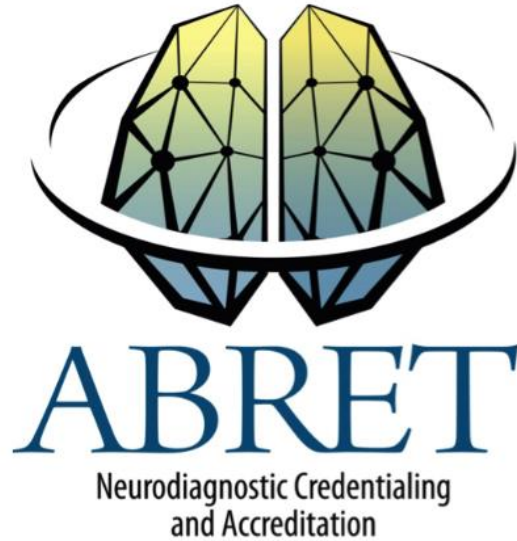


2023



# Handbook for Candidates

Registration for

**Evoked Potential  
Technologists**

**R. EP T.**

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This handbook contains necessary information about the Evoked Potential Technologists (EP) examination. Please retain it for future reference. Candidates are responsible for reading these instructions carefully. This handbook is subject to change.

**The Registration Examination for Evoked Potential (EP) Technologists** is designed and written for those health care professionals that are trained in and currently practicing EP technology.

## Introduction

ABRET is a nonprofit credentialing board. ABRET supports the concept of voluntary registration by examination for health care professionals in evoked potential technology. Registration focuses specifically on the individual and is an indication of current knowledge in evoked potential technology. ABRET does not guarantee the job performance of any individual.

## Objectives of ABRET

TO ESTABLISH STANDARDS FOR REGISTRATION OF EVOKED POTENTIAL TECHNOLOGISTS BY:

1. Providing a standard of knowledge in evoked potential technology required for registration.
2. Establishing and measuring the level of knowledge required for registration in evoked potential technology by means of an objective, computer based written examination.
3. Formally recognizing those individuals who meet the eligibility requirements of ABRET and pass the Registration Examination for Evoked Potential Technologists.
4. Encouraging continued professional growth in evoked potential technology through mandatory continuing education and recertification.

## Non Discrimination Statement

ABRET, Inc. does not discriminate on the basis of age, sex, race, religion, national origin, marital status, or handicapped condition.

## Administration

The Registration Program is sponsored by ABRET. The Registration Examination for Evoked Potential Technologists is administered for ABRET by the Professional Testing Corporation (PTC):

1350 Broadway – Suite 800, New York, New York 10018 – (212) 356-0660 – [www.ptcny.com](http://www.ptcny.com)

Questions concerning the Registration Examination for Evoked Potential Technologists should be addressed to the ABRET Executive Office:

111 E. University Dr., #105-355, Denton, TX 76209 – (217) 726-7980 – [www.abret.org](http://www.abret.org)

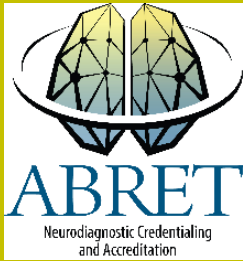
or by e-mail: [Tami@abret.org](mailto:Tami@abret.org)

## Fees

Application Fee for the Registration Examination for Evoked Potential Technologists .....	\$400
Rescheduling Fee 29-5 days prior to scheduled appointment Paid directly to Prometric (see page 5) .....	\$50

THERE ARE NO REFUNDS nor TRANSFER OF FEES

# 2023 EP Eligibility Chart

Eligibility Requirements	EP Pathway I	EP Pathway II
	CAAHEP Accredited NDT Program	Associates Degree
	Graduate of Program	Associates Degree (Higher Degrees Acceptable) or current R. EEG T.
	Documentation of 20 clinical EP studies	2 years clinical neurodiagnostic experience (1)
	Current CPR/BLS certification	Documentation of 30 clinical EP studies
		30 hours of EP/NIOM education hours (2)
		Current CPR/BLS certification

**R. EP T.** achieved upon successfully passing the EP Exam

- (1) Neurodiagnostic experience is defined as experience in clinical EEG, EP, or NIOM for a period equivalent to 32 hrs/wk (1664 hrs/yr).
- (2) 30 EP/IOM educational hours must be earned through ASET, ASNMM, or ACNS and can be earned at any point during the neurodiagnostic experience within the last 5 years. No more than 15 hours may be earned from ASET journal quizzes.

### **Completion of Documentation Form**

1. Cases must have been recorded within the last 5 years, with 10 being recorded within the last 24 months.
2. Clinical EP cases may not be surgical monitoring cases performed in the OR on an anesthetized patient.
3. Documentation forms will be randomly audited which can delay or negate eligibility.

