Information technology — Open Systems Interconnection — The Directory: Models

TECHNICAL CORRIGENDUM 2

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — L'annuaire: Les modèles

RECTIFICATIF TECHNIQUE 2

Correction of the defects reported in defect report 328

a) In 20.1, delete NOTE 1 making NOTE 2 just a NOTE.
b) In 20.2, make the following changes:

Change NOTE to NOTE 1.

Change attributeIntegrityInfo to:

```plaintext
attributeIntegrityInfo ATTRIBUTE ::= {
  WITH SYNTAX AttributeIntegrityInfo
  SINGLE VALUE TRUE
  ID id-at-attributeIntegrityInfo }
```

c) After the current ASN.1, add:

```plaintext
integrityInfo OBJECT-CLASS ::= {
  SUBCLASS OF { top }
  KIND auxiliary
  MUST CONTAIN { attributeIntegrityInfo }
  ID id-oc-integrityInfo }
```

d) After NOTE 1 in 20.2, add:

The creator of the `attributeIntegrityInfo` attribute shall, when creating the `AttribsHash` data type, use DER encoding (see 6.1 of ITU-T Rec. X.509 | ISO/IEC 9594-8) of the attributes ordering the attributes as specified above, and then create the hash from the resulting encoding.

NOTE 2 – The creator needs to have full knowledge of all the attribute syntaxes to create the hash.

The verifier of the integrity shall produce its own version of `AttribsHash` using the same procedure as above for retrieved attributes, and then compare the result with the value in the `attribsHash` component.

NOTE 3 – The verification is only possible if the verifier has full knowledge of all the attribute syntaxes.

An entry that shall hold an `attributeIntegrityInfo` attribute shall include the `integrityInfo` auxiliary object-class.