

Application Note

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Using ATM QOS to test propagation delay of a facility

Using QOS in ATM to test for round trip propagation delay through a Facility.

There is no direct way in the ASA312 to measure propagation delay of a facility. If you however have a clear facility and your ASA-312 has ATM functionality you can use the following procedure to calculate delay of a facility.

Test Setup:

1. Put a loop-back up on the far end of your facility
2. Map ATM into the facility to be tested. (Using presets is the easiest way)
3. Go to the ATM protocol processor. (Touch green bar or ATM button at bottom of screen)
4. Under function group press the FUNCTNS button



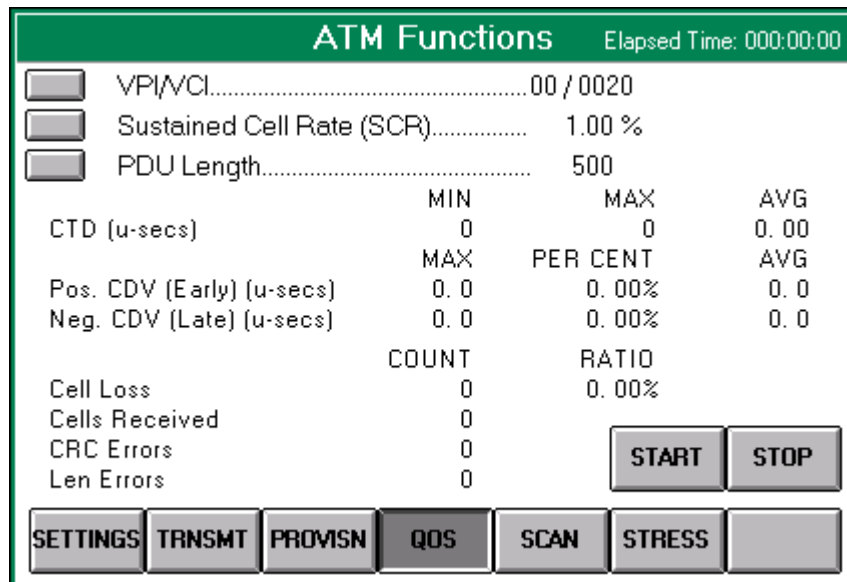
5. Then press the QOS button



6. Then press the START button



On the screen:



The CTD (cell transfer delay) is 1/2 of the entire round trip delay of your facility. If you multiply this number by two (2) it will give you the entire round trip propagation delay from the ASA through the facility, and looped back to the ASA.