

1 **Annex Q**

2

3 **(Informative)**

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5 **DTR Station using the TKP Access Protocol**

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7 **Join, Transmit and Monitor Low Level FSMs**

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9 The following finite state machines show the operation of the DTR Station Operation Tables used by 9.6
10 in support of the DTR Station using the TKP Access Protocol. These FSMs are based on the FSMs
11 contained in annex F of the ISO/IEC 8802-5.2:1995 standard as updated by the 802.5s Errata document.

- 12 • Figure Q-1 contains the Join FSM with the state transition detail of 9.6, Table 9.6-1.

13 The Join state (JS=SRW) supports the DTR Registration Query protocol and is marked in Figure Q-1
14 as a bold state. Transitions entering or exiting the JS=SRW state are the changes to the Classic
15 Station specified in clause 4 required to support the DTR Registration Query protocol.

- 16 • Figure Q-2 contains the Transmit FSM with the state transition detail of 9.6, Table 9.6-2.

- 17 • Figure Q-3 contains the Monitor FSM with the state transition detail of 9.6, Table 9.6-3.

18 The rules for these FSMs are identified in 9.1.1.9.

19 ⇒ Details of the changes to annex Q requested by Ballot
20 Comment KTW17 are on pages Q-5 and Q-6. ⇐

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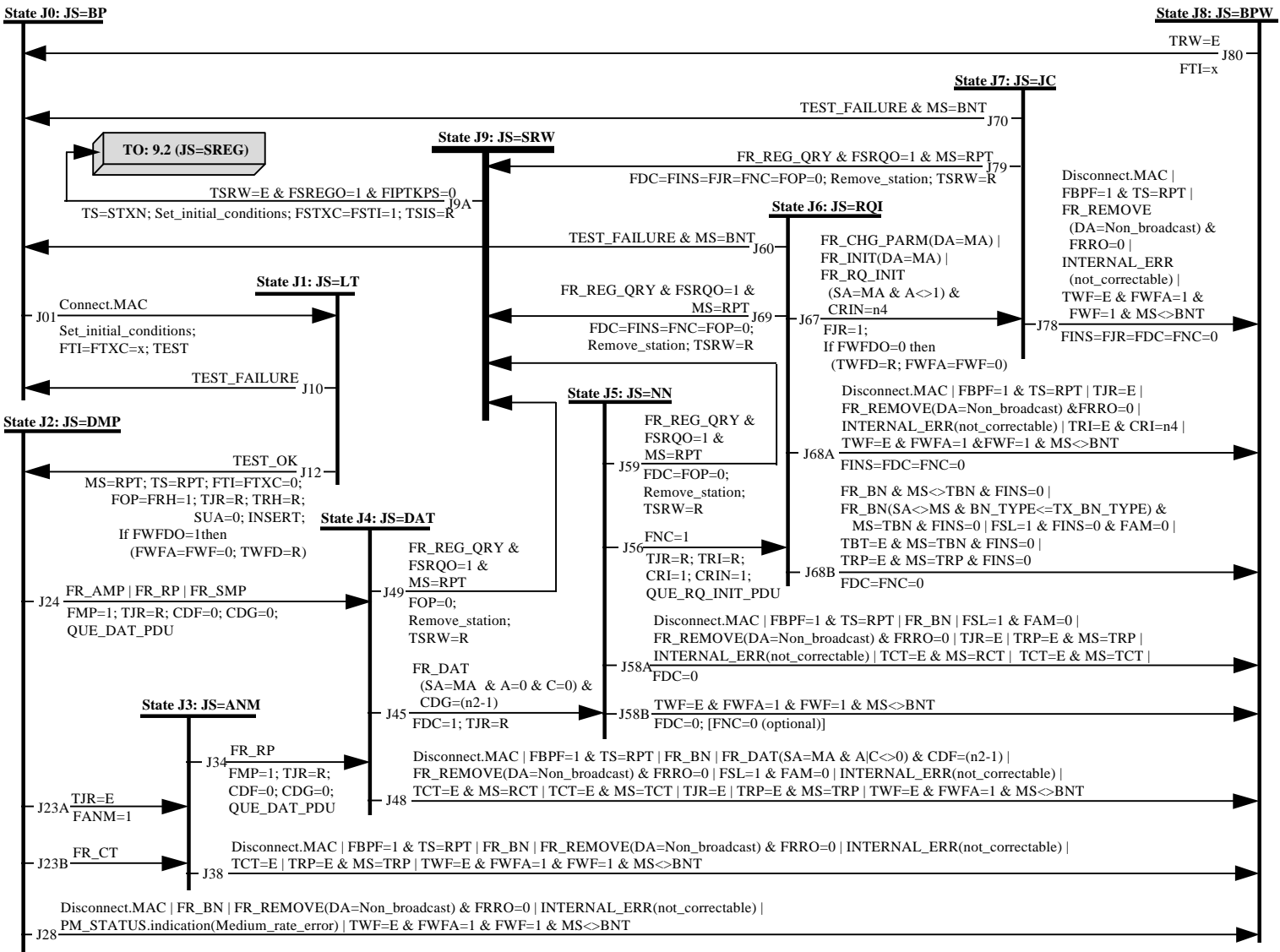


