

1. **Defect Report Number:** 9594/206
2. **Source:** EIDQ/FDAS & ISSS/WS DIR **Source Number:** ISSS-01
Title: Handling extensions for search results
3. **Addressed to:** ISO/IEC/JTC1/SC33/WG2 and ITU-T Study Group VII
4. (a) WG secretariat: Hoyt
(b) ITU-T WP: 4
5. **Date Circulated by WG Secretariat:**
6. **Deadline for response from Editor:**
7. **Defect Report Concerning:**

ISO/IEC 9594-3 / CCITT X.511 - The Directory: Abstract Service
Definition
ISO/IEC 9594-4 / CCITT X.518 The Directory: Procedures for
Distributed Operations

8. **Qualifier:** Omission
9. **References in Document:** Part 3 - 10.1.3
Part 4 - 21

10. **Nature of Defect:**

When providing for extensibility, some details about correlating list and search results were missing. In addition, it is not very clear that a DSA shall merge results if possible. It is only implicitly stated in Part 4, subclause 22.2, item b). This defect report affects Part 3 and 4.

The current standard only assumes that correlation is always possible except if results are signed. However, if new parameters are introduced in the list and/or search results that affect the merging process, a DSA not knowing those new parameters will not know how to deal with them when merging, and should therefore not attempt to merge with unknown fields into a merged result. However, it is possible to delete duplicate entries.

11. **Solution Proposed by the Source:**

In Part 3, in 10.1.3 in the last paragraph in the 1993 edition or next to the last paragraph in the 1997 edition, it is indicated that uncorrelated results only occur in the case of signed results. This paragraph should be amended to the following:

When the DUA has requested a protection request of signed, or if the Directory for other reasons are not able to correlate information, the **uncorrelatedListInfo** parameter°.....

In the clause 21 of part 4 - Result Merging procedure a new paragraph should be added to the end in the 1993 edition and added before the last paragraph in 1997 edition:

In case a DSA receives search or list results from other DSAs and such results have parameters unknown to the DSA, the uncorrelated results shall be returned. Otherwise, the DSA shall perform merging, if the search results are not signed.

A DSA received unsigned, uncorrelated results from a DSA not able to perform consolidation, shall perform merging, if it has the proper knowledge of all parameters of the uncorrelated results.

Possibly, there should be some addition to the extensibility in Part 5. Probably, it should also be specified that if a Search result is received with an unknown error in the PartialOutcomeQualifier, then this result shall not be merged into a common response.

12. Editor's Response:

Accepted.