

Annex R

(Informative)

C-Port in Station Emulation Mode using the TKP Access Protocol

Join, Transmit and Monitor Low Level FSMs

This annex contains the 9.5 FSMs illustrated by Figures 9.5-2 through 9.5-4, but with the level of detail found in the 9.5 Port Operation Tables

- Figure R-1 contains the Join FSM with the state transition detail of 9.5, Table 9.5-1.
- Figure R-2 contains the Transmit FSM with the state transition detail of 9.5, Table 9.5-2.
- Figure R-3 contains the Monitor FSM with the state transition detail of 9.5, Table 9.5-3.

The rules for these FSMs are identified in 9.1.1.9.

⇒ Details of the changes to annex R requested by Ballot
Comment KTW18 are on pages R-5 and R-6. ⇐

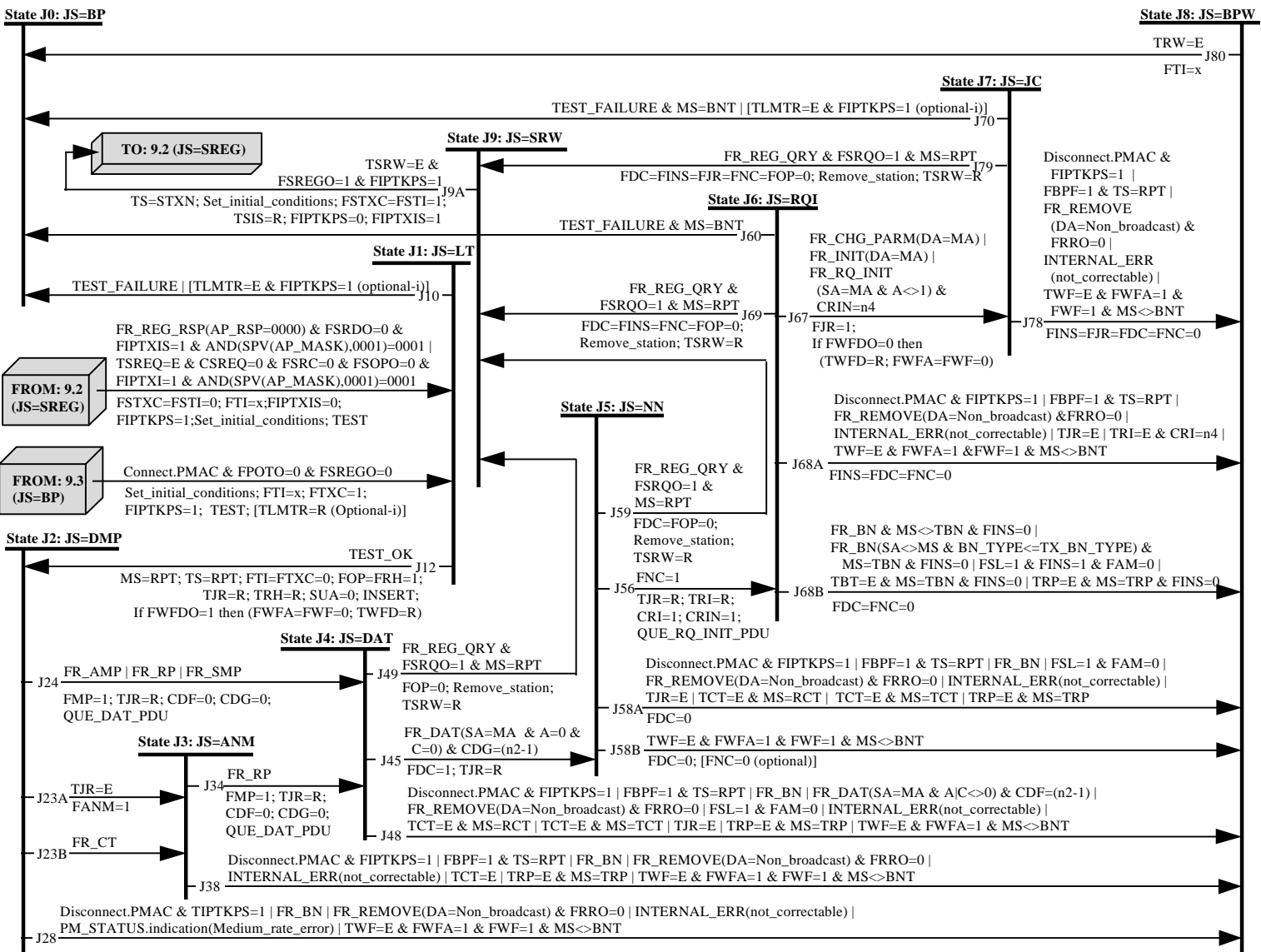


Figure R-1: C-Port in Station Emulation Mode Join (JS=State) Finite State Machine, TKP Access Protocol

