



Transitions:

Power On: From "Off/On" to "Self-Test".

Pass Self-Test: From "Self-Test" to "Standby".

Detect Rhythm: From "Standby" to "Analyzing Rhythm".

Arrhythmia Detected: From "Analyzing Rhythm" to "Advising Shock".

Shock Initiated: From "Advising Shock" to "Delivering Shock".

Shock Delivered: From "Delivering Shock" to "Post-Shock Analysis".

CPR Required: From "Post-Shock Analysis" to "CPR Feedback".

Re-analyze Rhythm: From "CPR Feedback" to "Analyzing Rhythm" for further assessment.

No Arrhythmia Detected: If no arrhythmia is detected, the system returns to "Standby".

Activities within States:

In "Analyzing Rhythm", the AED is actively processing the heart rhythm data.

In "Advising Shock", the AED is giving audible and visual cues to the user to deliver a shock.

In "Delivering Shock", the system is locked out from other inputs until the shock is delivered.

In "CPR Feedback", the system provides real-time feedback on CPR performance.

Events Causing Transitions:

User actions such as turning on the AED or initiating a shock.

System assessments such as the result of a self-test or arrhythmia analysis.

Feedback loops for continuous assessment and action, such as during CPR feedback.