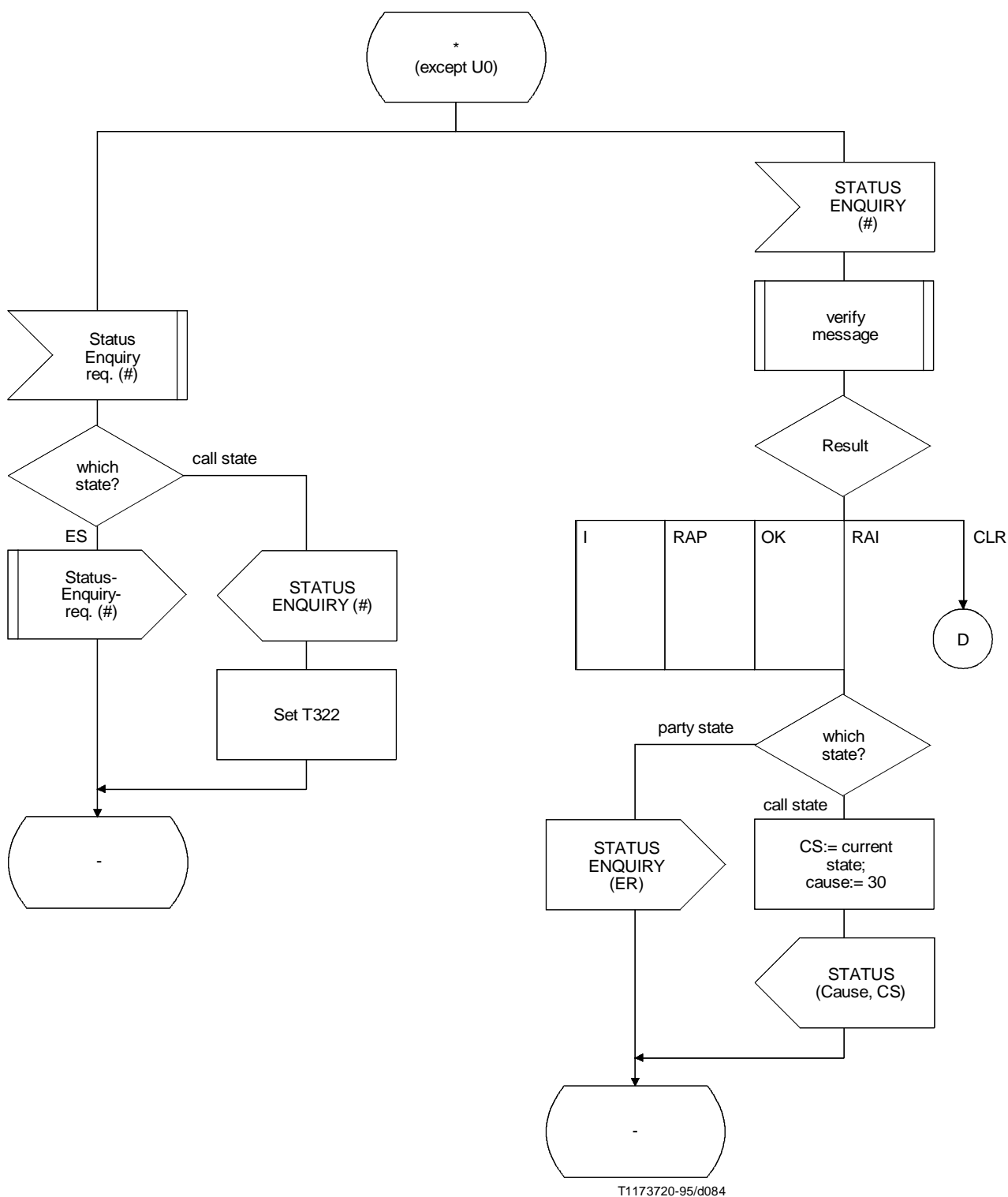
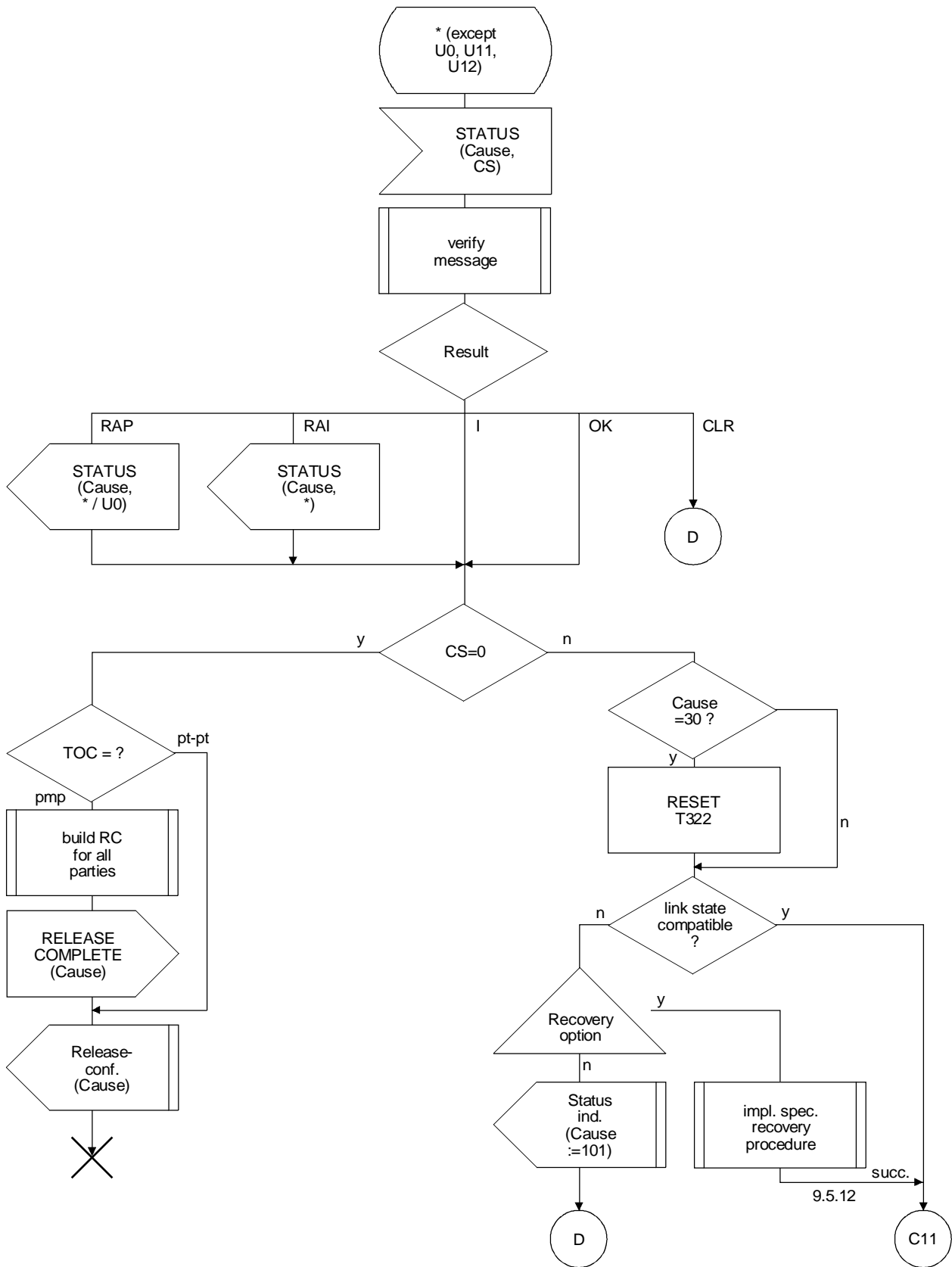


T1179380-96/d083

Process Call-Control-U
(Sheet 30 of 39)

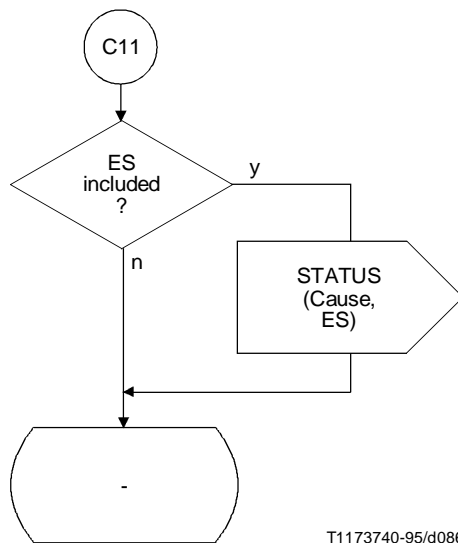


Process Call-Control-U
(Sheet 31 of 39)



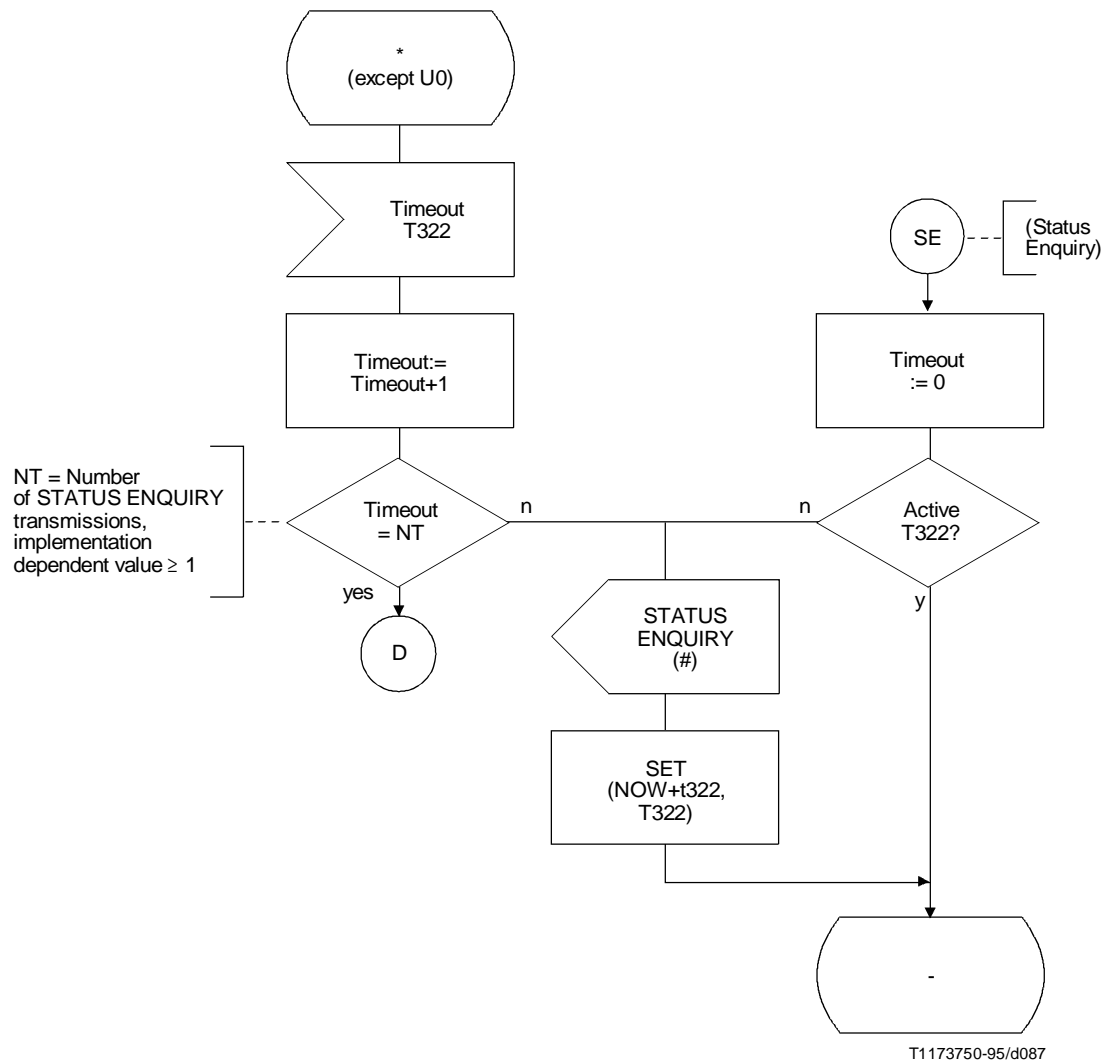
T1179390-96/d085

Process Call-Control-U
(Sheet 32 of 39)