ABRET does not stipulate who the EPs are performed on, whether patients or volunteers. Since EP studies performed on volunteers are not read by a physician, ABRET will require that a clinical neurophysiologist or physician initial a printout of the study signifying that the study was interpretable and waveforms marked correctly. These should be maintained by the candidate until the credential has been awarded.

The R. EP T. credential is awarded for five years. See the options under Recertification.

After 3 unsuccessful attempts to pass the examination within a 2 year timeframe, candidates must wait 6 months and submit an additional 15 hours of Continuing Education before again being eligible to test.

PETITION OF ELIGIBILITY – See the website for a form and instructions.

## CAAHEP Accredited NDT Programs (Pathway I)

CAAHEP Program Directors will receive the results of their students and graduates included on the individual CAAHEP Program School Report.

Alvin Community College – Alvin, TX	Johnson County Community College – Olathe, KS
American Institute of Medical Sciences & Education – Piscataway, NJ	Kirkwood Community College - Cedar Rapids, IA
Baptist College of Health Sciences EEG Program – Memphis, TN	<i>Laboure College</i> - Boston, MA
Bellevue College - Bellevue, WA	LaCite Collegiale – Ottawa, ON
British Columbia Institute of Technology - Burnaby, BC	Lenoir Community College – Kinston, NC
Carnegie Institute - Troy, MI	Lincoln Land Community College - Springfield, IL
Catawba Valley Community College - Hickory, NC	Mayo School of Clinical Neurophysiology - Rochester, MN
Central New Mexico Community College – Albuquerque, NM	Medical Education and Training Campus (METC) – Ft. Sam Houston, TX
Concorde Career College – San Bernardino, CA	Neurodiagnostic Technology Program AAH/Carroll University – Milwaukee, WI
Concorde Career Institute-Grand Prairie – Grand Prairie, TX	Orange Coast College - Costa Mesa, CA
Concorde Career Institute-Memphis – Memphis, TN	<i>Pamlico Community College</i> - Grantsboro, NC
<i>Crozer-Chester Medical Center</i> - Chester, PA	Sinclair Community College Electroneurodiagnostic Technology Program – Dayton, OH
Cuyahoga Community College END Program - Parma, OH	Southeast Technical Institute - Sioux Falls, SD
EPiC Consortium – Lansing, MI (formerly MiRIS)	University of Holy Cross – New Orleans, LA
Fox Valley Technical College Neurodiagnostic Technologist Program - Appleton, WI	University of Utah Hospital – Salt Lake City, UT
Gateway Community College - Phoenix, AZ	Vanderbilt University Medical Center – Nashville, TN
<i>Institute of Health Sciences</i> – Hunt Valley, MD	Wake Technical Community College – Raleigh, NC

Graduates of a Formerly Accredited CAAHEP which has closed may apply under EP Pathway I and are subject to audit. Contact the ABRET Executive Office with questions.

## Quick Tips Before Proceeding with the Application Process

- \*Your name must match exactly to the name shown on current government-issued photo ID, such as a driver's license or passport. Do not use nicknames or abbreviations.
- \*EP Documentation forms are available on the ABRET website – [www.abret.org](http://www.abret.org)
- \*Have all required eligibility documents ready to be uploaded into your ABRET Credential Management.
- \*PDFs are best.
- \*Retain copies of uploaded documents.
- \*Have HANDBOOK handy.

# Application Procedure

Applications for the ABRET examinations will be completed online through the ABRET website.

[www.abret.org](http://www.abret.org)

- 1) Read this Handbook for Candidates and follow all directions.
- 2) Visit ABRET.org – click on APPLY and select EP.
- 3) Click on “Apply” and select your eligibility pathway to apply under.
- 4) Login or Create a new ABRET Credential Management account.
- 5) Complete the application by inputting your information and uploading your eligibility requirements including payment of the \$400 examination fee.
  - Visa & MasterCard accepted.
  - Checks mailed directly to: ABRET Executive Office – 2908 Greenbriar, Ste A – Springfield, IL 62704

Upon verification of your eligibility requirements and application, your registration for the exam will be sent to PTC. The “Scheduling Examination” section of this handbook will contain exam scheduling information.

CAAHEP Program Directors will receive the results of their students and graduates included on the individual CAAHEP Program School Report.

A denial of eligibility for certification may be appealed in writing and sent to ABRET within 30 days. See RUL-21 of ABRET Policies & Procedures posted on abret.org

Candidates have three (3) months from the status of “**Eligible to Test**” date to sit for the examination.

After the 3-month period, candidates will need to reapply for the examination and pay new application fee.

