

SYSTEM LEVEL

Battery group

voltage > threshold

Normalon enter:
enable GPS**Low**on enter:
disable GPS

voltage < threshold

Base Station group

BS beacon received

&& Nest

Reachableon enter:
dump log
on active:
send readings to the BS**Unreachable**on enter:
activate NotMoving
on active:
log locally

timeout

APPLICATION LEVEL

Health conditions group

normal conditions

Healthyon active:
create normal beacon**Diseased**on active:
create alert beacon

abnormal conditions

Activity group

Unreachable

Runningon active:
track often**Nest**on enter:
activate Reachable
on active:
do not track**Not Moving**on active:
track once

location of the nest

large

GPS difference

small

GPS difference

Restingon active:
track rarely

negligible

GPS difference

acceleration

detected