



*ARNaai Federation for  
Education and Research*

# **Metadata Registration Practice Statement**

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## 1. Definitions and Terminology

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].

Conventional XML namespace prefixes are used throughout this document to stand for their respective namespaces as follows:

Prefix	XML Namespace	Defined in
md:	urn:oasis:names:tc:SAML:2.0:metadata	[SAML2Meta]
mdrpi:	urn:oasis:names:tc:SAML:metadata:rpi	[SAML-Metadata-RPI-V1.0]
mdui:	urn:oasis:names:tc:SAML:metadata:ui	[SAML-Metadata-UI-V1.0]

**Federation Operator:** ARNaai Federation is managed and operated by ARN, the Algerian National Research and Education Network.

**ARNaai Member:** All organisations participating in ARNaai can join as Members by signing the ARNaai Federation Member Request.

**ARNaai Participant:** ARNaai Participant is an organisation that belongs to the ARN Community and participates in the ARNaai Federation.

**ARNaai Federation Partner:** ARNaai Federation Partner is an organisation that does not belong to the ARN Community but wants to contribute to the ARNaai Federation.

## 2. Introduction and applicability

This document specifies the metadata registration practices used by the Algerian Identity Federation for Education and Research (ARNaai Federation) in its role as a metadata operator. The terms “ARNaai federation registrar” and “the registrar” in this document are to be understood to refer to the ARNaai federation operator.

### 2.1 Document Status

This edition describes the metadata registration practices of the ARNaai federation with effect from its date of publication as shown on the cover page.

This most recent version of document SHALL be published on the Federation web site at:  
<https://www.aai.arn.dz/documentation/mrps-20161117.pdf>

### 2.2 Changes in this Edition

This is a new document.

### 3. Member Eligibility and Ownership

Members of the ARNaai federation are eligible to make use of the ARNaai federation registrar to register entities. Registration requests from other sources SHALL NOT be accepted.

The procedure for becoming a ARNaai federation member is documented here:

<https://www.aai.arn.dz/index.php/documentation>

The membership process verifies that the prospective member has legal capacity, and requires that all members enter into a contractual relationship with the ARNaai Federation Operator by agreeing to the Federation policy.

The ARNaai Operator makes checks based on the legal name provided. The checks are conducted with a number of official databases.

The membership process also identifies and verifies Registered Representatives, who are permitted to act on behalf of the organisation in dealings with the Federation Operator.

Verification is achieved by the process also establishes a canonical name for the Federation member. The canonical name of a member MAY change during the membership period, for example as a result of corporate name changes or mergers. The member's canonical name is disclosed in the entity's **<OrganizationName>** element.

## 4. Metadata Format

Metadata for all entities registered by the ARNaai Federation Operator SHALL make use of the **[SAML-Metadata-RPI-V1.0]** metadata extension to indicate that the Federation Operator is the registrar for the entity and to detail the version of the MRPS statement that applies to the entity.

Registration practices change over time, editions of this document are distinguished by their dates of publication and by a compact URL derived from that date. The compact URL for an MDRPS published on a particular date SHALL be:

<https://www.aai.arn.dz/documentation/mrps-YYYYMMDD>

Where:

- YYYY represents the document's year of publication,
- MM represents the document's month of publication, from " 01 " to " 12 ",
- DD represents the document's day of publication, from " 01 " to " 31 ".

The MRPS SHALL be published on the ARNaai federation web site at the following URL:

<https://www.aai.arn.dz/documentation/mrps-20161117.pdf>

For example, the following metadata fragment represents an entity registered by the ARNaai federation registrar under the practices documented in the MDRPS of 17 November 2016:

### The RegistrationInfo Element:

```
<Exentions>
<mdrpi:RegistrationInfo
  registrationAuthority="https://www.aai.arn.dz/"
  registrationInstant="2016-07-25T15:25:07Z">
<mdrpi:RegistrationPolicy xml:lang="en">https://www.aai.arn.dz/documentation/mrps-
20161117.pdf</mdrpi:RegistrationPolicy>
</mdrpi:RegistrationInfo>
</Exentions>
```

## 5. Entity Eligibility and Validation

### 5.1 Entity Registration

The process by which a Federation member can register an entity is described at:

<https://www.aai.arn.dz/index.php/documentation>

The ARNaai Federation Operator SHALL verify the member's right to use particular domain names in relation to entityID attributes and scoping elements.

The right to use a domain name SHALL be established in one of the following ways:

- A member's canonical name matches registrant information shown in DNS.
- A member MAY be granted the right to make use of a specific domain name through a permission letter from the domain owner on a per-entity basis. Permission SHALL NOT be regarded as including permission for the use of sub-domains.

### 5.2 EntityID Format

Values of the entityID attribute registered MUST be an absolute URI using the http, https or urn schemes. https-scheme URIs are RECOMMENDED to all members.

http-scheme and https-scheme URIs used for entityID values MUST contain a host part whose value is a DNS domain.

### 5.3 Entity Validation

On entity registration, the Federation Operator SHALL carry out entity validation checks.

These checks MAY include:

- Ensuring all required information is present in the metadata;
- Ensuring metadata is correctly formatted;
- Ensuring URLs specified in the metadata are technically reachable;
- Ensuring protocol endpoints are properly protected with TLS / SSL certificates.

## 6. Entity Management

Once a member has joined the Federation any number of entities MAY be added by the organisation.

## 6.1 Entity Change Requests

Any request for entity addition, change or removal from ARNaai Federation members **MUST** be communicated from or confirmed by their respective Registered Representatives. Communication of change happens via e-mail.

## 6.2 Unsolicited Entity Changes

The Federation ARNaai Operator **MAY** amend or modify the Federation metadata at any time in order to:

- Ensure the security and integrity of the metadata;
- Comply with interFederation agreements;
- Improve interoperability;
- Add value to the metadata.

Changes will be communicated to Registered Representatives for the entity.

## 7. References

**[RFC2119]** Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997.

### **[SAML-Metadata-RPI-V1.0]**

SAML V2.0 Metadata Extensions for Registration and Publication Information Version 1.0. 03 April 2012. OASIS Committee Specification 01. <http://docs.oasis-open.org/security/saml/Post2.0/saml-metadata-rpi/v1.0/cs01/saml-metadata-rpi-v1.0-cs01.html>.