



INTERNATIONAL STANDARD ISO/IEC 9594-8:2001
TECHNICAL CORRIGENDUM 1

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Information technology — Open Systems Interconnection — The Directory: Public-key and attribute certificate frameworks

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — L'annuaire: Cadre général des certificats de clé publique et d'attribut

RECTIFICATIF TECHNIQUE 1

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INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

**Information technology – Open Systems Interconnection – The Directory:
Public-key and attribute certificate frameworks**

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(covering resolutions to defect reports 272, 273, 274, 275, 276, 277, 278 and 279)

1) This corrects the defects reported in defect report 272

*In 8.4.2.1, add the following text to the end of the paragraph that begins with "The **pathLenConstraint** component shall be present only if..."*

The constraint takes effect beginning with the next certificate in the path. The constraint restricts the length of the segment of the certification path between the certificate containing this extension and the end-entity certificate. It has no impact on the number of CA-certificates in the certification path between the trust anchor and the certificate containing this extension. Therefore, the length of a complete certification path may exceed the maximum length of the segment constrained by this extension. The constraint controls the number of non self-issued CA certificates between the CA certificate containing the constraint and the end-entity certificate. Therefore the total length of this segment of the path, excluding self-issued certificates, may exceed the value of the constraint by as many as two certificates. (This includes the certificates at the two endpoints of the segment plus the CA certificates between the two endpoints that are constrained by the value of this extension.)

*In 15.5.2.1, in the paragraph that begins with "The **pathLenConstraint** component is meaningful only if...", replace the last two sentences of this paragraph with the following:*

The constraint restricts the length of the segment of the delegation path between the certificate containing this extension and the end-entity certificate. It has no impact on the number of AA-certificates in the delegation path between the trust anchor and the certificate containing this extension. Therefore, the length of a complete delegation path may exceed the maximum length of the segment constrained by this extension. The constraint controls the number of AA certificates between the AA certificate containing the constraint and the end-entity certificate. Therefore the total length of this segment of the path may exceed the value of the constraint by as many as two certificates. (This includes the certificates at the two endpoints of the segment plus the AA certificates between the two endpoints that are constrained by the value of this extension.)

2) This corrects the defects reported in defect report 273

Replace 8.4.2.2 with the following:

8.4.2.2 Name constraints extension

This field, which shall be used only in a CA-certificate, indicates a name space within which all subject names in subsequent certificates in a certification path must be located. This field is defined as follows:

nameConstraints EXTENSION ::= {
 SYNTAX **NameConstraintsSyntax**
 IDENTIFIED BY **id-ce-nameConstraint }**

NameConstraintsSyntax ::= SEQUENCE {
 permittedSubtrees **[0] GeneralSubtrees OPTIONAL,**
 excludedSubtrees **[1] GeneralSubtrees OPTIONAL,**
 requiredNameForms **[2] NameForms OPTIONAL }**