DEFECT REPORT FORM

1. Defect Report Number : 309

   Title: Mandating that **unavailableCriticalExtension** be returned if extension not supported

2. Source : Orlando 2004 Editing Meeting, UK-5

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

   Collaborative 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.511 (2001) | ISO/IEC 9594-3: 2001

   ITU-T Rec. X.511 (1997) | ISO/IEC 9594-3: 1998

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

   Error

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

   Subclause 7.3.1

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

    The Directory specification does not establish rules regarding the order in which a performing DSA is to decode and process PDUs that it receives. If a DSA decodes the entire PDU before processing each element, and if a new and unexpected value, such as **replaceValues**, is in place for a non-optional CHOICE, it is possible that the DSA will signal an encoding error. If, however, the DSA decodes the elements as they are needed, it will most likely detect an unknown critical extension and return an unsupported critical extension reason code to signal that the operation failed.

11. Solution Proposed by the Source : (optional)

    Insert the following paragraph following the first paragraph in clause 7.3.1:

    This specification does not establish rules regarding the order in which a performing DSA is to decode and process PDUs that it receives. A DSA that receives an unknown critical extension shall return an **unavailableCriticalExtension ServiceProblem** to signal that the operation failed.

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).