

IdP Attribute Release

How to Test Attribute Release?

The best way to see if your IdP is releasing attributes properly to eduGAIN services is testing it with the [eduGAIN Attribute Release Check](#), which is an easy way to find out if an IdP is configured properly.



Attribute Release Training

To get a better understanding of attribute release in general, how it affects services in eduGAIN and what to consider to properly implement it, we strongly recommend to have a look at the [GÉANT online course on "Successful Attribute Release"](#).

Which are the most requested attributes?

According to best common practices Service Providers should publish the attributes they require or desired in metadata, either explicitly using a `<Request edAttribute>` element or implicitly, via the R&S entity category. Based on these numbers an IdP ideally **should be able** to release the following attributes:

- eduPersonPrincipalName (urn:oid:1.3.6.1.4.1.5923.1.1.1.6)
- mail (urn:oid:0.9.2342.19200300.100.1.3)
- eduPersonTargetedID (urn:oid:1.3.6.1.4.1.5923.1.1.1.10)
- givenName (urn:oid:2.5.4.42)
- sn (urn:oid:2.5.4.4)
- displayName (urn:oid:2.16.840.1.113730.3.1.241)
- cn (urn:oid:2.5.4.3)
- eduPersonScopedAffiliation (urn:oid:1.3.6.1.4.1.5923.1.1.1.9)
- eduPersonAffiliation (urn:oid:1.3.6.1.4.1.5923.1.1.1.1)
- eduPersonEntitlement (urn:oid:1.3.6.1.4.1.5923.1.1.1.7)
- schacHomeOrganization (urn:oid:1.3.6.1.4.1.25178.1.2.9)

It is easily possible to create a list of the most requested attributes of eduGAIN Service Providers. Using a script to [generate these attribute statistics](#), the complete results are as follows (data from August 21st 2018):

Total SPs: 2135

With requested attributes/R&S: 5326

Without requested attributes/R&S: -3191

Total Requested Attributes: 4735

- Attributes with isRequired=true: 1606 (33.9%)
- Attributes with implicit isRequired=false: 2371 (50.1%)
- Attributes with explicit isRequired=false: 0 (0%)

182 SAML attributes with their most used friendly name sorted by popularity:

- * eduPersonPrincipalName (urn:oid:1.3.6.1.4.1.5923.1.1.1.6)
Requested: 24.37%
Required: 3.8%
Desired: 8.09%
- * mail (urn:oid:0.9.2342.19200300.100.1.3)
Requested: 24.05%
Required: 4.41%
Desired: 7.16%
- * eduPersonTargetedID (urn:oid:1.3.6.1.4.1.5923.1.1.1.10)
Requested: 19.96%
Required: 2.28%
Desired: 5.2%
- * givenName (urn:oid:2.5.4.42)
Requested: 19.18%
Required: 1.63%
Desired: 5.07%
- * sn (urn:oid:2.5.4.4)
Requested: 18.75%
Required: 1.67%
Desired: 4.6%
- * eduPersonScopedAffiliation (urn:oid:1.3.6.1.4.1.5923.1.1.1.9)
Requested: 17.99%
Required: 1.82%
Desired: 3.7%
- * displayName (urn:oid:2.16.840.1.113730.3.1.241)
Requested: 17.04%
Required: 1.8%
Desired: 2.77%
- * cn (urn:oid:2.5.4.3)
Requested: 5.66%
Required: 1.35%
Desired: 4.31%
- * eduPersonAffiliation (urn:oid:1.3.6.1.4.1.5923.1.1.1.1)
Requested: 4.84%
Required: 0.91%
Desired: 3.93%
- * eduPersonEntitlement (urn:oid:1.3.6.1.4.1.5923.1.1.1.7)
Requested: 1.88%
Required: 0.63%
Desired: 1.25%
- * schacHomeOrganization (urn:oid:1.3.6.1.4.1.25178.1.2.9)
Requested: 1.27%
Required: 0.82%
Desired: 0.44%

Also an IdP should support the following name ID formats:

- * Transient NameIDFormat (urn:oasis:names:tc:SAML:2.0:nameid-format:transient)
Requested: 4.18%
Required: 42.34%
Desired: 7.05%
- * Persistent NameIDFormat (urn:oasis:names:tc:SAML:2.0:nameid-format:persistent)
Requested: 2.28%
Required: 20.04%
Desired: 3.34%

