

SCADA Communications Failover to Redundant Cellular Backup Link with IP 100 Terminal Server

The SCADALink IP100 can be used for Modbus SCADA Communications Failover to a redundant backup cellular link. When set to Modbus IP and Serial MUX mode, a primary and secondary path can be multiplexed to the same COM port (COM2).

The SCADA Host primary path uses Telco Frame Relay Network to establish a VPN to the SCADA Network at the Radio Tower. The primary path uses a TCP/IP connection to COM2 of the IP100 to connect to the SCADA Radio. When the primary path fails, the SCADA Host switches over to the Redundant Cellular Backup Link which can be serial or ethernet as shown below.

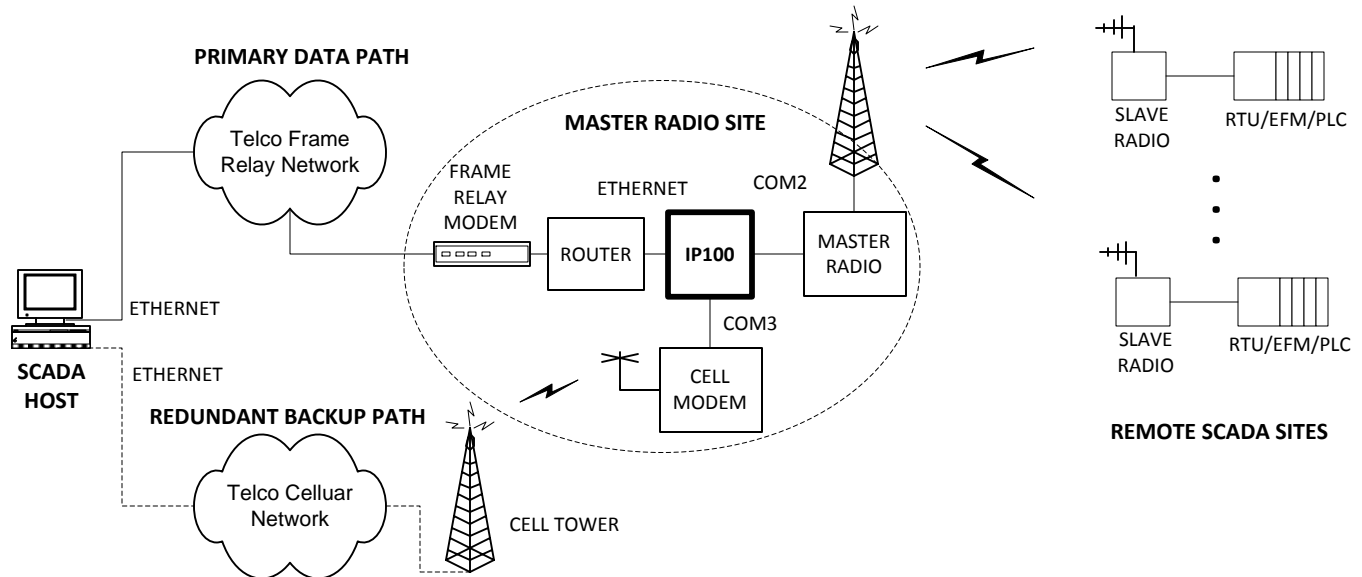


Fig.1: Cellular Modem with Serial Link Used as Backup

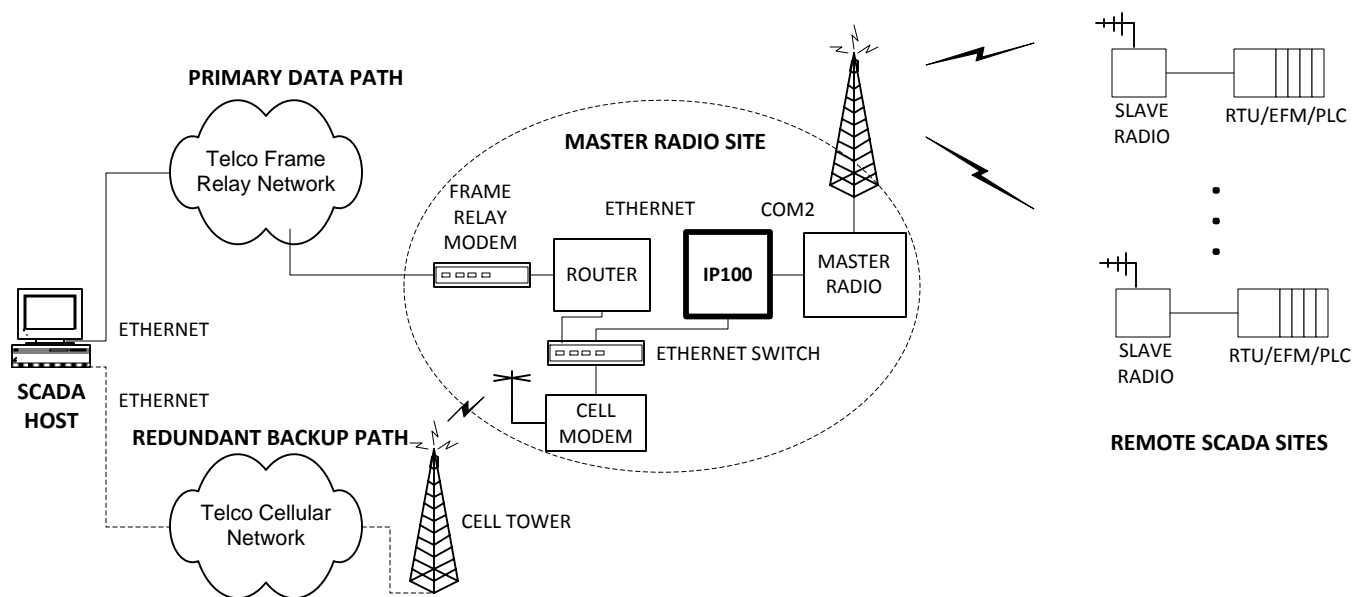


Fig.2: Cellular Modem with Ethernet Link used as Backup