State diagram with the following states and transitions:

- Initialization
- Not Connected
- STATE pin high
- STATE pin low
- Connected
- Fault Code != 0 → Fault → Fault Code Cleared
- Reset Flag Set → Reset
- Low Power Flag Set → Low Power
- Send Flag Set → Send
- Read Flag Set → Read → Read Flag Cleared
- Fault Code != 0 or Reset Flag Set or Low Power Flag Cleared → Low Power Exit
- No other flags set

State Priority (highest to lowest):

Fault

Reset

Low Power

Low Power Exit

Connected

Not Connected

Send

Read

Initialization