



In this state diagram, we can see how the alert generator system deals with alerts that get triggered when the thresholds that have been set are met. Once an alert is generated, the Alert Manager takes care of "shipping" it to the correct department of the hospital based on the type of problem that has triggered the alert. Each department has a list of alerts that have not been processed yet and that are ordered in a priority queue. Once the staff has time to deal with a new alert, they take from the list the alert with the highest priority and try to solve it. Once the alert has been solved, it gets eliminated from the list of the department and ceases to exist