

DEFECT REPORT FORM

**1. Defect Report Number:**

Title: AdministrativeLimit

**2. Source: CEN/ISSS/WS-DIR (ISSS-x5xx-1)**

**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:**

FDAM 3 to ITU-T Rec. X.518 (1997) | ISO/IEC 9594-4 : 1998

FDAM 3 to ITU-T Rec. X.520 (1997) | ISO/IEC 9594-6 : 1998

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

Omission and clarification

**9. References in Document:**

16.1.4.4 of X.518 and 5.12.1 of X.520

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

16.1.4.4 of X.518 (Administrative Limits) states:

“There may be limits imposed by the local DSA administrator, e.g. the amount of time to spend on processing a request, or the maximum size of data to be returned. If any of these limits are exceeded the DSA shall return **serviceError** with problem **administrativeLimitExceeded**.”

This is somewhat inconsistent with Rec. X.511 | ISO/IEC 9594-3. The **LimitProblem** of

In addition, an administrative limit may be set not only by an administrator, but may also by the implementation itself that encounter some limit problem that makes it difficult to continue.

In some cases a DSA may be able to return some entries and in some cases it may not be reasonable to return any entry. In some cases the problem is permanent, most likely caused by a badly formulated search request. In other cases it may a temporary problem caused by congestion. ITU-T F.510 requires the later to be reported in some way to the user (Annex A – Message code 7.2).

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

*Replace 16.1.4.4 of X.518 with:*

### 16.1.4.4 Administrative Limits

There may be limits imposed by the local DSA administrator or by the DSA implementation itself, e.g. the amount of time to spend on processing a request, or the maximum size of data to be returned, etc. If any of these limits are exceeded the DSA shall return either a **serviceError** with problem **administrativeLimitExceeded** or a partial result (taken from the set of already collected results) with **limitProblem** set to **administrativeLimitExceeded**.

Additional information shall be returned in a **dSAPProblem** notification attribute as follows:

- a) if the limit is imposed by the administrator, the **dSAPProblem** notification attribute shall take the value **id-pr-administratorImposedLimit**;  
NOTE – This does not imply that an implementation is required to have customization capabilities for an administrator to implant administrative limits.
- b) if the limit caused by an implementation restriction and the problem is of permanent nature, the **dSAPProblem** notification attribute shall take the value **id-pr-permanentRestriction**;
- c) if the limit caused by an implementation restriction and the problem is of temporary nature, e.g. temporary congestion, the **dSAPProblem** notification attribute shall take the value **id-pr-temporaryRestriction**;

*Add the following to end of 5.12.1 of X.520:*

- c) **id-pr-administratorImposedLimit** – an operation has exceeded some limit set by the administrator;
- d) **id-pr-permanentRestriction** – an operation has caused the DSA to exceed some limit that causes the process to stop and a repeated operation is judged to encounter the same problem;
- e) **id-pr-temporaryRestriction** – An operation has caused the DSA to exceed some limit that causes the process to stop, but the reason is judged to be a temporary problem, e.g. resources depletion.

*Add the object identifiers to the end of -- Problems definitions --*

## 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).