ITU-T

TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU X.501
Corrigendum 3

(02/2011)

SERIES X: DATA NETWORKS, OPEN SYSTEM COMMUNICATIONS AND SECURITY Directory

Information technology – Open Systems Interconnection – The Directory: Models

Technical Corrigendum 3

Recommendation ITU-T X.501 (2005) – Technical Corrigendum 3



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INTERNATIONAL STANDARD ISO/IEC 9594-2 RECOMMENDATION ITU-T X.501

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History

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FOREWORD

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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.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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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, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at http://www.itu.int/ITU-T/ipr/.

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(covering resolution to defect reports 339, 343, 345 and 346)

1) Correction of the defects reported in defect report 339

Make the following changes to 28.6.1 of Rec. ITU-T X.501 | ISO/IEC 9594-2:

 ${\tt dSAOperationalBindingManagementBind} \quad {\tt OPERATION} \quad ::= \quad {\tt dSAirectory} {\tt Bind}$

The components of the dSAOperationalManagementBind are identical to their counterparts in dSAirectoryBind (see ITU-T Rec. X.5148 | ISO/IEC 9594-34) with the following differences.

NOTE The credentials required for authentication may be carried by the Security Exchange Service Element (see ITU T Rec. X.519 | ISO/IEC 9594-5) in which case they are not present in the bind arguments or results.

28.6.1.1 Initiator Credentials

The Credentials of the DirectoryBindArgument allows information identifying the AE-Title of the initiating DSA to be sent to the responding DSA. The AE title shall be in the form of a Directory Distinguished Name.

28.6.1.2 Responder Credentials

The Credentials of the DirectoryBindResult allows information identifying the AE Title of the responding DSA to be sent to the initiating DSA. The AE title shall be in the form of a Distinguished Name.

Make the following changes to Annex G of Rec. ITU-T X.501 | ISO/IEC 9594-2:

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-- from ITU-T Rec. X.511 | ISO/IEC 9594-3
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CommonResultsSeq, directoryBind, securityError, SecurityParameters FROM DirectoryAbstractService directoryAbstractService

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-- from ITU-T Rec. X.518 | ISO/IEC 9594-4
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AccessPoint, dSABind

FROM DistributedOperations distributedOperations

 $dSAOperationalBindingManagementBind OPERATION ::= <math>dSA\frac{i}{i}$ ectoryBind

2) Correction of the defects reported in defect report 343

Insert a new subclause 22.1.11 and renumber subsequent subclauses:

22.1.11 root naming context: The set of subordinate references of the root to be held by first level DSAs.

Update the last part of 22.5 as shown:

The administrative authorities for first level DSAs are jointly responsible for the administration of the immediate subordinates of the root of the DIT. This set of subordinate references is called the *root naming context*. The procedures governing this joint root naming context administration are determined by multilateral agreements which are outside the scope of these Directory Specifications.

NOTE – In a related entries environment, it is possible that some first-level entries will have the same name, creating multiple DITs. The administrative authorities for the associated first level DSAs are jointly responsible for the administration of these DITs.

ISO/IEC 9594-2:2005/Cor.3:2011 (E)

To limit the quantity of interrogation requests that might be directed to a master first level DSA (i.e., a DSA that is a master for a naming context immediately subordinate to the root of the DIT), it is possible to establish shadow first level DSAs for that master first level DSA. Such shadow DSAs hold copies of the entries and the root naming contextsubordinate references immediately subordinate to the root held in its master (or supplier) first level DSA. They therefore may serve as a superior reference for non-first level DSAs.

In Annex S, change one occurrence of: root context to: root naming context.

3) Correction of the defects reported in defect report 345

In 28.6.2, change 9.3.2 of ITU-T Rec. X.519 | ISO/IEC 9594-5 to 9.2.2 of ITU-T Rec. X.519 | ISO/IEC 9594-5.

4) Correction of the defects reported in defect report 346

Replace in 28.4 and Annex G the definition of TerminateOperationalBindingResult with:

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