REFEDS Attribute Registry

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User Identifier

FriendlyName: `refedsUserID`
Name: `http://refeds.org/attribute/refedsUserID`

An *User Identifier* is a persistent, non-reassigned identifier.

An Identity Provider (or Attribute Authority) is said to *release a User Identifier* when it releases at least one of the following attributes on the wire:

1. `eduPersonTargetedID`
2. `eduPersonUniqueId`
3. `eduPersonPrincipalName` (if non-reassigned)

A Service Provider is said to *request a User Identifier* when it does so directly, as shown in the following example.

Example

Here is an example of an abstract User Identifier requested in Service Provider metadata:

```
<md:RequestedAttribute FriendlyName="refedsUserID"
   Name="http://refeds.org/attribute/refedsUserID"
   NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri"/>
```

Non-Private User Identifier

FriendlyName: `refedsNonPrivateUserID`
Name: `http://refeds.org/attribute/refedsNonPrivateUserID`

A *Non-Private User Identifier* is a persistent, non-reassigned, non-targeted identifier.

An Identity Provider (or Attribute Authority) is said to *release a Non-Private User Identifier* when it releases at least one of the following attributes (or attribute combinations) on the wire:

1. `eduPersonUniqueId`
2. `eduPersonPrincipalName` (if non-reassigned)

A Service Provider is said to *request a Non-Private User Identifier* when it requests the `eduPersonUniqueId` attribute in metadata or a query. Alternatively, a Service Provider may request a Non-Private User Identifier directly, as shown in the following example.

Example

Here is an example of an abstract Non-Private User Identifier requested in Service Provider metadata:

```
<md:RequestedAttribute FriendlyName="refedsNonPrivateUserID"
   Name="http://refeds.org/attribute/refedsNonPrivateUserID"
   NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri"/>
```

Person Name

FriendlyName: `refedsPersonName`
Name: `http://refeds.org/attribute/refedsPersonName`

A *Person Name* is a human-readable name for the person (or subject) involved in a federated transaction.

An Identity Provider (or Attribute Authority) is said to *release a Person Name* when it releases at least one of the following attributes (or attribute combinations) on the wire:

1. `displayName`
2. `givenName` + `sn` (surname)

A Service Provider is said to *request a Person Name* when it requests the `displayName` attribute in metadata or a query. Alternatively, a Service Provider may request a Person Name directly, as shown in the following example.

Example

Here is an example of an abstract Person Name requested in Service Provider metadata:

```
<md:RequestedAttribute FriendlyName="refedsPersonName"
   Name="http://refeds.org/attribute/refedsPersonName"
   NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri"/>
```

Email Address

FriendlyName: `refedsEmailAddress`
Name: `http://refeds.org/attribute/refedsEmailAddress`

An *Email Address* is an electronic mail address for the person (or subject) involved in a federated transaction. By definition, an Email Address is synonymous with the `mail` attribute.

An Identity Provider (or Attribute Authority) is said to *release an Email Address* when it releases the `mail` attribute on the wire. A Service Provider is said to *request an Email Address* when it requests the `mail` attribute in metadata or a query. Alternatively, a Service Provider may request an Email Address directly, as shown in the following example.

Example

Here is an example of an abstract Email Address requested in Service Provider metadata:

```
<md:RequestedAttribute FriendlyName="refedsEmailAddress"
   Name="http://refeds.org/attribute/refedsEmailAddress"
   NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri"/>
```