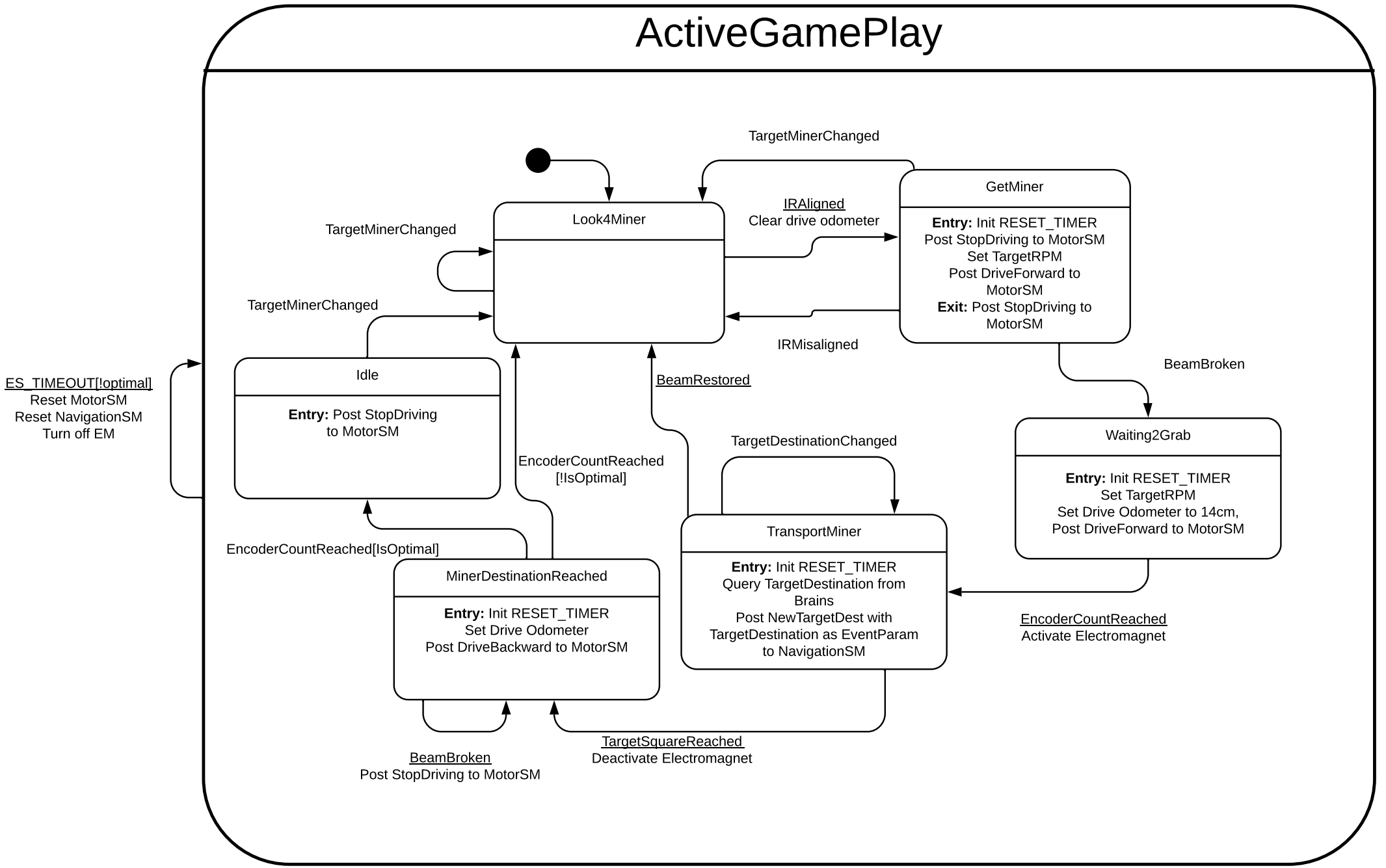
ActiveGamePlay
TargetMinerChanged
Look4Miner
TargetMinerChanged
IRAligned
Clear drive odometer
GetMiner
Entry: Init RESET_TIMER
Post StopDriving to MotorSM
Set TargetRPM
Post DriveForward to MotorSM
Exit: Post StopDriving to MotorSM
TargetMinerChanged
IRMisaligned
BeamBroken
ES_TIMEOUT[!optimal]
Reset MotorSM
Reset NavigationSM
Turn off EM
Idle
Entry: Post StopDriving to MotorSM
BeamRestored
Waiting2Grab
Entry: Init RESET_TIMER
Set TargetRPM
Set Drive Odometer to 14cm,
Post DriveForward to MotorSM
TargetDestinationChanged
EncoderCountReached
[!IsOptimal]
TransportMiner
Entry: Init RESET_TIMER
Query TargetDestination from Brains
Post NewTargetDest with TargetDestination as EventParam to NavigationSM
EncoderCountReached[IsOptimal]
MinerDestinationReached
Entry: Init RESET_TIMER
Set Drive Odometer
Post DriveBackward to MotorSM
EncoderCountReached
Activate Electromagnet
BeamBroken
Post StopDriving to MotorSM
TargetSquareReached
Deactivate Electromagnet