
Final Version 1.0.2

May 8, 2013
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<td>1.0.0</td>
<td>4/26/12</td>
<td>Initial Publication.</td>
<td>FICAM Working Groups</td>
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<td>1.0.1</td>
<td>5/16/12</td>
<td>Section 3, revise the URI Reference pattern definition.</td>
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<td>1.0.2</td>
<td>5/8/13</td>
<td>Section 3, revise the URI Reference pattern</td>
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1. **INTRODUCTION**


2. **NAME CHARACTERS**

For any Universal Resource Identifier (URI), Working Groups must use only the sixty-four characters from among alphanumeric characters [A-Za-z0-9] and the two punctuation characters: "." (PERIOD), and "-" (HYPHEN) — that is, any upper-case character, lower-case character, Arabic numeral/digit, FULL STOP [decimal 46], and HYPHEN-MINUS [decimal 45].

3. **XML NAMESPACES IDENTIFIERS AND NAMESPACE DOCUMENTS**

FICAM Work Products that formally declare one or more XML namespaces [viz., namespace bindings] must adhere to the terms of the applicable W3C Recommendations (e.g., Namespaces in XML 1.0, Extensible Markup Language (XML) 1.0 [1], XML Schema [2]) and several FICAM rules for construction of URI references and for use of namespace documents where applicable.

XML namespace names [Section 2] are owned and managed by FICAM, as specified below. Formal declarations of XML namespaces are made using a family of reserved attributes (e.g., xmlns attributes (PrefixedAttName xmlns:[prefix] and DefaultAttName xmlns) and targetNamespace) in XML instances and schemas.

An XML namespace name [3] identified by a Hypertext Transfer Protocol (HTTP) scheme URI reference must conform to the pattern:

```
http://idmanagement.gov/ns/xxxx
```

E.g.
```
http://idmanagement.gov/ns/attributes/person/GivenName
http://idmanagement.gov/ns/attributes/context/DateTime
```

Where:

- "xxxx" is a short string identifying an XML namespace. This may use any of the same sixty-four characters as names for files and directories/folders, plus internal "/", provided that it terminates with the character "/", "/", or an alphanumeric character [A-Za-z09]. This short string MAY incorporate a versioning component of the format "X.Y...."

The pattern specified above for HTTP scheme URIs uses the /ns/ path element in a syntax reserved for identifying non-information resources only. Therefore, no (file-system) regular files, directories/folders, or symbolic links matching information resources may make use of these URI strings for resource identification.
Non-information resources using identifiers associated with XML namespaces may be based upon any HTTP scheme URI XML namespace declared by a FICAM Working Group (i.e., identifiers for profiles, attributes, named properties, functions, dialects, faults, actions, or any named message types).

Any HTTP scheme URI matching the base pattern of a declared XML namespace, when dereferenced, may resolve under Domain Name System (DNS)+HTTP to (fetch) the corresponding namespace document which documents the namespace and the specification which formally declares it. FICAM maintains the namespace documents in consultation with Working Group product editors.

Uniform Resource Name (URN)-based XML namespaces may be declared by existing Working Groups that have already used this feature where architectural considerations require continued use of URNs. URN-based XML namespaces must not be declared otherwise, since they lack a standard, ubiquitous resolution method using DNS[+HTTP]. In URNs, the colon (":") character is expected.

4. **Online Resolution of URIs**

Working Groups should note that FICAM has no current plans to implement an online resolution system to support URIs created for Working Group products such as namespace documents.
APPENDIX A: REFERENCES

# APPENDIX B: ACRONYMS

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
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<tr>
<td>ACAGWG</td>
<td>Access Control Attribute Governance Working Group</td>
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<td>AWG</td>
<td>Architecture Working Group</td>
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<tr>
<td>DNS</td>
<td>Domain Name System</td>
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<tr>
<td>FICAM</td>
<td>Federal Identity, Credential, and Access Management</td>
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<tr>
<td>HTTP</td>
<td>Hypertext Transfer Protocol</td>
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<tr>
<td>URI</td>
<td>Universal Resource Identifier</td>
</tr>
<tr>
<td>URN</td>
<td>Uniform Resource Name</td>
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<td>WG</td>
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<td>XML</td>
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