DEFECT REPORT FORM

1. Defect Report Number : **306**

   Title: ASN.1 error introduced by Defect Report 255

2. Source : Erik Andersen

3. Addressed to : ISO/IEC JTC1/SC6 and ITU-T SG 17

   Editor Group on the Directory

4. (a) WG Secretariat: UK (BSI)
   (b) ITU-T WP: WP 2

5. Date Circulated by WG Secretariat :

6. Deadline for Response from Editor :

7. Defect Report Concerning :   ITU-T Rec. X.501 (2001) | ISO/IEC 9594-1 : 2001

   ITU-T Rec. X.501 (1997) | ISO/IEC 9594-1 : 1998 Cor. 2

8. Qualifier : (e.g.: error, omission, clarification required)

   Error

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

   Edition 3: 12.7.2 and Annex I.4
   Edition 4: 13.8.2 and Annex K.4

10. Nature of Defect : (complete, concise explanation of the perceived problem)

    Edition 3 had conflict between the definition of content rules and the examples given in Annex I.4. DR 255/Cor 2 changes the content rule specification to be in accordance with the examples in Annex I.4. Unfortunately, this introduced an ASN.1 error as indicated by the following error message from the ASN.1 checker:

    The 'UNIQUE' keyword shall not be present since the field '&structuralClass' is not a fixed-type value field.

11. Solution Proposed by the Source : (optional)

    In 12.7.2(ed3)/13.8.2(ed4) - Content rule specification: In the **CONTENT RULE ::= CLASS** change:

    &structuralClass   **OBJECT-CLASS**   **UNIQUE,**

    to:

    &structuralClass   **OBJECT-CLASS.&id**   **UNIQUE,**

This reverses the effect of DR 255

Annex I4(ed3)/Annex K.4(ed4) - DIT content rules, change from:

organizationRule CONTENT-RULE ::= {
STRUCTURAL OBJECT CLASSorganization }

organizationalUnitRule CONTENT-RULE ::= {
STRUCTURAL OBJECT CLASSorganizationalUnit
MAY CONTAIN   {
organizationalTelephoneNumber } }

organizationalPersonRule CONTENT-RULE ::= {
STRUCTURAL OBJECT CLASSorganizationalPerson
MUST CONTAIN   { manager }
MAY CONTAIN   {
organizationalTelephoneNumber } }

to:

organizationRule CONTENT-RULE ::= {
STRUCTURAL OBJECT CLASSid-oc-organization }

organizationalUnitRule CONTENT-RULE ::= {
STRUCTURAL OBJECT CLASSid-oc-organizationalUnit
MAY CONTAIN   {
organizationalTelephoneNumber } }

organizationalPersonRule CONTENT-RULE ::= {
STRUCTURAL OBJECT CLASSid-oc-organizationalPerson
MUST CONTAIN   { manager }
MAY CONTAIN   {
organizationalTelephoneNumber } }

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).