ActiveState={0,1,2} 0=rest,1=nav,2=manual control

Hierarchies

RestHier=0, NavHier=1, ManualHier=2

NavState={active,dormant,awaitingrestart}

ManualState={active,dormant,awaitingrestart}

NavTimer=0 time in ms since last message

2000=timeout

NavState=awaitingrestart, ManualState=awaitingrestart

If ActiveState<NavHier & NavState=awaitingrestart & NavTimer > 2000 then

NavState=dormant

If ActiveState>=NavHier & NavTimer > 2000 then

NavState=awaitingrestart

ActiveState=RestHier

If NavTimer < 2000 & NavState=dormant then ActiveState=NavHier

If ManualTimer < 2000 then ActiveState=ManualHier

Send twist data from ActiveState (including 0)

In callback:

If NavCmdVel then

NavTimer=0