Receiver_TopLevel

[Entry]
ctx.NCGbyte = ctx.Crcflg ? 'C' : NAK;
ctx.sendByte(ctx.NCGbyte);
ctx.errCnt=0;
[Exit]

CAN
[Entry]
[Exit]

onEvent(SER)
[c == CAN]
/ctx.result="SndCancelled";
/*ctx.clearCan();*/

onEvent(SER)
[c == CAN]

onEvent(SER)
[c==CAN]

FirstByte
[Entry]
[Exit]

onEvent(SER)
[c == EOT]
/ctx.sendByte(NAK);

EOT
[Entry]
[Exit]

onEvent(SER)
[c==EOT]
/if (ctx.closeTransferredFile()) {
      ctx.can8();
      ctx.result="CloseError";
}
else {
      ctx.sendByte(ACK);
      ctx.result="Done";
}

onEvent(SER)
[c==SOH]
/ctx.getRestBlk();
if (ctx.goodBlk1st)
      ctx.errCnt=0;
else ctx.errCnt++;

onEvent(CONT)
[!ctx.syncLoss & (ctx.errCnt < errB)]
/if (ctx.goodBlk) ctx.sendByte(ACK);
else ctx.sendByte(NAK);
if (ctx.goodBlk1st)
      ctx.writeChunk();

onEvent(CONT)
[ctx.syncLoss || ctx.errCnt >= errB]
/ctx.can8();
if (ctx.syncLoss)
      ctx.result="LossOfSyncronization";
else
      ctx.result="ExcessiveErrors";

ConditionalTransient
[Entry]
POST("*",CONT);
[Exit]

onEvent(SER)
/cerr << "Receiver received totally unexpected char #" << c << ": " << (char) c << endl;
exit(EXIT_FAILURE);