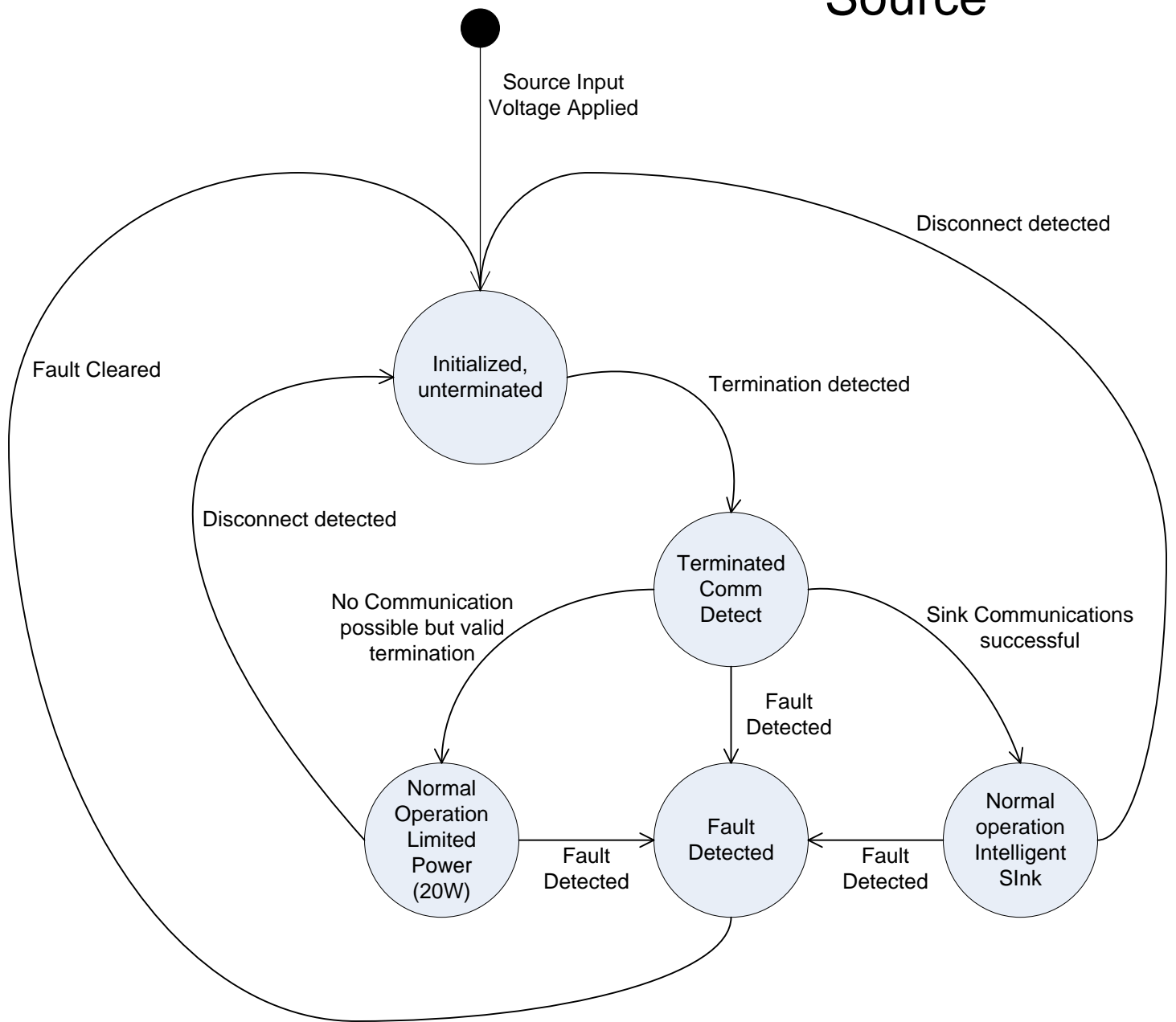