THERE ARE NO REFUNDS nor TRANSFER OF FEES

After exam results are uploaded into ABRET Credential Management proceed as directed:

**Pass Results:** **R. EP T.** credential is awarded for five years. See the options under Recertification.

**Fail Results:** Candidates are provided 1 exam attempt per application submission within the established three-month time frame. Please contact ABRET to reassign your application at 217-726-7980 or by submitting a contact us email at [abret.org/contact-us/](mailto:abret.org/contact-us/). You will essentially repeat **ALL** steps of the online application process.

Candidates who do not pass the EP exam after 3 unsuccessful tries within a 2-year timeframe will not be allowed to retest for 6 months and will be required to submit 15 EP educational credits.

\* Please do not contact the ABRET office about your results until you receive your **OFFICIAL** test results. You will not be able to reapply until the OFFICIAL test results are in.

## Quick Tips

### Following the Application Process

\*Candidates should retain copies of uploaded documents submitted for eligibility requirements

\*Application is PENDING

- If you paid by CHECK your application will not be completed until payment is received.
- You may have been randomly selected for audit. You or your supervisor will be contacted by our auditor.

# Scheduling Examination

**Candidates cannot schedule an examination appointment until they have received a Scheduling Authorization from the Professional Testing Corporation (PTC) via email.**

Scheduling Authorizations will be emailed to candidates from [notices@ptcny.com](mailto:notices@ptcny.com) approximately 2-5 business days after the status of “Eligible to Test” is achieved. Please ensure you enter your correct email address on the application and add the ‘ptcny.com’ domain to your email safe list. If you do not receive a Scheduling Authorization within two weeks of achieving “Eligible to Test” status, contact PTC at (212) 356-0660 or online at [www.ptcny.com/contact](http://www.ptcny.com/contact) for a duplicate.

The Scheduling Authorization will indicate how to schedule your examination appointment with Prometric as well as the dates during which testing is available. Appointment times are first-come, first serve, so schedule examination appointment as soon as you receive your Scheduling Authorization in order to maximize testing at your preferred location and on your preferred date.

Your examination is now available to be administered in two ways: at a physical Prometric test center or via live remote proctoring in your home or another quiet distraction free location. For the live remote proctoring option, you must provide a computer with a camera, microphone, and an internet connection to allow real-time communication with a remote proctor.

The remote proctoring option requires candidates to download ProProctor™ software from Prometric to establish remote access to the candidate’s computer. This application includes Prometric’s test engine software, as well as a lockdown browser to ensure secure test delivery.

1. Run a system readiness check to confirm that your computer and network will allow testing through ProProctor,™ from this link: <https://rpcandidate.prometric.com/Home/SystemCheck>
2. Schedule your exam by visiting [www.prometric.com](http://www.prometric.com) and selecting the appropriate icon under Remotely Proctored Exam menu.
3. Download Prometric’s ProProctor™ application. This will enable you to take the exam online while a Prometric proctor is monitoring the examination process remotely. It is recommended that you download and install this software a day before you are scheduled to take the exam.

After you make your test appointment, Prometric will send you a confirmation email with the date, time, and location of your exam. Please check this confirmation carefully for the correct date, time, and location. Contact Prometric at (800) 741-0934 if you do not receive this email confirmation or if there is a mistake with your appointment.

**Note: International candidates may also schedule, reschedule, or cancel an appointment online at [prometric.com](http://prometric.com).**

Current government-issued photo ID (driver’s license or passport) must be presented in order to gain admission to sit for the exam. **Temporary, paper driver's licenses are not accepted.** It is recommended to have a printed copy of Scheduling Authorization as well as Prometric appointment confirmation.

It is the candidate’s responsibility to contact Prometric to schedule the examination appointment.

Arrival at the testing site at the appointed time is the responsibility of the candidate. Plan for weather, traffic, parking, and any security requirements specific to the testing location. Late arrival may prevent you from testing.

\*It is highly recommended the candidate becomes familiar with the testing site prior to appointment

## Changing Examination Appointment

To reschedule current examination appointment to a different date within your three (3) month testing period, you MUST contact Prometric either online at [www.prometric.com/abret](http://www.prometric.com/abret) or by phone at (800) 741-0934.

### **Rescheduling Fees:**

**30 days prior** to scheduled appointment there is NO (\$0) Rescheduling Fee.

**29-5 day prior** to scheduled appointment there is a **\$50.00** US Rescheduling Fee. Paid directly to Prometric.

\*NO Rescheduling Permitted Less than 5 days prior to scheduled appointment.

Candidates have three (3) months from the status of “**Eligible to Test**” date to sit for the examination.

After the 3-month period, candidates will need to reapply for the examination and pay new application fee. **THERE ARE NO REFUNDS nor TRANSFER OF FEES**

## Special Requests

### **Special Accommodations**

ABRET and PTC support the intent of and comply with the Americans with Disabilities Act (ADA). PTC will take steps reasonably necessary to make certification accessible to persons with disabilities covered under the ADA. According to the ADA, an individual with a disability is a person who has a physical or mental impairment that substantially limits a major life activity (such as seeing, hearing, learning, reading, concentrating, walking) or a major bodily function (such as neurological, endocrine, or digestive system). The information you provide and any documentation regarding your disability and special test accommodations will be held in strict confidence.

