

**APPENDIX C. ADVANCED EN ROUTE CARE SYSTEM WORK BREAKDOWN STRUCTURE**

WBS Elements			
1- SYSTEM	2- PRIME MISSION PRODUCT	3- SUBSYSTEM	4- COMPONENT
0000 En Route Care System (ERCS)			
	1000 Prime Mission Product (PMP)- ERCS		
		1100 Power Source Subsystem	
			1110 Primary Power Source Component
			1120 Battery Back-up Power Source Component
		1200 Respiration Subsystem	
			1210 Ventilation Component
			1220 Oxygen Component
		1300 Fluid Management Subsystem	
			1310 Resuscitation Component
			1320 Steady-state Maintenance Component
			1330 Burn Patient Component
		1400 Physiologic Monitoring Subsystem	
			1410 Hemodynamic Status Component
			1420 Neurological Status Component
			1430 Oxygenation Status Component
			1440 Ventilatory Status Component
			1450 Diagnostics Component
			1460 Renal Component
			1470 Thermoregulation Component
		1500 Neurologic and Central Nervous System Subsystem	
			1510 Pain and Analgesia Management Component
			1520 Sedation Component
			1530 Neurological Monitor Component
			1540 Neuromuscular Blockade Component
		1600 Therapeutic Care Subsystem	
			1610 Automated External Defibrillation Component
			1620 Suction Component
			1630 Supplemental Oxygen (Non-ventilated patients) Component
			1640 Thermal Protection Component
			1650 Traumatic Brain Injury Component

WBS Elements			
1- SYSTEM	2- PRIME MISSION PRODUCT	3- SUBSYSTEM	4- COMPONENT
		1700 Computer Hardware Subsystem	
			1710 Signal Processor Component
			1720 Data Logging Component
			1730 Communications Component
			1740 Framework Component
			1750 Medical Record Component
			1760 User Interface Component
		1800 PMP Applications Software Subsystem	
			1810 Respiration Algorithm
			1820 Fluid Resusciation Algorithm
			1830 Pain Control Algorithm
			1840 Defibrillation Algorithm
		1900 PMP System Software	
		1A00 Subsystem Integration, Assembly, Test, and Checkout	
	2000 Platform Integration		
	3000 Systems Engineering/Program Management		
	4000 System Test and Evaluation (T&E)		
		4100 Benchtop Tests	
		4200 Animal Trials	
		4300 Clinical Trials	
			4310 Phase 1 Clinical Trials
			4320 Phase 2 Clinical Trials
			4330 Phase 3 Clinical Trials
			4340 Phase 4 Clinical Trials (if required)
		4400 Mock-ups	
		4500 T & E Support	
		4600 Test Facilities	
	5000 Food and Drug Administration (FDA) Approval		

WBS Elements			
1- SYSTEM	2- PRIME MISSION PRODUCT	3- SUBSYSTEM	4- COMPONENT
	6000 Training		
		6100 Training Equipment	
		6200 Training Services	
		6300 Training Facilities	
	7000 Data		
		7100 Technical Publications	
		7200 Engineering Data	
		7300 Management Data	
		7400 Support Data	
		7500 Data Depository	
	8000 Peculiar Support Equipment		
		8100 Test and Measurement Equipment	
		8200 Support and Handling Equipment	
	9000 Common Support Equipment		
		9100 Test and Measurement Equipment	
		9200 Support and Handling Equipment	
	A000 Operational/Site Activation		
		A100 System Assembly, Installation, and Checkout on Site	
		A200 Contractor Technical Support	
		A300 Site Construction/Conversion	
	B000 Industrial Facilities		
		B100 Construction/Conversion/Expansion of cGMP Facility	
		B200 Equipment Acquisition or Modernization	
		B300 Maintenance of Industrial Facilities	
		B400 FDA Manufacturing Pre-approval Inspection	
	C000 Initial Spares and Repair Parts		