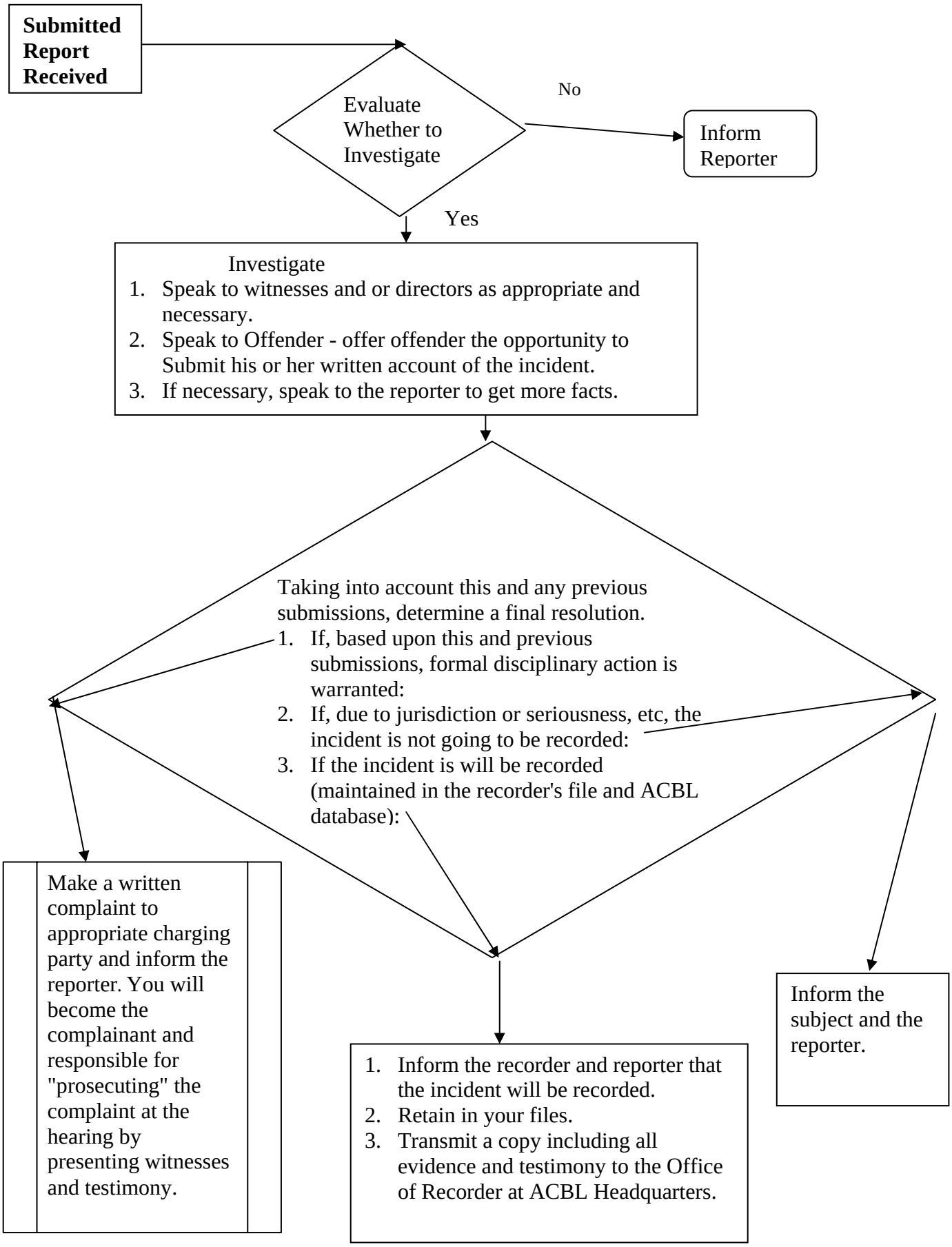FLOW CHART FOR RECORDERS