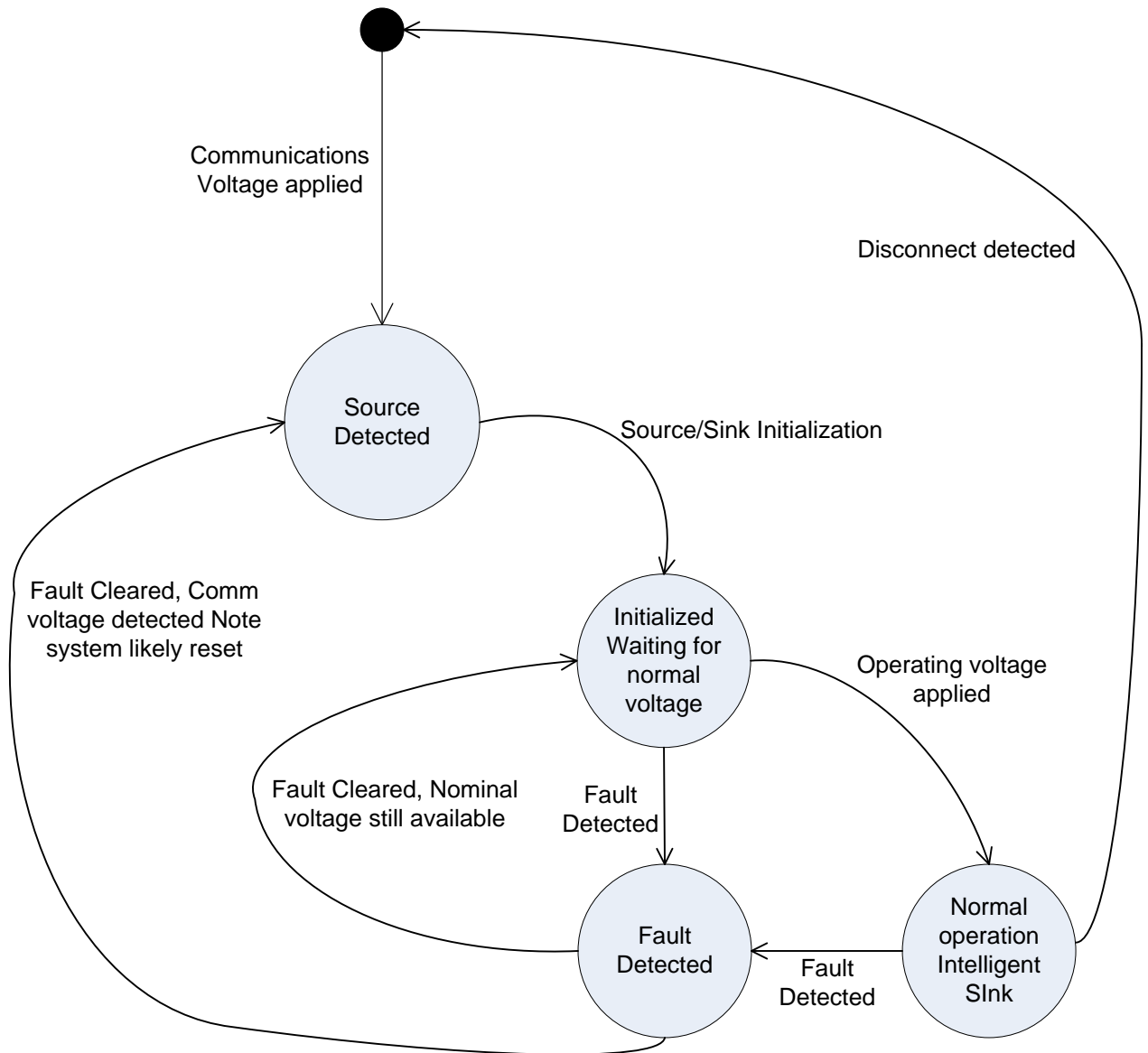


