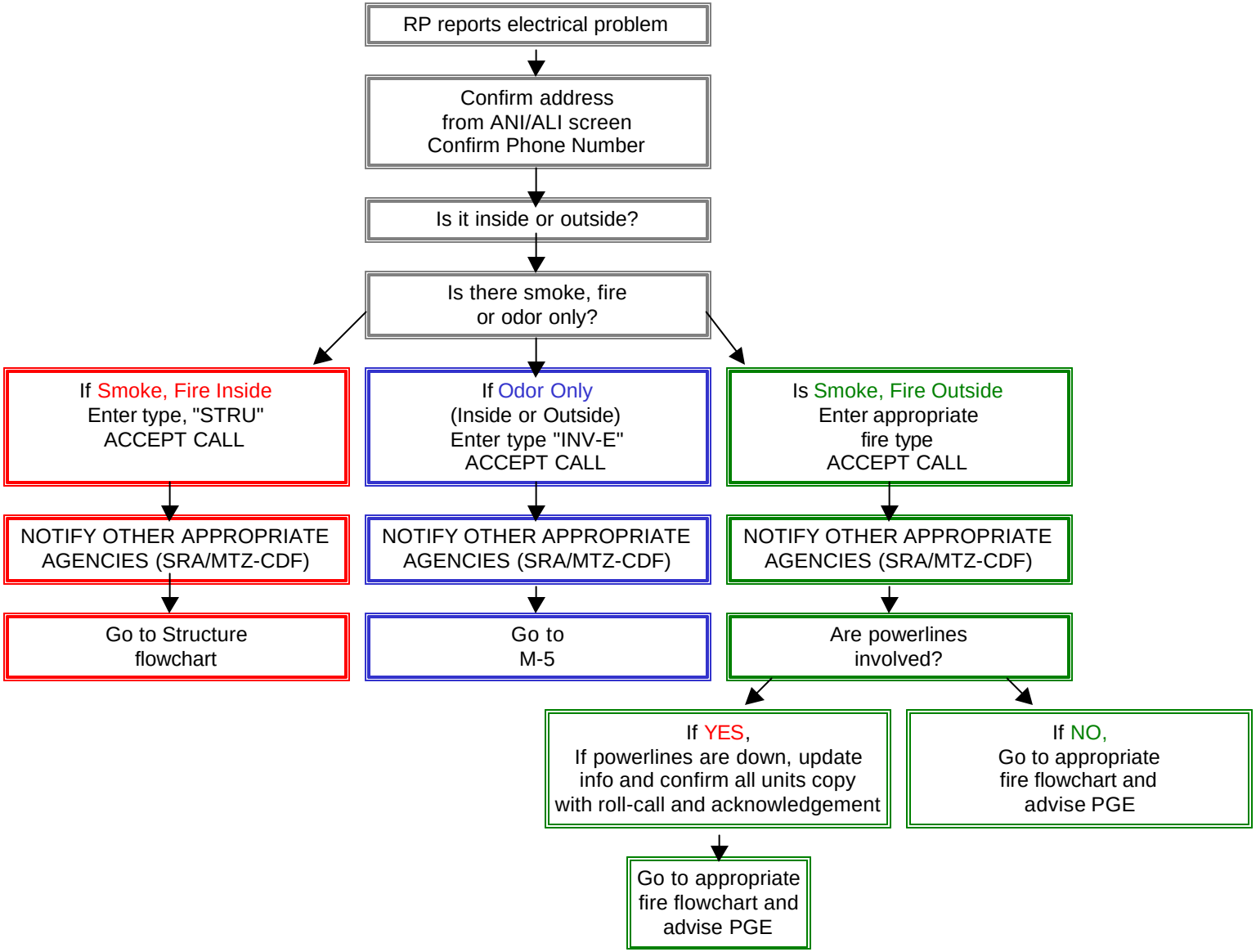ELECTRICAL FLOWCHART