

This entire diagram applies inside the IOT Process\_Loop state. We must circulate through this loop continuously. Failure to arrive here means that the MQTT stack will not be serviced -- and you will not be able to send or receive any IOT messages. Keep in mind that some messages arrive spontaneously and there no way to predict their arrival, so when not doing something specific, we pass through this state perpetually. The more frequently we pass through this state, the more quickly our software will respond to incoming AWS IOT messages.

A blue path indicates each time the task yields execution back to the RTOS scheduler.

## Process\_Loop() Flow Chart