If your IdP supports the above attributes, it should be more capable of addressing most attribute request. Some less frequently attributes and NameID formats, which probably are either using non-standard names (i.e. urn:mace:dir:... names instead of urn:oid:... names) or are mostly used in a local context are:

- * o (urn:oid:2.5.4.10)
Requested: 1.25%
Required: 0.32%
Desired: 0.93%
- * NameIdentifier NameIDFormat (urn:mace:shibboleth:1.0:nameidentifier)
Requested: 1.1%
Required: 12.19%
Desired: 2.03%
- * uid (urn:oid:0.9.2342.19200300.100.1.1)
Requested: 0.95%
Required: 0.38%

Desired: 0.57%

- * eduPersonTargetedID (urn:mace:dir:attribute-def:eduPersonTargetedID)
 - Requested: 0.87%
 - Required: 0.06%
 - Desired: 0.8%
- * eduPersonScopedAffiliation (urn:mace:dir:attribute-def:eduPersonScopedAffiliation)
 - Requested: 0.82%
 - Required: 0%
 - Desired: 0.82%
- * eduPersonPrincipalName (urn:mace:dir:attribute-def:eduPersonPrincipalName)
 - Requested: 0.7%
 - Required: 0.04%
 - Desired: 0.65%
- * eduPersonPrimaryAffiliation (urn:oid:1.3.6.1.4.1.5923.1.1.1.5)
 - Requested: 0.61%
 - Required: 0.36%
 - Desired: 0.25%
- * eduPersonUniqueid (urn:oid:1.3.6.1.4.1.5923.1.1.1.13)
 - Requested: 0.53%
 - Required: 0.23%
 - Desired: 0.3%
- * preferredLanguage (urn:oid:2.16.840.1.113730.3.1.39)
 - Requested: 0.49%
 - Required: 0.32%
 - Desired: 0.17%
- * mail (urn:mace:dir:attribute-def:mail)
 - Requested: 0.42%
 - Required: 0.04%
 - Desired: 0.38%
- * transientId (urn:oid:1.2.3.4.5.6.7.8.9.10)
 - Requested: 0.38%
 - Required: 0.34%
 - Desired: 0.04%
- * schacHomeOrganizationType (urn:oid:1.3.6.1.4.1.25178.1.2.10)
 - Requested: 0.38%
 - Required: 0.23%
 - Desired: 0.15%
- * EmailAddress NameIDFormat (urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress)
 - Requested: 0.38%
 - Required: 0.27%
 - Desired: 0.04%
- * eduPersonAssurance (urn:oid:1.3.6.1.4.1.5923.1.1.1.11)
 - Requested: 0.32%
 - Required: 0.13%
 - Desired: 0.19%
- * telephoneNumber (urn:oid:2.5.4.20)
 - Requested: 0.27%
 - Required: 0.08%
 - Desired: 0.19%
- * ou (urn:oid:2.5.4.11)
 - Requested: 0.27%
 - Required: 0.08%
 - Desired: 0.19%
- * eduPersonNickname (urn:oid:1.3.6.1.4.1.5923.1.1.1.2)
 - Requested: 0.27%
 - Required: 0.08%
 - Desired: 0.19%
- * eduPersonOrgUnitDN (urn:oid:1.3.6.1.4.1.5923.1.1.1.4)
 - Requested: 0.27%
 - Required: 0.08%
 - Desired: 0.19%
- * Unspecified NameIDFormat (urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified)
 - Requested: 0.25%
 - Required: 0.02%
 - Desired: 0%
- * eduPersonOrcid (urn:oid:1.3.6.1.4.1.5923.1.1.1.16)
 - Requested: 0.23%
 - Required: 0.06%
 - Desired: 0.17%
- * eduPersonOrgDN (urn:oid:1.3.6.1.4.1.5923.1.1.1.3)
 - Requested: 0.23%
 - Required: 0.08%
 - Desired: 0.15%
- * displayName (urn:mace:dir:attribute-def:displayName)
 - Requested: 0.21%
 - Required: 0%
 - Desired: 0.21%
- * eduPersonPrimaryOrgUnitDN (urn:oid:1.3.6.1.4.1.5923.1.1.1.8)
 - Requested: 0.19%

