInstant" type="dateTime" />  
201 <attribute name="publicationId" type="string" />  
202 </complexType>
```

203 **2.42.4 Example**

```
204 <EntitiesDescriptor xmlns="urn:oasis:names:tc:SAML:2.0:metadata"  
205 xmlns:mdrpi="urn:oasis:names:tc:SAML:metadata:rpi">  
206  
207 <Extensions>  
208  
209 <mdrpi:PublicationInfo publisher="urn:example.org:md:publisher"  
210 publicationId="1q2w3e4r" />  
211 </Extensions>  
212  
213 <!-- SWITCH IDP -->  
214 <EntityDescriptor entityID="https://aai-logon.switch.ch/idp/shibboleth">  
215  
216 <Extensions>  
217  
218 <mdrpi:RegistrationInfo  
219 registrationAuthority="urn:mace:switch.ch:SWITCHaai"  
220 registrationInstant="2006-05-29T11:34:27Z">
```

```

221     <mdrpi:RegistrationPolicy xml:lang="en">
222         http://www.switch.ch/aai/metadata/en_registration.html
223     </mdrpi:RegistrationPolicy>
224     <mdrpi:RegistrationPolicy xml:lang="de">
225         http://www.switch.ch/aai/metadata/de_registration.html
226     </mdrpi:RegistrationPolicy>
227 </mdrpi:RegistrationInfo>
228
229     <mdrpi:PublicationPath>
230         <mdrpi:Publication publisher="urn:mace:switch.ch:SWITCHaai"
231
232 publicationId="http://metadata.aai.switch.ch/metadata.switchaai.xmlk3kls0i"/>
233     </mdrpi:PublicationPath>
234
235 </Extensions>
236
237     <IDPSSODescriptor
238         protocolSupportEnumeration="urn:oasis:names:tc:SAML:2.0:protocol">
239         <SingleSignOnService
240             Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST"
241             Location="https://aai-logon.switch.ch/idp/profile/SAML2/POST/SSO"/>
242         </IDPSSODescriptor>
243     </EntityDescriptor>
244
245     <!-- Ohio State IDP -->
246     <EntityDescriptor entityID="urn:mace:incommon:osu.edu">
247
248         <Extensions>
249
250             <mdrpi:RegistrationInfo
251                 registrationAuthority="urn:mace:incommon">
252                 <mdrpi:RegistrationPolicy xml:lang="en">
253                     http://www.incommonfederation.org/metadata/en_registration.html
254                 </mdrpi:RegistrationPolicy>
255             </mdrpi:RegistrationInfo>
256
257             <mdrpi:PublicationPath>
258                 <mdrpi:Publication publisher="urn:mace:incommon"
259
260 publicationId="http://incommonfederation.org/InCommon-metadata.xml121kd9c"/>
261             </mdrpi:PublicationPath>
262         </Extensions>
263
264         <IDPSSODescriptor
265             protocolSupportEnumeration="urn:oasis:names:tc:SAML:1.1:protocol">
266             <SingleSignOnService
267                 Binding="urn:mace:shibboleth:1.0:profiles:AuthnRequest"
268                 Location="https://idp.ohio-state.edu/idp/profile/Shibboleth/SSO"/>
269             </IDPSSODescriptor>
270         </EntityDescriptor>
271
272 </EntitiesDescriptor>

```

273 **33** Conformance

274 **3-13.1** SAML V2.0 Metadata Extensions for Registration and 275 **Publication Information Version 1.0**

276 A metadata producer conforms to this profile if it has the ability to produce metadata in accordance with
277 sections 2.1, 2.2 and 2.3.

278 **•Appendix A** Acknowledgments

279 The editors would like to acknowledge the contributions of the OASIS Security Services Technical Com-
280 mittee, whose voting members at the time of publication were:

- 281 • Scott Cantor, Internet2
- 282 • Thomas Hardjono, M.I.T.
- 283 • Frederick Hirsch, Nokia Corp.
- 284 • Phil Hunt, Oracle Corp.
- 285 • Ari Kermaier, Oracle Corp.
- 286 • Nathan Klingenstein, Internet2
- 287 • Chad La Joie, Internet2
- 288 • Hal Lockhart, Oracle Corp.
- 289 • Tinh Nguyenphu, Nokia Siemens Networks GmbH
- 290 • Rob Philpott, EMC Corp.
- 291 • Anil Saldhana, Red Hat
- 292 • David Staggs, Veterans Health Administration
- 293 • Emily Xu, Oracle Corp.

294 The editor would also like to acknowledge the following contributors:

- 295 • Ian Young, EDINA, University of Edinburgh

296 **•Appendix B** Revision History

297 Changes made to produce [WD09](#)

- 298 • [State what the lack of <RegistrationPolicy>, <UsagePolicy> and <PublicationPath>](#)
299 [means](#)

- 300 • [Editorial and grammar fixups](#)

301 [Changes made to produce WD08](#)

- 302 • [Correct typos in schema snippets](#)
- 303 • [Correct publication path elements in example](#)

304 [Changes made to produce WD07](#)

- 305 • Correct namespace URI on line 265
- 306 • Correct document title in Section 3.1 title

307 Changes made to produce WD06

- 308 • [<RegistrationPolicy> and <UsagePolicy> text to disallow multiple instances with the](#)
309 [same language](#)
- 310 • [Corrected example in 2.4 which contained a <RegistrationInfo> at the root level and child](#)
311 [elements which was in violation of section 2.1](#)
- 312 • Editorial and grammar fix ups

313 Changes made to produce WD05

- 314 • [Corrected XML schema for optional elements that mistakenly did not have a minOccurs="0"](#)

315 Changes made to produce WD04

- 316 • [Add list of voting members to Appendix A: Acknowledgements](#)

317 Changes made to produce WD03

- 318 • [Corrected references to CreationInstant and SerialNumber elements which were replaced with](#)
319 [attributes on the PublicationInfo element](#)
- 320 • Editorial and grammar fix ups

321 Changes made to produce WD02

- 322 • Title changed to "SAML V2.0 Metadata Extensions for Registration and Publication Information"
- 323 • Namespace changed to urn:oasis:names:tc:SAML:metadata:rpi
- 324 • Concept of "document information" changed to "publication information" with corresponding ele-
- 325 ment name changes.
- 326 • Registration Information put before publication information
- 327 • Editorial and grammar fix ups
- 328