

DEFECT REPORT FORM

1. Defect Report Number:                   **229**  
  
Title:   Wrong references and minor ASN.1 errors in X.501
2. Source: CEN/ISSS/WS-DIR (ISSS-x501-2)
3. Addressed to:     ISO/IEC JTC1/SC6 and ITU-T SG 7  
      Editor Group on the Directory
4. (a) WG Secretariat:                    UK (BSI)  
   (b) ITU-T WP:    WP 4
5. Date Circulated by WG Secretariat:
6. Deadline for Response from Editor:
7. Defect Report Concerning: ITU-T Rec. X.501 (1997) | ISO/IEC 9594-2:1998
8. Qualifier: Errors
9.       References in Document: 17.4.3, 18.1.2, 18.1.3, Annex B, Annex F, Annex P
10. Nature of Defect: (complete, concise explanation of the perceived problem)

In 2.1:

The reference to the Replication document is wrong (Part number and year).

In 17.4.3:

**attributeValueSecurityLabelContext** specification has a wrong syntax  
**KeyIdentifier** is defined, but also imported from **CertificateExtensions**.

In 18.1.2:

```
AttribsHash ::= HASH { SEQUENCE {  
    subject                    Name,  
    protectedAttributes        SEQUENCE OF ProtectedAttributes } }  
    -- Attribute type and values with associated context values for the selected Scope
```

The **ProtectedAttributes** should only be **Attribute** according to the Operational Security amendment.

In 18.1.3:

**attributeValueIntegrityInfoContext** specification has a wrong syntax

The type reference **AttributeTypeValueContext** is missing an **s** at the end (or the reference to the data type in **AVIHash** has an **s** too much)

In annex B.

The import of **OPTIONALLY-SIGNED** should be deleted from **DirectoryAbstractService**

In annex C:

The **application** component of **AttributeTypeInfo** has an **s** missing at the end of the default **userApplication**

In Annex D:

The import of **directoryAbstractService** is missing from **UsefulDefinitions**

The import of **SupportedAttributes** is missing from **InformationFramework**

**Filter** should be imported from **DirectoryAbstractService**

In Annex F:

The import of **enhancedSecurity** is missing from **UsefulDefinitions**

In annex P:

The import of **basicAccessControl** is missing from **UsefulDefinitions**

**Context** and **SupportedAttributes** is missing in the import from **InformationFramework**

**AttributeTypeAndValue** should be imported from **BasicAccessControl**

**ENCRYPTED** is missing in the import from **AuthenticationFramework**

## 11. Solution Proposed by the Source: (optional)

In 2.1:

Replace:

- ITU-T Recommendation X.525 (1997) | ISO/IEC 9594-8:1999, *Information technology – Open Systems Interconnection – The Directory: Replication*.

with:

- ITU-T Recommendation X.525 (1997) | ISO/IEC 9594-9:1998, *Information technology – Open Systems Interconnection – The Directory: Replication*.

In 17.4.3:

In the **attributeValueSecurityLabelContext** specification replace **SYNTAX** with **WITH SYNTAX**

Delete the **KeyIdentifier** type.

The same changes shall be done in Annex P

In 18.1.2:

Change **AttribsHash** to:

```
AttribsHash ::= HASH { SEQUENCE {  
    subject           Name,  
    protectedAttributes SEQUENCE OF Attribute } }  
    -- Attribute type and values with associated context values for the selected Scope
```

The same shall be done in Annex P

In 18.1.3:

In the **attributeValueIntegrityInfoContext** specification replace **SYNTAX** with **WITH SYNTAX**

The same changes shall be done in Annex P

In annex B:

Delete **OPTIONALLY-SIGNED** import from **DirectoryAbstractService**

In annex C:

In the **application** component of **AttributeTypeInfoInformation** replace **userApplication** with **userApplications**

In Annex D:

Add **directoryAbstractService** to the import from **UsefulDefinitions**

Add **SupportedAttributes** to the import from **InformationFramework**

Add:

**Filter**  
**FROM DirectoryAbstractService directoryAbstractService**

In annex F:

Add **enhancedSecurity** to the import from **UsefulDefinitions**

Add (if added last, remember to move semicolon):

**PROTECTED**  
**FROM Notation { joint-iso-ccitt genericULS (20) modules (1) notation (1) }**

In annex P:

Add **basicAccessControl** to the import from **UsefulDefinitions**

Add **Context** and **SupportedAttributes** to the import from **InformationFramework**

Add:

**AttributeTypeAndValue**  
**FROM BasicAccessControl basicAccessControl**

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

12. Editor's Response:

(any material proposed for processing as an erratum to, an amendment to, or a commentary on the IS or DIS final text/ITU Recommendation or Draft Recommendation is attached separately to this completed report).