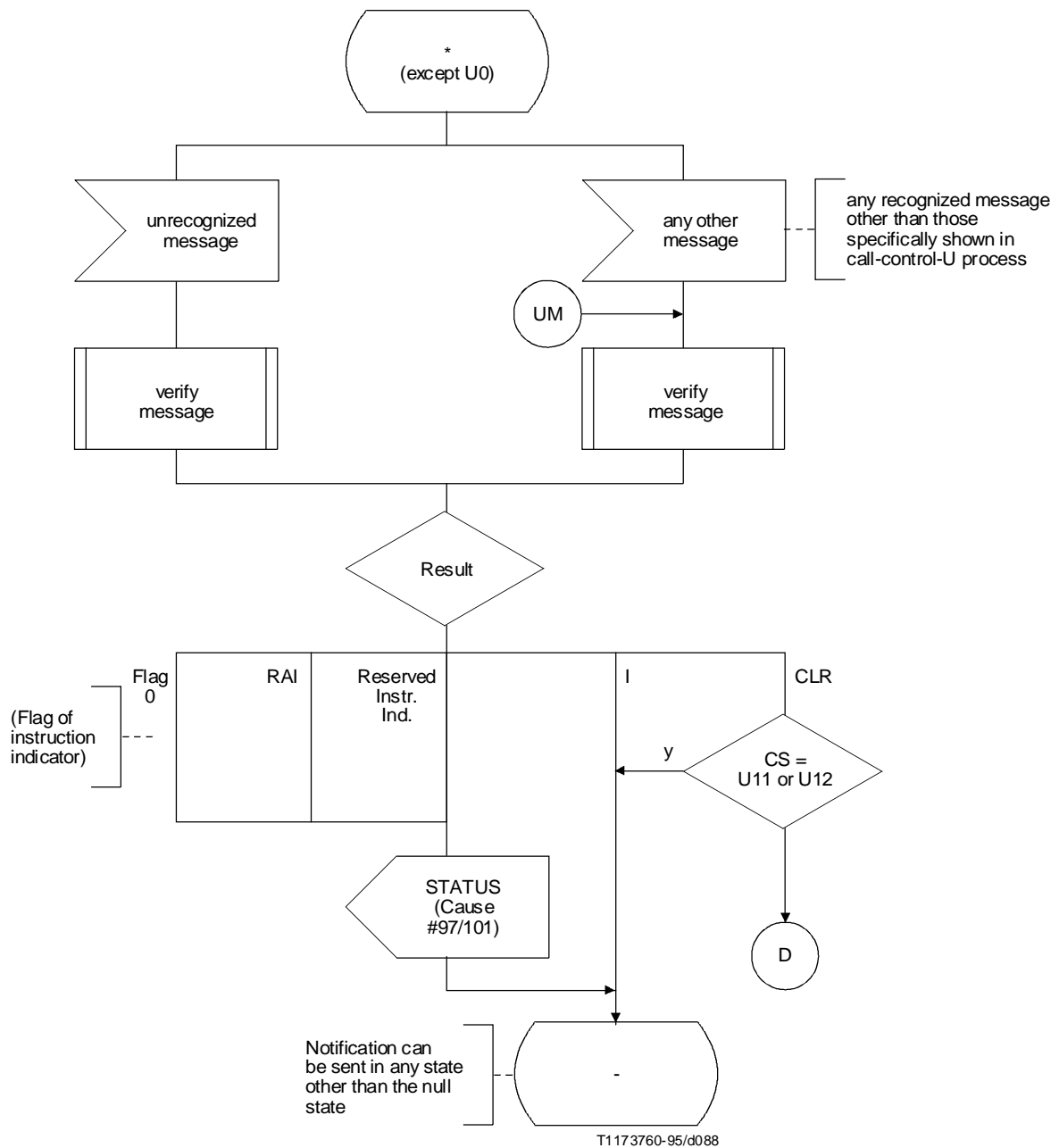


T1173740-95/d086

Process Call-Control-U
(Sheet 33 of 39)

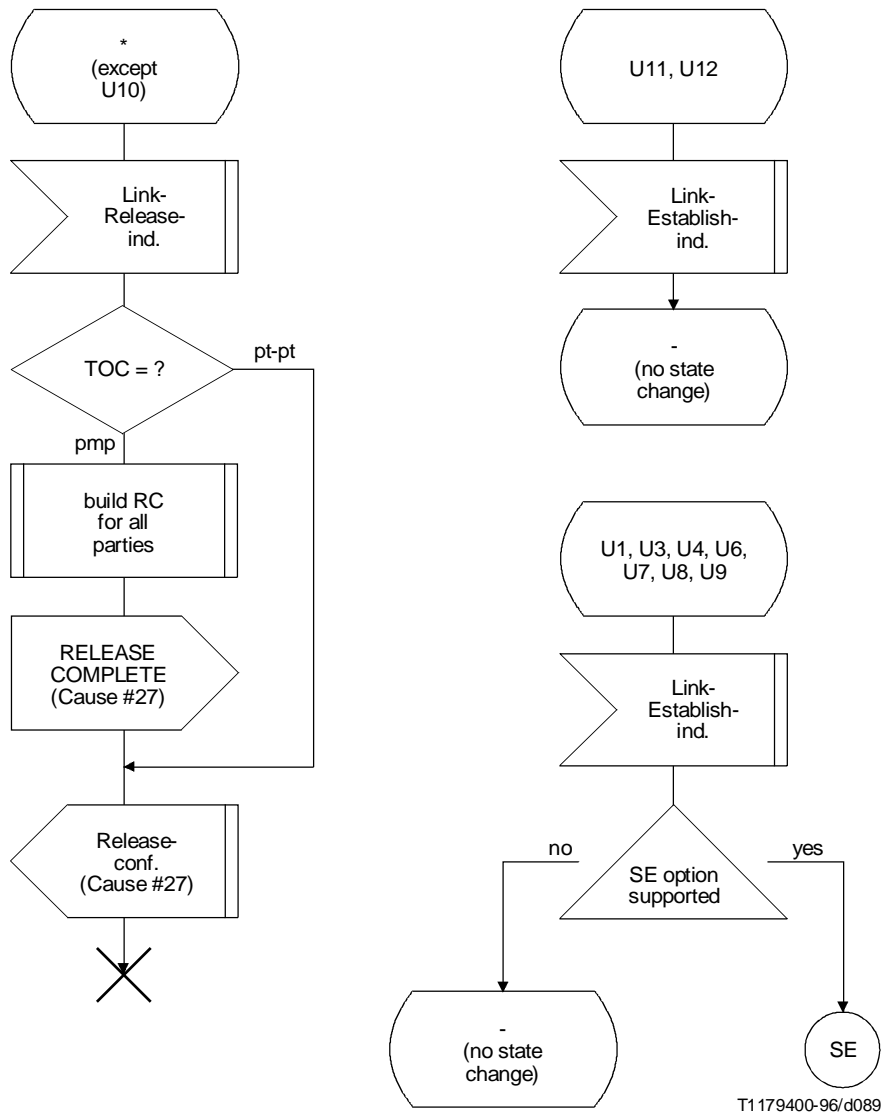


Process Call-Control-U
(Sheet 34 of 39)

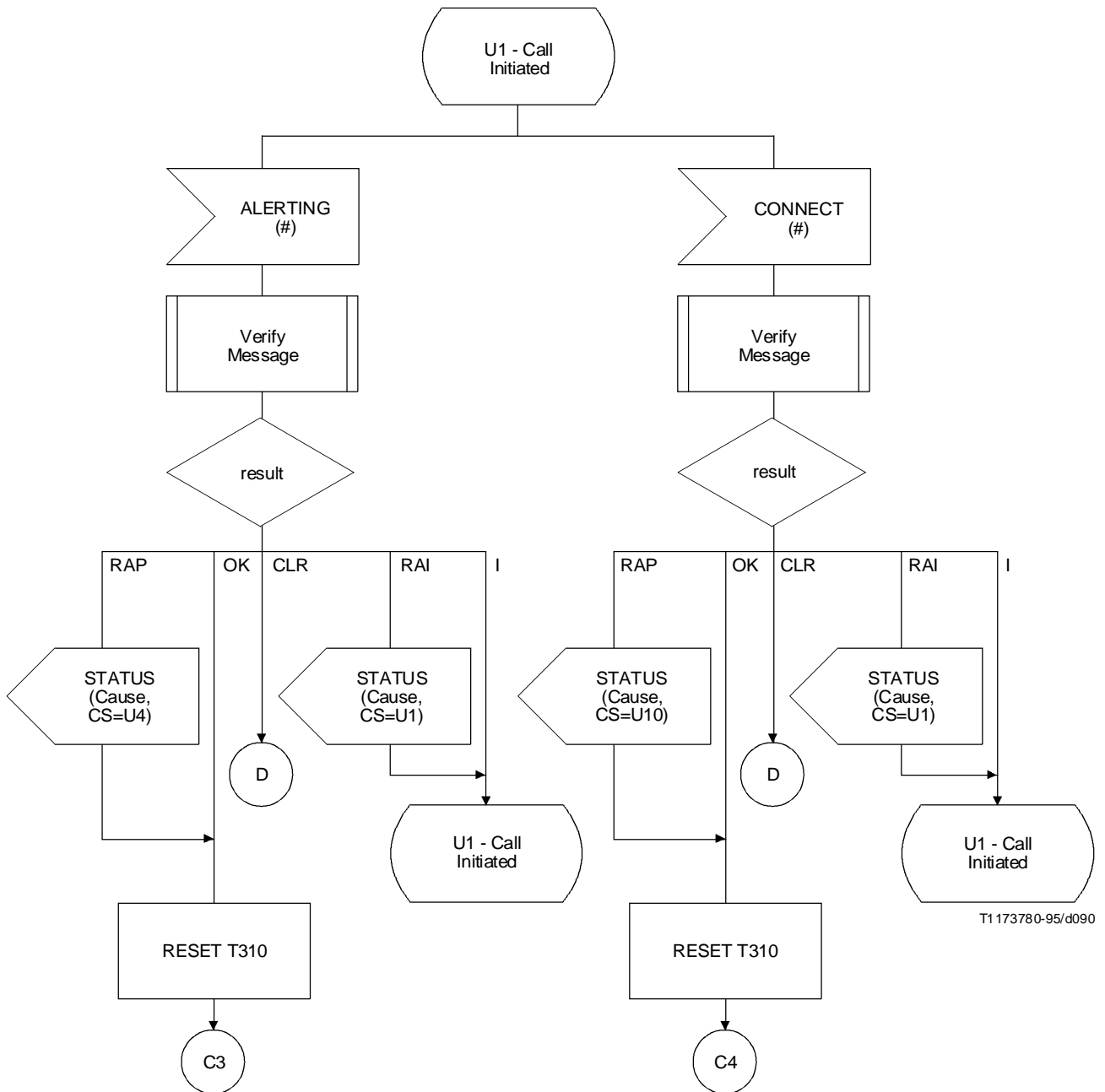


Process Call-Control-U

(Sheet 35 of 39)