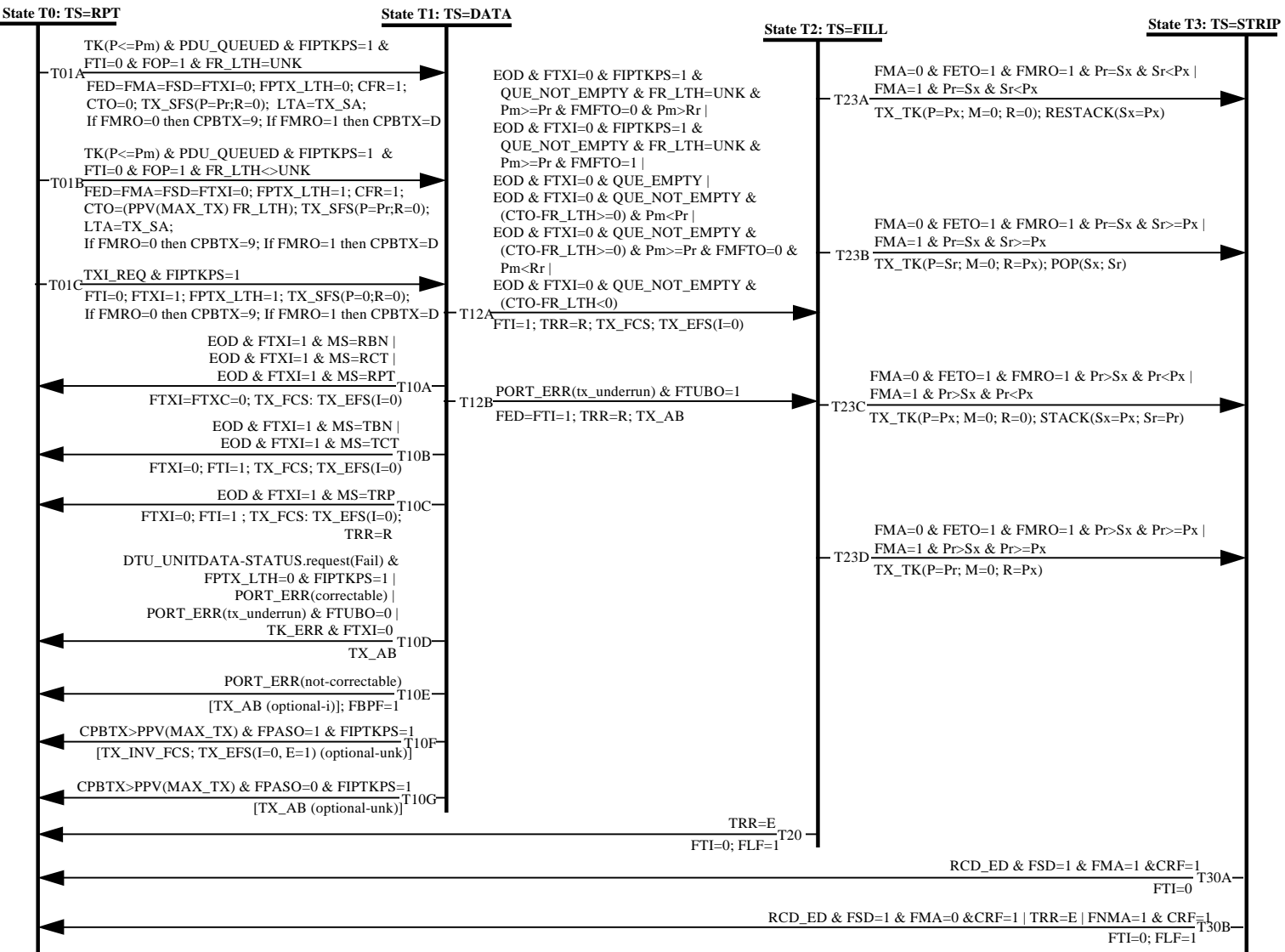


Figure R-2: C-Port in Station Emulation Mode Transmit (TS=State) Finite State Machine, TKP Access Protocol

