



**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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Information 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 RECOMMENDATION

## Information 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 }
```