DEFECT REPORT

1. Report Number: 08

2. Source of report: Brian Kowalski, The Library Corporation

3. Report Submitted to: Interlibrary Loan Application Standards Maintenance Agency: 14 October 1999

4. Report Concerning: ISO 10161-1:1997(E)

5. Type of Defect: Technical

6. References in Document: Table A-3, Table A-5

7. Nature of Defect: According to *Table A.5, Requester State Table - Tracking Phase,* there is more than one way for an application to enter the RETURNED state. Once in the RETURNED state, both the "RETreq" and the "RETreq repeat" are permitted as incoming events. And there is nothing to prohibit an application from invoking "RETreq" multiple times, and nothing to prohibit each such "RETreq" from containing different information.

This arises from the state table's aim of robustness in the face of lost or out-of-sequence messages. It should not be permissible for the requester to issue multiple, mutually inconsistent RET APDUs.

8. Solution Proposed by the Source: Prohibit multiple invocation of RETreq. This requires additions to tables A-3 and A-5 as follows:

In table A-3 define a new predicate "p9"

Code	Meaning
p9	returns TRUE if the most recent event that caused a state change is NOT (RETreq, RET)

Revise the cell formed at the intersection of the incoming event "RETreq" and the "RETURNED" state in *Table A.5, Requester State Table - Tracking Phase*, to include annotation that the new predicate "p9" applies:

	RETURNED	...
RETreq	p9 RET (opt) RETURNED	...

9. Secretariat's Response: Pending