Required: 0.08%
Desired: 0.11%

* eduPersonAffiliation (urn:mace:dir:attribute-def:eduPersonAffiliation)
Requested: 0.17%
Required: 0%
Desired: 0.17%

* title (urn:oid:2.5.4.12)
Requested: 0.17%
Required: 0.04%
Desired: 0.13%

* schacPersonalUniqueID (urn:oid:1.3.6.1.4.1.25178.1.2.15)
Requested: 0.17%
Required: 0.17%
Desired: 0%

* givenName (urn:mace:dir:attribute-def:givenName)
Requested: 0.15%
Required: 0.02%
Desired: 0.13%

* supannEtablissement (urn:oid:1.3.6.1.4.1.7135.1.2.1.14)
Requested: 0.15%
Required: 0.13%
Desired: 0.02%

* cn (urn:mace:dir:attribute-def:cn)
Requested: 0.15%
Required: 0.02%
Desired: 0.13%

* mobile (urn:oid:0.9.2342.19200300.100.1.41)
Requested: 0.15%
Required: 0.08%
Desired: 0.06%

* sn (urn:mace:dir:attribute-def:sn)
Requested: 0.15%
Required: 0.02%
Desired: 0.13%

* employeeNumber (urn:oid:2.16.840.1.113730.3.1.3)
Requested: 0.13%
Required: 0.06%
Desired: 0.06%

* supannEtuld (urn:oid:1.3.6.1.4.1.7135.1.2.1.10)
Requested: 0.11%
Required: 0.02%
Desired: 0.08%

* eduOrgLegalName (urn:oid:1.3.6.1.4.1.5923.1.2.1.4)
Requested: 0.11%
Required: 0.02%
Desired: 0.08%

* norEduPersonLIN (urn:oid:1.3.6.1.4.1.2428.90.1.4)
Requested: 0.11%
Required: 0.11%
Desired: 0%

* postalAddress (urn:oid:2.5.4.16)
Requested: 0.11%
Required: 0.08%
Desired: 0.02%

* l (urn:oid:2.5.4.7)
Requested: 0.11%
Required: 0.04%
Desired: 0.06%

* employeeID (urn:oid:1.2.840.113556.1.4.35)
Requested: 0.08%
Required: 0%
Desired: 0.08%

* schacPersonalUniqueCode (urn:oid:1.3.6.1.4.1.25178.1.2.14)
Requested: 0.08%
Required: 0.04%
Desired: 0.04%

* schacCountryOfCitizenship (urn:oid:1.3.6.1.4.1.25178.1.2.5)
Requested: 0.08%
Required: 0.08%
Desired: 0%

* postalCode (urn:oid:2.5.4.17)
Requested: 0.08%
Required: 0.02%
Desired: 0.06%

* X509SubjectName NameIDFormat (urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName)
Requested: 0.08%
Required: 0.15%
Desired: 0.02%

* supannEntiteAffectation (urn:oid:1.3.6.1.4.1.7135.1.2.1.8)

Requested: 0.08%
Required: 0.06%
Desired: 0.02%

* eduPersonEntitlement (urn:mace:dir:attribute-def:eduPersonEntitlement)
Requested: 0.08%
Required: 0%
Desired: 0.08%

* eduPersonAssurance (urn:mace:dir:attribute-def:eduPersonAssurance)
Requested: 0.08%
Required: 0%
Desired: 0.08%

* homePostalAddress (urn:oid:0.9.2342.19200300.100.1.39)
Requested: 0.08%
Required: 0.08%
Desired: 0%

* employeeNumber (urn:oid:1.2.840.113556.1.2.610)
Requested: 0.08%
Required: 0%
Desired: 0.08%

* facsimileTelephoneNumber (urn:oid:2.5.4.23)
Requested: 0.08%
Required: 0.04%
Desired: 0.04%

* eduPersonPrimaryAffiliation (urn:mace:dir:attribute-def:eduPersonPrimaryAffiliation)
Requested: 0.06%
Required: 0%
Desired: 0.06%

* street (urn:oid:2.5.4.9)
Requested: 0.06%
Required: 0.02%
Desired: 0.04%

* seeAlso (urn:oid:2.5.4.34)
Requested: 0.06%
Required: 0.02%
Desired: 0.04%

* ou (urn:mace:dir:attribute-def:ou)
Requested: 0.06%
Required: 0%
Desired: 0.06%

