

DEFECT REPORT FORM

1. Defect Report Number: 192
2. Source: UK
3. Addressed to: ISO/IEC/JTC1/SC21/WG4 and CCITT Study Group VII
Editor Group on the Directory
4. (a) WG Secretariat: Japan (JISC)
(b) CCITT WP: WP4
5. Date Circulated by WG Secretariat:
6. Deadline for Response from Editor:
7. Defect Report Concerning:
ISO/IEC 9594-2 (93)
8. Qualifier: (e.g. error, omission, clarification required)
Error (inconsistency)
9. References in Document: (e.g. page, clause/section, figure, and/or table numbers)
Clauses 11.7, 12.7.1, 13.6
10. Nature of Defect: (complete, concise explanation of the perceived problem)

Clause 13.6 3rd para states “Collective attributes contained within a subentry of this object class are conceptually available at *every* entry within the scope of the subentry’s **subtreeSpecification** attribute^o”. No further regulation of collective attributes is thus specified, other than the use of the **collectiveExclusions** attribute, which is described in the same clause.

However 12.7.1 1st para says “Collective attributes shall be included in DIT Content Rules if they are to be *permitted in* [sic] an entry”. Clause 11.7 also suggests (in non-normative wording) a contrary interpretation in the last sentence of the 1st note: “Additionally, a DIT Content Rule for such entries would need to be defined to allow collective attributes to become *visible in* the entries.”

11. Solution Proposed by the Source: (optional)

Since the subtree specifications of collective attribute subentries can be used to target entries to receive collective attributes as precisely as can content rules, the use of the latter is superfluous as well as complex. The following text amendment is therefore proposed:

In the note of clause 11.7, replace the last sentence with: “No DIT Content Rule for such entries needs to be defined to allow collective attributes to become visible in the entries (see also clause 13.6).”

Replace the last sentence of the first paragraph of 12.7.1 with: “Collective attributes are only permitted to be in subentries, where their presence is not regulated by DIT Content Rules; DIT Content Rules are not involved in making them visible in ordinary entries.”

Add a third sentence to the 3rd para of clause 13.6 after “ ° via the subentry”: “No content rules are required to allow a collective attribute to be visible in an ordinary entry; any content rule reference to a collective attribute is ignored.”

Note.

The evaluation of a collective attribute for search filters is complex, and conceptually involves, *for each entry in scope*, the evaluation of:

1. The collective attribute subentry to determine whether collective attributes are available for the entry, and whether any such attribute matches the filter
2. If content rules are involved, the subschema subentry to determine whether the collective attribute matching the filter is to be considered as visible (more than one such attribute may be involved)
3. The collectiveExclusions attribute in the entry to determine whether the entry has excluded the collective attribute
4. The prescriptive and entry ACI for the entry relating to the entry

so that removing content rules from consideration provides a useful simplification without loss of facility.