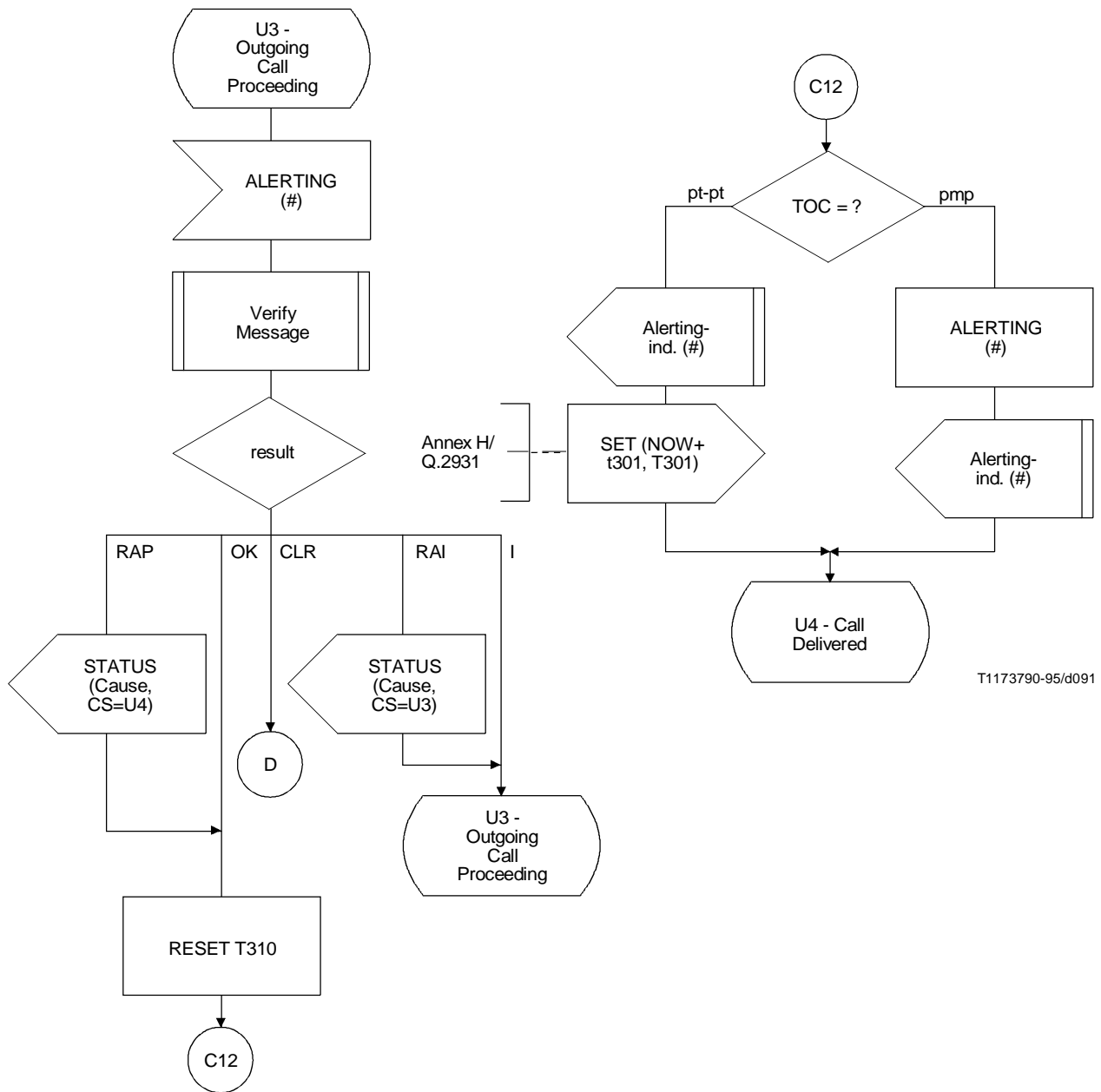


Process Call-Control-U
(Sheet 36 of 39)



Process Call-Control-U

(Sheet 37 of 39)



Process Call-Control-U
(Sheet 38 of 39)

(see Annex A, Q.2931, process
Q.2931-U, pages 19-31 of (31))

Process Call-Control-U

(Sheet 39 of 39)

F.2.5 Process Reset-Start-U

For the process Reset-Start-U, the SDL description of Annex A/Q.2931 remains valid without the need for technical changes.

F.2.6 Process Reset-Response-U

For the process Reset-Response-U, the SDL description of Annex A/Q.2931 remains valid without the need for technical changes.

F.2.7 Process Party-Control-U: Overview State-Event-Diagram (does not include Timer Expires)

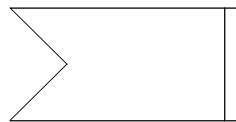
[Numbers show sheet No. (sheet 1 of 14); empty fields show events not described/applicable.]

Event (5.7)	State	PU0	PU1	PU2	PU3	PU4	PU5	PU6	PU7
(from CC-N:)									
Setup-req.	3								
Alerting-req.			6						
Release-req.		11	11	11	11	10	11	11	11
Release-resp.		11	11	11	11	11	11	11	11
SETUP	3								
ALERTING		5	11	11	11	11	11	11	11
CONNECT		4	11	11	7	11	11	11	11
CONNECT ACK.		11	6	7	11	11	11	11	11
RELEASE		11	11	11	11	10	11	11	11
RELEASE COMP.		11	11	11	11	11	11	11	11
STATUS	13	12	12	12	12	10	12	12	12
STATUS ENQUIRY	13	12	12	12	12	12	12	12	12
Add Party req.	3								
Add Party Ack. req.			6	7					
Add Party Rej. req.			6						
Party Alerting req.			6						
Drop Party req.		8		8	8				8
DP Ack. req.							9		
Party St. Enq. req.		12	12	12	12	12	12	12	12
ADD PARTY	3	11	6	11	11	11	11	11	11
ADD PARTY ACK.		4	11	11	7	11	11	11	11
ADD PARTY REJ.		4	11	11	11	10	11	11	11
PARTY ALERTING		5	11	11	11	11	11	11	11
DROP PARTY		9	9	9	9	10	9	9	9
DP ACK.		8	8	8	8	8	8	8	8

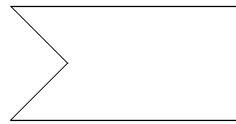
Process Party-Control-U
(sheet 1 of 14)

Process Party-Control-U – Legend

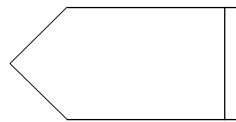
See Recommendation Q.2931, SDL Key; in addition:



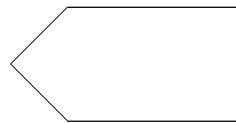
signals from Call-Control-U related to primitives



signals from Call-Control-U related to messages



signals to Call-Control-U related to primitives



signals to Call-Control-U related to messages

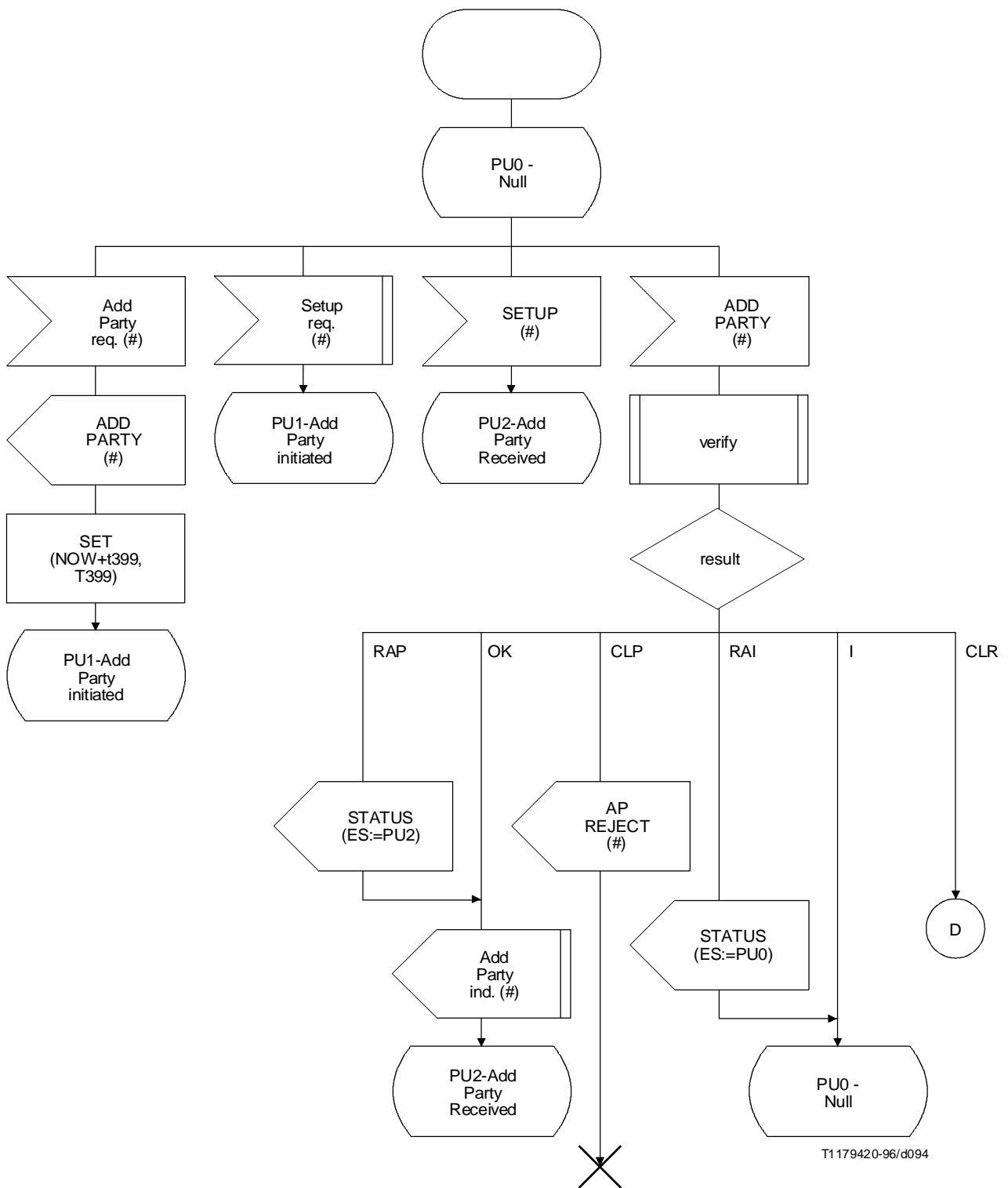


This symbol is used to indicate the end of a process.

