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Information technology — Open systems interconnection —

Part 8:
The Directory: Public-key and attribute certificate frameworks

TECHNICAL CORRIGENDUM 2

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INTERNATIONAL STANDARD ISO/IEC 9594-8
RECOMMENDATION ITU-T X.509

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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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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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 }
```