All approved testing accommodations must maintain the psychometric nature and security of the examination.

Accommodations that fundamentally alter the nature or security of the exam will not be granted.

Special testing arrangements may be made upon receipt of the Application, examination fee, and a completed and signed **Request for Special Needs Accommodations Form**, available from

[www.ptcny.com/PDF/PTC\\_SpecialAccommodationRequestForm.pdf](http://www.ptcny.com/PDF/PTC_SpecialAccommodationRequestForm.pdf) or by calling PTC at (212) 356-0660. This Form must be uploaded with the online application no later than 8 weeks prior to the start of the chosen testing period.

**Only those requests made and received on the official Request for Special Needs Accommodations Form will be reviewed. Letters from doctors and other healthcare professionals must be accompanied by the official Form and will not be accepted without the Form. All requests must be made at the time of application. Accommodations cannot be added to an existing exam appointment.**



# Application Agreement

1. **Application.** I certify that all the information contained in my application is true and complete to the best of my knowledge. I hereby authorize ABRET and its officers, directors, employees, and agents (collectively, “ABRET”) to review my application and to determine my eligibility for certification.
2. **Compliance with ABRET Rules.**
  - A. I have read and agree to abide by ABRET’s policies and procedures, including but not limited to those listed below. I will read and keep up-to-date with these rules.
    - i. Handbook for Candidates (including the Code of Ethics and Disciplinary Policy);
    - ii. Use of Credential and Trademark Policy; and
    - iii. ABRET Examination Policies.
  - B. I agree that ABRET may take action regarding my application, examination, or certification in accordance with its Disciplinary Policy, and that the penalties for violation of an ABRET rule include (but are not limited to) denial, revocation, or limitation of my certification.
  - C. As specified within the Disciplinary Policy, I agree to notify ABRET of any change in name, address, telephone number, or email address, and of any development bearing on certification such as (but not limited to) suspension, revocation, or expiration of a state license to practice, being sued by a patient, or being investigated or reprimanded by a state regulatory board.
3. **Cooperation.** I agree to cooperate promptly and fully in any review of my application, examination(s), or certification, and I agree to submit any additional information requested.
4. **Examination Confidentiality.** I am seeking admission to take the examination(s) for the purpose of pursuing certification, and for no other purpose. Because of the confidential nature of the examination(s), I agree to not make or keep copies, excerpts, or notes of examination materials, and to not use or divulge information learned from the examination(s). The examination(s) is/are the exclusive property of ABRET and I will not use examination information in any way without the express prior written consent of ABRET.
5. **Examination Administration.**
  - A. I agree to abide by ABRET’s reasonable rules regarding examination administration. ABRET may refuse my admission to an examination if I do not have the proper identification (valid photo ID and eligibility notice), or if administration has begun. The proctors may take steps as they believe necessary to maintain a secure and proper examination administration, including (but not limited to) relocating me before or during the examination.
  - B. If I am refused admission or fail to appear at the examination site, or if my examination performance is voided based upon my behavior, I agree that I will not receive a refund of the application or examination fees and there will be no credit for any future examination.
  - C. I understand that review of the adequacy of examination materials will be limited to computing accurate scoring; I hereby waive all further claims of examination review.
  - D. I acknowledge that ABRET is concerned with reporting only valid scores. I agree that ABRET may cancel an examination score if there is adequate reason to question its validity because of misconduct or other circumstances.
  - E. A passing score is required for credentialing in all instances.
6. **Continuing Compliance.** I understand and agree that it is my responsibility to maintain and demonstrate continuous compliance with all ABRET policies and procedures.
7. **Certification Marks.**
  - A. The Evoked Potential credential and the stylized “R.EPT.” logo are the sole and exclusive

## Application Agreement Continued

property of ABRET and are subject to all applicable trademark and other rights of ABRET as owner under United States intellectual property law and international conventions. I agree to abide by ABRET's instructions regarding use of its intellectual property, and to not use this intellectual property in any way without the express prior written consent of ABRET.

B. I agree to correct at my own expense any inaccurate or unauthorized use by me of ABRET's credential and logo. I agree that if I refuse to make corrections, then ABRET is entitled to obtain all relief permitted by law, including but not limited to injunctive relief to enforce its rights with respect to the protection of its name, credential, logo, and other intellectual property.

