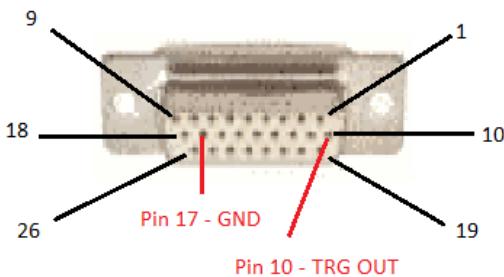


PMC-1553 TRIGGER OUT TESTING

(Rich Wade – 16 OCT 12)

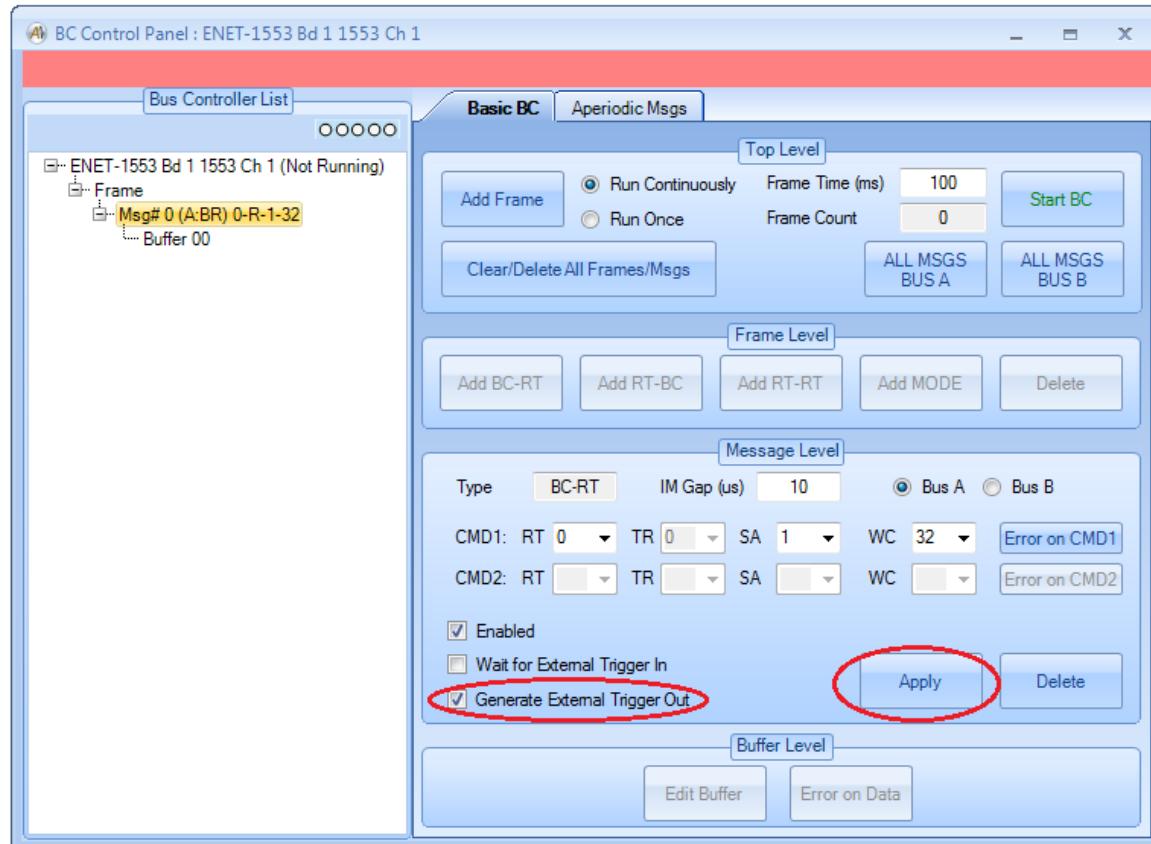
I use an ENET-1553 card, running the AltaView software (v2.5.7.0) on Windows 7 32-bit.