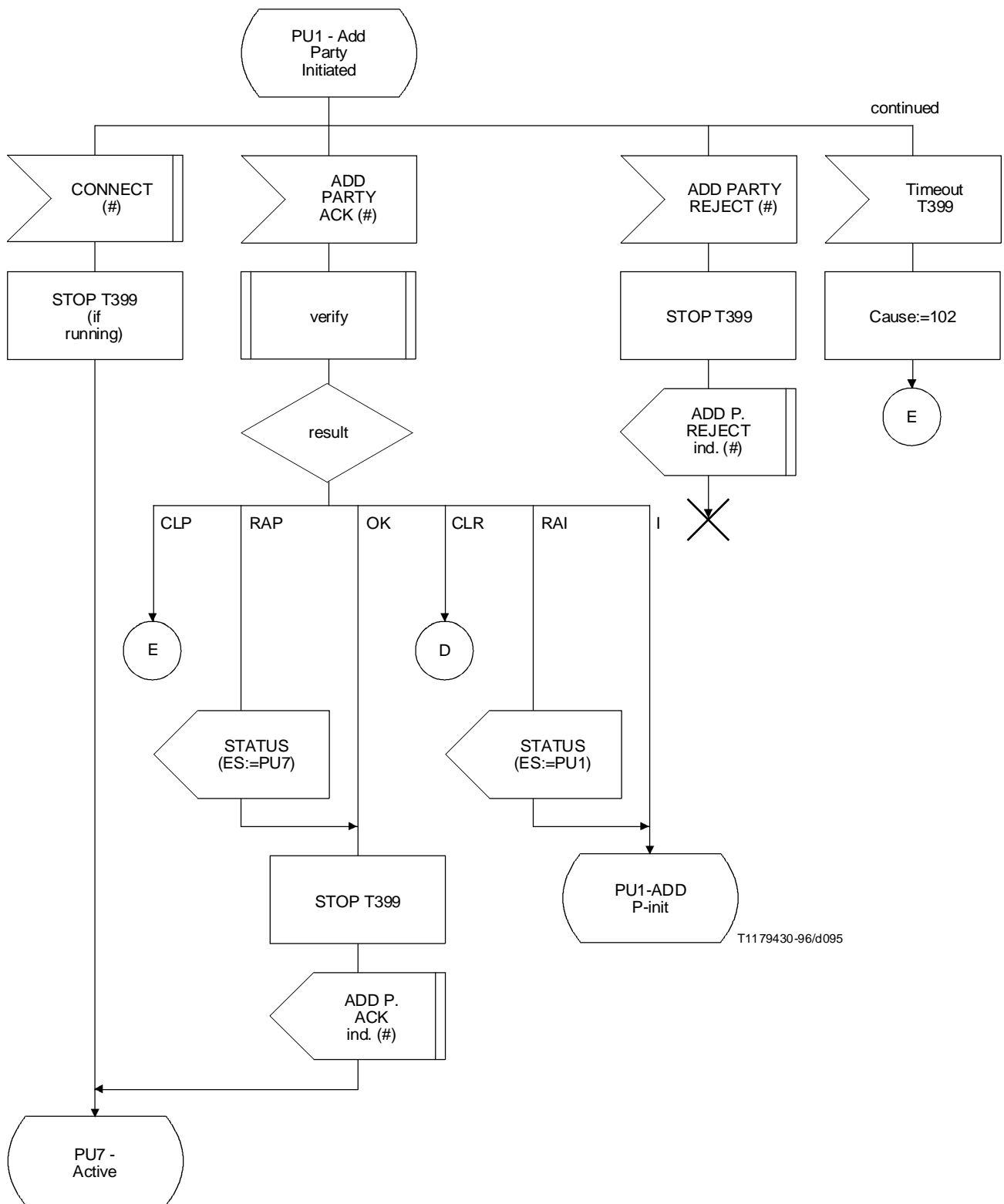
T1179410-96/d093

Process Party-Control-U

(Sheet 2 of 14)

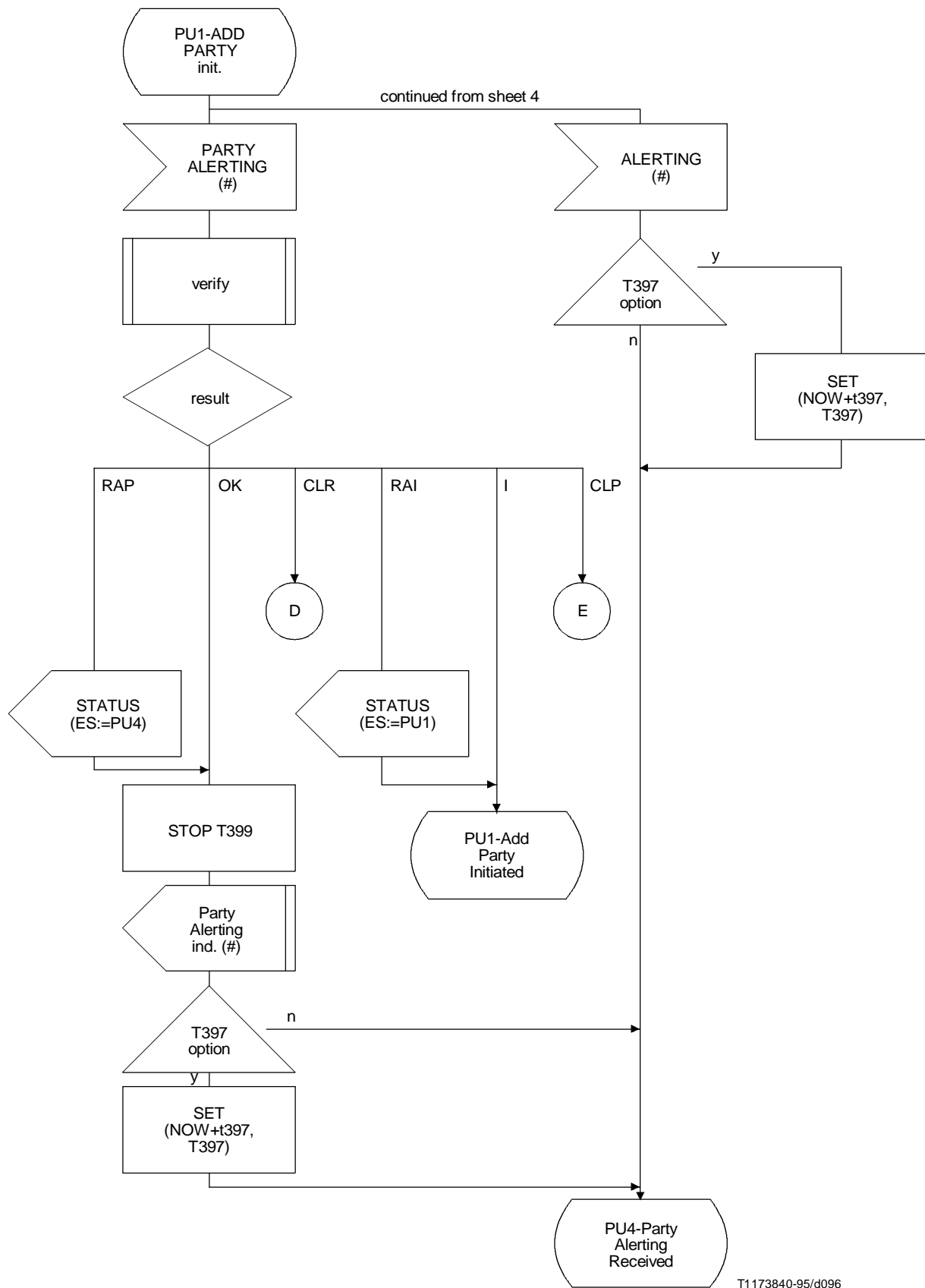


Process Party-Control-U
(Sheet 3 of 14)



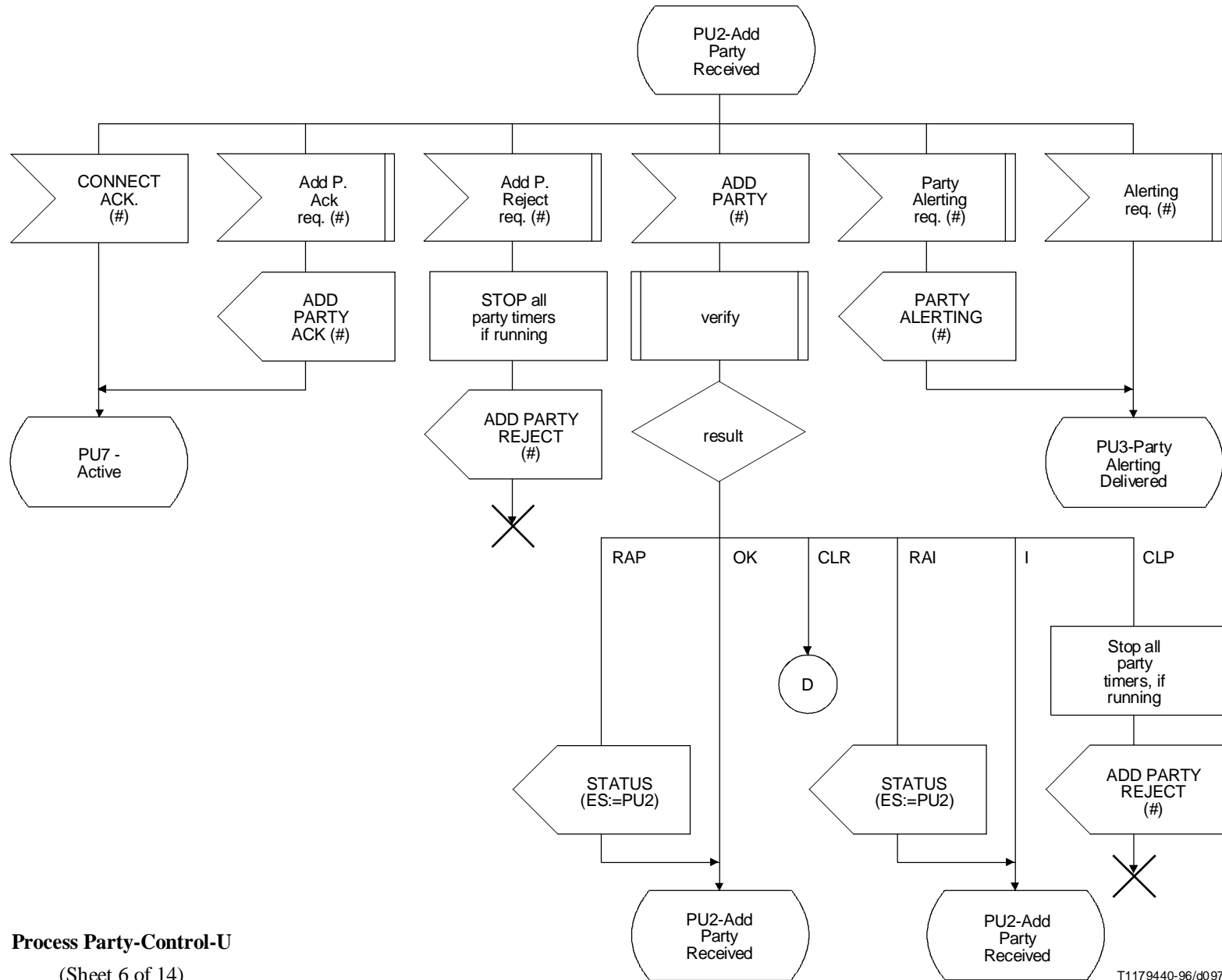
T1179430-96/d095

Process Party-Control-U
(Sheet 4 of 14)



