INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.518
Corrigendum 2
(02/2001)

SERIES X: DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS

Directory

Information technology – Open Systems Interconnection – The Directory: Procedures for distributed operation

Technical Corrigendum 2

ITU-T Recommendation X.518 (1997) – Corrigendum 2

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INTERNATIONAL STANDARD ISO/IEC 9594-4
ITU-T RECOMMENDATION X.518

Information technology – Open Systems Interconnection – The Directory:
Procedures for distributed operation

TECHNICAL CORRIGENDUM 2

Source

Corrigendum 2 to ITU-T Recommendation X.518 (1997) was prepared by ITU-T Study Group 7 (2001-2004) and approved on 2 February 2001. An identical text is also published as Technical Corrigendum 2 to ISO/IEC 9594-4.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

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.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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TECHNICAL CORRIGENDUM 2

NOTE – This Technical Corrigendum covers the result of the ballot resolutions of Draft Technical Corrigenda 3, 4, and 5.

1)   Defect reports covered by Draft Technical Corrigendum 3

(Covering resolutions to defect reports 233 and 235)

1.1)   This corrects the defects reported in defect report 9594/233

In Annex A:

> *Change all occurrences of* **joint-iso-ccitt** *to* **joint-iso-itu-t**

> *Add* **enhancedSecurity** *to the import from* **UsefulDefinitions**

> *Add a semicolon to the end of import from* **DirectoryAccessProtocol**.

1.2)   This corrects the defects reported in defect report 9594/235

Replace the last three paragraphs of 10.8 as follows:

An **AccessPointInformation** value identifies one or more access points to the Directory.

```
AccessPointInformation  ::=  SET {
    COMPONENTS OF           MasterOrShadowAccessPoint,
    additionalPoints    [4]    MasterAndShadowAccessPoints OPTIONAL }
```

In the case of 1988 edition DSAs producing an **AccessPointInformation** value, the optional component of the set is absent. In the case of 1988 edition DSAs interpreting an **AccessPointInformation** value, any **MasterAndShadow-AccessPoints** value present is ignored.

In the case of post-1988 edition DSAs, the **MasterOrShadowAccessPoint** value component produced for an **AccessPointInformation** value may be of category master or shadow, as determined by the knowledge selection procedure of the DSA producing the value. It may be viewed as a suggested access point provided by the DSA generating the value to the DSA receiving it. A **MasterAndShadowAccessPoints** value may optionally also be produced for an **AccessPointInformation** value. This constitutes additional information which may be employed by the receiving DSA's knowledge selection procedure to determine an alternative access point.

Change the ASN.1 in Annex A.

2)   Defect reports covered by Draft Technical Corrigendum 4

(Covering resolutions to defect reports 234 and 248)

2.1)   This corrects the defects reported in defect report 9594/234

Delete the last sentence of 15.3.1 (If protection is performed on the arguments, request decomposition shall not be used.)

2.2)   This corrects the defects reported in defect report 9594/248

In 25.1.4 and in Annex D replace:

    NHOBSubordinateToSuperior ::= SubordinateToSuperior (
        WITH COMPONENTS { ..., alias ABSENT, entryInfo ABSENT})

with:

    NHOBSubordinateToSuperior ::= SEQUENCE {
        accessPoints   [0]   MasterAndShadowAccessPoints OPTIONAL,
        subentries   [3]   SET OF SubentryInfo OPTIONAL }

3)   Defect reports covered by Draft Technical Corrigendum 5

(Covering resolutions to defect reports 228, 242 and 265)

3.1)   This corrects the defects reported in defect report 9594/228

Delete the last paragraph of 16.3.9 and clause 21.

Delete any occurrence of:

    DIRQOP.&…-QOP{@dirqop} ,

Insert the following at the begining of 15.5.5

Warning – This subclause refers to specifications that have been deprecated with respect to encryption. Signing of requests is not deprecated.

In Annex A, remove the **DIRQOP** *from the import.*

3.2)   This corrects the defects reported in defect report 9594/242

Add size limit **SIZE (1..MAX)** *to all optional* **SET OF** *and* **SEQUENCE OF** *constructs.*

3.3)   This corrects the defects reported in defect report 9594/265

In the first paragraph of 14.5, replace subordinate DSA *with* those DSAs.

Add the following new paragraph and Note to the end of 15.3.1:

The **argument** of a chained request (see 12.1) or subrequest shall be the unmodified operation argument if the operation was initiated by a DUA. A DSA receiving a chained request shall not change **argument** when doing request decomposition.

    NOTE – The following subclauses specify that requirement for individual components of **argument**. This should not be interpreted to mean that a component not explicitly mentioned can be changed.

At the beginning of the last paragraph of 15.5.2, add it does not support *after* "If a DSA encounters an extension". *Change* execution phase *to* evaluation phase.

Delete 19.3.1.1.3.

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