Figure Q-1 Joint FSM (JS=state): DTR Station using the TKP Access Protocol

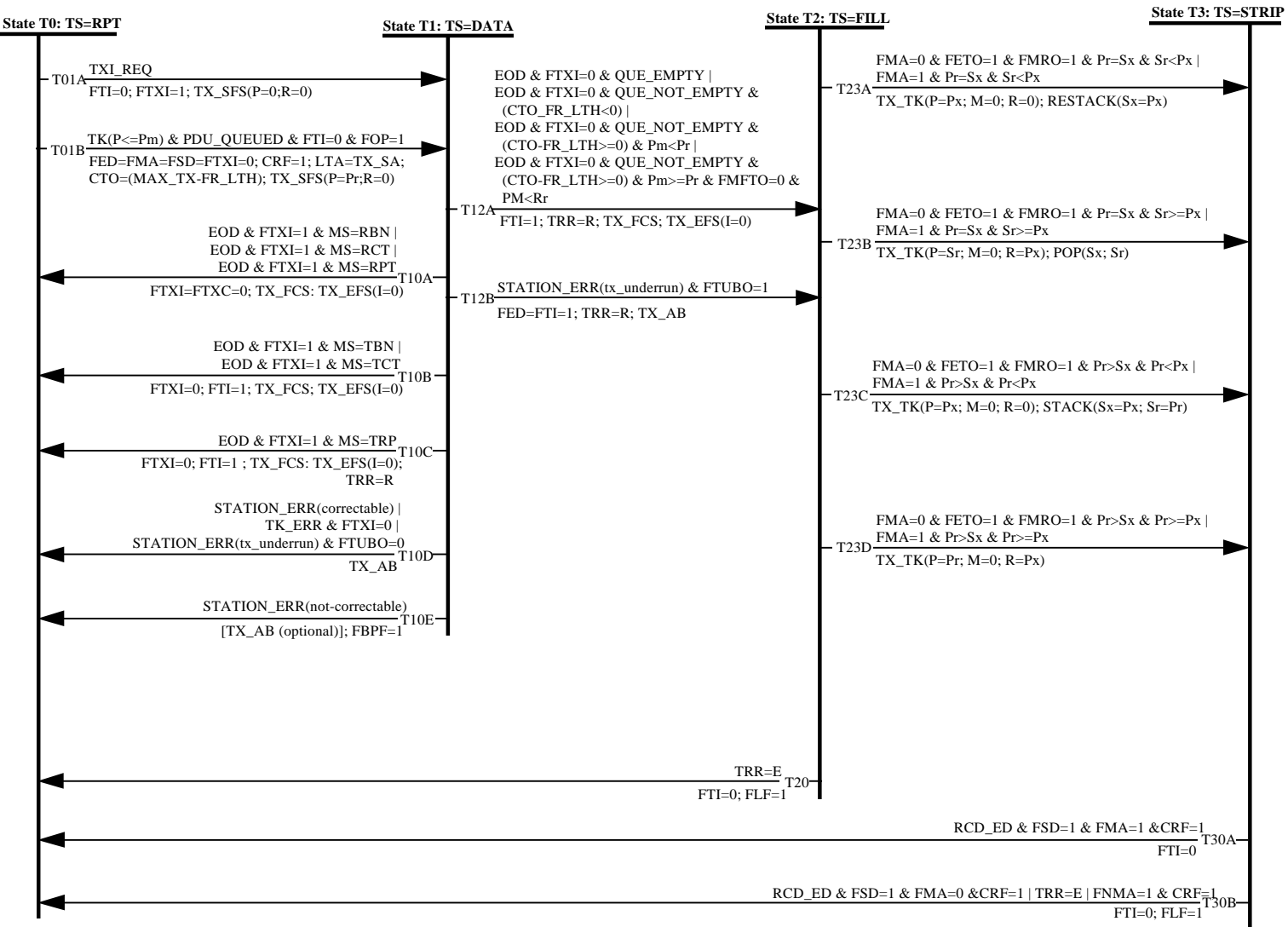


Figure Q-2 Transmit FSM (TS=state): DTR Station using the TKP Access Protocol

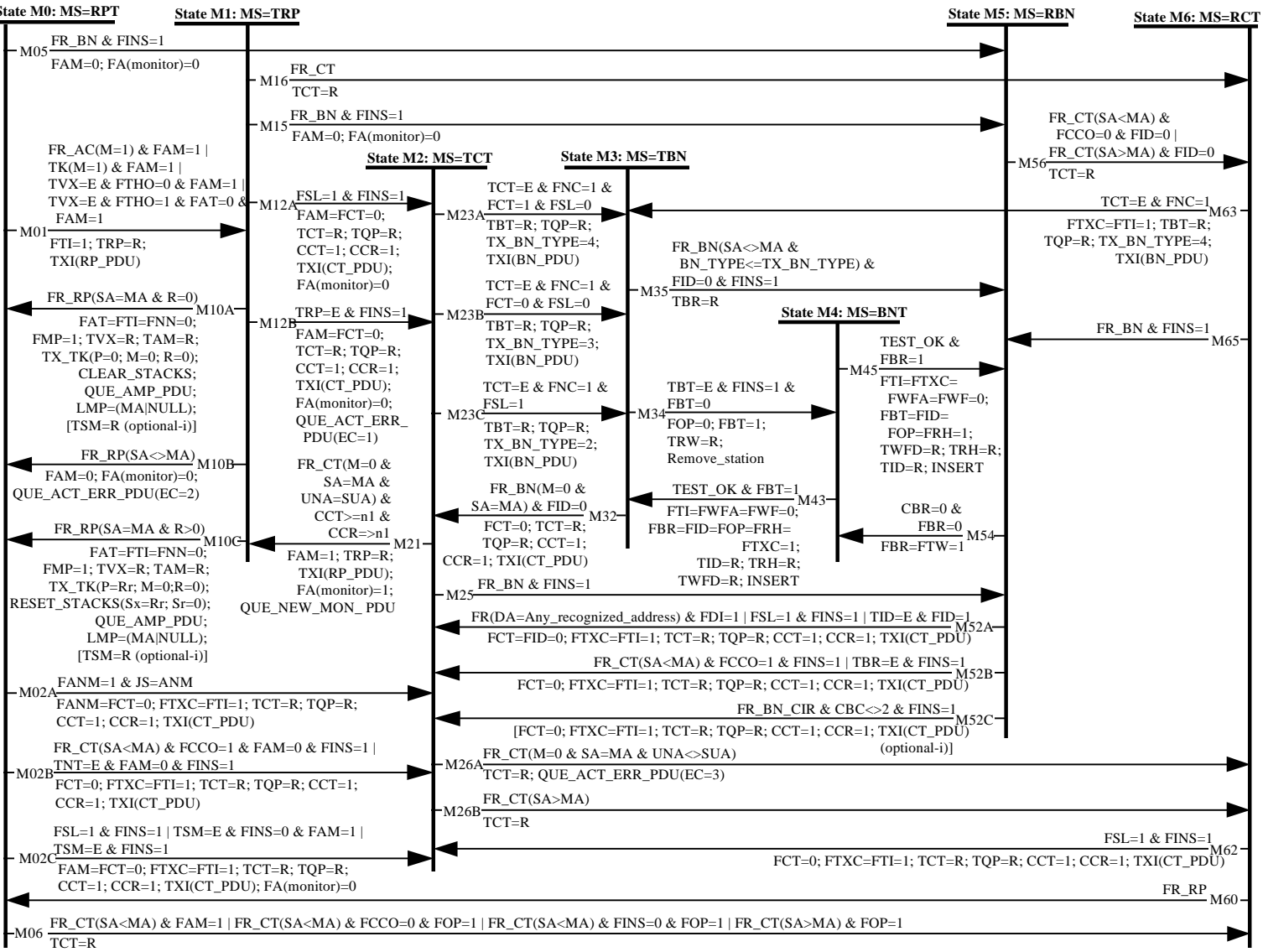


Figure Q-3 Monitor FSM (MS=state): DTR Station using the TKP Access Protocol

⇒ End of annex Q

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Details of Annex Q Changes

33 This section identifies the reason for the annex Q changes requested by Ballot Comment KTW17.

34 1. This paper is a complete replacement for annex Q in the P802.5r, Draft 6, October 1996 document.