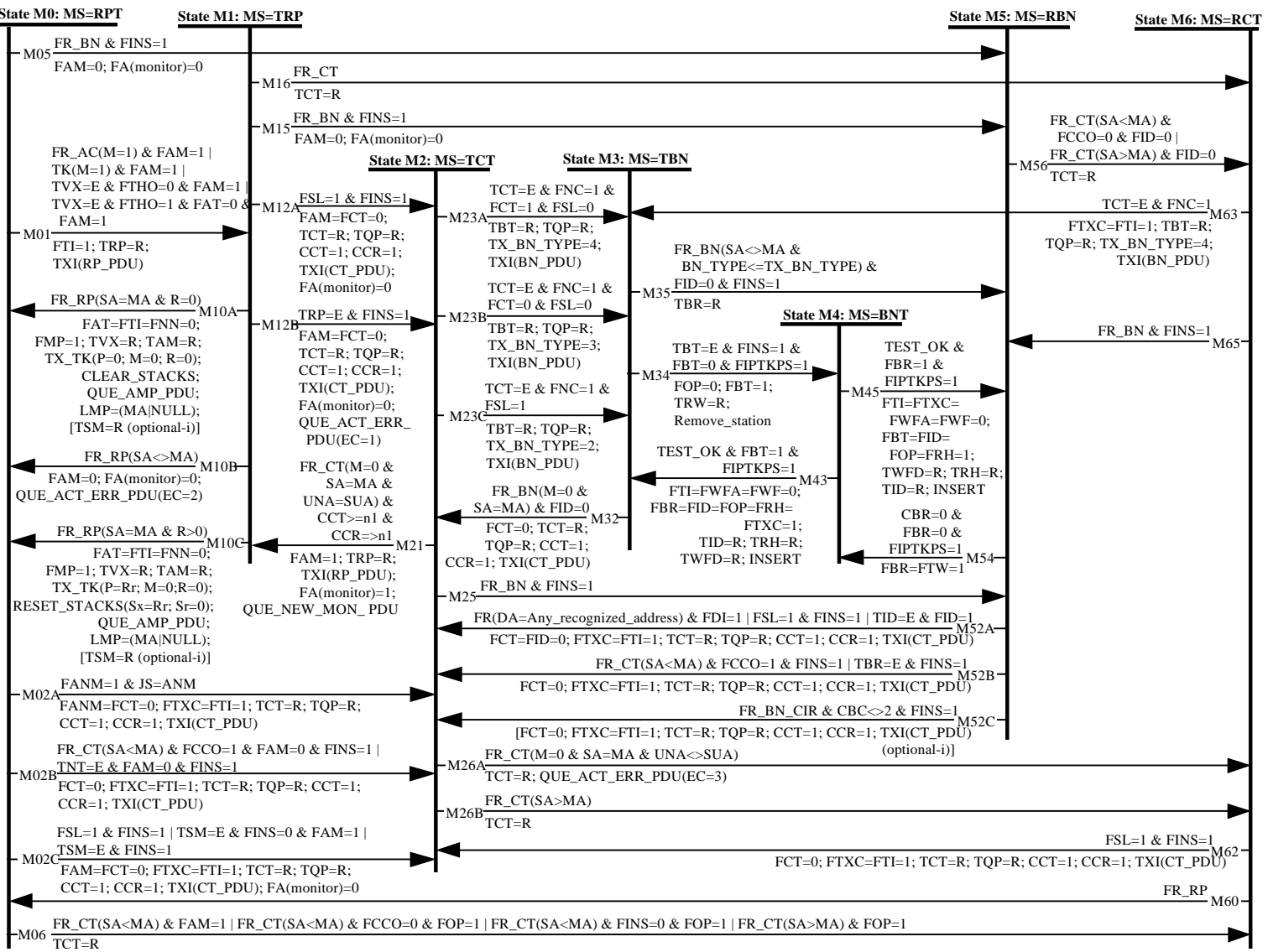


Figure R-3: C-Port in Station Emulation Mode Monitor (MS=State) Finite State Machine, TXI Access Protocol

⇒ End of Annex R

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Details of Annex R Changes

This section identifies the reason for the annex R changes requested by Ballot Comment KTW18.

