Project Resurgence - NPC/Enemy AI System - Rev 5/29/2018

Attached to Nav Zone Attached to Player Al_Player_Helper Al_NPC_Assistor_Nav_Point Al_NPC_Assistor_Nav_Mover Controls the switching into and out The actual nav points that are Moves the position of navpoints to of zones - and flags if the player is used. They have storage for a Al Wake Up Zone be closer or further from the player "moving" or not. "Moving" is claim owner that is used via the defined as moved more than 0.25 based on a raycasting system. nav point pool. Activates inactive AI that is of a unity unit since the last check. stored in the list when the player hits the trigger. Al_General_Navpoint_Pool Handles nav point groups for NPCs both on the player and in Al Debug Draw Zone zones. Draws boxes around zones Open nav points can be claimed for use in the Editor. by NPCs. This means other NPCs wll not try to follow the navpoint. Also contains a method to release Use "Debug" when setting up zones to make the zones all of the navpoint claims. visible. Al_Enemy_Assistor_Controller Handles the enemy assistor Al Enemy Assistor group that is attached to the plaver. Routes enemies to another Attached to NPC assistor based on the assistor that Rotates the assistor if activated to they hit. Allows for circling and vary the enemy pathing. moving around the target. Rotations turn on and off controlled via time. Supplement this document with the Resurgence_AI_Doc.pdf. AI_NPC_Navigator AI_NPC_Shotpoint Al_NPC_Targeter Controls the movement and Shoots rounds at the enemies behavior of the NPCs. - via the NPC. Adds and removes enemy targets that Initiates shooting while not

enter and exit the

target zone.

Attached to Enemy

NOTE: Instantiation is used

but it needs to be replaced by

a pool.

Al Enemy Charger

Manages the movement and attacking of the AI_Enemy_Charger. Selects targets and selects their assistors. Initiates attacks.

Al_Enemy_Charger_Targeter

This targets NPCs and AI when they collide with the targeting trigger sphere.

Al_Enemy_Debug_Signal_Attack

moving, moves while the player

moves, eases out of movement

when the player stops.

Signals a string to the console when trigger is entered that matches the Player or NPC tags.

THIS MUST BE REPLACED WITH ACTUAL ATTACKS!