Note:
Sinks without additional power source always return to unpowered start state from any state due to disconnect event. Expect that faults that cause normal operation exit but leave voltage would transition to Source detected state.

Possible Sink Faults:
1. Voltage out of range
2. Communications failure
   . Unknown request
   . Unknown Command
   . Invalid Data in request
3. Periodic communications failure
   . Invalid sync attempt
   . Excessive time since last sync
Simple Sink

Note:
1. During comm voltage sink must keep load current from exceeding Comm limit.
2. Simple sinks all assumed to not have alternate power source.
3. Only possible fault is voltage out of range so expect to have to return to Comm voltage applied state.

Possible Simple Sink Faults:
1. Voltage out of range
Bi Directional Power Port

Source Input Voltage Applied

Fault Cleared

Initialized, unterminated

Disconnect detected

Termination detected (NOTE1)

No Communication possible but valid termination

Sink Communications successful

Fault Detected

Fault Cleared

Normal Operation Limited Power (20W)

Fault Detected

Normal operation Intelligent Sink

Notes:
1. Detection of termination may be problematic if current draw is the trigger for termination. If both sides are sourcing voltage onto the link then each may see what looks like an open cable due to the sourcing from the other end.
2.