Sampler Operation Flowchart


```
Initialize (I)
Power On/Node-red
startup
        │
        ▼
   Calibrate          Yes      Calibrate Standard
   Standard      ────────────▶   Syringe (CS)
   Syringe?
        │ No                           │
        ▼                              ▼
   Standby (SB) ◀────────────────────────────────┐
        │                                         │
        ▼                                         │
   Calibrate          Yes      Calibrate Vial     │
   Vial Position? ──────────▶  Position (CV)      │
        │ No                           │          │
        ▼                              ▼          │ No
   Ready Mode (RD) ◀───────────────────           │
        │                                         │
        ▼                                         │
   Start Batch?       Yes      Run Sample Mode   Advance X Axis
                  ──────────▶      (RS)     ────▶ after Sample, Is Next Vial
        │                          ▲            Present (RS1)?
        │ No                       │ Yes
        ▼                          └──────────────┘
       Wait
```
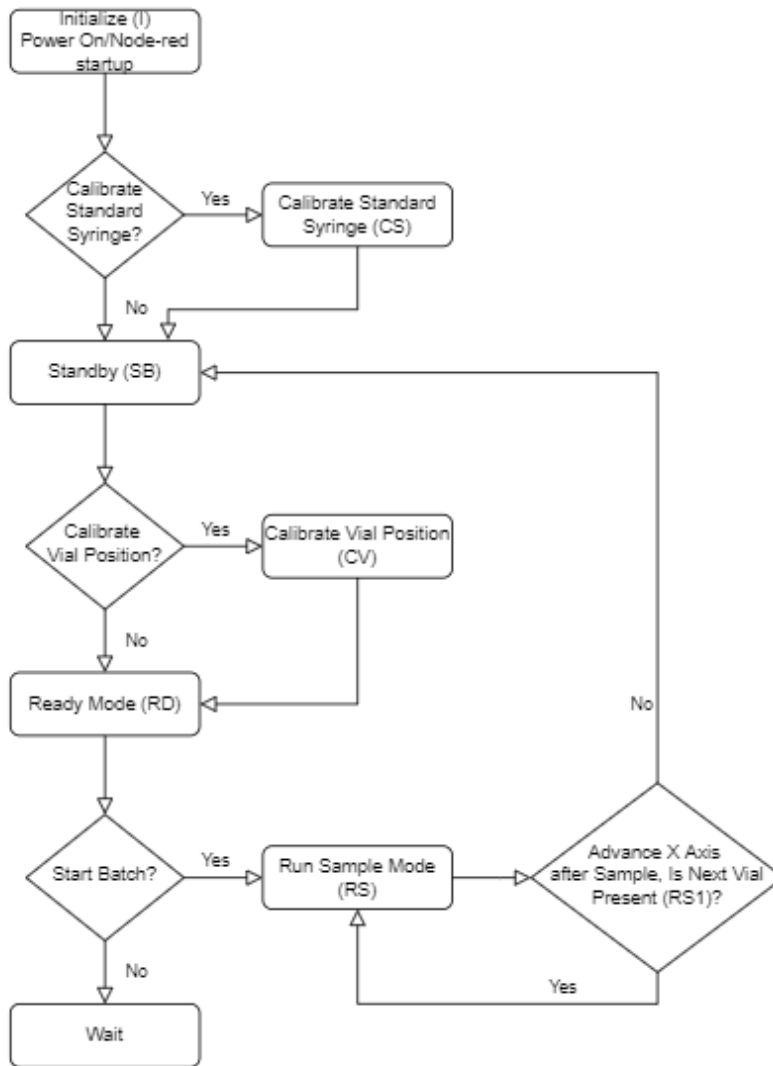
```
Initialize (I) File = Initialization Steps (I).pdf or .odt
Standby (SB) File = Standby Steps (SB).pdf or .odt
Ready Mode (RD) File = Ready Steps (RD).pdf or .odt
Run Sample Mode (RS) File = Run Sample Steps (RS).pdf or .odt
Calibrate Standard Syringe (CS) File = Not Created Yet
Calibrate Vial Position (CV) File = Not Created Yet
```