- 8. Information Release.** I agree that ABRET may release information regarding my application and certification record to state and federal authorities, licensing boards, employers, and others. This information includes (but is not limited to) ABRET's findings regarding review of my application, fraudulent statements made by me, information indicating noncompliance with laws or regulations or with policies of other organizations, and the pendency or outcome of disciplinary proceedings.
- 9. Duration of Credential.** This Application Agreement will become effective as of the date of acknowledgement upon submitting my application and will remain in effect for the duration of my application review. If I am granted registration, the terms of this Application Agreement will automatically continue in effect for the duration of my credential. I acknowledge and agree that initial credential is awarded only for a five (5) year period, and that completion of recertification requirements, recertification applications, and reviews will be required to maintain my credential.
- 10. Waiver of Claims & Indemnification.**
- A. I hereby waive all claims against ABRET arising out of my application and my participation in the certification program, including (but not limited to) claims arising out of (i) any release of information to state and federal authorities, licensing boards, employers, and others, and (ii) any investigation and review of my application and certification by ABRET. If ABRET is required by law to disclose confidential information, the individuals(s) whose information is released will be notified to the extent permitted by law.**
- B. I agree to indemnify ABRET for any third-party claims arising out of any action taken pursuant to the policies and procedures of ABRET with regard to my application, the examination, or my certification. In addition, I agree to indemnify ABRET for any third-party claims arising out of my professional practice and related activities.
- C. The provisions of this Waiver of Claims & Indemnification section do not extend to claims based on the gross negligence or willful misconduct of ABRET.
- D. My obligations and rights and those of ABRET under this Waiver of Claims & Indemnification section will survive beyond the termination or expiration of my certification and remain in full force and effect.
- 11. Governing Law & Venue.** This Agreement is governed exclusively by the laws of the State of Illinois, without reference to its choice of law doctrine. The parties agree that the sole jurisdiction and venue for any litigation arising from this Agreement is the appropriate federal court for the Central District of Illinois or state court located in Sangamon County, Illinois. If a dispute arises, the parties shall make a good faith attempt to resolve the dispute through dialogue and negotiation prior to pursuing court action.

Upon submitting the application for "R.EPT." you will be asked to acknowledge that you have read and understand this Application Agreement and agree to its terms in consideration for the opportunity to seek certification from ABRET.

**Information Release:** If granted registration, you will be authorizing ABRET to release your name and the fact that you have been granted registration to newspapers and other publications, and to release your name, employment information, address, and e-mail address in ABRET's online directory and mailing list. You may opt out of this process by notifying the ABRET office in writing.

## Examination Administration

The Registration Examination for Evoke Potential Technologists is administered on a daily basis, Monday through Saturday, excluding holidays, at computer-based testing facilities managed by Prometric.

In the event of inclement weather, check the Prometric website for site closures: <https://www.prometric.com/en-us/pages/siteclosure.aspx>.

Prometric’s website provides information on what you can expect on your test day, including a walkthrough of check in and security procedures: [www.prometric.com](http://www.prometric.com).

## Rules for Examination

Please read the information below carefully. You are responsible for adhering to the examination rules while at the testing center.

1. You must present your current driver’s license, passport, or US Military ID at the testing center. Candidates without valid ID will NOT be permitted to test. Temporary or paper copies of your ID will not be accepted.
2. No Electronic devices that can be used to record, transmit, receive, or play back audio, photographic, text, or video content, including but not limited to, cell phones, laptop computers, tablets, Bluetooth devices; wearable technology (such as smart watches), MP3 players (such as iPods), pagers, cameras, and voice recorders are permitted to be used and cannot be taken in the examination room. Prometric provides lockers for your personal items.
3. No papers, books, calculator, rulers, or reference materials may be taken into or removed from the testing room.
4. No questions concerning content of the examination may be asked during the examination session. The candidate should read carefully the directions that are provided on screen at the beginning of the examination session.
5. Candidates are prohibited from leaving the testing room while their examination is in session, with the sole exception of going to the restroom.
6. Bulky clothing, such as sweatshirts (hoodies), jackets, coats, and hats (except hats worn for religious reasons), and most types of jewelry may not be worn while taking the examination. Proctors will ask you to remove such items and place them in your locker. Please see [Prometric’s statement on Test Center Security](#) for more information.
7. All watches and “Fitbit” type devices cannot be worn during the examination.
8. No food/beverages are permitted inside the testing room. Leave these items in your assigned locker.

**Accessing cell phones and electronic devices at any time while you are taking the exam is prohibited.** You can only remove snacks, drinks, medicine, or personal healthcare items from your locker. No backpacks, bags, pocketbooks or clothing can be removed while your exam is in session.

Contact PTC at (212) 356-0660 or [www.ptcny.com/contact](http://www.ptcny.com/contact) with any questions about the Examination Rules.

**VIOLATION OF ANY OF THE RULES LISTED ABOVE MAY LEAD TO FORFEITURE OF FEES, DISMISSAL FROM THE TESTING ROOM, AND CANCELLATION OF YOUR TEST SCORES.**

## Quick Tips Before Examination Day

\*Hours and days of availability vary at different centers. You will not be able to schedule your examination appointment until you have received a Scheduling Authorization from [notices@ptcny.com](mailto:notices@ptcny.com).

