Type 1 SAP Component: Transition Table

Note: Items marked (*) are recommendations for future inclusion in 188-220A

Transition	Input/Event	Output/Action
TYPE1SAP-2	DL_Unitdata_Request, no ack required	Check to see if destination is receiving. If so, put UI in the message data structure. If not, queue the request.
TYPE1SAP-3	DL_Unitdata_Request, ack required	Check to see if destination is receiving. If not, queue the request. Else, put the UI in the message data structure, and set the transmission count for that UI to 1.
TYPE1SAP-4	TEST_Request, ack required	Check to see if destination is receiving. If not, queue the request. Else, put the TEST in the message data structure, and set the transmission count for that TEST to 1.
TYPE1SAP-5	TEST_Request, no ack required	Check to see if destination is receiving. If so, put TEST in the message data structure. If not, queue the request.
TYPE1SAP-6	UI Command PDU	Send DL-Unitdata_Ind to Network Layer via Station Component.
TYPE1SAP-9	TEST Response PDU	Signal initiator of TEST that response was received. (*)
TYPE1SAP-10	TEST Command PDU P=0	Put TEST Response PDU in message structure.
TYPE1SAP-11	URR Command PDU	Change sending station to NOT BUSY. Stop busy-state timer (if running).
TYPE1SAP-12	URR Response PDU	Mark sender as having sent ack for this PDU. Check if ALL stations which need to ack have done so. If so, stop the ack timer for this PDU. Reinforce sending station as NOT BUSY.
TYPE1SAP-13	URNR Command PDU	Change sending station to BUSY.
TYPE1SAP-14	URNR Response PDU	Start busy-state timer for sending station and mark that station as BUSY. (Note that receipt of the URNR Response PDU does NOT constitute acknowledgement of corresponding UI Command PDU).
TYPE1SAP-15	TP_TIMEOUT (not N4th trans)	Resubmit the UI which timed out to the message structure. Increment the transmission count for that PDU.
TYPE1SAP-16	TP_TIMEOUT (N4th transmission)	Start corresponding busy-state timers. Send DL-State Indication to eventually reach network layer.
TYPE1SAP-17	Busy-state timer timeout	Change station which timer-out to NOT BUSY.
TYPE1SAP-18	Outstanding queued request	Process next PDU.