



**International
Standard**

ISO/IEC 9594-8

**Information technology — Open
systems interconnection —**

Part 8:

**The Directory: Public-key and
attribute certificate frameworks**

TECHNICAL CORRIGENDUM 2

**Ninth edition
2020-11**

**TECHNICAL
CORRIGENDUM 2**

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INTERNATIONAL STANDARD ISO/IEC 9594-8
RECOMMENDATION ITU-T X.509Information technology – Open Systems Interconnection – The Directory: Public-key and
attribute certificate frameworks

Technical Corrigendum 2

Summary

Corrigendum 2 to ITU-T X.509 (2019) | ISO/IEC 9594-8:2020 covers resolution to defect reports 434 and 435.

History *

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INTERNATIONAL STANDARD
ITU-T RECOMMENDATIONInformation technology – Open Systems Interconnection – The Directory: Public-key and
attribute certificate frameworks

Technical Corrigendum 2

*(Covering resolution to defect reports 434 and 435)***1) Correction of the defects reported in defect report 434***Replace the definition of the role attribute type in 16.5.1 with:*

```

role ATTRIBUTE ::= {
  WITH SYNTAX      RoleSyntax
  LDAP-SYNTAX      ldapRoleSyntax.&id
  LDAP-NAME        {"role"}
  LDAP-DESC        "LDAP role"
  ID               id-at-role }

```

Replace the definition of xmlPrivilegeInfo in 16.7 with:

```

xmlPrivilegeInfo ATTRIBUTE ::= {
  WITH SYNTAX      UTF8String --contains XML-encoded privilege information
  LDAP-SYNTAX      directoryString.&id
  LDAP-NAME        {"xmlPrivInfo"}
  LDAP-DESC        "XML Privilege Info"
  ID               id-at-xMLPrivilegeInfo }

```

Replace the definition of permission attribute in 16.8.1 with:

```

permission ATTRIBUTE ::= {
  WITH SYNTAX      DualStringSyntax
  EQUALITY MATCHING RULE dualStringMatch
  LDAP-SYNTAX      ldapDualStringSyntax.&id
  LDAP-NAME        {"permission"}
  LDAP-DESC        "LDAP permission"
  ID               id-at-permission }

```

Replace the definition of dualStringMatch matching rule in 16.8.2 with:

```

dualStringMatch MATCHING-RULE ::= {
  SYNTAX           DualStringSyntax
  LDAP-SYNTAX      ldapDualStringSyntax.&id
  LDAP-NAME        {"permission"}
  LDAP-DESC        "LDAP permission match"
  ID               id-mr-dualStringMatch }

```

Replace the definition of the PMI user object class in 19.1.1 with:

```

pmiUser OBJECT-CLASS ::= {
  SUBCLASS OF      {top}
  KIND             auxiliary
  MAY CONTAIN       {attributeCertificateAttribute}
  LDAP-NAME        {"pmiUser"}
  LDAP-DESC        "Privilege holder"
  ID               id-oc-pmiUser }

```

Replace the definition of the PMI AA object class in 19.1.2 with:

```

pmiAA OBJECT-CLASS ::= { -- a PMI AA
  SUBCLASS OF      {top}
  KIND             auxiliary
  MAY CONTAIN       {aACertificate |
                    attributeCertificateRevocationList |
                    eeAttrCertificateRevocationList |
                    attributeAuthorityRevocationList}

```

```

LDAP-NAME      {"pmiAA"}
LDAP-DESC      "Privilege authority"
ID             id-oc-pmiAA }

```

Replace the definition of the PMI SOA object class in 19.1.3 with:

```

pmiSOA OBJECT-CLASS ::= { -- a PMI Source of Authority
  SUBCLASS OF {top}
  KIND        auxiliary
  MAY CONTAIN {attributeCertificateRevocationList |
               eeAttrCertificateRevocationList |
               attributeAuthorityRevocationList |
               attributeDescriptorCertificate}

  LDAP-NAME    {"pmiSOA"}
  LDAP-DESC    "Source of authority"
  ID           id-oc-pmiSOA }

```

Replace the definition of the Attribute certificate CRL distribution point object class in 19.1.4 with:

```

attCertCRLDistributionPt OBJECT-CLASS ::= {
  SUBCLASS OF {top}
  KIND        auxiliary
  MAY CONTAIN {attributeCertificateRevocationList |
               eeAttrCertificateRevocationList |
               attributeAuthorityRevocationList}

  LDAP-NAME    {"ACRL distribution point"}
  ID           id-oc-attCertCRLDistributionPts }

```

Replace the definition of the Attribute certificate PMI delegation path object class in 19.1.5 with:

```

pmiDelegationPath OBJECT-CLASS ::= {
  SUBCLASS OF {top}
  KIND        auxiliary
  MAY CONTAIN {delegationPath}
  LDAP-NAME    {"pmiDelegationPath"}
  LDAP-DESC    "Privilege delegation path"
  ID           id-oc-pmiDelegationPath }