* employeeType (urn:oid:1.2.840.113556.1.2.613)
Requested: 0.06%
Required: 0%
Desired: 0.06%

* initials (urn:oid:2.5.4.43)
Requested: 0.06%
Required: 0.02%
Desired: 0.04%

* postOfficeBox (urn:oid:2.5.4.18)
Requested: 0.06%
Required: 0.02%
Desired: 0.04%

* businessCategory (urn:oid:2.5.4.15)
Requested: 0.06%
Required: 0.02%
Desired: 0.04%

* o (urn:mace:dir:attribute-def:o)
Requested: 0.06%
Required: 0%
Desired: 0.06%

* isMemberOf (urn:oid:1.3.6.1.4.1.5923.1.5.1.1)
Requested: 0.06%
Required: 0.04%
Desired: 0.02%

* description (urn:oid:2.5.4.13)
Requested: 0.06%
Required: 0.02%
Desired: 0.04%

* homePhone (urn:oid:0.9.2342.19200300.100.1.20)
Requested: 0.06%
Required: 0.06%
Desired: 0%

* manager (urn:mace:dir:attribute-def:manager)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* st (urn:oid:2.5.4.8)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* facsimileTelephoneNumber (urn:mace:dir:attribute-def:facsimileTelephoneNumber)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* departmentNumber (urn:mace:dir:attribute-def:departmentNumber)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* eduPersonPrimaryOrgUnitDN (urn:mace:dir:attribute-def:eduPersonPrimaryOrgUnitDN)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* carLicense (urn:oid:2.16.840.1.113730.3.1.1)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* initials (urn:mace:dir:attribute-def:initials)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* carLicense (urn:mace:dir:attribute-def:carLicense)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* title (urn:mace:dir:attribute-def:title)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* telephoneNumber (urn:mace:dir:attribute-def:telephoneNumber)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* street (urn:mace:dir:attribute-def:street)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* st (urn:mace:dir:attribute-def:st)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* manager (urn:oid:0.9.2342.19200300.100.1.10)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* schacMotherTongue (urn:oid:1.3.6.1.4.1.25178.1.2.1)
Requested: 0.04%
Required: 0.02%
Desired: 0.02%

* l (urn:mace:dir:attribute-def:l)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* supannEntiteAffectationPrincipale (urn:oid:1.3.6.1.4.1.7135.1.2.1.13)
Requested: 0.04%
Required: 0.02%
Desired: 0.02%

* supannOrganisme (urn:oid:1.3.6.1.4.1.7135.1.2.1.3)
Requested: 0.04%
Required: 0.02%
Desired: 0.02%

* seeAlso (urn:mace:dir:attribute-def:seeAlso)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* preferredLanguage (urn:mace:dir:attribute-def:preferredLanguage)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* postofficeBox (urn:mace:dir:attribute-def:postOfficeBox)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* postalCode (urn:mace:dir:attribute-def:postalCode)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* swissEduID (urn:oid:2.16.756.1.2.5.1.1.13)
Requested: 0.04%
Required: 0.04%

Desired: 0%
* userCertificate (urn:oid:2.5.4.36)
Requested: 0.04%
Required: 0.04%
Desired: 0%

* employeeNumber (urn:mace:dir:attribute-def:employeeNumber)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* departmentNumber (urn:oid:2.16.840.1.113730.3.1.2)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* schacDateOfBirth (urn:oid:1.3.6.1.4.1.25178.1.2.3)
Requested: 0.04%
Required: 0.04%
Desired: 0%

* eduPersonPrincipalName (eduPersonPrincipalName)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* mail (mail)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* givenName (givenName)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* sn (sn)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* auEduPersonSharedToken (urn:oid:1.3.6.1.4.1.27856.1.2.5)
Requested: 0.04%
Required: 0.02%
Desired: 0.02%

* eduPersonNickname (urn:mace:dir:attribute-def:eduPersonNickname)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* eduPersonOrgDN (urn:mace:dir:attribute-def:eduPersonOrgDN)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* Kerberos NameIDFormat (urn:oasis:names:tc:SAML:2.0:nameid-format:kerberos)
Requested: 0.04%
Required: 0.02%
Desired: 0%

* WindowsDomainQualifiedName NameIDFormat (urn:oasis:names:tc:SAML:1.1:nameid-format:WindowsDomainQualifiedName)
Requested: 0.04%
Required: 0.02%
Desired: 0%

