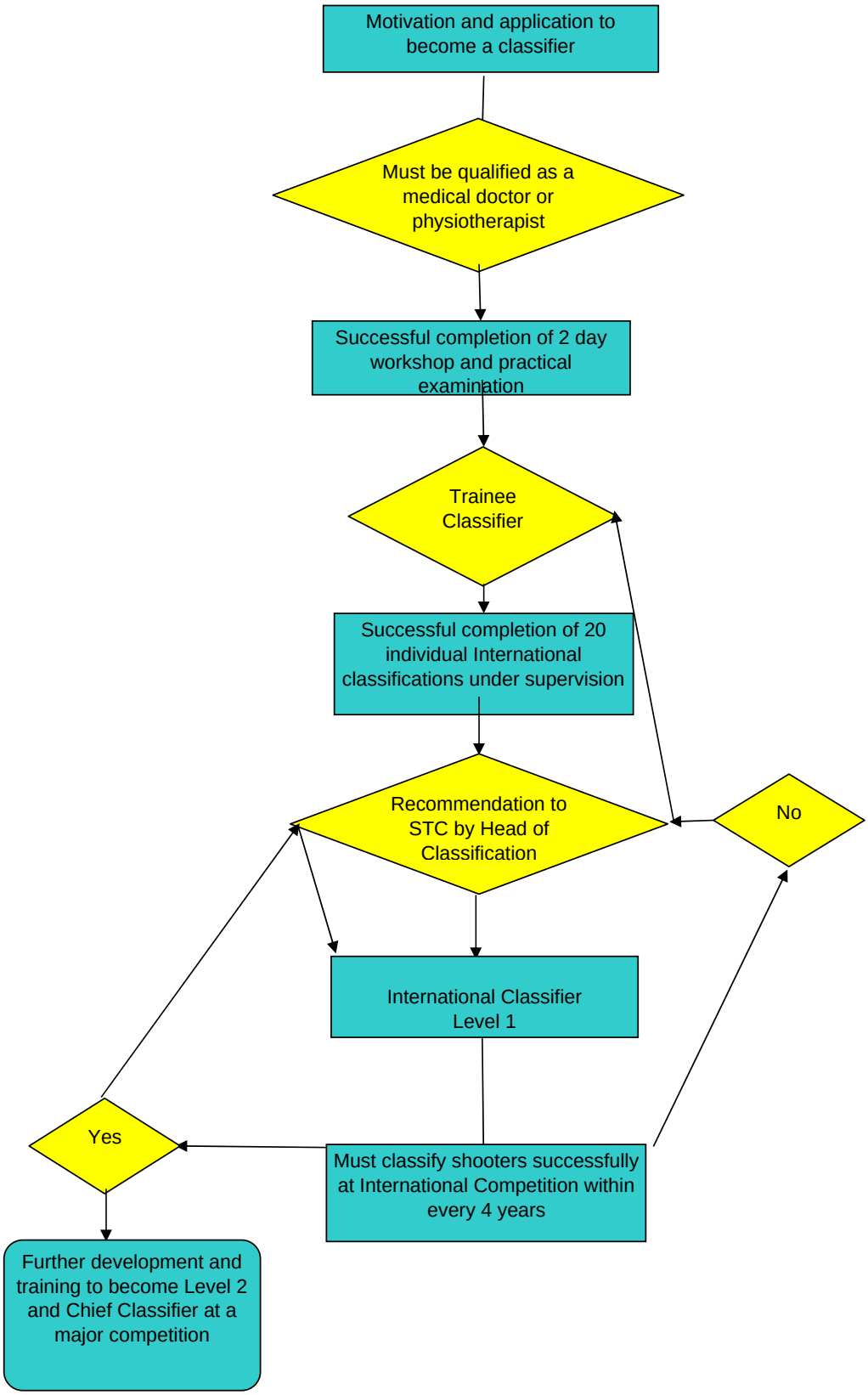Classifier Pathway