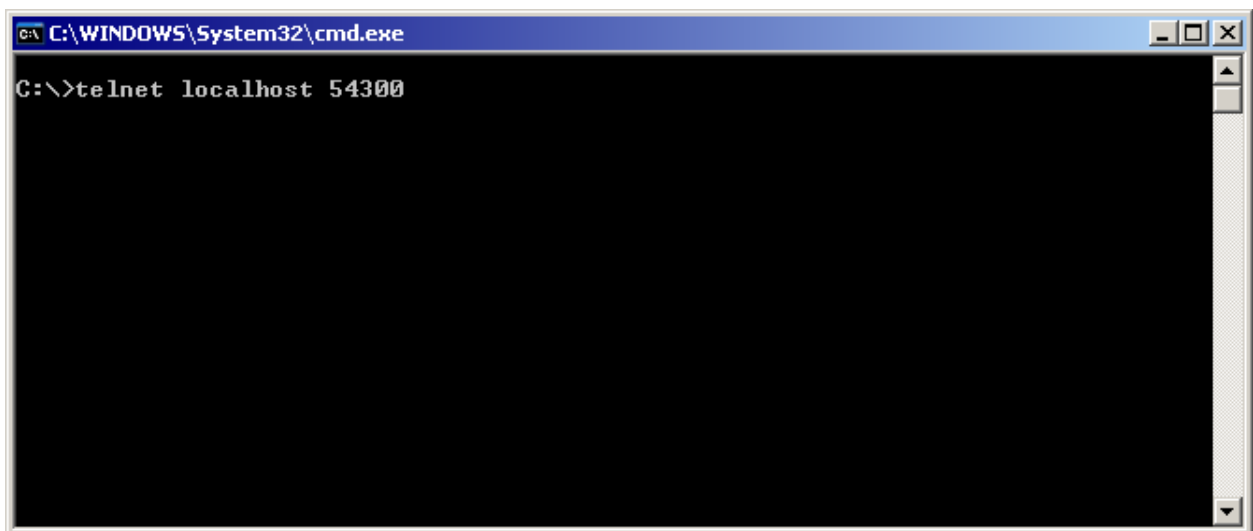# ApexPro FH transceiver
Mapping the new RF id (WIT) to device master

Problem: Customer receives the ApexPro FH transceiver back from repair with a different RF id (WIT). When customer admits the transceiver to the system the transceiver goes into Zombie mode, giving an on screen NO TELEM message.

Cause: Depot Repair replaced the RF module. The TTX number is already present in the Device Master TTX mapping with old RF id (WIT) (Depot repair replacing the RF module changed the original RF id to a new id).
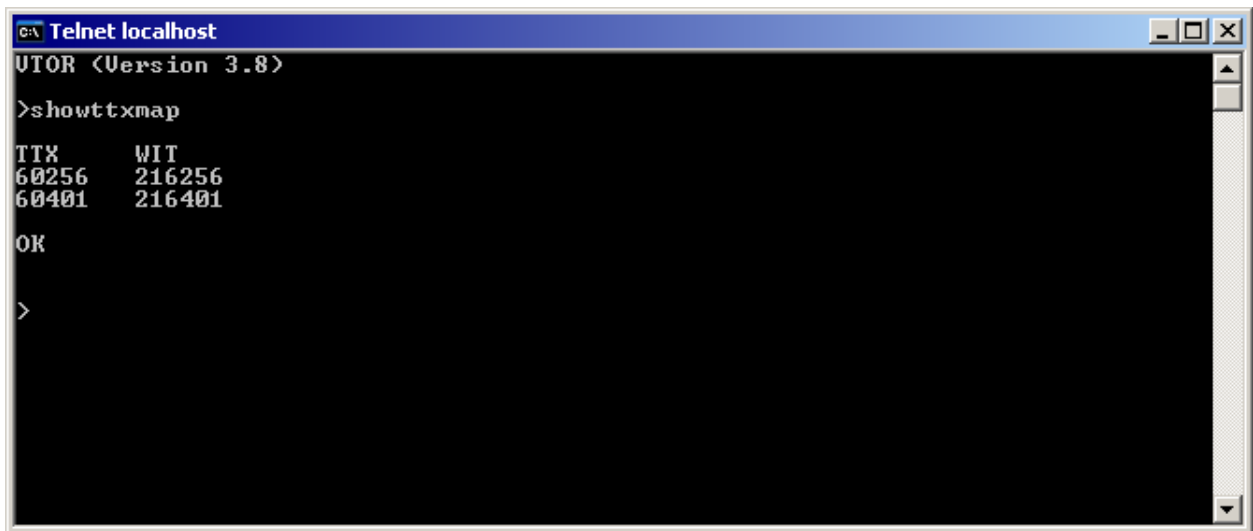
Resolution: Remap the TTX to the new RF id.
1. Identify Device Master
2. Open Telnet session from Device Master:
   a- Start a command prompt. It may be helpful to set the properties of the command prompt window so that the screen buffer size is large enough to hold all the TTX/WIT entries. One line is used for each entry.
   b- Start a telnet session to vtor. The command is:
   telnet localhost 54300
   See Figure 1.
3. Show current TTX mapping:
   a- to display the TTX/WIT map use the "showttxmap" command. The command is:
   showttxmap
   See Figure 2.

Figure 1 Starting a vtor telnet session

Figure 2 Using the "showttxmap" command

4. Modify the TTX map:
   a- Modify entries with the mapttxwit command (The RF id or WIT can be found on the back label of the transceiver right under the serial number).
   Syntax: mapttxwit TTX WIT
   Example: mapttxwit 60256 216256
   b- If the command returns "OK" it completed without error.
   If the command returns "ERROR", then it is likely that the TTX is already mapped. To remove the current mapping the unmapttxwit command is used.
   Syntax: unmapttxwit TTX
   Example: unmapttxwit 60256
   Then the mapttxwit command should succeed when it is subsequently run for the TTX to be added.

5. Take the ApexPro FH transceiver out of Zombie mode (The Zombie mode will occur when a transceiver with the same TTX but with different RF id is admitted to the system).

   a- Run OpenNet Expert on Personal Computer (OpenNet kit p/n 2016155-006)
   b- Connect transceiver through provided cable to you Personal Computer
   c- Select Action and Get Settings from OpenNet Expert menu.
   d- Modify the RF id (WIT) to what previously mapped (step 4a). Usually if the ApexPro transceiver is in Zombie mode the RF id will appear as "invalid" in OpenNet Expert.