DIVISION SCOPE OF SERVICE

Division: CONTINENTAL

DHP Classification: ELECTRONEURODIAGNOSTIC TECHNOLOGIST (END)

Name of Dependent Healthcare Professional (DHP):

Electroneurodiagnostic Technologist (END):
The Electroneurodiagnostic Technologist (END) must have equivalent qualifications, competence and function in the same role as employed individuals performing the same or similar services at the facility, as defined by facility job description.

**Definition of Care or Service:**
The Electroneurodiagnostic Technologist (END) operates specialized equipment that measures and records electrical activity in the brain, peripheral nervous system, and spinal cord. Scope of Service may include:

- Monitoring electroneurodiagnostic (END) data during diagnostic and / or surgical procedures
- Operates electroneurodiagnostic equipment
  - Applies monitoring electrodes to patient accurately
- Performs preliminary analysis of electroneurodiagnostic data
- Electroencephalogram (EEG)
- Polysomnogram (PSG)
- Evoked Potential Studies (EPS)
- Nerve Conduction Studies (NLS)
- Intra-Operative Neuro Monitoring (IONM)*
- Brainstem Auditory Evoked Potential (ABRs)
- Long-term monitoring (EM) for epilepsy
- Intensive Care Unit Continuous EEG Monitoring (ICU/cEEG)
- *Certification in Neurophysiologic Intra Operative Monitoring (CNIM) is required for the END who performs Intra-operative neuro monitoring.
- Records END data in the patient’s medical record
  - Intraoperative monitoring review summary within 24 hours of procedure
  - Graphic representation of the following within 72 hours:
    - Baseline, closing, trends/waterfall, and any change in neurological findings
  - Name of the person archiving complete tracing and location within 72 hours
- Demonstrates Clinical and Service excellence behaviors to include HCA code of conduct core fundamentals in daily interaction with patient, families, co-workers and physicians

**Setting(s):**
- Healthcare facilities including but not limited to hospitals, outpatient treatment facilities, imaging centers, and physician practices
- Monitoring may occur in all patient care areas, including Surgery, Emergency Department, Critical Care, and general acute settings

**Supervision:**
- Direct supervision by ordering physician, performing only those functions specifically requested
  - Indirect supervision by the department director, site manager or designee
- **NOTE:** Newly graduated END technologists may work during the initial two years of entering the workforce, prior to passing registration or certification exam, under the direct supervision of an END, with a currently registered or certified END professional or credentialed and sponsoring neurologist or neuro/spine surgeon.

**Evaluators:** Department director or designee in conjunction with ordering physician or licensed independent practitioner

**Qualifications:**
- Completion of an accredited END program by the Commission on Accreditation of Allied Health
DIVISION SCOPE OF SERVICE

Education Programs (CAAHEP)

- 1-2 year certificate or Associate Degree or higher
- Registry or certification through:
  - American Board of registration of Electroencephalographic and Evoked Potential Technologists (ABRET) as a R.EEG.T, R.EP.T, CLTM OR CNIM or
  - American Association of Electrodiagnostic Technologists (AAET) as a R.NCST
- **NOTE:** After two years of entering the workforce, END technologists should take and pass a national exam for professional credentials (registry or certification) in an area of END specialty

*Certification in Neurophysiologic Intra-Operative Monitoring (CNIM) is required for the END who performs Intra-operative neuro monitoring

### State Requirements:

**Experience:**

- The END provides documentation that they have performed at least 25 END studies associated with their specific scope of service that were validated for quality and accuracy of results within the last 12 months.
  - Graduates of an END program with completion of equivalent in practice experience. In this instance, the END technologist will demonstrate completion of 25 ENDS within the last 2 years determined to be technically sound by a sponsoring physician
  - New graduates must be supervised by a senior END technologist for the first 25 cases.

**Competencies:**

- Provides a safe environment for patients
  - Uses at least two ways to identify patients before treating or performing a procedure
  - Participates in the preprocedure process to verify the correct procedure, for the correct patient, at the correct site and involves the patient in the verification process when possible
  - Participates in a time-out immediately before the start of an invasive procedure or making of the incision
- Safe and effective operation of electroneurodiagnostic equipment
  - Consistently obtains quality diagnostic outputs
  - Maintains equipment to ensure accurate testing and diagnosis
  - Operates digital computerized electroencephalography (EEG) instruments
  - Demonstrates effective infection control practices related to equipment operation
- Accurate patient information review
  - Verifies that the requested procedure correlates with the patient’s clinical history, presentation and physician order
  - Accesses the patient medical record appropriately
  - Makes notes on the recorded graph to identify interferences
  - Documents in the medical record according to the facility standard / policy
- Appropriate Diagnostic Examination Results
  - Performs the electroneurodiagnostic study to comply with applicable protocols and guidelines
  - Provides a written or oral summary of preliminary findings to the physician
  - Notifies the appropriate health provider when immediate treatment is necessary, based on procedural findings and patient conditions
- Infection Prevention
  - Practices consistent hand hygiene
  - Uses personal protective equipment (PPE)
  - Required immunizations per DHP Division requirements
  - Complies with Isolation precautions
  - Complies with required surgical attire
  - Maintains sterile field

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References:
HCPro Clinical Privilege White Paper, Practice Area 413; Briefings on Credentialing 781/639-1872 11/06
http://www.credentialingresourcecenter.com/content/32053.pdf
ASET - The Neurodiagnostic Society
American Clinical Neurophysiological Society (ACNS)
American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET)

DHP Printed Name: ________________________  DHP Signature: ________________________

Company/ Vendor: ___________________________  Date: ________________________________