

## Recommendation X.511 | ISO/IEC 9594-3

### Technical Corrigendum 2 to the 3<sup>rd</sup> edition

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

### Defect reports covered by Draft Technical Corrigendum 3

(Covering resolutions to defect reports 231 and 232)

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*This corrects the defects reported in defect report 9594/231.*

This technical corrigendum makes modifications to technical corrigendum 2.

Instead of the ASN.1 suggested in corrigendum 2, use the following data type:

```
SimpleCredentials ::= SEQUENCE {
    name          [0]  DistinguishedName,
    validity      [1]  SET {
        time1     [0]  CHOICE {
            utc    UTCTime,
            gt     GeneralizedTime } OPTIONAL,
        time2     [1]  CHOICE {
            utc    UTCTime,
            gt     GeneralizedTime } OPTIONAL,
        random1   [2]  BIT STRING OPTIONAL,
        random2   [3]  BIT STRING OPTIONAL },
    password      [2]  CHOICE {
        unprotected OCTET STRING,
        protected   SIGNATURE {OCTET STRING} } OPTIONAL}

```

Change the notes suggested for 7.10 and 8.1.1 to normative text.

*This corrects the defects reported in defect report 9594/232.*

General:

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

In “7.2 Information types defined elsewhere”:

Replace **OPTIONALLY-SIGNED** with **OPTIONALLY-PROTECTED** and **OPTIONALLY-PROTECTED-SEQ**

In annex A:

add **basicAccessControl** and **enhancedSecurity** to the import from **UsefulDefinitions**

Add a new import:

```
AttributeTypeAndValue
FROM BasicAccessControl basicAccessControl

```

Add **ENCRYPTED** to the import from **AuthenticationFramework**

Move the semicolon from the end of the import from **Remote-Operations-Generic-ROS-PDUs** to the end of import from **SpkmGssTokens**.

In the import from **SpkmGssTokens**, change **SPKM-REP-IT** to **SPKM-REP-TI**

## Defect reports covered by Draft Technical Corrigendum 4

(Covering resolutions to defect reports 247)

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*This corrects the defects reported in defect report 9594/247.*

In the Introduction, change from:

Annex B, which is an integral part of this Recommendation | International Standard, ..  
to:

Annex B, which is not an integral part of this Recommendation | International Standard, ..  
In 7.4, add the following construct and explanatory note after **CommonResults**:

```
CommonResultsSeq ::= SEQUENCE {  
  securityParameters [30] SecurityParameters OPTIONAL,  
  performer [29] DistinguishedName OPTIONAL,  
  aliasDereferenced [28] BOOLEAN DEFAULT FALSE }
```

NOTE – **CommonResults** and **CommonResultsSeq** consist of the same components. The former is used when included in set types by the **COMPONENT OF** type, while the latter is used similarly in sequenced types.

In the **AbandonResult**, **AddEntryResult**, **RemoveEntryResult**, **ModifyEntryResult** and **ModifyDNResult** change **CommonResults** to **CommonResultsSeq**

## Defect reports covered by Draft Technical Corrigendum 5

(Covering resolutions to defect reports 224, 228, 242, and 263)

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*This corrects the defects reported in defect report 9594/224.*

*In subclause 7.8, change “undefined” to “UNDEFINED” in all places to indicate parity with “TRUE” and “FALSE” for the three-valued logic defined in this subclause.*

*In subclause 7.8.2, add to the end of 3rd paragraph:*

When these conditions are not met, the **FilterItem** shall evaluate to the logical value UNDEFINED.

Delete NOTE 1 and change NOTE 2 (which is now NOTE 1) to:

NOTE 1 – Access control restrictions may affect the evaluation of the **FilterItem** and may cause the **FilterItem** to evaluate to UNDEFINED.

*Insert new paragraph after the new NOTE 1:*

An assertion which is defined by these conditions additionally evaluates to UNDEFINED if it relates to an attribute value and the attribute type is not present in an attribute against which the assertion is being tested.  
An assertion which is defined by these conditions and relates to the presence of an attribute type evaluates to FALSE.

*This corrects the defects reported in defect report 9594/228.*

*Delete any occurrence of*

**DIRQOP.&...-QOP{@dirqop}**

*In 9.3, change **OPTIONALLY-PROTECTED** to **OPTIONALLY-PROTECTED-SEQ** in both **AbandonArgument** and **AbandonResult**.*

*In 11.1.1, change **PROTECTED** to **OPTIONALLY-PROTECTED-SEQ** in **AddEntryResult**.*

*In 12.1.1, change **PROTECTED** to **OPTIONALLY-PROTECTED-SEQ** in **RemoveEntryResult**.*

*In 13.1.1, change **OPTIONALLY-PROTECTED** to **OPTIONALLY-PROTECTED-SEQ** in **ModifyEntryResult**.*

*In 14.1.1, change **OPTIONALLY-PROTECTED** to **OPTIONALLY-PROTECTED-SEQ** in **ModifyDNResult**.*

*In Annex A, make the changes as indicated above.*

*In Annex A, delete*

**PROTECTED**

**FROM Notation { joint-iso-itu-t genericULS (20) modules (1) notation (1) }**

*In Annex A, add **OPTIONALLY-PROTECTED-SEQ** to and delete **DIRQOP** from the import from **EnhancedSecurity**.*

*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.

*This corrects the defects reported in defect report 9594/263.*

*Change the last sentence of the second to the paragraph of 7.1 to:*

Each of the subclauses 7.3 through 7.10 identifies and defines an information type.

*Delete NOTE 1 in 8.1.2.*

*Change the third paragraph of 8.1.2 to:*

**GeneralizedTime** shall be used for **time1** and **time2** if the negotiated version is **v2** or greater. The use of **GeneralizedTime** when **v1** has been negotiated 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. **UTCTime** shall not be used for representing dates beyond 2049.