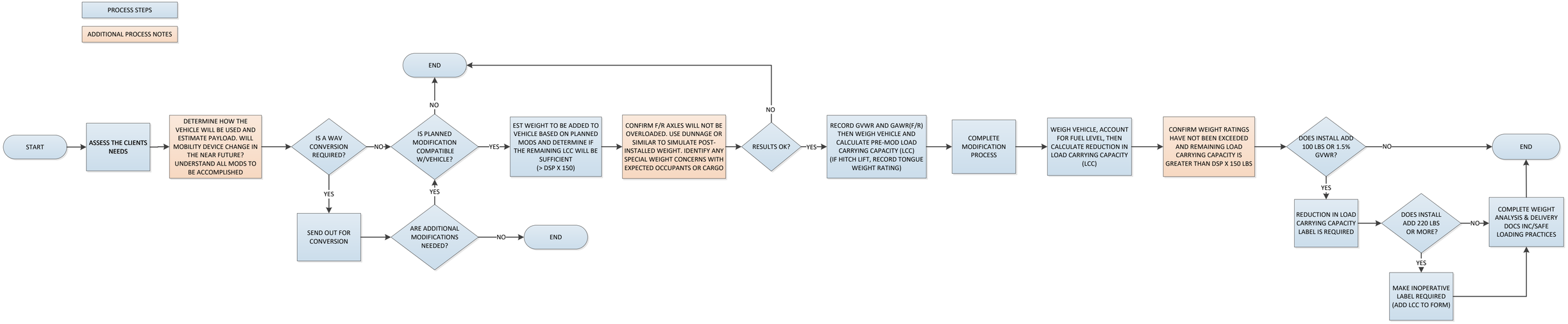WEIGHT ANALYSIS PROCESS FLOW