



## **Neurodiagnostic Practice Levels**

The Neurodiagnostic Practice Levels are divided into three categories:

1. Neurodiagnostic Assistant
2. Neurodiagnostic Technologist
3. Neurodiagnostic Specialist

These practice levels are designed to be used as a guideline in conjunction with the facility policies and procedures under the direction of administrative and clinical leadership as defined by facility policy and procedures.

These practice levels are further defined in detail in the  
*Handbook of Neurodiagnostic Job Descriptions and Competencies, 2<sup>nd</sup> Edition*  
available from the ASET online store:

(<http://www.aset.org/i4a/ams/amsstore/search.cfm>)

Enter "Job Descriptions" in the product search box.

The job descriptions handbook is available in hard copy and/or CD format. It provides detailed guidelines for required minimum education, levels of technical supervision and reporting, principle duties and responsibilities, physical skills, exposure and ability. Also included in this comprehensive handbook are the:

- Scope of Practice for Neurodiagnostic Technology
- National Competency Skill Standards for performing EEG, EP, NCS, PSG, IONM, LTME and ICU/cEEG
- Competency Checklists for Annual Competency Assessment and Core Competency evaluations for 30-, 60-, and 90 days

Individual modality-specific job descriptions and competencies are also available for download from the ASET online store.

### **Neurodiagnostic Assistant**

The Neurodiagnostic Assistant is a support position in the Neurodiagnostic department, with duties designed to be flexible to meet the specific needs of the Neurodiagnostic department. The Neurodiagnostic Assistant assists the technologist(s) by facilitating the workflow of the department. This position may include a growth ladder from basic to advanced assistant skills. However, the Neurodiagnostic Assistant does not perform Neurodiagnostic procedures. This position does not assume nor require the Neurodiagnostic Assistant to become a Neurodiagnostic Technologist.

Minimum Requirements: BLS certification; high school graduate or equivalent; 6 months of experience working in a patient care environment; entry level PC or Microsoft Windows knowledge

### **Neurodiagnostic Technologist (2 levels)**

Applicable to the following Neurodiagnostic modalities:

- Electroencephalography/EEG
- Evoked Potential/EP
- Nerve Conduction Studies/NCS
- \* Polysomnography Sleep/PSG

### **Neurodiagnostic Technologist I**

The Neurodiagnostic Technologist I is an entry to mid-level position in the neurodiagnostic unit or department. The Neurodiagnostic Technologist I performs procedures according to facility policy and procedures. The Neurodiagnostic Technologist I can perform test set up, electrode application, and maintain patient safety during clinically significant events and other related duties. Communication skills are essential for this position.

- Minimum Requirements: BLS certification; high school graduate or equivalent; 6 months experience working in a patient care environment; entry level PC or Microsoft Windows knowledge.
- Education: Enrollment in or graduation from a Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredited Neurodiagnostic Program, or an Associate's Degree or higher from an accredited college or university is desired.
- \* The PSG/Sleep Neurodiagnostic Technologist I may or may not have achieved the CPSGT credential

### **Neurodiagnostic Technologist II**

The Neurodiagnostic Technologist II has passed examination and obtained the credential appropriate to the modality of practice.

- EEG/Electroencephalography: R. EEG T.
- EP/Evoked Potentials: R. EP T.
- NCS/Nerve Conduction Studies: R.NCS.T.
- PSG/Sleep: CPSGT and RPSGT

The Neurodiagnostic Technologist II provides findings, results, and a descriptive analysis according to the facility policy and procedures. Strong well-developed communication skills are essential for this position.

- Minimum Requirements: BLS certification; credential in their modality of practice as above; three years of experience in the performance of procedures in a patient care environment; well-developed PC and Microsoft Windows knowledge
- Education: Graduation from a Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredited Neurodiagnostic Program, or an Associate's Degree or higher from an accredited college or university is desired.

### **Neurodiagnostic Specialist (2 levels)**

Applicable to the following Neurodiagnostic modalities:

- Intraoperative Neuromonitoring (IONM)
- Long-term Monitoring in Epilepsy (LTME)
- Intensive Care Unit/ continuous EEG (ICU/cEEG)

### **Neurodiagnostic Specialist I**

The Neurodiagnostic Specialist I is a mid-level specialist position. The Neurodiagnostic Specialist I performs procedures appropriate to their competence, according to the facility policy and procedures, including test setup, electrode application, maintaining patient safety and other related duties. Strong, well-developed communication skills are essential for this position.

The Neurodiagnostic Specialist I has passed examination and obtained the credential appropriate to their modality of practice:

- IONM: R. EEG T. or R.EP T. or a Bachelor's Degree from an accredited college or university
- LTME: R.EEG T.
- ICU/cEEG: R.EEG T.

This credentialed specialist provides findings, results and a descriptive analysis according to the facility policy and procedure manual.

- **Minimum Requirements:** BLS certification; certification credentials as above; three years of experience in the neurodiagnostic field which includes one year experience in their specialty modality of practice. This credentialed specialist provides findings, results and a descriptive analysis according to the facility policy and procedure manual.
- **Education:** Graduation from a Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredited Neurodiagnostic Program, or an Associate's Degree or higher from an accredited college or university is desired.

### **Neurodiagnostic Specialist II**

The Neurodiagnostic Specialist II is an advanced level specialist position. The Neurodiagnostic Specialist II performs procedures appropriate to their competence and according to the facility policy and procedures, including test setup, electrode application, maintaining patient safety and other related duties. Strong, well-developed communication skills are essential for this position.

The Neurodiagnostic Specialist II has passed examination and obtained advanced certification credentials as appropriate to their modality of practice:

IONM: CNIM  
LTME: CLTM  
ICU/cEEG: CLTM

This credentialed specialist provides findings, results and a descriptive analysis according to the facility policy and procedure manual.

- **Minimum Requirements:** BLS certification; advanced certification as above in Intraoperative Neurophysiologic Monitoring (IONM) or Long Term Monitoring (CLTM); three years of experience in the Neurodiagnostic field which includes two years

of experience in their specialty modality of practice. This credentialed specialist provides findings, results and a descriptive analysis according to the facility policy and procedure manual.

- Education: graduation from a Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredited Neurodiagnostic Program, or an Associate's Degree or higher from an accredited college or university is desired.

### **Neurodiagnostic Credentials and Credentialing Organizations:**

ABRET Neurodiagnostic Credentialing and Accreditation

- EEG/Electroencephalography: R. EEG T.
- EP/Evoked Potentials: R. EP T.
- IONM/Intraoperative Neuromonitoring Specialist: CNIM
- LTME/Long-term Monitoring Specialist: CLTM
- ICU cEEG/Intensive Care Unit Continuous EEG Specialist: CLTM

American Association of Electrodiagnostic Technologists (AAET)

- NCS/Nerve Conduction Studies: R.NCS.T.

Board of Registered Polysomnographic Technologists (BRPT)

- PSG/Sleep: CPSGT and RPSGT