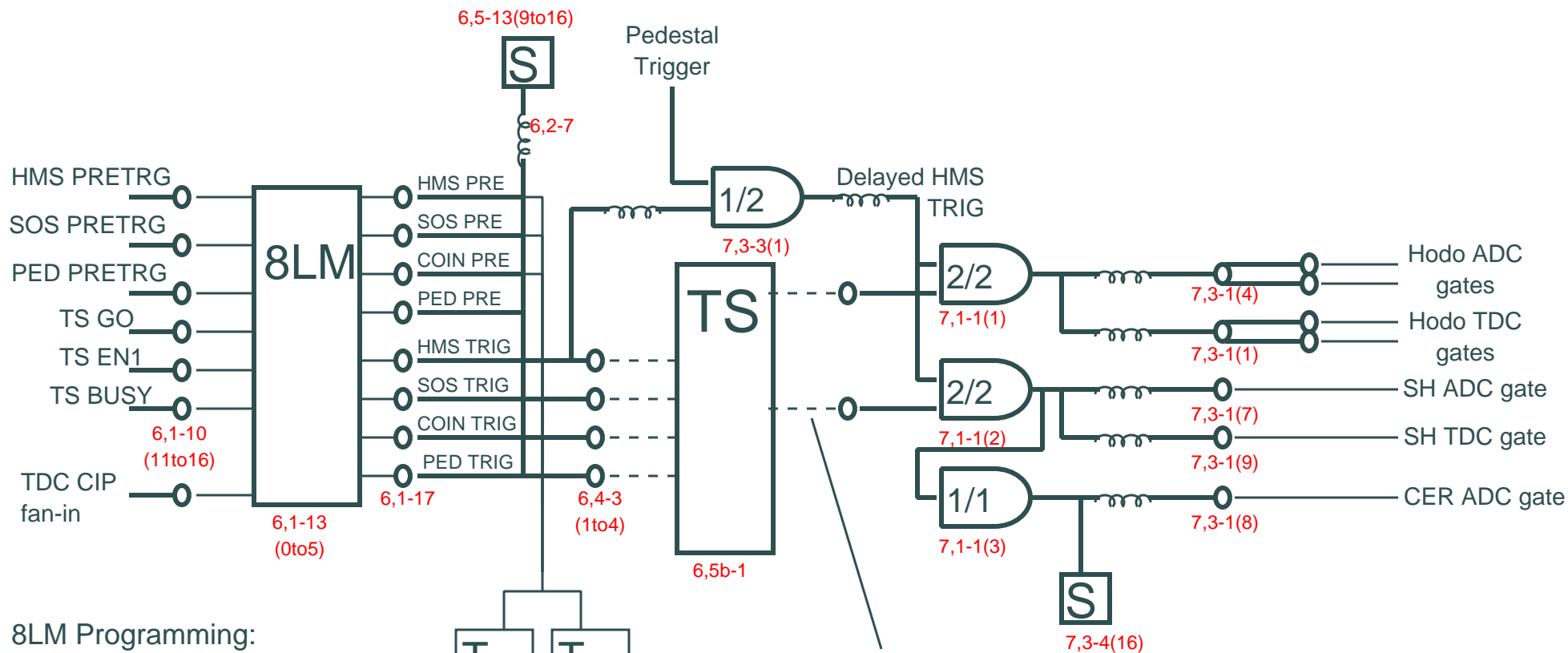


# Trigger Supervisor

5/10/99



## 8LM Programming:

OUTPUT INPUTS

HMS PRETRIG = (HMS) & (EN1)  
 SOS PRETRIG = (SOS) & (EN1)  
 COIN PRETRIG = (HMS) & (SOS) & (EN1)  
 PED PRETRIG = (PED) & (GO) & (NOT EN1)

HMS TRIG = (HMS) & (EN1) & (NOT BUSY)  
 SOS TRIG = (SOS) & (EN1) & (NOT BUSY)  
 COIN TRG = (HMS) & (SOS) & (EN1) & (NOT BUSY)  
 PED TRIG = (PED) & (GO) & (NOT EN1) & (NOT BUSY)

GO = Run has been started.  
 EN1 = Run in progress, and data taking enabled.

The TDC CIP fan-in is the OR of all of the TDC conversion in progress 'busy' signals. This keeps the TS 'busy' as long as the TDCs are busy converting the data. This is unimportant for non-buffered mode. This NEEDS to be plugged in for buffered mode. The signal occasionally gets stuck in the 'busy' state, in which case you need to stop the run (and possibly reset the fastbus crate). This can happen for buffered or non buffered running. The symptom is the 'busy' light of the TS being stuck ON.