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|----- MODULE epos4 -----|

  NMT states
  CONSTANT NMT_Booting, NMT_PreOperational, NMT_Operational, NMT_Stopped

  NMT  $\triangleq$  {NMT_Booting, NMT_PreOperational, NMT_Operational, NMT_Stopped}

  EPOS states
  CONSTANT EPOS_NotReadyToSwitchOn, EPOS_SwitchOnDisabled, EPOS_ReadyToSwitchOn,
    EPOS_SwitchedOn, EPOS_OperationEnabled, EPOS_QuickStopActive,
    EPOS_FaultReactionActive, EPOS_Fault

  EPOS  $\triangleq$  {EPOS_NotReadyToSwitchOn, EPOS_SwitchOnDisabled,
    EPOS_ReadyToSwitchOn, EPOS_SwitchedOn, EPOS_OperationEnabled,
    EPOS_QuickStopActive, EPOS_FaultReactionActive, EPOS_Fault}

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  VARIABLES nmt_state, epos_state

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  TypeOK  $\triangleq$   $\wedge$  nmt_state  $\in$  NMT
     $\wedge$  epos_state  $\in$  EPOS

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  Recv_BootUp  $\triangleq$   $\wedge$  nmt_state = NMT_Booting
     $\wedge$  nmt_state' = NMT_PreOperational
     $\wedge$  UNCHANGED epos_state

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  Init  $\triangleq$   $\wedge$  nmt_state = NMT_Booting
     $\wedge$  epos_state = EPOS_NotReadyToSwitchOn

  Next  $\triangleq$   $\vee$  Recv_BootUp

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  \* Modification History
  \* Last modified Mon Jan 13 13:34:17 CET 2020 by martin
  \* Created Mon Jan 13 12:39:13 CET 2020 by martin

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