T1173840-95/d096

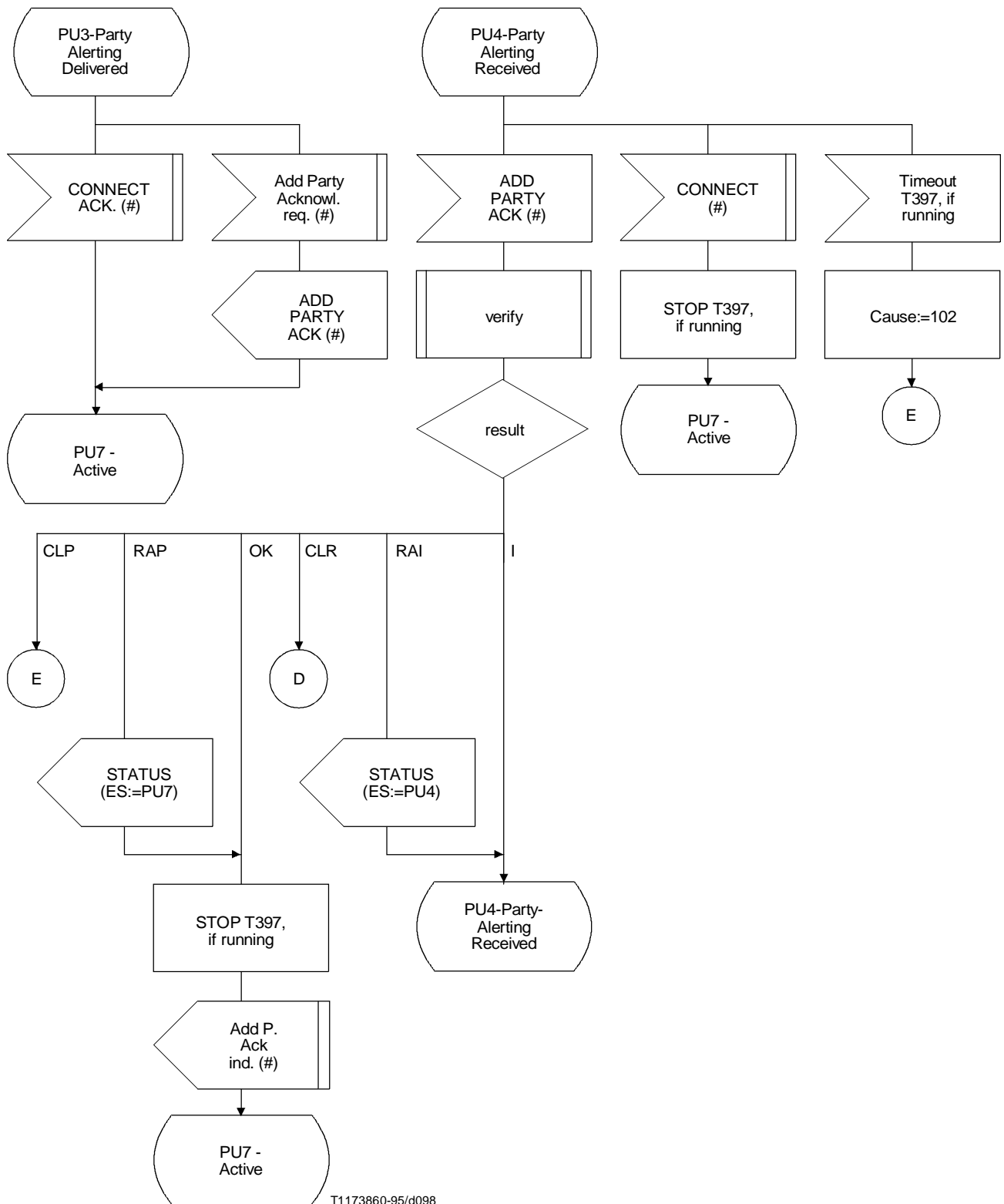
Process Party-Control-U
(Sheet 5 of 14)



Process Party-Control-U

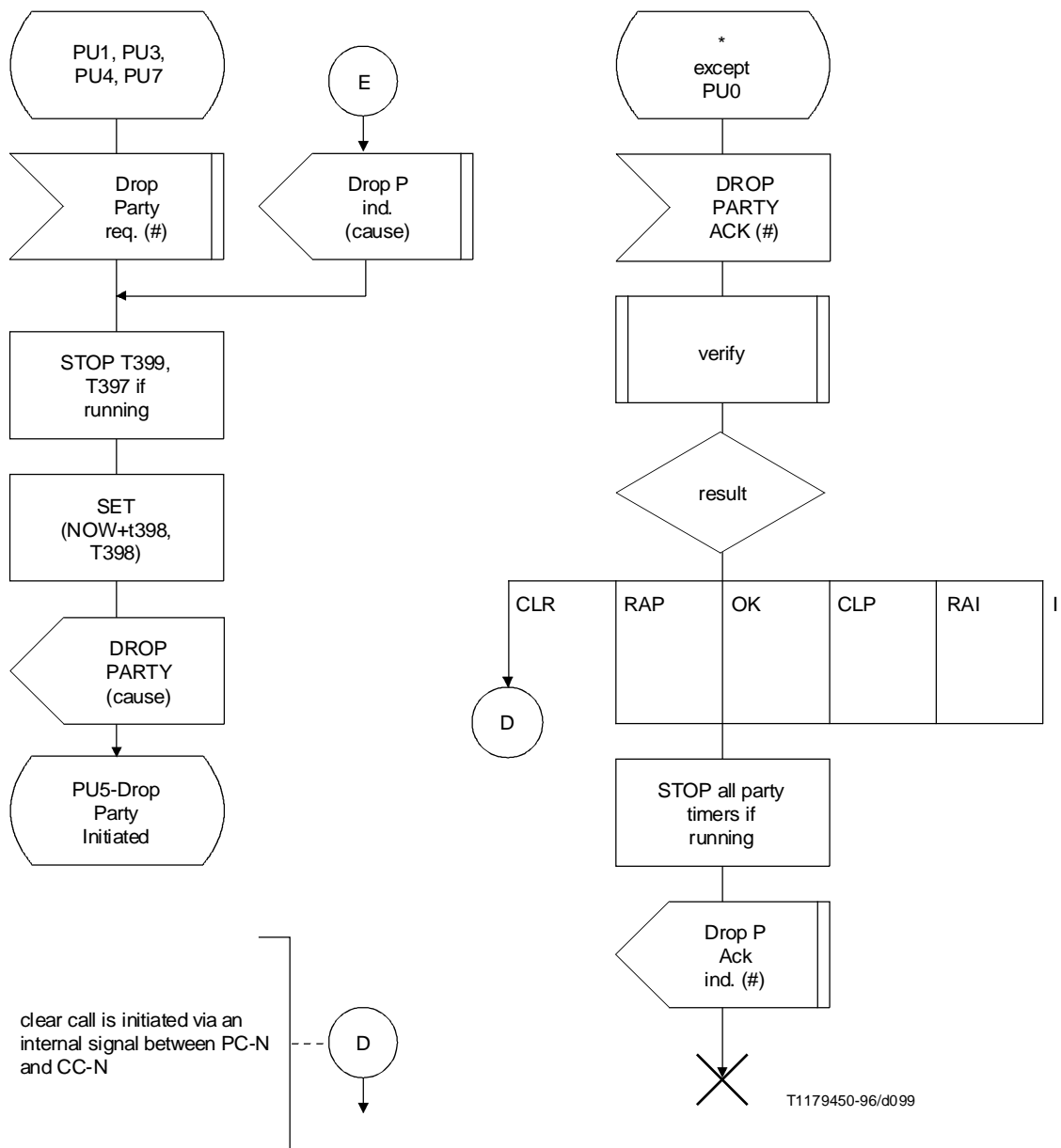
(Sheet 6 of 14)

