

**Alberta's Health Regions and Voluntary Organizations and the Health Sciences Association of Alberta (HSAA)**

This classification specification identifies representative duties and responsibilities, and is intended to assist in the determination of the appropriate classification level within each discipline. Some duties and responsibilities may overlap between class levels. The classification specification is not intended to provide an exhaustive list of all duties performed.

Classification Title: **Electroneurophysiology Technologist I**

Date Updated: **May 20, 2008**

**Job Summary:**

The Electroneurophysiology (ENP) Technologist I performs **one** of the following diagnostic tests: Electromyography (EMG), Electroencephalography (EEG) and Evoked Potential (EP)

The ENP Technologist I is required to operate, maintain and troubleshoot ENP equipment and keep accurate patient records.

***Key Responsibilities and Typical Duties:***

**Core Duties**

- Explains testing procedures to patient and family, obtains relevant medical history and appropriate consent.
- Performs appropriate tests on all age groups, utilizing a variety of electrode application methods.
- Performs skin preparation and selects appropriate recording procedures and electrodes.
- Identifies anomalies in test readings/results and reduces (if possible) artifacts.
- Observes physical changes in the patient during testing and reports any severe reactions.
- Prepares test results and/or interprets findings for/with physician.
- Prepares, updates and maintains patient records.
- Ensures proper operation of equipment by performing maintenance, calibration, cleaning and detects any equipment malfunction, makes minor repairs or reports the need for major repairs to the appropriate person.

**Leadership**

- May participate in the orientation, training and supervision of new students or technologists.

### **Decision-Making**

- Prioritizes patient testing while following guidelines.
- Makes decision to halt, adapt or proceed to next stage of examination based on patient response.
- In EEG, monitors patient responses during surgery, analyzes and interprets results for attending surgeon.
- Informs physician of urgent examination results and resolves unusual or complex cases or refers concerns to the appropriate individual(s).

### **Knowledge:**

#### **Education**

- Diploma from an accredited program in ENP or equivalent training and experience in one of the following: EEG, EMG or EP, as authorized by the applicable registration board.

#### **Registration Requirements**

- Registered with the Alberta College of Medical Diagnostic & Therapeutic Technologists (ACMDTT).

And registered with one or more of the following:

- Canadian Board of Registrations of Electroencephalograph Technologists (CBRET).
- Board of Registration of Electromyography Technologists of Canada (BRET).
- Board of Registration of American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET).

### **Working Conditions:**

#### **Physical Demands**

- Stands or walks for prolonged periods of time.
- Required to bend and perform variable movements and position changes.
- Some lifting when transferring patients.
- May be required to move/push equipment on portable carts.
- Extensive computer use.

#### **Work Environment**

- Required to work in a low light or dark testing room
- Travel in all weather/road conditions.
- Exposure to biohazardous materials, radioactive isotopes and chemical hazards.
- May be subject to verbally and/ or physically aggressive patients and family.