FRx specs

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| **Specifications** |
| Defibrillator must deliver therapy using a biphasic truncated exponential waveform and automatically adjust parameters as a function of chest impedance during delivery of the waveform. |
| Defibrillator must be available for use on any patient of any age,including small children and infants. |
| Defibrillator must deliver 150 Joules nominal energy to a 50-ohm load. |
| Defibrillator must be able to deliver a shock within 8 secondsafter the end of the CPR pause |
| The defibrillator must fully disarm the capacitor internally under any of the following conditions:* A no shock decision is reached.
* The defibrillator is turned off.
* 30 seconds after arming if the shock button is not pressed.
* The defibrillation pads are removed from the patient.
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| The defibrillator must provide natural sounding, high fidelity voice prompts. |
| The defibrillator must provide voice prompts that are responsiveto/interactive with the user’s actions with the adhesive pads |
| The defibrillator must possess the ability to do CPR voice coaching |
| The defibrillator must remind the user to call Emergency Medical Services |
| The defibrillator patient analysis algorithm must detect electrical noise (artifact) that could interfere with the device’s ability toperform analysis |
| The defibrillator must reject pacemaker artifact |
| The defibrillator must analyze the heart rhythm without requiring the user to initiate analysis. |

Defibrillator Size, Weight and Durability Specifications:

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| **Specifications** |
| Defibrillator unit must weigh no more than 3.5 pounds with the battery installed and pads attached. |
| The defibrillator must withstand a drop of 1.22 meter (4 feet) to any edge, corner, or surface and remain operational. |
| The defibrillator must be no larger than the following dimensions: (7.1” H x 8.9” W x 2.4” D) |
| The defibrillator must meet standards for use in aircraft and within altitude of -1312 to 15,000 ft. |
| The defibrillator must be able to withstand a 500 kg (1100 lbs) crush test |
| Must have IP55 rating |

Defibrillator Maintenance and Testing Specifications:

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| **Specifications** |
| The defibrillator must conduct an automated self-test at the following intervals/events:* Daily
* Weekly
* Monthly
* Following the Insertion of battery (BIT test)
* When the defibrillator has been stored outside prescribed temperature range
* After attaching pads
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| * The defibrillator must provide an active visual and audible indicator that it has passed all internal self-tests and is ready for deployment.
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| The defibrillator must provide a visual and audible indicator when:* An error is detected during self-testing
* The defibrillator has been stored outside of the prescribed temperature range
* The battery is low, depleted, or missing
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| The defibrillator must test for the usability of the pads using gelmoisture as a measure of impedance on a daily basis. |

Defibrillator Energy Source Specifications:

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| **Specifications** |
| **Standard Battery** |
| The defibrillator must utilize a lithium battery technology that is disposable and recyclable. |
| The primary battery must provide an operating capacity of at least 200 full energy shocks or at least 4 hours of “On” time or a Standby time that is typically at least 4 years (3 years minimum). |

Defibrillation Pads and Cable Specifications:

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| **Specifications** |
| Defibrillation pads must be pre-connected into the defibrillator. |
| Comprehensive placement icons must appear on each defibrillation pad. |
| The adhesive pads should be compatible to patients of any age or weight, eliminating the need for a separate defibrillation pads for infant/child applications. |
| An infant/child key should be available to automatically reduce the defibrillation energy to 50 joules for pediatric application. |

Data Collection and Review Specifications:

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| **Specifications** |
| The defibrillator must provide the means to collect and store up to15 minutes of ECG data and unlimited Event data. |
| Software that is PC compatible to download and review event data must be available (optional). |