T1179440-96/d097

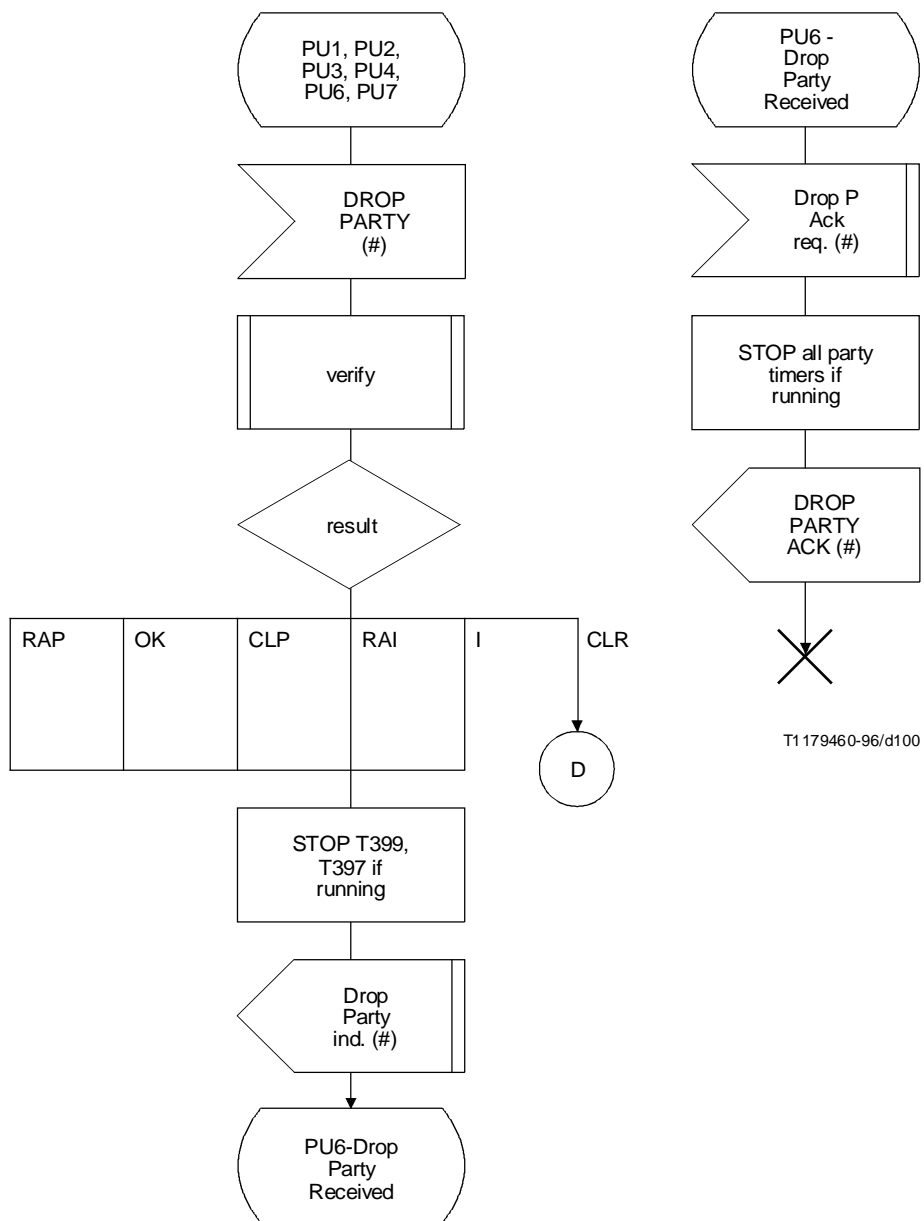


T1173860-95/d098

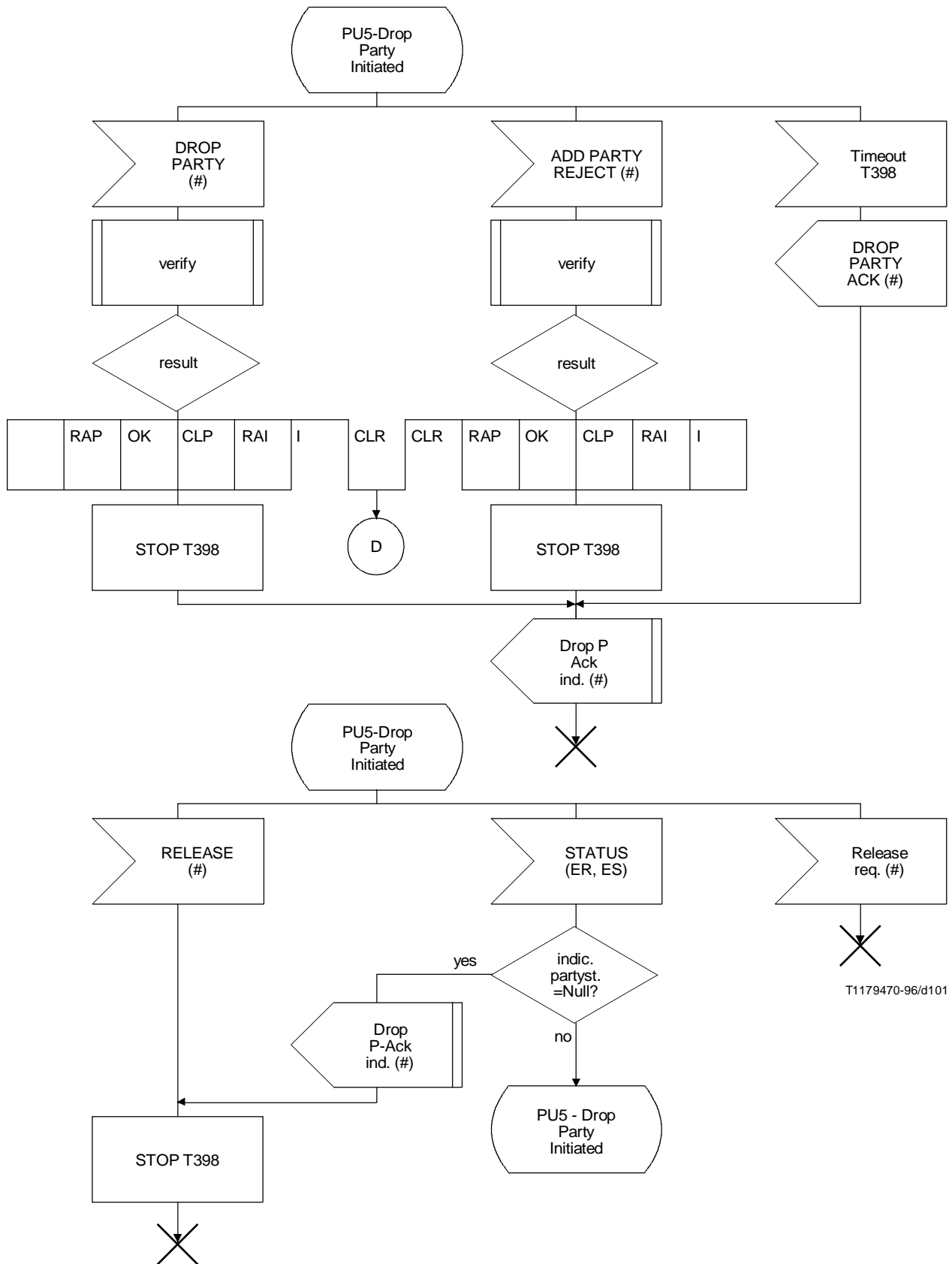
Process Party-Control-U
(Sheet 7 of 14)



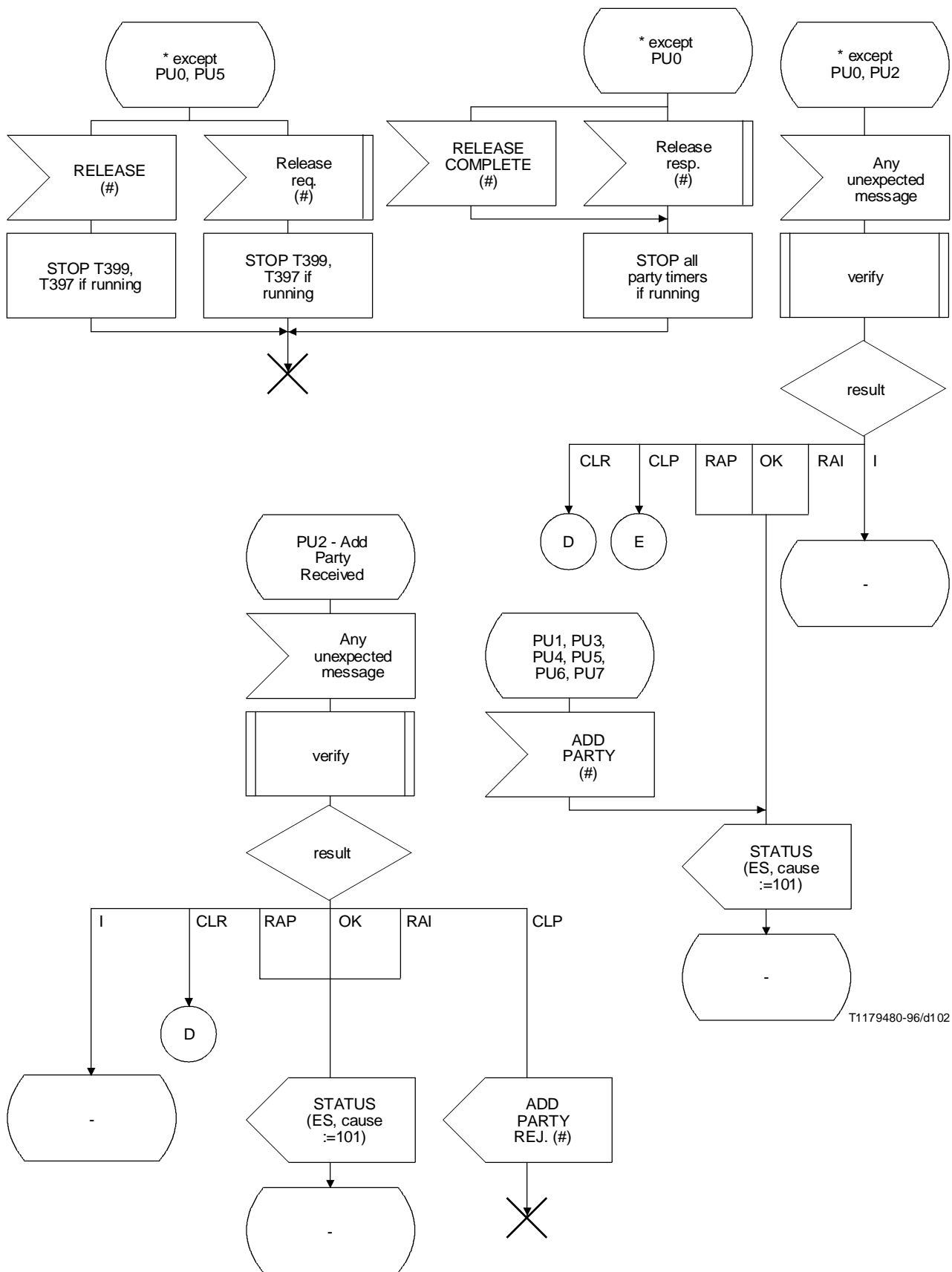
Process Party-Control-U
(Sheet 8 of 14)



Process Party-Control-U
(Sheet 9 of 14)

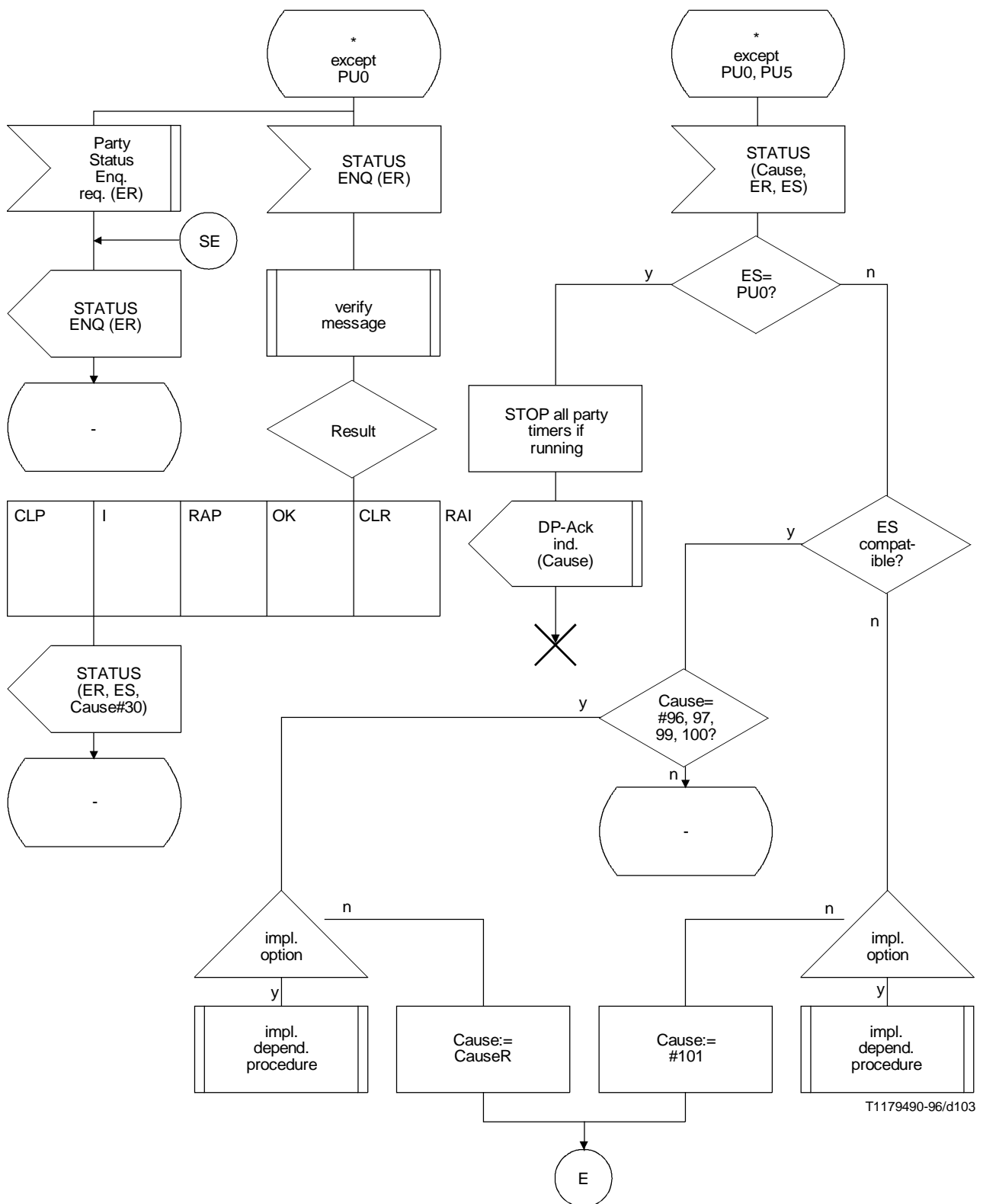


Process Party-Control-U
(Sheet 10 of 14)

