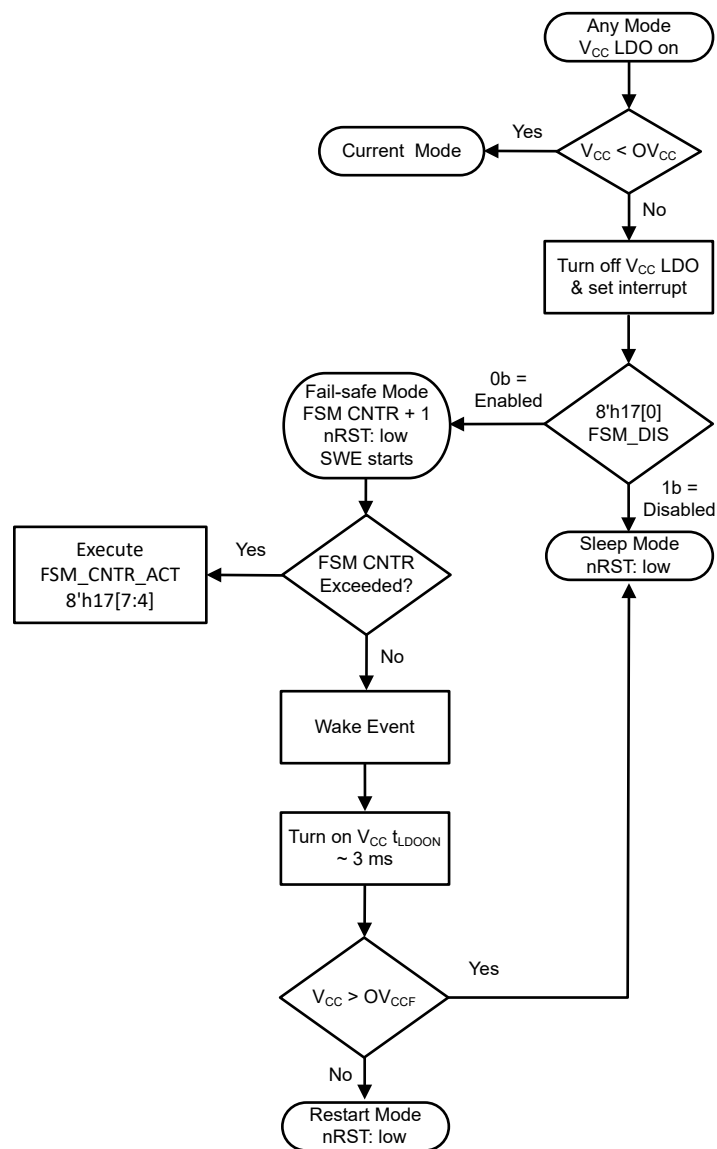


Note

If an over-voltage event takes place while the device is in Init mode the following will happen:

- The device will sample the pins and determine whether the device is Pin or SPI control
- The device will determine the input/output voltage level if the TLIN1431-Q1
- The device will determine if WKRQ/INH pin is WKRQ or INH
- The device will transition to fail-safe mode



If the exit events do not take place before the SWE timer timeouts the device will enter sleep mode

Figure 8-14. OV_{CC} flow chart

For a short to ground event, V_{CCSC} , the device turns off the V_{CC} LDO and transitions to either sleep mode, fail-safe mode disabled, or fail-safe mode. When a wake event takes place, the V_{CC} LDO is turned on for t_{LDOON} to determine if the short to ground is still present. If cleared, the device enters restart mode from either sleep or fail-safe modes. When in fail-safe mode, if the short to ground has not cleared when the wake event takes place the device will transition to sleep mode.