35 The annex Q FSMs were redrawn because the 802.5s Draft 2 annex F FSMs, which are the basis of
36 802.5r TKP Access Protocol support, were redrawn.

37 2. This paper updates the annex Q released by Ken Wilson via the Proteon ftp site on October 23rd,
38 1996 to agree with 9.6 as follows.

39 A) Figure Q-1 page Q-2 Join FSM has been changed as follows.

40 1) Transition J9A has been corrected as follows.

41 a) The J9A event: The term "TSRW=E & FSREGO=1" is incomplete and has been
42 replaced by: "TSRW=E & FSREGO=1 & FIPTKPS=0".

43 b) The J9A action: The term "TSTXC=FSTI=1" is incorrect and has been replaced by:
44 "FSTXC=FSTI=1".

45 c) The J9A action: The ending semicolon in incorrect and has been removed.

46 2) Transition J12 event: The terms "FTI=0; FTXC=0;" are an incorrect notation and have been
47 replaced by the single term: "FTI=FTXC=0;".

48 3) Transition J24 action: The term "CDF=CDG=0;" is an incorrect notation representation of
49 counters and has been replaced by the two terms: "CDF=0; CDG=0;".

50 4) Transition J34 action: The term "CDF=CDG=0;" is an incorrect notation representation of
51 counters and has been replaced by the two terms: "CDF=0; CDG=0;".

52 5) Transition J38 event: The term "FBPF=1 & MS=RPT" is incorrect and has been replaced
53 by: "FBPF=1 & TS=RPT".

54 6) Transitions J49, J59, J69 and J79 events: The term "FSRW=1" is not in 9.6 and have been
55 replaced by: "FR_REG_QRY & FSRQO= & MS=RPT".

56 7) Transition J48 event: The term "TCT=E & MS=RCT" is missing and has been added.

57 8) Transition J58 has been changed because of a change in 802.5s as follows.

58 a) Transition J58 event: The Transition has been renamed J58A and term "TWF=E &
59 FWFA=1 & FWF=1 & MS<>BNT" has been moved to the new Transition J58B.

60 b) Transition J58 action: The Transition has been renamed J58A and term "FDC=0" has
61 been added to agree with 9.6.

62 9) A new Transition, J58B, has been added as follows.

63 a) The J58B event is as follows.

64 TWF=E & FWFA=1 & FWF=1 & MS<>BNT

65 b) The J58B action is as follows.

66 FDC=0; [FNC=0 (optional)]

67 10) Transition J68B event has been changed as follows.

68 a) The term "FR_BN & MS<>TBN & FINS=1" is incorrect and has been replaced by:
69 "FR_BN & MS<>TBN & FINS=0".

70 b) The term "FSL=1 & FINS=0 & FAM=0" is missing and has been added.

71 11) Transition J68A event: The event has been reformatted to prevent the division of the term:
72 "TRI=E & CRI=n4". The events remain the same.

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- 73 B) Figure Q-2 page Q-3 Transmit FSM has been changed as follows.
- 74 1) Transition T12A action: The term "TRR=E" is incorrect and has been replaced by "TRR=R".
- 75 2) Transition T12B action: The term "TRR=E" is incorrect and has been replaced by "TRR=R".
- 76 3) Transition T23D event: The term "Pr=Sx & Sr<Px" is incorrect and has been replaced with
- 77 "Pr>Sx & Pr>=Px"
- 78 C) Figure Q-3 page Q-4 Monitor FSM has been changed as follows.
- 79 1) Transition M02A event: The term "FANM=1 & MS=RPT" is incorrect and has been
- 80 replaced by: "FANM=1 & JS=ANM".
- 81 2) Transition M06 event: The term "FR_CT(SA=MA) & FAM=1" is incorrect and has been
- 82 replaced by "FR_CT(SA<MA) & FAM=1".
- 83 3) Transition M43 action: The term "FBR=FID=FOP=FRH=1" is incorrect and has been
- 84 replaced by: "FBR=FID=FOP=FRH=FTXC=1".
- 85 4) Transition M45 action: The term "TRH=R;" is missing and has been added.
- 86 5) Transition M54 was missing and has been added per 9.6 as follows.
- 87 a) The M54 event is as follows.
- 88 CBR=0 & FDR=0 & FIPTKPS=1
- 89 b) The M54 action is as follows.
- 90 FBR=FTW=1
- 91 6) Transition M65 event: The term "FNC=1" is incorrect and has been replaced by "FINS=1".