



**INTERNATIONAL STANDARD ISO/IEC 9594-4:1998
TECHNICAL CORRIGENDUM 1**

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

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — L'annuaire: Procédures pour le fonctionnement réparti

RECTIFICATIF TECHNIQUE 1

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INTERNATIONAL STANDARD
ITU-T RECOMMENDATION

INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION – THE
DIRECTORY: PROCEDURES FOR DISTRIBUTED OPERATION

TECHNICAL CORRIGENDUM 1

1) Resolution to defect report 9594/157

Subclause 19.1.4 Modify DN operation

After the first paragraph of bullet 9), add the following new paragraph:

If the entry, alias entry or subentry was within the **UnitOfReplication** of one or more shadowing agreements held by the DSA, and the superior of the renamed entry, alias entry or subentry is not within this **UnitOfReplication**, the shadow consumers shall be updated using the procedures of the Directory shadow service specified in ITU-T Rec. X.525 | ISO/IEC 9594-9; in this case the shadowed entry and all its subordinates shall be removed.

If the entry, alias entry or subentry was not within the **UnitOfReplication** of one or more shadowing agreements held by the DSA, and the renamed entry, alias entry or subentry is now within this **UnitOfReplication**, the shadow consumers shall be updated using the procedures of the Directory shadow service specified in ITU-T Rec. X.525 | ISO/IEC 9594-9; in this case the shadowed entry and all its subordinates shall be shadowed.

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2) Resolution to defect report 9594/159

Subclause 19.3.2.2.1 Search procedure (I) [ISO/IEC 9594-4:1998/Cor 1:2001](https://standards.iteh.ai/catalog/standards/sist/a206ad1f-aa1f-4bce-9c48-19322111b111)
<https://standards.iteh.ai/catalog/standards/sist/a206ad1f-aa1f-4bce-9c48-19322111b111>

Replace the whole text of the subclause 19.3.2.2.1.1 b) i) with the following text:

- i) If e is unsuitable, make a **continuationReference** as follows and add it to **SRContinuationList**:
 - **targetObject** set to the DN of DSE e;
 - **operationProgress** with **nameResolutionPhase** set to **proceeding** and **nextRDNtoBeResolved** set to the number of RDNs in e;
 - all other components of **continuationReference** are unchanged.
 Then return.

In the Note following subclause 19.3.2.2.1.1 b) i), remove the brackets with their content.

Subclause 18.3.1 Find DSE procedure

Delete in step 9) the first paragraph and NOTE 5.

3) Resolution to defect report 9594/162

Subclause 20.4.5 APInfo procedure

Replace the text of the second to last dash of 5) c), "**ChainingArguments.exclusions** absent" with the following:

- "**chainingArguments.exclusions** is set to either the relevant exclusions for the current target object if called by the Search Continuation Reference procedure, or absent if the APInfo procedure was called by the Name Resolution or the List Continuation procedures."

4) Resolution to defect report 9594/180

Subclause 10.3 Chaining Arguments

Delete bullet g) (which is a duplicate of o)) and renumber the following items. Modify the order of m) n) and o) to o), n) m) which, with the renumbering will become:

- l) The **entryOnly** ...
- m) **uniqueIdentifier** ...
- n) **authenticationLevel** ...

5) Resolution to defect report 9594/190

Subclause 19.3.1.2.2 List procedure (II)

In bullet 1) add a new step before a) and renumber the subsequent steps accordingly:

- a) If 'e' is not an entry or alias, continue with the next immediate subordinate.
- b) Check ACI ...

6) Resolution to defect report 9594/198

Subclause 17.3.3.1 DUA request

Insert two new bullets e) and f) into 17.3.3.1 after bullet d) and renumber the existing e), f), g) as g), h), i) to read as follows:

- d) **ChainingArguments.AuthenticationLevel** and **ChainingArgument.UniqueID** are set according to the local security policy.
- e) **ChainingArguments.nameResolveOnMaster** is copied from **CommonArguments.nameResolveOnMaster**.
- f) **ChainingArguments.exclusions**, **ChainingArguments.entryOnly** and **ChainingArguments.referenceType** are copied from **CommonArguments.exclusions**, **CommonArguments.entryOnly** and **CommonArguments.referenceType** if they are present, otherwise they are omitted.
- g) If the **manageDSAIT** option is set ...

7) Resolution to defect report 9594/206

Clause 21 Results Merging procedure

Add the following Note after bullet 6):

"NOTE – In case a DSA receives search or list results from other DSAs, and such results have parameters unknown to the DSA, the uncorrelated results shall be returned. Otherwise, the DSA shall perform merging, if the search results are not signed.

A DSA which received unsigned, uncorrelated results from a DSA not able to perform consolidation, shall perform merging, if it has the proper knowledge of all parameters of the uncorrelated results."

8) Resolution to defect report 9594/209

Subclause 12.1 Chained operations and Annex A

Modify the ASN.1 of **ERRORS** as follows:

ERRORS {operation.&Errors Except referral| dsaReferral}

9) Resolution to defect report 9594/211

Subclause 10.3

Change **timeLimit** in **ChainingArguments** to:

timeLimit [9] Time OPTIONAL,

Insert the following after the ASN.1 definition of **ChainingArguments**:

```
Time ::= CHOICE {
    utcTime UTCTime,
    generalizedTime GeneralizedTime }
```

Add the following to k):

Before a value of **Time** is used in any comparison operation, and if the syntax of **Time** has been chosen as the **UTCTime** type, the value of the two-digit year field shall be rationalized into a four-digit year value as follows:

- If the 2-digit value is 00 through 49 inclusive, the value shall have 2000 added to it.
- If the 2-digit value is 50 through 99 inclusive, the value shall have 1900 added to it.

NOTE – The use of **GeneralizedTime** may prevent interworking with implementations unaware of the possibility of choosing either **UTCTime** or **GeneralizedTime**. It is the responsibility of those specifying the domains in which this Directory Specification will be used, e.g. profiling groups, as to when the **GeneralizedTime** may be used. In no case shall **UTCTime** be used for representing dates beyond 2049.

Also make the ASN.1 changes to Annex A.

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