* eduPersonOrgUnitDN (urn:mace:dir:attribute-def:eduPersonOrgUnitDN)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* physicalDeliveryOfficeName (urn:oid:2.5.4.19)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* physicalDeliveryOfficeName (urn:mace:dir:attribute-def:physicalDeliveryOfficeName)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* eduCourseOffering (urn:oid:1.3.6.1.4.1.5923.1.6.1.1)
Requested: 0.04%
Required: 0.02%
Desired: 0.02%

* businessCategory (urn:mace:dir:attribute-def:businessCategory)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* eduCourseMember (urn:oid:1.3.6.1.4.1.5923.1.6.1.2)
Requested: 0.04%
Required: 0.02%
Desired: 0.02%

* labeledURI (urn:oid:1.3.6.1.4.1.250.1.57)
Requested: 0.04%

Required: 0.04%
Desired: 0%

* swissLibraryPersonAffiliation (urn:oid:2.16.756.1.2.5.1.1.1023)
Requested: 0.04%
Required: 0.04%
Desired: 0%

* employeeType (urn:mace:dir:attribute-def:employeeType)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* swissLibraryPersonResidence (urn:oid:2.16.756.1.2.5.1.1.1025)
Requested: 0.04%
Required: 0.04%
Desired: 0%

* description (urn:mace:dir:attribute-def:description)
Requested: 0.04%
Required: 0%
Desired: 0.04%

* swissEduPersonHomeOrganization (urn:oid:2.16.756.1.2.5.1.1.4)
Requested: 0.02%
Required: 0%
Desired: 0.02%

* mailForwardingAddress (urn:oid:2.16.840.1.113730.3.1.17)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* electronicIdentificationNumber (urn:oid:1.2.246.22)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannAffectation (urn:oid:1.3.6.1.4.1.7135.1.2.1.5)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* uid (urn:mace:dir:attribute-def:uid)
Requested: 0.02%
Required: 0%
Desired: 0.02%

* swissEduPersonUniqueID (urn:mace:switch.ch:attribute-def:swissEduPersonUniqueID)
Requested: 0.02%
Required: 0%
Desired: 0.02%

* shacHomeOrganization (urn:mace:terena.org:attribute-def:schacHomeOrganization)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* urn:oid:1.3.6.1.4.1.1466.115.121.1.15 (urn:oid:1.3.6.1.4.1.1466.115.121.1.15)
Requested: 0.02%
Required: 0%
Desired: 0.02%

* urn:oid:0.9.2342.19200300.100.1.37 (urn:oid:0.9.2342.19200300.100.1.37)
Requested: 0.02%
Required: 0%
Desired: 0.02%

* surname (urn:oid:2.5.4.41)
Requested: 0.02%
Required: 0%
Desired: 0.02%

* supannCodeINE (urn:oid:1.3.6.1.4.1.7135.1.2.1.9)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannEtulInscription (urn:oid:1.3.6.1.4.1.7135.1.2.1.30)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannCivillite (urn:oid:1.3.6.1.4.1.7135.1.2.1.4)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonStudentUnion (urn:oid:1.3.6.1.4.1.16161.1.1.22)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* unstructuredName (urn:oid:1.2.840.113549.1.9.2)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* schacPlaceOfBirth (urn:oid:1.3.6.1.4.1.25178.1.2.4)