Source



Standard Sink

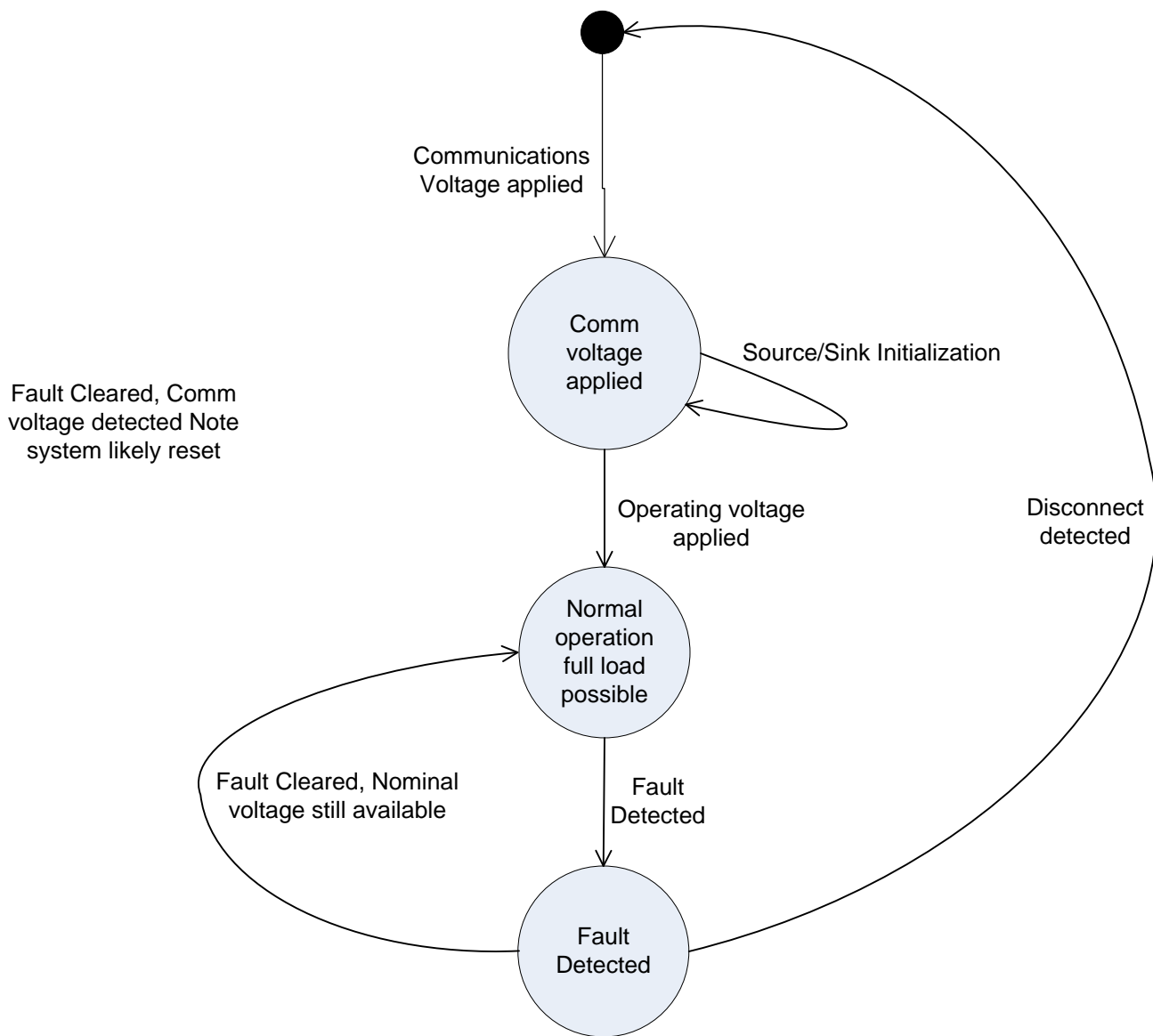


Note:
Sinks without additional power source always return to unpowered start state from any state due to disconnect event. Expect that faults that cause normal operation exit but leave voltage would transition to Source detected state