```

Replace the definition of the privilege policy object class in 19.1.6 with:

```

privilegePolicy OBJECT-CLASS ::= {
  SUBCLASS OF {top}
  KIND        auxiliary
  MAY CONTAIN {privPolicy}
  LDAP-NAME    {"privilegePolicy"}
  LDAP-DESC    "Privilege policy"
  ID           id-oc-privilegePolicy }

```

Replace the definition of the protected privilege policy object class in 19.1.7 with:

```

protectedPrivilegePolicy OBJECT-CLASS ::= {
  SUBCLASS OF {top}
  KIND        auxiliary
  MAY CONTAIN {protPrivPolicy}
  LDAP-NAME    {"protectedPrivilegePolicy"}
  LDAP-DESC    "Protected privilege policy"
  ID           id-oc-protectedPrivilegePolicy }

```

Replace the definition of attributeCertificateAttribute attribute type in 19.2.1 with:

```

attributeCertificateAttribute ATTRIBUTE ::= {
  WITH SYNTAX      AttributeCertificate
  EQUALITY MATCHING RULE attributeCertificateExactMatch
  LDAP-SYNTAX      x509AttributeCertificate.&id
  LDAP-NAME        {"attributeCertificateAttribute"}
  LDAP-DESC        "X.509 Attr certificate attribute"
  ID               id-at-attributeCertificate }

```

Replace the definition of *aACertificate* attribute type in 19.2.2 with:

```
aACertificate ATTRIBUTE ::= {
  WITH SYNTAX      AttributeCertificate
  EQUALITY MATCHING RULE  attributeCertificateExactMatch
  LDAP-SYNTAX      x509AttributeCertificate.&id
  LDAP-NAME        {"aACertificate"}
  LDAP-DESC        "X.509 AA certificate"
  ID               id-at-aACertificate }
```

Replace the definition of *attributeDescriptorCertificate* attribute type in 19.2.3 with:

```
attributeDescriptorCertificate ATTRIBUTE ::= {
  WITH SYNTAX      AttributeCertificate
  EQUALITY MATCHING RULE  attributeCertificateExactMatch
  LDAP-SYNTAX      x509AttributeCertificate.&id
  LDAP-NAME        {"AttributeDescriptorCertificate"}
  LDAP-DESC        "X.509 Attr descriptor certificate"
  ID               id-at-attributeDescriptorCertificate }
```

Replace the definition of *delegationPath* attribute type in 19.2.7 with:

```
delegationPath ATTRIBUTE ::= {
  WITH SYNTAX      AttCertPath
  LDAP-SYNTAX      ldapAttCertPath.&id
  LDAP-NAME        {"delegationPath"}
  LDAP-DESC        "LDAP delegation path"
  ID               id-at-delegationPath }
```

Replace the definition of *privPolicy* attribute type in 19.2.8 with:

```
privPolicy ATTRIBUTE ::= {
  WITH SYNTAX      PolicySyntax
  LDAP-SYNTAX      x509PolicySyntax.&id
  LDAP-NAME        {"privPolicy"}
  LDAP-DESC        "X.509 privPolicy"
  ID               id-at-privPolicy }
```

Replace the definition of *protPrivPolicy* attribute type in 19.2.9 with:

```
protPrivPolicy ATTRIBUTE ::= {
  WITH SYNTAX      AttributeCertificate
  EQUALITY MATCHING RULE  attributeCertificateExactMatch
  LDAP-SYNTAX      x509AttributeCertificate.&id
  LDAP-NAME        {"protPrivPolicy"}
  LDAP-DESC        "X.509 prot priv policy"
  ID               id-at-protPrivPolicy }
```

Replace the definition of *xmlPrivPolicy* attribute type in 19.2.10 with:

```
xmlPrivPolicy ATTRIBUTE ::= {
  WITH SYNTAX      UTF8String -- XML-encoded privilege policy information
  LDAP-SYNTAX      directoryString.&id
  LDAP-NAME        {"xmlPrivPolicy"}
  LDAP-DESC        "LDAP XML Priv Policy"
  ID               id-at-xmlPrivPolicy }
```

Replace the definition of *attribute certificate exact match* matching rule in 19.3.1 with:

```
attributeCertificateExactMatch MATCHING-RULE ::= {
  SYNTAX      AttributeCertificateExactAssertion
  LDAP-SYNTAX  attCertExactAssertion.&id
  LDAP-NAME    {"attributeCertificateExactMatch"}
  LDAP-DESC    "Attribute Certificate Exact Match"
  ID           id-mr-attributeCertificateExactMatch }
```