

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.511

Corrigendum 1
(02/2011)

SERIES X: DATA NETWORKS, OPEN SYSTEM
COMMUNICATIONS AND SECURITY

Directory

Information technology – Open Systems
Interconnection – The Directory: Abstract service
definition

Technical Corrigendum 1

Recommendation ITU-T X.511 (2008) – Technical
Corrigendum 1

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**Information technology – Open Systems Interconnection –
The Directory: Abstract service definition**

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History

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FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). 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.

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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INTERNATIONAL STANDARD
RECOMMENDATION ITU-TInformation technology – Open Systems Interconnection –
The Directory: Abstract service definition

Technical Corrigendum 1

*(covering resolution to defect reports 336 and 338)***1) Correction of the defects reported in defect report 336***Add new items vii) to ix) to item 2) in 11.3.5:*

- vii) *Add* permission for the attribute type and for each of the values in the **replaceValues** if the operation attempts to add the attribute type. If these permissions are not granted, the operation fails in accordance with 11.3.5.1, item g).
- viii) *Remove* permission for the attribute type in the **replaceValues** parameter if the operation attempts to remove the attribute. If this permission is not granted, the operation fails in accordance with 11.3.5.1, item b).
- ix) *Remove* permission for all the values currently in the attribute and *Add* permission for all values in the **replaceValues** if the operation attempts to replace the values.
 - If all the *Remove* permissions are not granted, the operation fails in accordance with 11.3.5.1, item d).
 - If all the *Remove* permissions are granted, but all the *Add* permissions are not granted, the operation fails in accordance with 11.3.5.1, item g).

Change items b) and d) in 11.3.5.1 as follows:

- b) If the operation fails as defined in 11.3.5 item 2), subitem ii) or subitem viii), the valid error returns are one of: if *DiscloseOnError* permission is granted to the attribute being removed and the attribute exists, a **securityError** with problem **insufficientAccessRights** or **noInformation** shall be returned; otherwise, an **attributeError** with problem **noSuchAttributeOrValue** shall be returned.
- d) If the operation fails as defined in 11.3.5 item 2), subitem iv) or subitem ix), first bullet, the valid error returns are one of: if *DiscloseOnError* permission is granted to any of the attribute values being removed, a **securityError** with problem **insufficientAccessRights** or **noInformation** shall be returned; otherwise, an **attributeError** with problem **noSuchAttributeOrValue** shall be returned.

Add new item to the list:

- g) If the operation fails as defined in 11.3.5 item 2), subitem vii) or subitem ix), second bullet, a **securityError** with problem **insufficientAccessRights** or **noInformation** shall be returned.

2) Correction of the defects reported in defect report 338*Delete 3.7.12.**In 10.1 and in Annex A, change in the PartialOutcomeQualifier:**from:*

```
streamedResult          [10]  BOOLEAN DEFAULT  FALSE }
```

to:

```
--                      [10]  Not to be used -- }
```

Modify the seventh paragraph (i.e., the one immediately before the bullet list) in clause 10.1.3 as follows:

The **partialOutcomeQualifier** consists of eight ~~nine~~ subcomponents as described below. This parameter shall be present whenever the result is incomplete because of a time limit, size limit, or administrative limit problem, because regions of the DIT were not explored, because some critical extensions were unavailable, because an unknown error was received, because paged results are being returned, an overspecified filter is to be indicated, or one or more notification attributes are to be returned, ~~or the result of an operation is a streamed result and this response is not the last response of the result:~~

Delete item i) in the letter-numbered list of 10.1.3.

Delete NOTE 3 in 10.1.3.

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