\*It is highly recommended the candidate becomes familiar with the testing site prior to appointment.

\*This Handbook provides the Content Outline for the Examination. Use it to help guide your study in preparing for the examination.

## Content of the Examination

1. The Registration Examination for Evoked Potential Technologists is a computer-based examination composed of multiple-choice, objective questions with a total testing time of four (4) hours.
2. The content for the examination is described in the Practice Analysis, available on the ABRET website and outlined for candidates in this handbook.
3. The questions for the examination are obtained from individuals with expertise in evoked potentials and are reviewed for construction, accuracy, and appropriateness by ABRET and PTC.
4. ABRET, with the advice and assistance of the Professional Testing Corporation, prepares the examination.
5. The Registration Examination for Evoked Potential Technologists will be weighted in approximately the following manner:
  - I. Pre-Study Procedures.....20%
  - II. Performing the Evoked Potential Study.....65%
  - III. Post-Study Procedures.....10%
  - IV. Ethics and Professional Issues.....5%

## Content Outline

### I. Pre-Study Procedures

- A. Patient History
  1. Elements of a history
  2. Use of medical terminology
  3. Neurologic exam
  4. Common medications
- B. Common neurologic disorders and correlations
  1. CNS infections
  2. Demyelinating diseases
  3. Head injury
  4. Tumors
  5. Toxic and metabolic disorders
  6. Vascular disease
  7. Disorders of the auditory system
  8. Disorders of the visual system
  9. Neuropathology
  10. Basic neuroanatomy: central and peripheral
  11. Basic neurophysiology
  12. General anatomy
- C. Considerations in recording
  1. Communication with patient
  2. Age-specific considerations
  3. Effects of medications on recording
  4. EP correlations to known conditions
  5. Wave form generators
  6. Infection control
  7. Sedation practice

### II. Performing the EP Study

- A. Prepare the patient
  1. Measuring for electrode placement
  2. 10-20 and Queen's Square application
  3. Non-cephalic electrode sites
  4. Techniques for applying electrodes
  5. Electrode properties
  6. Obtaining acceptable impedances
  7. Related MSDS/OSHA standards
  8. Patient safety
- B. EP Recording
  1. ACNS Guidelines
  2. Basic recording strategy
  3. Recording techniques per modality
  4. Stimulating techniques per modality
  5. Proper sensitivity and filter settings
  6. Documentation
  7. Normative data
  8. Evaluation of latencies and amplitudes
  9. Near and far field recordings
  10. Normal and abnormal parameters
  11. Polarity
  12. Identifying and correcting artifacts
  13. Troubleshooting
- C. Instrumentation
  1. Use of recording equipment
  2. Recording parameters per modality

## Content Outline Continued

- 3. Stimulating parameters
- 4. Basic electronics
- 5. Electrical safety
- 6. Characteristics of the differential amplifier
- 7. Sensitivity and gain
- 8. Nyquist frequency and aliasing
- 9. Grounding
- 10. Averaging
- 11. Analog to digital conversion
- 12. Sampling rate
- 13. Horizontal and vertical resolution
- 14. Signal-to-noise ratio
- 15. Artifact rejection
- 16. Basic computer skills
- D. Modification of recording strategy
  - 1. Selection of recording parameters
  - 2. Use of filters
  - 3. Obligate waveform analysis and identification
  - 4. Replication and trials
  - 5. Non-standard montages and electrodes
  - 6. Other types of evoked potential studies
- III. Post-Study Procedures
  - A. Electrode removal
    - 1. Infection control
    - 2. Related MSDS/OSHA standards
    - 3. Cleaning and disinfection of electrodes
  - B. Processing data
    - 1. Digital instrumentation
    - 2. Basic computer skills
    - 3. HIPAA considerations
- IV. Ethics and Professional Issues
  - A. Conduct in practice
    - 1. ABRET Code of Ethics
    - 2. National Patient Safety Goals
    - 3. HIPAA
  - B. Patient Safety
    - 1. Infection control
    - 2. MSDS/OSHA standards
    - 3. Electrical safety techniques

## Sample Questions

- 1. Clavicular, cervical, and scalp sites are commonly used for recording
  - A. posterior tibial potentials
  - B. brainstem auditory evoked potentials
  - C. median nerve potentials
  - D. popliteal fossa potentials
- 2. In the central nervous system, myelin sheath forms around the
  - A. axon
  - B. glia
  - C. cell body
  - D. dendrites.
- 3. What is the most appropriate bandpass for pattern reversal visual evoked potentials?
  - A. 0.1-20Hz
  - B. 1-200Hz
  - C. 1-1000Hz
  - D. 100-1000Hz

ANSWERS TO SAMPLE QUESTIONS: 1. C, 2. A, 3. B

## References

The following references, or recent editions of the following, may be of use in preparing for the examination. The list does not attempt to include all acceptable material, nor is it suggested that the Registration Examination for Evoked Potential Technologists questions are necessarily based on these references.

