DEFECT REPORT FORM

1. <u>Defect Report Number</u>:   260

     Title: Ambiguity in **AttributeTypeAndDistinguishedValue**

2. <u>Source</u>: CEN/ISSS/WS-DIR

3. <u>Addressed to</u>:   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. <u>Date Circulated by WG Secretariat</u>:

6. <u>Deadline for Response from Editor</u>:

7. <u>Defect Report Concerning</u>: ITU-T Rec. X.501 (1997) | ISO/IEC 9594-2 : 1998

8. <u>Qualifier</u>:   (e.g.: error, omission, clarification required)

Errors

9. <u>References in Document</u>:   (e.g.: page, clause/section, figure, and/or table numbers)

9.3 and Annex B

10. <u>Nature of Defect</u>:   (complete, concise explanation of the perceived problem)

The **AttributeTypeAndDistinguishedValue** data type is defined as:

```
AttributeTypeAndDistinguishedValue ::= SEQUENCE {
     type                      ATTRIBUTE.&id ({SupportedAttributes}),
     value                     ATTRIBUTE.&Type({SupportedAttributes}{@type}),
     primaryDistinguished      BOOLEAN DEFAULT TRUE,
     valuesWithContext         SET SIZE (1 .. MAX) OF SEQUENCE {
         distingAttrValue          ATTRIBUTE.&Type ({SupportedAttributes}{@type}) OPTIONAL,
         contextList               SET SIZE (1 .. MAX) OF Context } OPTIONAL }
```

The **distingAttrValue** component is an open type and its syntax can be anything, including set-of. As it is **OPTIONAL**, it is required that its tag is different from that of the **contextList** component. This can only be generally assured if it given an additional tag.

11. <u>Solution Proposed by the Source</u>:   (optional)

```
AttributeTypeAndDistinguishedValue  ::=  SEQUENCE  {
        type                        ATTRIBUTE.&id ({SupportedAttributes}),
        value                       ATTRIBUTE.&Type({SupportedAttributes}{@type}),
        primaryDistinguished        BOOLEAN DEFAULT TRUE,
        valuesWithContext           SET SIZE (1 .. MAX) OF SEQUENCE {
                distingAttrValue    [0]   ATTRIBUTE.&Type ({SupportedAttributes}{@type}) OPTIONAL,
                contextList               SET SIZE (1 .. MAX) OF Context } OPTIONAL }
```

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).