Requested: 0.02%
Required: 0.02%
Desired: 0%

* schacGender (urn:oid:1.3.6.1.4.1.25178.1.2.2)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* businessCode (urn:oid:1.2.246.10)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* CountryOfResidence (urn:oid:1.3.6.1.4.1.25178.1.2.11)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* nationalIdentificationNumber (urn:oid:1.2.246.21)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* jpegPhoto (urn:oid:0.9.2342.19200300.100.1.60)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonTargetDegree (urn:oid:1.3.6.1.4.1.16161.1.1.11)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonStudyToEnd (urn:oid:1.3.6.1.4.1.16161.1.1.16)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonStudyStart (urn:oid:1.3.6.1.4.1.16161.1.1.14)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonStudentStatus (urn:oid:1.3.6.1.4.1.16161.1.1.21)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* userStatus (urn:oid:1.3.6.1.4.1.25178.1.2.19)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonStudentCategory (urn:oid:1.3.6.1.4.1.16161.1.1.20)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonSpecialisation (urn:oid:1.3.6.1.4.1.16161.1.1.13)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonProgram (urn:oid:1.3.6.1.4.1.16161.1.1.12)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonPrimaryStudyStart (urn:oid:1.3.6.1.4.1.16161.1.1.15)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonLearnerId (urn:oid:1.3.6.1.4.1.16161.1.1.27)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonHomeCity (urn:oid:1.3.6.1.4.1.16161.1.1.23)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonGivenNames (urn:oid:1.3.6.1.4.1.16161.1.1.25)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonFullName (urn:oid:1.3.6.1.4.1.16161.1.1.26)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonEPPNTimeStamp (urn:oid:1.3.6.1.4.1.16161.1.1.24)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonECTS (urn:oid:1.3.6.1.4.1.16161.1.1.19)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* userPresenceID (urn:oid:1.3.6.1.4.1.25178.1.2.12)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* eduroamUID (<http://eduroam.cz/attributes/eduroamUID>)
Requested: 0.02%
Required: 0%
Desired: 0.02%

* supannAutreMail (urn:oid:1.3.6.1.4.1.7135.1.2.1.34)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannRoleGenerique (urn:oid:1.3.6.1.4.1.7135.1.2.1.23)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannEtuTypeDiplome (urn:oid:1.3.6.1.4.1.7135.1.2.1.33)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannEtuSecteurDisciplinaire (urn:oid:1.3.6.1.4.1.7135.1.2.1.32)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannEtuRegimeInscription (urn:oid:1.3.6.1.4.1.7135.1.2.1.31)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* funetEduPersonCreditUnits (urn:oid:1.3.6.1.4.1.16161.1.1.18)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannEtuEtape (urn:oid:1.3.6.1.4.1.7135.1.2.1.29)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannEtuElementPedagogique (urn:oid:1.3.6.1.4.1.7135.1.2.1.28)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannEtuDiplome (urn:oid:1.3.6.1.4.1.7135.1.2.1.27)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannEtuCursusAnnee (urn:oid:1.3.6.1.4.1.7135.1.2.1.26)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannEtuAnneeInscription (urn:oid:1.3.6.1.4.1.7135.1.2.1.25)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannRoleEntite (urn:oid:1.3.6.1.4.1.7135.1.2.1.24)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannRole (urn:oid:1.3.6.1.4.1.7135.1.2.1.21)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* schacPersonalPosition (urn:oid:1.3.6.1.4.1.25178.1.2.1.13)
Requested: 0.02%
Required: 0%
Desired: 0.02%

* supannActivite (urn:oid:1.3.6.1.4.1.7135.1.2.1.2)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannMailPerso (urn:oid:1.3.6.1.4.1.7135.1.2.1.15)
Requested: 0.02%
Required: 0.02%
Desired: 0%

* supannAutreTelephone (urn:oid:1.3.6.1.4.1.7135.1.2.1.12)
Requested: 0.02%
Required: 0.02%

Desired: 0%
* supannEmpld (urn:oid:1.3.6.1.4.1.7135.1.2.1.11)
Requested: 0.02%
Required: 0.02%
Desired: 0%
* supannListeRouge (urn:oid:1.3.6.1.4.1.7135.1.2.1.1)
Requested: 0.02%
Required: 0.02%
Desired: 0%
* swissEduPersonHomeOrganizationType (urn:oid:2.16.756.1.2.5.1.1.5)
Requested: 0.02%
Required: 0%
Desired: 0.02%
* swissEduPersonUniqueID (urn:oid:2.16.756.1.2.5.1.1.1)
Requested: 0.02%
Required: 0%
Desired: 0.02%
* schacPersonalTitle (urn:oid:1.3.6.1.4.1.25178.1.2.8)
Requested: 0.02%
Required: 0%
Desired: 0.02%
* schacYearOfBirth (urn:oid:1.3.6.1.4.1.25178.1.0.2.3)
Requested: 0.02%
Required: 0.02%
Desired: 0%
* norEduPersonNIN (urn:oid:1.3.6.1.4.1.2428.90.1.5)
Requested: 0.02%
Required: 0.02%
Desired: 0%
* urn:oid:1.3.6.1.4.1.23735.100.0 (urn:oid:1.3.6.1.4.1.23735.100.0)
Requested: 0.02%
Required: 0%
Desired: 0.02%