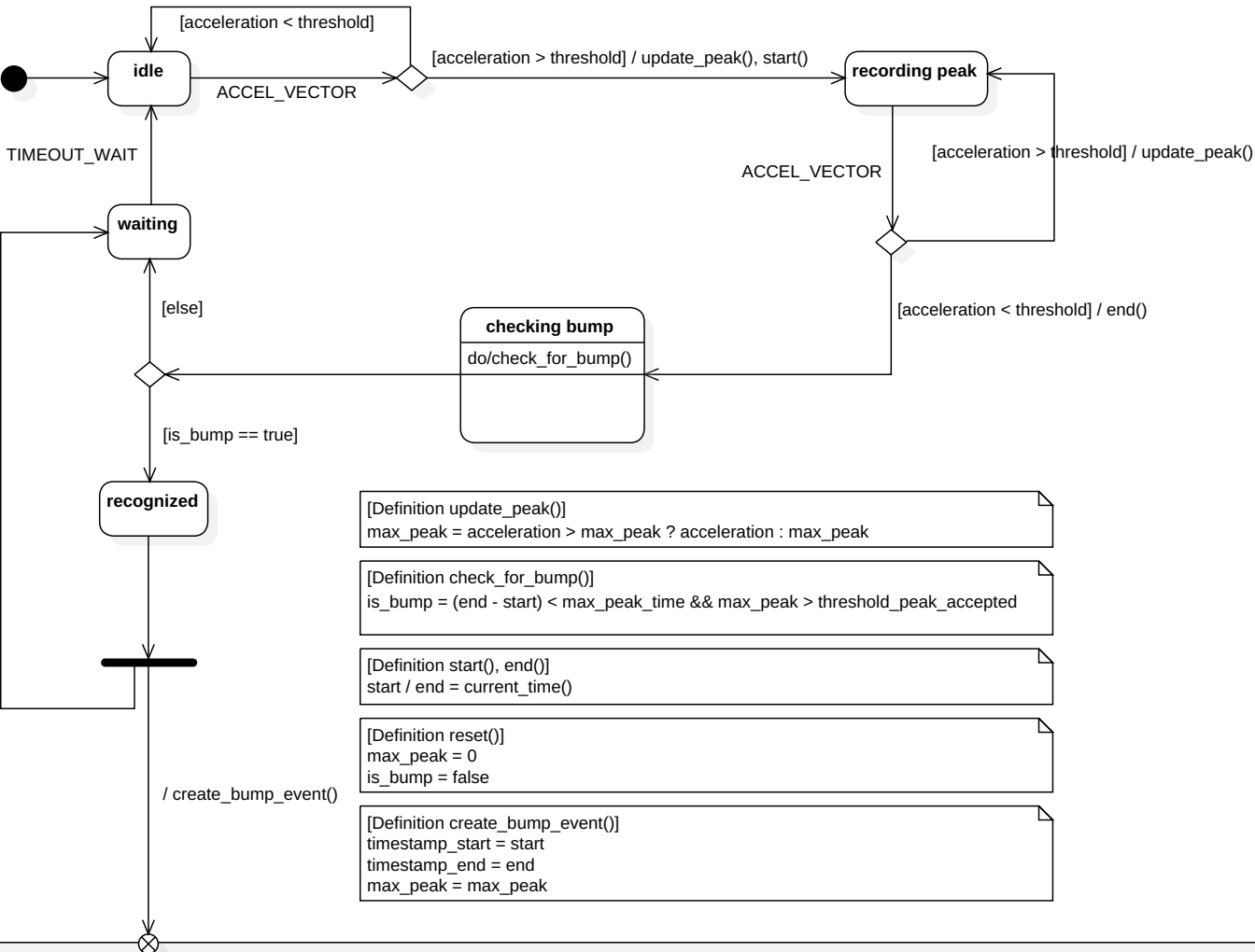


[params]
threshold
max_peak_time
threshold_peak_accepted
timeout_wait

[required]
Accelerometer

Recognize Bump

entry/reset()



[Definition update_peak()]
max_peak = acceleration > max_peak ? acceleration : max_peak

[Definition check_for_bump()]
is_bump = (end - start) < max_peak_time && max_peak > threshold_peak_accepted

[Definition start(), end()]
start / end = current_time()

[Definition reset()]
max_peak = 0
is_bump = false

[Definition create_bump_event()]
timestamp_start = start
timestamp_end = end
max_peak = max_peak

Output:
BumpEvent