American Clinical Neurophysiology Society Guidelines in Evoked Potentials, 2006 ([www.acns.org](http://www.acns.org))

Aminoff MJ (ed). Aminoff's Electrodiagnosis in Clinical Neurology, 6<sup>th</sup> Edition. Churchill Livingstone: 2005. (ISBN 1455703087)

Chiappa K. Evoked Potentials in Clinical Medicine. 3<sup>rd</sup> edition. Raven Press, New York, 1997. (ISBN 0397516592)

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Additional reference materials may be obtained by contacting the American Society of Electroneurodiagnostic Technologists, [www.aset.org](http://www.aset.org)

## Scoring

The Board set the passing standard as the number of test questions it determines to be necessary for candidates to answer correctly in order to be considered at least minimally competent. This method focuses on the particular test that is being administered. Different forms of an examination are matched for difficulty and content coverage. This comprehensive approach makes use of information about the performance of similar groups in the past.

ABRET is concerned with reporting only valid scores. On rare occasions, misconduct or circumstances beyond the individual's control may render a score invalid. If doubts are raised about a score because of these or other circumstances, ABRET reserves the right to cancel any examination score if, in the sole opinion of ABRET, there is adequate reason to question its validity.

## Report of Results

At the end of the examination, candidates will receive an email with a link to retrieve an **UNOFFICIAL** test result prior to leaving the testing center. If you do not receive an email with the link please check your spam and then call 800-741-0934.

Approximately 4 - 6 weeks following examination date, candidates will receive an email when the **OFFICIAL** test result has been uploaded into their ABRET Credential Management account. Candidates will be notified by PTC via email on when score reports are available online. Scores on the major areas of the examination and on the total examination will be reported and available online for only 30 days. Save a copy of your score report.

Candidates may request a Handscore Report of their exam by completing a form directly to PTC with a \$25 fee. Here is the link:

[http://ptcny.com/PDF/PTC\\_Handscore\\_Request\\_Form.pdf](http://ptcny.com/PDF/PTC_Handscore_Request_Form.pdf)

\* Please do not contact the ABRET office about your results until you receive your **OFFICIAL** test results. You will not be able to reapply until the OFFICIAL test results are in.

## Examination Challenges

Candidates may comment in the appropriate section at the end of the examination about any test question or questions, test procedure, and/or the test itself. Alternatively, a candidate may submit a complaint in writing to the ABRET Executive Director no later than fourteen (14) calendar days after taking the examination. All challenges and complaints will receive ABRET's full attention. Comments regarding examination validity will be reviewed by the ABRET examination committee. Examination materials shall not be available for review by candidates.

## Confidentiality

1. ABRET will release the individual test scores **ONLY** to the individual candidate. CAAHEP Program Directors will receive the results of their graduates included on the individual CAAHEP Program School Report.
2. From time to time it may be necessary for the ABRET Executive Office and BOD to disclose candidate information and/or scores. No material or information disclosed will be released to any unauthorized person.
3. Any questions concerning test results should be referred to ABRET or the Professional Testing Corporation.
4. ABRET provides the national NDT society with the names, addresses, and emails of passing candidates. Candidates may opt-out by contacting ABRET.

## Attainment of Credential

Eligible candidates who pass the Registration Examinations for Evoked Potential Technologists will be registered as evoked potential technologist for a period of five years and will be authorized to use the designation R. EP T. subject to compliance with the Code of Ethics, rules, policies, and procedures, and standards of practice of ABRET They will receive a time-limited Certificate of Registration and be eligible for recertification after five years. If not recertified, they will no longer be permitted to use the R. EP T. designation.

## Name/Address Changes

The candidate is responsible for promptly notifying the ABRET Executive Office of address or name changes to be made.



## Code of Ethics and Standards of Practice

ABRET is a nonprofit credentialing board for Electroencephalographic (R. EEG T.) Technologists, Evoked Potential (R. EP T.) Technologists, Neurophysiologic Intraoperative Monitoring (CNIM, CNIM-CS) Technologists, Long Term Monitoring (CLTM) Technologists, Autonomic Professionals (CAP), NeuroAnalyst (NA-CLTM), and Magnetoencephalography (CMEG), and seeks to encourage, establish, and maintain the highest standards, values, and principles of these neuroprofessionals. ABRET Registered and Certified Technologists should recognize their responsibilities, not only to their patients, but also to society, to other healthcare professionals, and to themselves.

