# Type 2 Connection Component: Multi-destination PDU-related transitions

**Note**: 1. All transitions are new to the ISO transitions.

2. In transition 10, UNITDATA-REQUEST is read from an Estelle queue to a buffer so that the MULTIDATA-REQUEST, if follows, is not delayed. Also, those MULTIDATA-REQUESTs for which MULTI_NOT_READYs are sent are also put in this buffer as UNITDATA-REQUESTs. Later, all the requests buffered will be referred to as UNITDATA-REQUEST in the transition tables.

| Trans. # | ISO Page # | Current state | Event | Action(s) | Next state |
|---|---|---|---|---|---|
| MULTI-1 | P.88-91 | ADM<br>or CONN<br>or RESET_WAIT<br>or RESET_CHECK<br>or SETUP<br>or RESET<br>or D_CONN<br>or ERROR<br>or RSET<br>or RESET_EXPECTED | MULTIDATA_REQUEST | MULTI_NOT_READY; | Remain in the same state |
| MULTI-2 | P.93 | NORMAL | MULTIDATA_REQUEST<br>and REMOTE_BUSY=0<br>and IS_SEND_WINDOW_OPEN=TRUE<br>and NOT EXIST_BUFFERED_REQUEST<br>and P_FLAG=0 | MULTI_READY_CMD(P=1);<br>BUFFER_MULTIDATA_REQUEST;<br>START_P_TIMER;<br>START_ACK_TIMER_IF_NOT_RUNNING;<br>------------------------------------------------------------<br>MULTI_READY_XXX(X=0);<br>BUFFER_MULTIDATA_REQUEST;<br>START_ACK_TIMER_IF_NOT_RUNNING; | NORMAL |
| MULTI-3 | P.93 | NORMAL | MULTIDATA_REQUEST<br>and REMOTE_BUSY=0<br>and IS_SEND_WINDOW_OPEN=TRUE<br>and NOT EXIST_BUFFERED_REQUEST<br>and P_FLAG=1 | MULTI_READY_XXX(X=0);<br>BUFFER_MULTIDATA_REQUEST;<br>START_ACK_TIMER_IF_NOT_RUNNING; | NORMAL |
| MULTI-4 | P.96 | BUSY | MULTIDATA_REQUEST<br>and REMOTE_BUSY=0<br>and IS_SEND_WINDOW_OPEN=TRUE<br>and NOT EXIST_BUFFERED_REQUEST<br>and P_FLAG=0 | MULTI_READY_CMD(P=1);<br>BUFFER_MULTIDATA_REQUEST;<br>START_P_TIMER;<br>START_ACK_TIMER_IF_NOT_RUNNING;<br>------------------------------------------------------------<br>MULTI_READY_XXX(X=0);<br>BUFFER_MULTIDATA_REQUEST;<br>START_ACK_TIMER_IF_NOT_RUNNING; | BUSY |
| MULTI-5 | P.96 | BUSY | MULTIDATA_REQUEST<br>and REMOTE_BUSY=0<br>and IS_SEND_WINDOW_OPEN=TRUE<br>and NOT EXIST_BUFFERED_REQUEST<br>and P_FLAG=1 | MULTI_READY_XXX(X=0);<br>BUFFER_MULTIDATA_REQUEST;<br>START_ACK_TIMER_IF_NOT_RUNNING; | BUSY |

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| MULTI-6 | P.100 | REJECT | MULTIDATA_REQUEST<br>and REMOTE_BUSY=0<br>and IS_SEND_WINDOW_OPEN=TRUE<br>and NOT EXIST_BUFFERED_REQUEST<br>and P_FLAG=0 | MULTI_READY_CMD(P=1);<br>BUFFER_MULTIDATA;<br>START_P_TIMER;<br>START_ACK_TIMER_IF_NOT_RUNNING;<br>------------------------------------------------------------<br>MULTI_READY_XXX(X=0);<br>BUFFER_MULTIDATA_REQUEST;<br>START_ACK_TIMER_IF_NOT_RUNNING; | REJECT |
| MULTI-7 | P.100 | REJECT | MULTIDATA_REQUEST<br>and REMOTE_BUSY=0<br>and IS_SEND_WINDOW_OPEN=TRUE<br>and NOT EXIST_BUFFERED_REQUEST<br>and P_FLAG=1 | MULTI_READY_XXX(X=0);<br>BUFFER_MULTIDATA_REQUEST;<br>START_ACK_TIMER_IF_NOT_RUNNING; | REJECT |
| MULTI-8 | P.93,96,<br>100 | NORMAL<br>or BUSY<br>or REJECT | MULTIDATA_REQUEST<br>and (REMOTE_BUSY=1<br>or IS_SEND_WINDOW_OPEN=FALSE<br>or EXIST_BUFFERED_REQUEST) | MULTI_NOT_READY;<br>BUFFER_MULTIDATA_REQUEST; | Remain in the same state |
| MULTI-9 | P.108 | AWAIT<br>or AWAIT_BUSY<br>or AWAIT_REJECT | MULTIDATA_REQUEST | MULTI_NOT_READY;<br>BUFFER_MULTIDATA_REQUEST; | Remain in the same state |
| MULTI-10 | P.108 | All states | UNITDATA-REQUEST(from Estelle queue) | BUFFER_UNITIDATA_REQUEST; | Remain in the same state |