



## **RENU Identity Federation (RIF) SAML WebSSO Technology Profile**

### **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 RFC 2119 [1].

### **Introduction**

This Technology Profile describes how the RENU Identity Federation (RIF) is realized using the SAML V2.0 Web Browser SSO Profile [2]. The SAML V2.0 Web Browser SSO Profile defines a standard that enables Identity Providers and relying parties to create and use web Single Sign On services using SAML Requirements.

### **Requirements**

- All SAML metadata **MUST** fulfill the SAML V2.0 Metadata Interoperability Profile Version 1.0 or any later version [3].
- All identity providers **MUST** fulfill the Interoperable SAML 2.0 Profile (stable version) [4] and **MAY** optionally support the Shibboleth SAML 1.1 Profile [5] for interoperability with legacy systems.
- All service providers **SHOULD** fulfill the Interoperable SAML 2.0 Profile [4] and **MAY** optionally support the Shibboleth SAML 1.1 Profile [5] for interoperability with legacy systems.
- Identity Providers and Service Providers are strongly recommended to conform with the interoperable Shibboleth 2.x version [6].
- All SAML attributes **SHOULD** be represented using the urn:oasis:names:tc:SAML:2.0:attrname-format:uri Name Format.
- All SAML attribute names **SHOULD** be represented using either the urn:oid or http(s) URI scheme namespaces.
- All SAML Identity Providers **MUST** implement the Shibboleth Scope Metadata extension as defined in the Shibboleth Metadata Schema [7]. The Scope value **MUST** be a string equal to a DNS domain owned by the organization that is responsible for the Identity Provider.
- All SAML Service Providers **SHOULD** implement checks against the Shibboleth Scope Metadata extension when processing scoped attributes.

### **References**

- [1] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, [RFC 2119](#), March 1997.
- [2] <http://docs.oasis-open.org/security/saml/v2.0/saml-profiles-2.0-os.pdf>
- [3] <http://docs.oasis-open.org/security/saml/Post2.0/sstc-metadata-iop.pdf>
- [4] <https://saml2int.org/>
- [5] <https://wiki.shibboleth.net/confluence/display/SHIB>
- [6] <https://wiki.shibboleth.net/confluence/display/SHIB2/Home>
- [7] <https://wiki.shibboleth.net/confluence/display/SC/ShibMetaExt+V1.0>