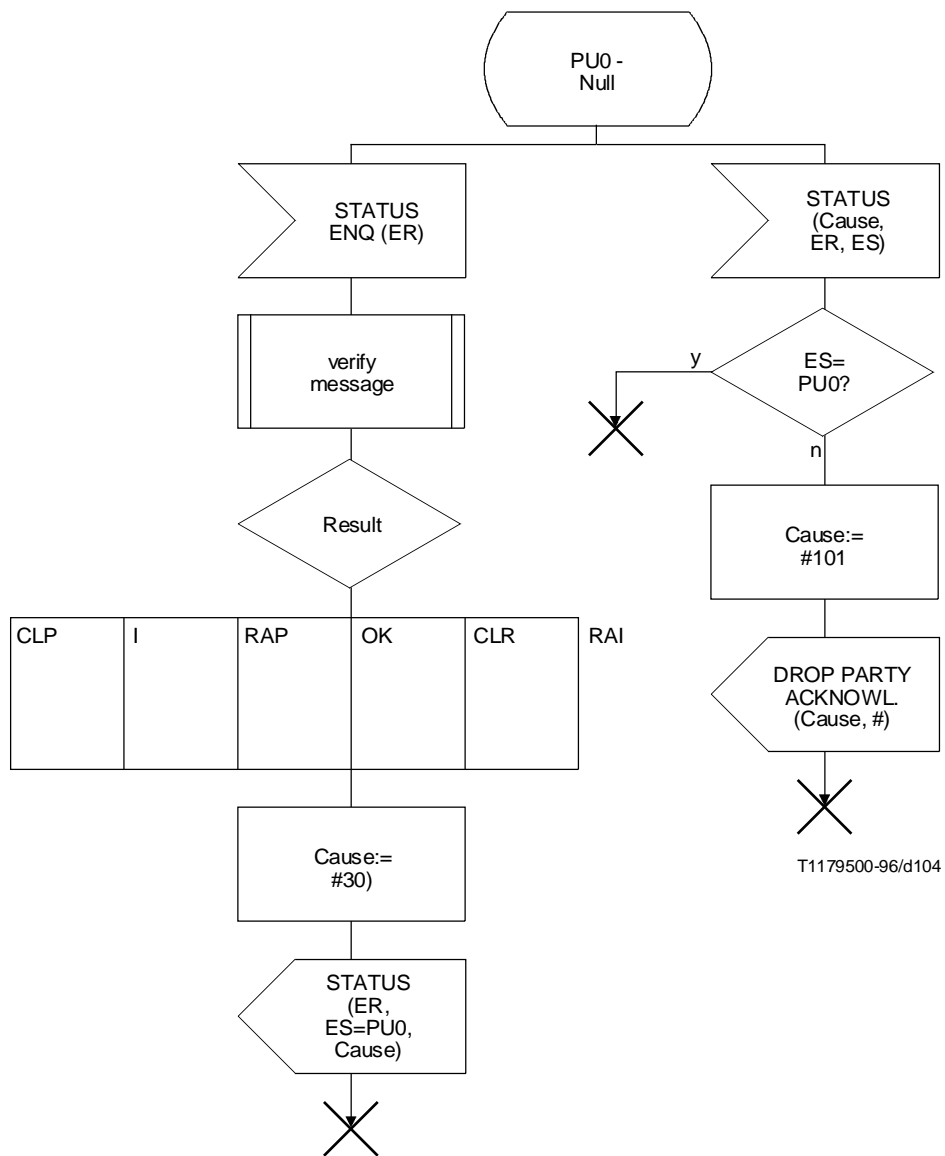


Process Party-Control-U

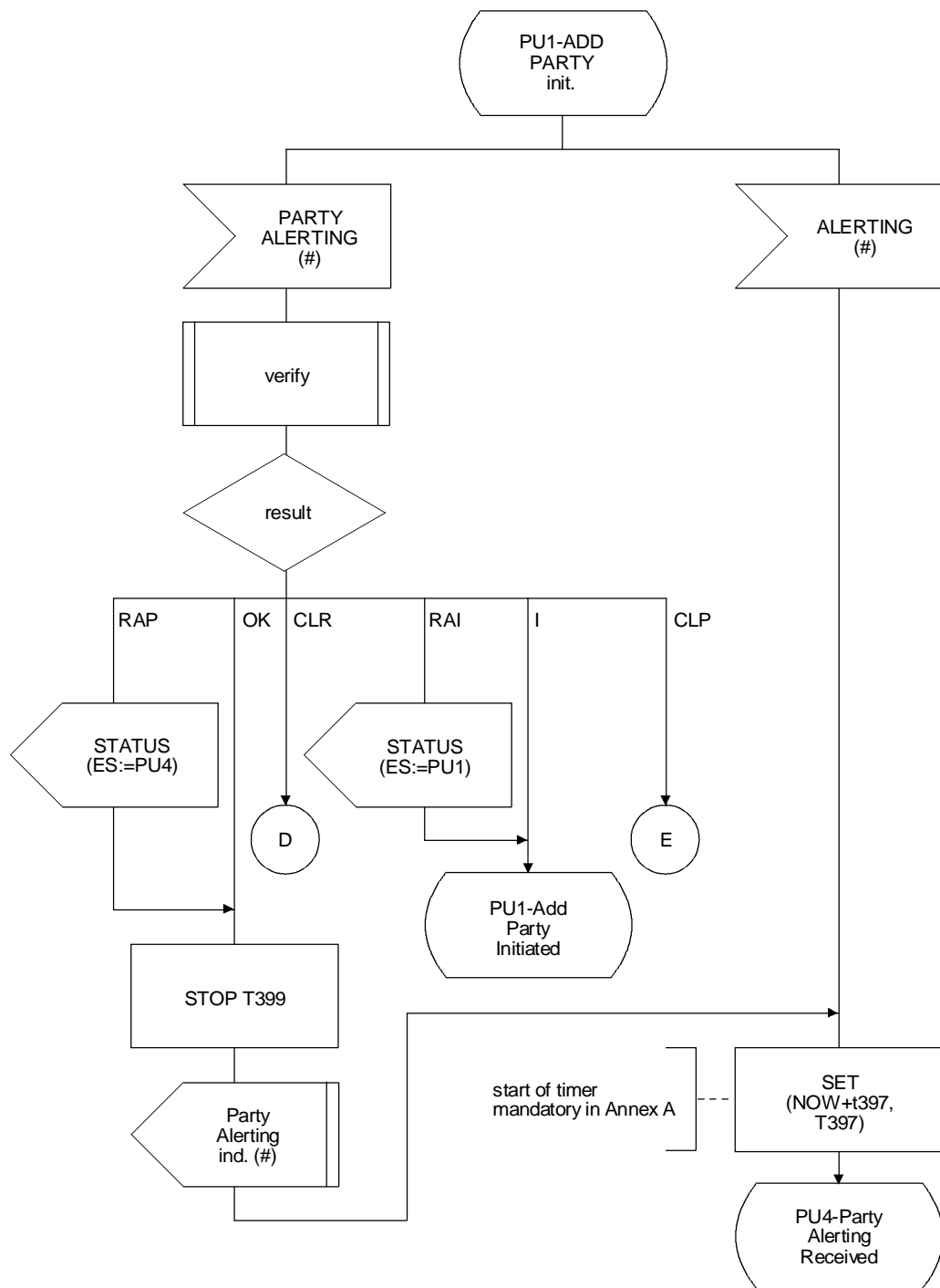
(Sheet 11 of 14)



Process Party-Control-U
(Sheet 12 of 14)



Process Party-Control-U
(Sheet 13 of 14)



T1173930-95/d105

Process Party-Control-U
(Sheet 14 of 14)

Appendix I

Information flows

(This appendix does not form an integral part of this Recommendation)

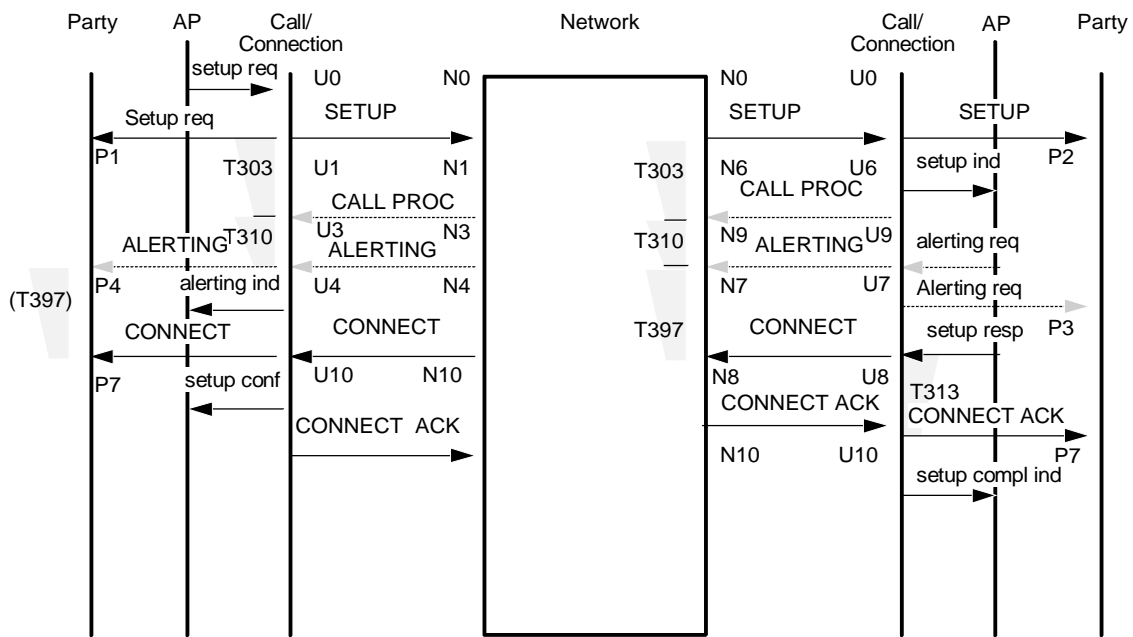
This appendix illustrates information flows for point-to-multipoint connections. The figures of this appendix show information flows between two UNIs where in-between a “network” is assumed, the functions of which are outside the scope of this Recommendation. For the user side of the UNIs, a substructure of “Party”, “AP”, and “Call/Connection” is shown; this substructure refers to the corresponding state machines as specified within clause 14. The internal flows shown between these entities are not binding on implementations.

Timers and state transitions are also indicated. In order to keep the figures readable, party states have been numbered as follows:

- P1: Add Party Initiated;
- P2: Add Party Received;
- P3: Party Alerting Delivered;
- P4: Party Alerting Received;
- P5: Drop Party Initiated;
- P6: Drop Party Received;
- P7: Active.