The following principles have been adopted by the Board of Directors to encourage personnel to aspire to the highest possible professional practice. An ABRET-credentialed neuroprofessional shall:

1. Do everything in his or her power to ensure that the department in which he or she works performs neurodiagnostic procedures in compliance with the current Guidelines of the American Clinical Neurophysiology Society.
2. Preserve human dignity, respect patient's rights, and support the well-being of the patient under his or her care. ABRET-credentialed neuroprofessionals shall avoid discrimination against individuals on the basis of race, creed, religion, sex, age, and national origin.
3. Appreciate the importance of thoroughness in the performance of duty, compassion with patients, and the significance of the task she or she performs.
4. Preserve the confidentiality of medical and personal information of a patient.
5. Strive to remain abreast of current technology and to study and apply scientific advances in his or her specialty.
6. Carry out his or her professional work in a competent and objective manner.
7. Abide by laws related to the profession and to general public health and safety and avoid dishonest, unethical, or illegal practices.
8. Refuse primary responsibility for interpretation of testing or monitoring of Electroencephalograms, Evoked Potentials, or Neurophysiologic Intraoperative Monitoring for purposes of clinical diagnosis and treatment. Individuals who are licensed or otherwise authorized by practice standards to provide interpretation are excluded.
9. Be truthful, forthcoming, and cooperative in his or her dealings with ABRET.
10. Be in continuous compliance with ABRET's rules (as amended from time to time by ABRET).
11. Respect ABRET's intellectual property rights.
12. Upon suspension or withdrawal of credentials, the individual shall discontinue the use of all claims to credentials that contain any reference to ABRET, and to return any certificates issued by ABRET.

## Purpose of Standards

ABRET has developed the *Code of Ethics* and the Grounds for Disciplinary Action to articulate standards of conduct required for eligibility for credentialed neuroprofessionals. Maintenance of board registry and certification will require adherence to these and other ABRET rules. Individuals who fail to meet these requirements may have their credential(s) suspended or revoked. ABRET does not guarantee the job performance of any individual.



# Violations Reporting Requirements

If conduct has occurred that may be grounds for disciplinary action under the Violations to Standards of Practice and Disciplinary Process policy, then ABRET may place an application on hold while reviewing the matter. These will be reviewed on a case-by-case basis.

A criminal conviction may be grounds to deny or otherwise limit eligibility. Convictions of this nature include (but are not limited to) felonies involving rape, sexual abuse of a patient or child, and actual or threatened use of a weapon or violence. If a conviction resulted in a sentence that includes incarceration, then the individual is ineligible while in confinement. (RUL-26)

- 1. Grounds for Disciplinary Action.** ABRET may deny, suspend, revoke, or take other action regarding an application or certification if an individual is not in compliance with this Disciplinary Policy. Grounds for disciplinary action include (but are not limited to):
  - A. Ineligibility for certification, regardless of when the ineligibility is discovered;
  - B. An irregular event in connection with an ABRET examination including (but not limited to) copying answers, copying examination materials, and causing a disruption in the testing area;
  - C. Providing fraudulent or misleading information;
  - D. Unauthorized possession or misuse of ABRET credentials, examinations, and other intellectual property;
  - E. Misrepresentation of certification status
  - F. Failure to provide requested information in a timely manner;
  - G. Failure to inform ABRET of changes or adverse actions;
  - H. Gross negligence or willful misconduct in professional work;
  - I. Accepting primary responsibility for interpretation of testing or monitoring for purposes of clinical diagnosis and treatment (Individuals who are licensed or otherwise authorized by practice standards to provide interpretation are excluded.);
  - J. Failure to maintain a current professional credential as required by the jurisdiction in which the individual practices (this may include a license, certificate, or registration);
  - K. The conviction of, plea of guilty to, or plea of no contest (“nolo contendere”) to a felony or misdemeanor related to public health and safety or the profession;
  - L. Disciplinary action by a licensing board or professional organization other than ABRET; and
  - M. Other failure to maintain continuous compliance with ABRET standards, policies, and procedures.

## **2. Sanctions.**

- A. ABRET may impose one or more of the following sanctions for a violation of this Disciplinary Policy:
  - i. Denial or suspension of eligibility;
  - ii. Denial of certification;
  - iii. Revocation of certification;
  - iv. Non-renewal of certification;
  - v. Suspension of certification;
  - vi. Reprimand;
  - vii. Probation;
  - viii. Notification of other legitimately interested parties; or
  - ix. Other corrective action.

(RUL-8)

Candidates or certificants may appeal the decision of the Ethics and Disciplinary Committee by submitting a written appeals statement within 30 days, according to ABRET’s policies.

Each candidates must affirm that the information provided in the Application is true and correct to the best of their knowledge. Each candidate further agrees to hold ABRET and its sponsoring organizations blameless from any claim for damages as a result of any action it may take in connection with this Application, the credentialing examination, or the results there of.