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



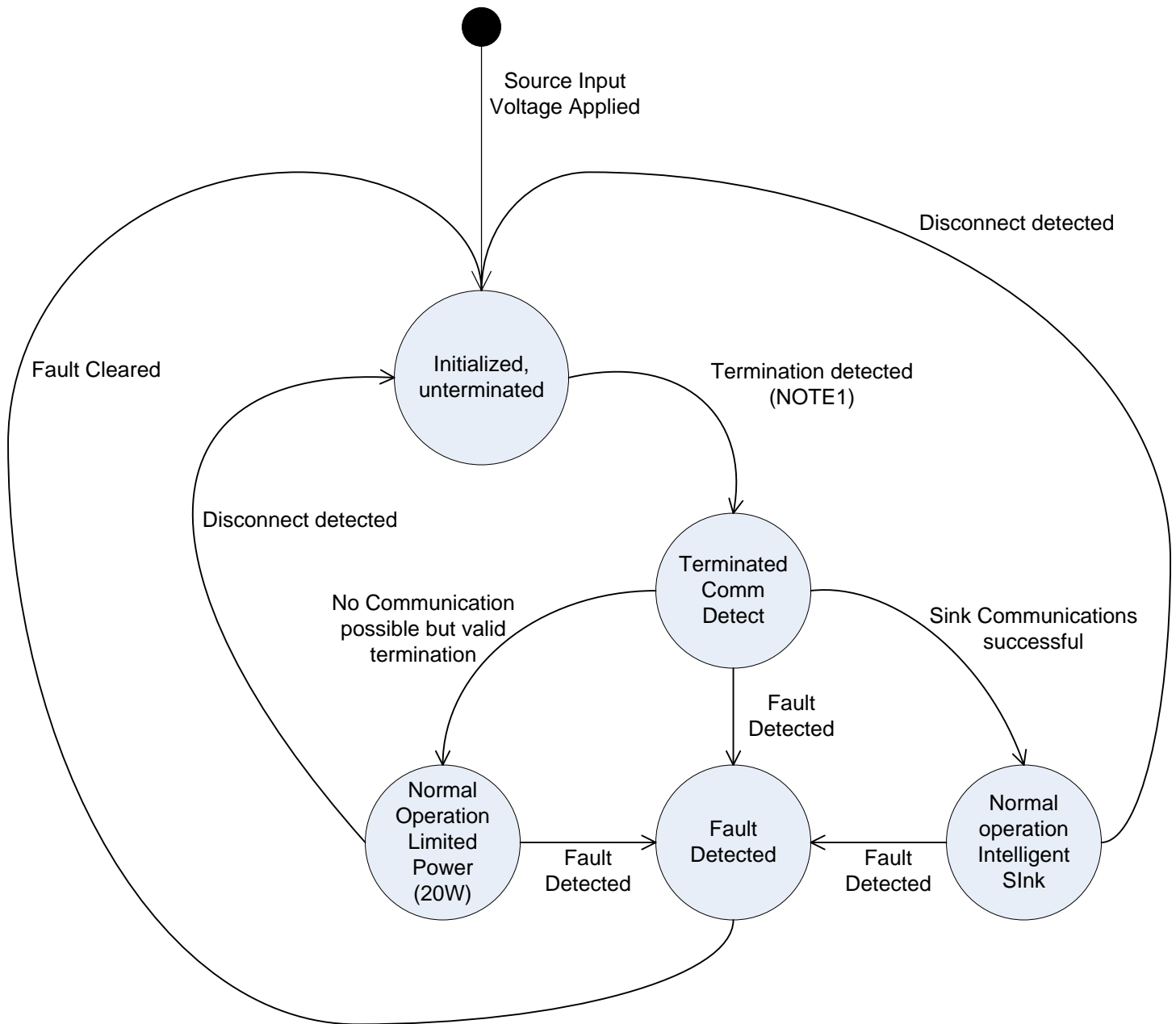
Note:

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



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.