I connect my oscilloscope with the probe on **Pin 10** of the **DB-26 J2 AUX connector**, and I have the ground clip on **Pin 17**.

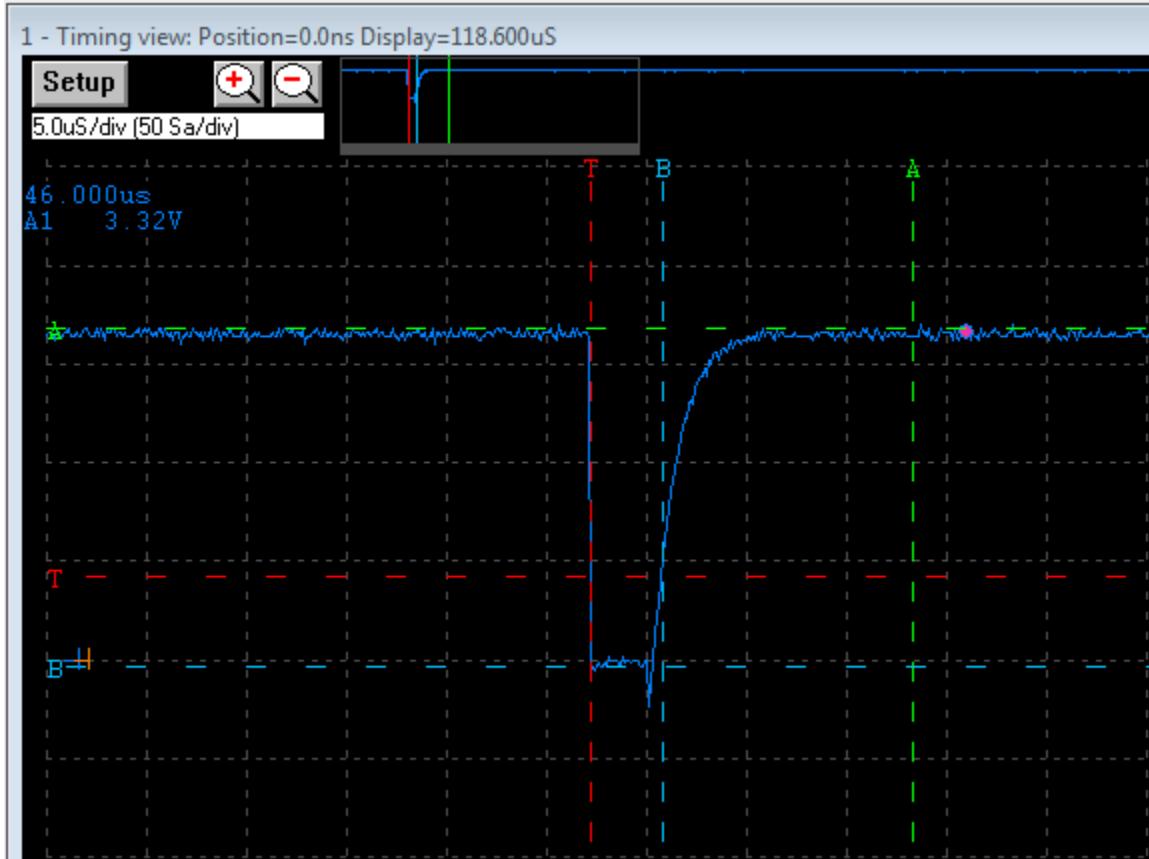


NOTE: The pin-out for the DB-26 AUX Connector (J2 cable) is DIFFERENT from the pin-out of the J2 circular connector on the ENET-1553. Table A-2 in the ENET-1553 Hardware Manual shows the pin-out of the J2 circular connector and how it maps to pins on the J2 cable DB-26 connector.

On AltaView, I open the BC Control Panel, add one message to the frame (0-R-1-32), enable the message to generate an output trigger, and hit the “Apply” button. Then I start the BC.



Oscilloscope sees the output trigger (1V per vertical division, 5us per horizontal division):



The signal is normally high (+3.3v), when the trigger occurs it goes low for about 3us.