

Receiver StateChart for XMODEM file-transfer protocol.

Real events are either
SER (serial character recieved),
KB_C (cancel command received from keyboard)
TM (timeout occurred)

The WorkaroundTransient states were introduced to work around a bug in the current version of the SmartState program. Without these WorkaroundTransient states, the triggering of the applicable transitions would not result in the StateChart ending up in the FirstByte state. Instead, the StateChart would stay in exactly the same state.

Ordinarily...
TM_SOH (normal timeout waiting for SOH) gives 10 seconds
TM_SOH_C (timeout waiting for SOH after 'C') gives 3 seconds
TM_2CHAR gives a period longer than the
inter-character timeout of 1 sec.

CompleteReceiverTopLevel

