

## DEFECT REPORT

1. **Report Number:** 10
2. **Source of report:** Craig Wright, OCLC
3. **Report Submitted to:** Interlibrary Loan Application Standards  
Maintenance Agency: 17 November 1999
4. **Report Concerning:** ISO 10161-1:1997(E)
5. **Type of Defect:** Editorial
6. **References in Document:** Clause 8.2.10; Table A-6, Table A-9
7. **Nature of Defect:** There are several defects in ISO 10161 in the specification of events that disable expiry.
  - 7.1. Clause 8.2.10 specifies that receiving a CANCEL APDU disables the EXPIRY timer, but this action is not included in the cells in the Tables A-6 and A-9 where the receipt of a CANCEL APDU is the incoming event.
  - 7.2. Clause 8.2.10 specifies that if the responder receives a CONDITIONAL-REPLY:YES, the EXPIRY timer is reset. However, it does not specify the obvious corollary that if the responder receives a CONDITIONAL:REPLY:NO, the EXPIRY timer should be disabled.
  - 7.3. Clause 8.2.10 does not specify that the EXPIRY Timeout event should disable the EXPIRY timer, but failure to do so would result in continuously repeated EXPIRY Timeouts.
  - 7.4. In Table A-9, the EXPIRY timer is disabled in the intersection of SHIreq with IN-PROCESS. At the same time, there is a transition into the SHIPPED state. This action is inconsistent with several other cells in the IN-PROCESS state where, because of the optionality of the SHIPPED message, there is also a transition into the SHIPPED state but no action to disable the EXPIRY timer.
  - 7.5. In Tables A-6 and A-9, there is no way to restart or enable the EXPIRY Timer if a cancel request is rejected, and the transaction state changes from CANCEL-PENDING, back to IN-PROCESS (through the intersection of CARreq- with CANCEL-PENDING").
8. **Solution Proposed by the Source:**
  - 8.1. Revise the following cells in *Table A.6, Responder State Table - Processing Phase* and *Table A.9, Intermediary State Table - Responder Role*, adding the action "disable EXPIRY timer" to the following intersections where the receipt of a CANCEL APDU is the incoming event:
    - CAN with IN-PROCESS (p7)
    - CAN with CONDITIONAL (p7)
    - CAN with CONDITIONAL (^p7)
    - CAN repeat with CONDITIONAL

- 8.2. Revise the following cells in *Table A.6, Responder State Table - Processing Phase* and *Table A.9, Intermediary State Table - Responder Role*, adding the action "disable EXPIRY timer" to the following intersections where the receipt of a "CONDITIONAL-REPLY APDU: answer = no" is the incoming event:
- C-REP- with CONDITIONAL
- 8.3. Revise the following cells in *Table A.6, Responder State Table - Processing Phase* and *Table A.9, Intermediary State Table - Responder Role*, adding the action "disable EXPIRY timer" to the following intersections where the receipt of a "Transaction Timer Expiry" is the incoming event:
- EXPIRY Timeout with IN-PROCESS
  - EXPIRY Timeout with CONDITIONAL
- 8.4. In the penultimate paragraph of Clause 8.2.10, add the following to the list of events at the responder that will disable the EXPIRY timer:
- receive CONDITIONAL-REPLY APDU with answer NO
  - EXPIRY Timeout
- 8.5. Revise the following cells in *Table A.9, Intermediary State Table - Responder Role*, adding the action "disable EXPIRY timer" to the following intersections where there is a transition to the SHIPPED state:
- CHKreq with IN-PROCESS
  - DUEreq with IN-PROCESS
  - RCLreq with IN-PROCESS
  - LSTreq with IN-PROCESS
  - RCV with IN-PROCESS
  - RET with IN-PROCESS
  - REN with IN-PROCESS
  - LST with IN-PROCESS
  - DAM with IN-PROCESS
- 8.6. Revise the following cell in *Table A.6, Responder State Table - Processing Phase* and *Table A.9, Intermediary State Table - Responder Role*, adding the action "enable EXPIRY timer" to the following intersection:
- CARreq- with CANCEL-PENDING

**Table A-6 Responder State Table - Processing Phase: Revised Cells**

	<b>IN-PROCESS</b>	<b>CONDITIONAL</b>	<b>CANCEL-PENDING</b>
CARreq-			CAR- enable EXPIRY timer IN-PROCESS
C-REP-		C-REPind- disable EXPIRY timer NOT-SUPPLIED	
CAN	p7 CANind disable EXPIRY timer CANCEL-PENDING	CANind disable EXPIRY timer CANCEL-PENDING	

	<b>IN-PROCESS</b>	<b>CONDITIONAL</b>	<b>CANCEL-PENDING</b>
CAN	^p7 ...	CANind disable EXPIRY timer CANCEL-PENDING	
CAN repeat		CANind disable EXPIRY timer CANCEL-PENDING	
EXPIRY Timeout	EXPind disable EXPIRY timer NOT-SUPPLIED	EXPind disable EXPIRY timer NOT-SUPPLIED	

**Table A-9 Intermediary State Table - Responder Role: Revised Cells**

	<b>IN-PROCESS</b>	<b>CONDITIONAL</b>	<b>CANCEL-PENDING</b>
CARreq-			CAR- enable EXPIRY timer IN-PROCESS
CHKreq	CHK (opt) disable EXPIRY timer SHIPPED		CHK (opt) SHIPPED
DUEreq	DUE disable EXPIRY timer SHIPPED		
RCLreq	RCL disable EXPIRY timer SHIPPED		
LSTreq	LST disable EXPIRY timer SHIPPED		
C-REP-		C-REPind- disable EXPIRY timer NOT-SUPPLIED	
CAN	p7 CANind disable EXPIRY timer CANCEL-PENDING	CANind disable EXPIRY timer CANCEL-PENDING	
CAN	^p7 ...	CANind disable EXPIRY timer CANCEL-PENDING	
CAN repeat		CANind disable EXPIRY timer CANCEL-PENDING	
RCV	RCVind disable EXPIRY timer SHIPPED		

	<b>IN-PROCESS</b>	<b>CONDITIONAL</b>	<b>CANCEL-PENDING</b>
RET	RETind disable EXPIRY timer SHIPPED		
REN	RENind disable EXPIRY timer SHIPPED		
LST	LSTind disable EXPIRY timer SHIPPED		
DAM	DAMind disable EXPIRY timer SHIPPED		
EXPIRY Timeout	EXPind disable EXPIRY timer NOT-SUPPLIED	EXPind disable EXPIRY timer NOT-SUPPLIED	

9. **Secretariat's Response:** Pending