1. This paper is a complete replacement for annex R in the P802.5r, Draft 6, October 1996 document.
The annex R FSMs were redrawn because the 802.5s Draft 2 annex F FSMs, which are the basis of 802.5r TKP Access Protocol support, were redrawn.
2. This paper updates the annex R released by Ken Wilson via the Proteon ftp site on October 23rd, 1996 as follows.
 - A) Figure R-1 page R-2 Join FSM has been changed as follows.
 - 1) A new entry point has been added to agree with 9.2 (JS=SREG) as follows.
 - a) The new entry point event is as follows.
FR_REG_RSP(AP_MASK=0000) & FSRDO=0 &
FIPTXIS=1 & AND(SPV(AP_MASK),0001)=0001 |
TSREQ=E & CSREQ=0 & FSRC=0 & FSOPO=0 &
FIPTXIS=1 & AND(SPV(AP_MASK),0001)=0001
 - b) The new entry point action as follows.
FSTXC=FSTI=0; FTI=x; FIPTXIS=0;
FIPTKPS=1; Set_initial_conditions; TEST
 - 2) Transition J12 event: The terms "FTI=0; FTXC=0;" are an incorrect notation and have been replaced by the single term: "FTI=FTXC=0;"
 - 3) Transition J24 action: The term "CDF=CDG=0;" is an incorrect notation representation of counters and has been replaced by the two terms: "CDF=0; CDG=0;"
 - 4) Transition J34 action: The term "CDF=CDG=0;" is an incorrect notation representation of counters and has been replaced by the two terms: "CDF=0; CDG=0;"
 - 5) Transition J38 event: The term "FBPF=1 & MS=RPT" is incorrect and has been replaced by: "FBPF=1 & TS=RPT".
 - 6) The Transition J49, J59, J69 and J79 events: The terms "FSRW=1" are not in 9.5 and have been replaced by: "FR_REG_QRY & FSRQO= & MS=RPT".
 - 7) Transition J48 event: The term "TCT=E & MS=RCT" is missing and has been added.
 - 8) Transition J58 has been changed because of a change in 802.5s as follows.
 - a) Transition J58: The Transition has been renamed J58A and action term "TWF=E & FWFA=1 & FWF=1 & MS<>BNT" has been moved to the new Transition J58B (see "c)" below).
 - b) Transition J58: The Transition has been renamed J58A and action term "FDC=0" has been added to agree with 9.5.
 - 9) A new Transition J58B has been added as follows.
 - a) The J58B event is as follows.
TWF=E & FWFA=1 & FWF=1 & MS<>BNT
 - b) The J58B action is as follows.
FDC=0; [FNC=0 (optional)]
 - 10) Transition J69 action: The term "FDC=FINS=FJR=FNC=FOP=0" is incorrect and has been replaced by: "FDC=FINS=FNC=FOP=0".
 - 11) Transition J68B event: The term "FSL=1 & FINS=0 & FAM=0" is missing and has been added.

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- B) Figure R-2 page R-3 Transmit FSM has been changed as follows.
- 1) Transition T10D action: The term "[TX_AB (optional)]" is incorrect and has been replaced by: "[TX_AB (optional-i)]".
 - 2) Transition T12A action: The term "TRR=E" is incorrect and has been replaced by "TRR=R".
 - 3) Transition T12B action: The term "TRR=E" is incorrect and has been replaced by "TRR=R".
 - 4) Transition T23D event: The term "Pr=Sx & Sr<Px" is incorrect and has been replaced with "Pr>Sx & Pr>=Px"
- C) Figure R-3 page R-4 Monitor FSM has been changed as follows.
- 1) Transition M02A event: The term "FANM=1 & MS=RPT" is incorrect and has been replaced by: "FANM=1 & JS=ANM".
 - 2) Transition M06 event: The term "FR_CT(SA=MA) & FAM=1" is incorrect and has been replaced by "FR_CT(SA<MA) & FAM=1".
 - 3) Transition M43 action: The term "FBR=FID=FOP=FRH=1" is incorrect and has been replaced by: "FBR=FID=FOP=FRH=FTXC=1".
 - 4) Transition M45 action: The term "TRH=R;" is missing and has been added.
 - 5) Transition M54 was missing and has been added per 9.5 as follows.
 - a) The M54 event is as follows.
CBR=0 & FDR=0 & FIPTKPS=1
 - b) The M54 action is as follows.
FBR=FTW=1
 - 6) Transition M65 event: The term "FNC=1" is incorrect and has been replaced by "FINS=1".