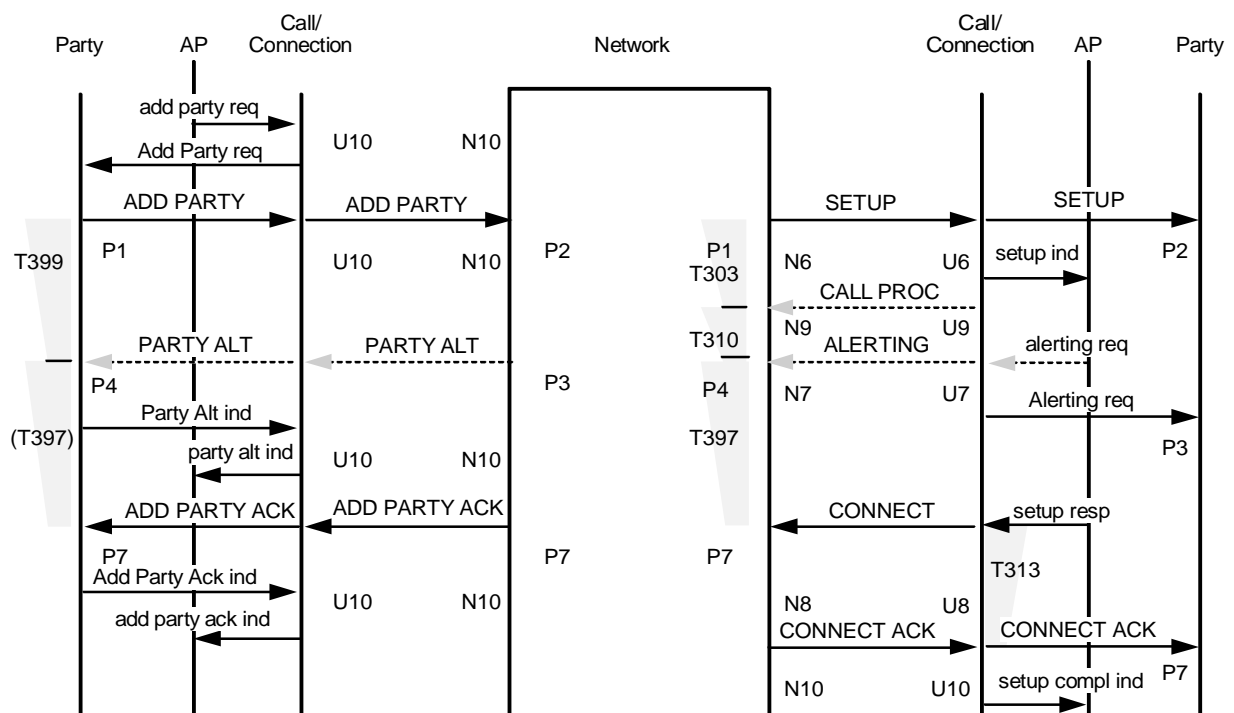
Four figures are provided showing information flows for:

- 1) Call Setup (Figure I.1);
- 2) Party Addition (Figure I.2);
- 3) Party Dropping (Figure I.3);
- 4) Party Leaves Call (Figure I.4).



T1172890-95/d106

FIGURE I.1/Q.2971
Call Setup



T1172900-95/d107

FIGURE I.2/Q.2971
Party Addition

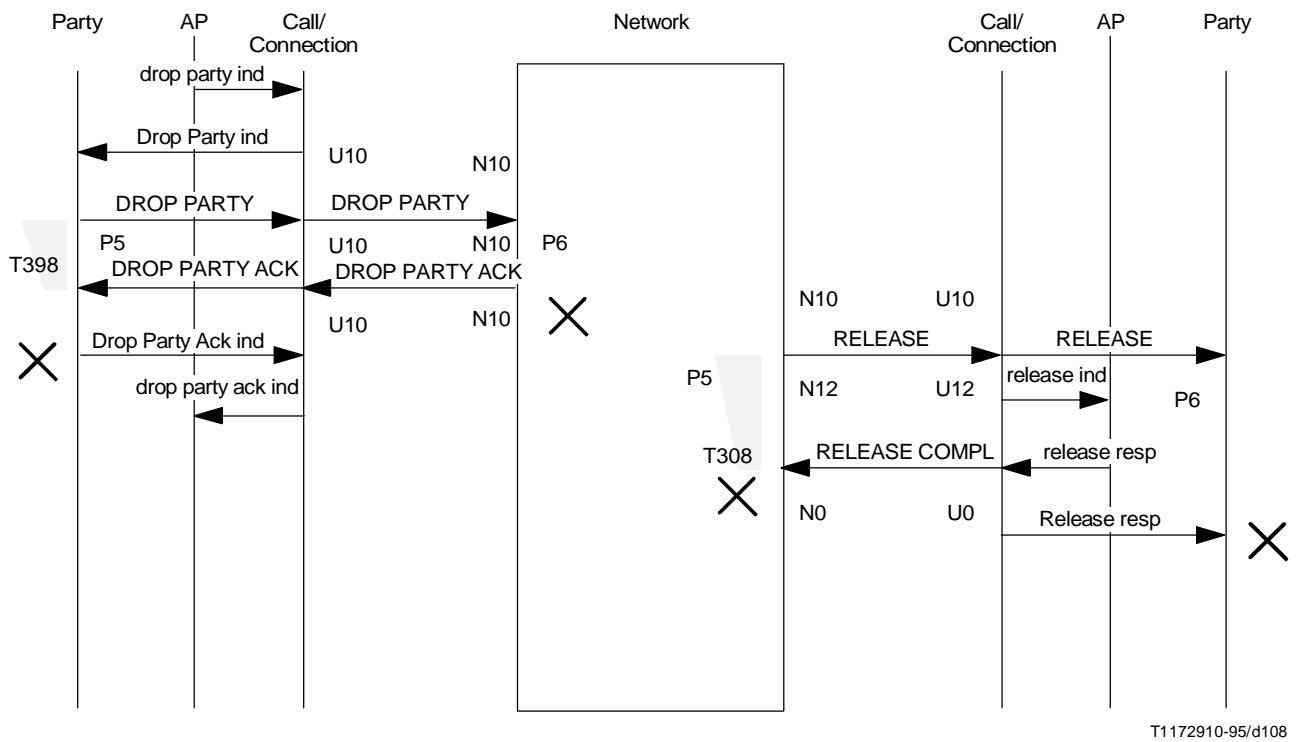


FIGURE I.3/Q.2971
Party Dropping

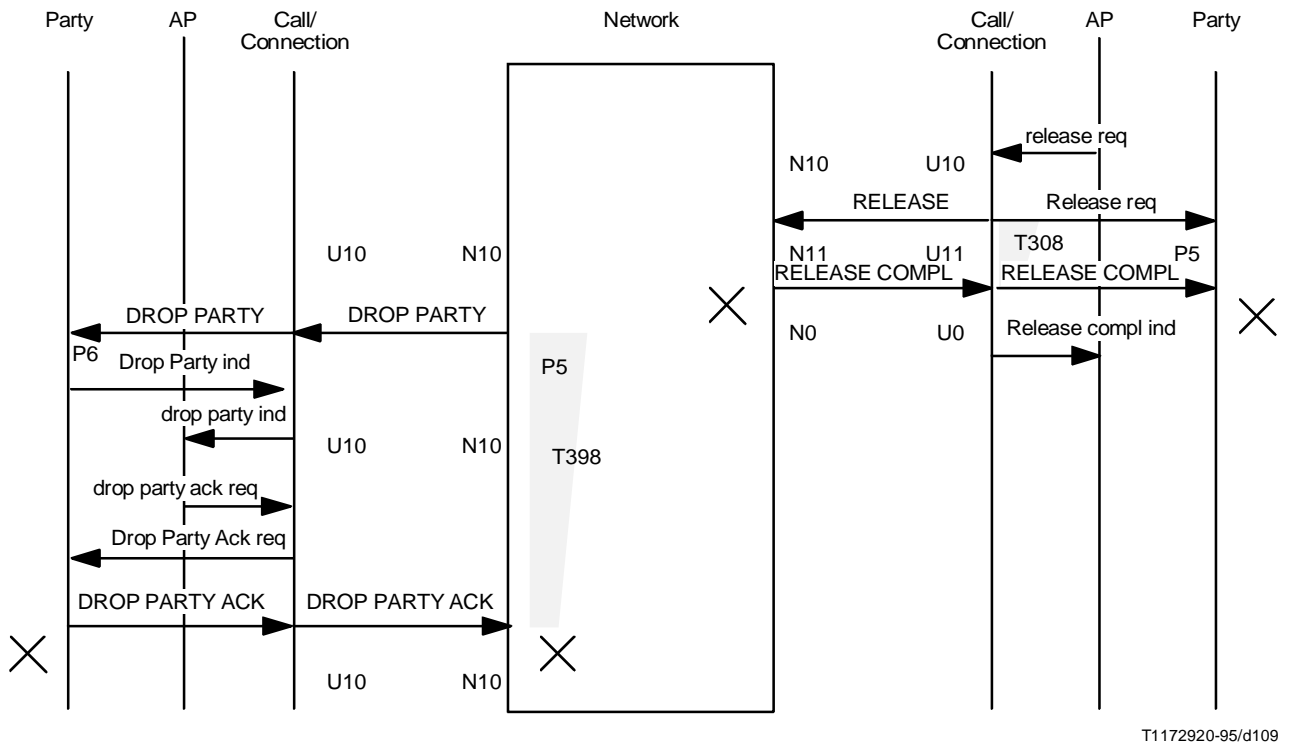


FIGURE I.4/Q.2971
Party Leaves Call

Appendix II

Instruction indicators

(This appendix does not form an integral part of this Recommendation)

Guidelines for the use of instruction indicators

For the DSS 2 messages and information elements related to B-ISDN point-to-multipoint call/connection control, the instruction indicator flag should be used as shown in Tables II.1 and II.2 (with the exception noted in 9.2.1). For messages and information elements defined in Appendix I/Q.2931.

The following abbreviations have been used in the tables:

- Used = Follow explicit instructions.
- Not used = Instruction field not significant.
- N = Network.
- U = User.

TABLE II.1/Q.2971

Use of instruction indicators for the messages in Recommendation Q.2971

Message	Flag	Origin	Action indicator
ADD PARTY	Not used	N&U	
ADD PARTY ACKNOWLEDGE	Not used	N&U	
PARTY ALERTING	Not used	N&U	
ADD PARTY REJECT	Not used	N&U	
DROP PARTY	Not used	N&U	
DROP PARTY ACKNOWLEDGE	Not used	N&U	

TABLE II.2/Q.2971

Use of instruction indicators for the information elements in Recommendation Q.2971

Information elements	Flag	Origin	Action indicator
Endpoint reference	Used	N	Discard information element and proceed (Note 1)
Endpoint reference	Not used	N	(Note 2)
Endpoint reference	Not used	U	(Note 3)
Endpoint state	Not used	N&U	
NOTES 1 This coding applies only for the SETUP message. 2 This coding applies for all messages except the SETUP message. 3 Release 1 network equipment will not accept a SETUP message for point-to-multipoint calls since the Bearer capability will not be supported (i.e. point-to-multipoint user plane configuration).			