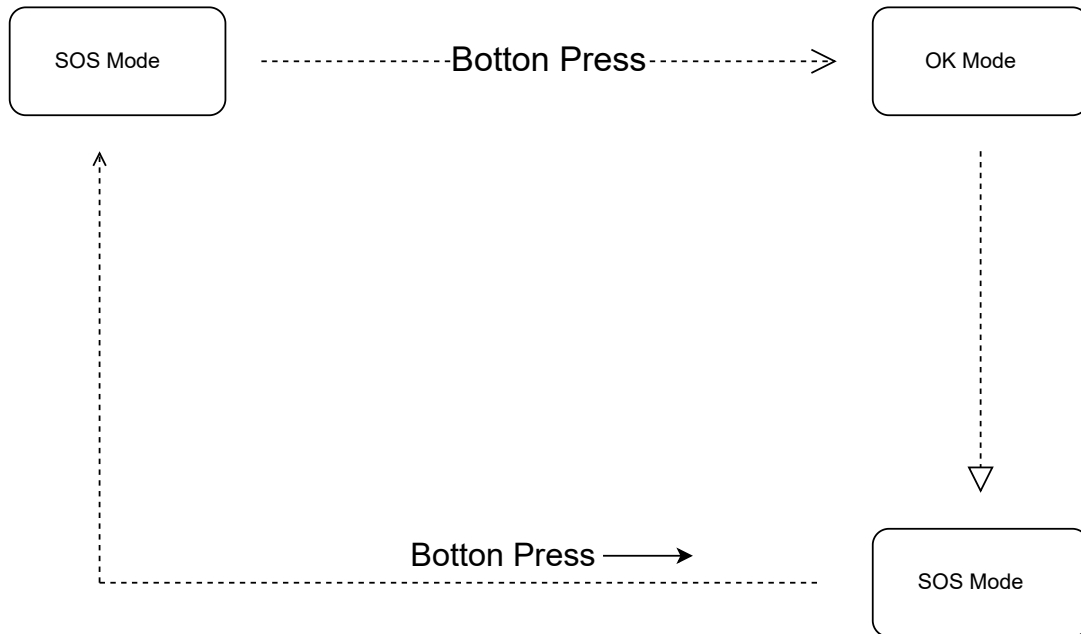


## Victor Udeh M5 Milestone 3



### Explanation:

#### 1. SOS Mode:

- **Initial State:** The system starts in **SOS Mode**.
- In this state, the system blinks the Morse code for "SOS" (... --- ...).
- When **Button 0** is pressed:
  - The system **waits** for the current **SOS** message to finish.
  - Once the **SOS** message completes, the system transitions to **OK Mode**.

#### 2. OK Mode:

- In this state, the system blinks the Morse code for "OK" (--- ·-).
- When **Button 0** is pressed:
  - The system **waits** for the current **OK** message to finish.
  - Once the **OK** message completes, the system transitions back to **SOS Mode**.

### Transitions:

- **SOS -> OK:** A button press in **SOS Mode** switches the system to **OK Mode** after the **SOS** message completes.
- **OK -> SOS:** A button press in **OK Mode** switches the system back to **SOS Mode** after the **OK** message completes.