INTERNATIONAL STANDARD ISO/IEC 9594-4:1990
TECHNICAL CORRIGENDUM 3

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Information technology – Open Systems Interconnection – The Directory –

Part 4:
Procedures of distributed operation

TECHNICAL CORRIGENDUM 3

Technologies de l'information – Interconnexion de systèmes ouverts – L'annuaire –

Partie 4: Procédures pour le fonctionnement réparti

RECTIFICATIF TECHNIQUE 3

Technical corrigendum 3 to International Standard ISO/IEC 9594-4:1990 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

Page 13

Subclause 12.9.1

Replace the ASN.1 specification of ContinuationReference with the following:

```
ContinuationReference   ::=   SET {
    targetObject        [0]   Name,
    aliasedRDNs         [1]   INTEGER OPTIONAL
    operationProgress   [2]   OperationProgress,
    rdnsResolved        [3]   INTEGER OPTIONAL,
    referenceType       [4]   ReferenceType OPTIONAL,
    accessPoints        [5]   SET OF AccessPoint
    entryOnly           [6]   BOOLEAN DEFAULT FALSE
                              --ABSENT UNLESS ALIASDEREFERENCED IS TRUE--
                              --and operation is search one level --
                              }
```

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Page 15

Subclause 12.9.2.5

Delete the following phrase:

"which is only present in the DSA abstract service,"

Add a new subclause 12.9.2.7 with the following text to define the new **entryOnly** argument:

12.9.2.7 The **entryOnly** component is set to **TRUE** if the original operation was a search, with the **subset** argument set to **oneLevel**, and an alias entry was encountered as an immediate subordinate of the **baseObject**. The DSA which successfully performs name resolution on the **targetObject** name, shall perform object evaluation on only the named entry.

Page 24

Subclause 18.5

Add a third paragraph to the subclause as follows:

If the DSA executes referrals, use of **traceInformation** is not sufficient to detect or avoid loops. A DSA executing referrals shall use the procedure of 18.5.3 for loop avoidance. Note that detection of loops due to the failure of other DSAs to follow this procedure is not possible.

Insert a new subclause 18.5.3 as follows:

18.5.3 Loop Avoidance with Referrals

Loop avoidance in the execution of referrals requires that a DSA, immediately prior to executing a referral and in addition to the procedure of 18.5.2, check whether the consequential state of the operation has occurred previously for that DSA in relation to the processing of the original query. To do this, it is necessary for the DSA to maintain a list of these states for all requests and subrequests relating to the original query which it sends to other DSAs.

Page 35

Annex A

Add **AccessPoint** to the **EXPORTS** production.