

NHA Certified EKG Technician (CET) Detailed Test Plan* <i>100 scored items, 20 pretest items</i> <i>Exam Time: 2 hours</i>	# scored items
1. EKG Monitoring	60
A. Calculate a patient's heart rate from the EKG tracing (e.g., 6-second method, R to R, sequencing).	
B. Identify artifacts from the tracing (e.g., wandering baseline, somatic, electrical).	
C. Resolve artifacts from the tracing (e.g., wandering baseline, somatic, electrical).	
D. Record an EKG lead on a patient.	
1. 3-lead	
2. 5-lead	
3. 12-lead	
E. Verify the leads recorded on an EKG.	
F. Upload a completed EKG to a patient's electronic medical record.	
G. Mount a completed EKG for a patient's chart.	
H. Measure a patient's heart rhythm from the EKG tracing.	
I. Inspect the waveforms of a cardiac cycle for symmetry, direction, and amplitude (e.g., P waves, QRS complexes, ST segments, T waves).	
J. Measure a patient's heart conduction from the EKG tracing (e.g., PR-interval (PRI), QRS duration, QT-interval).	
K. Identify the major classifications of arrhythmias from the EKG tracing (e.g., sinus, atrial, ventricular, junctional).	
L. Identify the major variances to waveforms related to ischemia, injury, or infarction.	
M. Respond to potentially life threatening arrhythmias.	

\*based on the results of the Job Analysis Study completed in 2011

N.	Verify EKG machine paper speed (e.g., 25mm, 50mm).	
O.	Verify EKG machine sensitivity (e.g., h, 1, 2).	
P.	Maintain EKG equipment and the work environment.	
Q.	Recognized pacemaker spikes on an EKG trace.	
2. Patient Care		40
A.	Prepare the patient	
1.	EKG monitoring (e.g., patient history, cardiac medications, patient positioning).	
2.	Holter monitoring	
3.	Stress testing	
4.	Telemetry monitoring	
B.	Apply electrodes on patients	
1.	EKG	
2.	Holter monitoring	
3.	Stress testing	
4.	Telemetry	
5.	Pediatric patients	
6.	Patients with special considerations (e.g., right sided heart, posterior chest, amputations)	
C.	Respond to signs and symptoms of cardiopulmonary compromise.	
D.	Adhere to HIPAA regulations regarding Protected Health Information (PHI).	
E.	Monitor patient condition during stress testing.	
F.	Respond to complications during stress testing.	
G.	Verify patient understanding of Holter monitor procedures.	
H.	Obtain patient vital signs (e.g., heart rate, respirations, temperature, blood pressure, pulse oximetry).	