



**Certified Healthcare Emergency
Power Professional
(CHEPP®)**

Updated: March 1, 2019

CHEPP® Certification

The **Certified Healthcare Emergency Power Professional (CHEPP®)** program is for individuals seeking to highlight their experience in the industry. Individuals who are responsible for the proper operation, maintenance, and testing of an emergency power supply system (EPSS).

Motor and Generator Institute developed these certification programs to ensure compliance with the local AHJ, such as the fire marshall or healthcare facility surveyor. The following codes and standards were used in the development of MGI's training.

- NFPA 70, *National Electrical Code®*
- NFPA 99, *Health Care Facilities Code®* (HC)
- NFPA 101, *Life Safety Code®*
- NFPA 110, *Standard for Emergency and Standby Power Systems*
- Occupational Safety and Health Administration (OSHA) Regulations
- Centers for Medicare and Medicaid Service (CMS) 42 CFR 482.15 (HC)
- The Joint Commission – Environment of Care (EC) Section (HC)
- DNV Healthcare – Physical Environment (PE) Section (HC)

There are 170+ emergency power supply system (EPSS) requirements found in the [National Fire Protection Association](#) (NFPA), CMS, DNV, and The Joint Commission, codes and standards. Motor and Generator Institute (MGI) makes compliance with those requirements simple by providing the necessary tools to ensure you are well versed in weekly inspections and monthly testing procedures, which include the cooling, lubrication, fuel, and battery charging subsystems.



Benefits of Certification

Motor and Generator Institute (MGI) provides training and certification exclusive to the emergency power industry. MGI offers certification services for personnel involved in the operation, maintenance, testing, and compliance of an emergency power supply system (EPSS). In the last 20 years, MGI has trained over 45,000 people on proper inspection and testing requirements. The MGI **Certified Healthcare Emergency Power Professional (CHEPP®)** certifications provide many benefits:

- **Competitive Advantage:** Having the CHEPP® can set you apart from other professionals in your field, showing that you have a demonstrated commitment to understanding and excelling in emergency power supply systems. This can give you an advantage, which is particularly important with ever-increasing requirements and changing technology.
- **Increase Earning Potential:** Time and effort devoted to the CHEPP® show a commitment to professional development in the emergency power field. An MGI certification shows you are well versed in operation, maintenance, testing, and compliance requirements of an emergency power supply system (EPSS).
- **Professional Credibility:** Once an individual has earned the CHEPP® designation, that individual may use it for professional communications, such as letterheads, office stationery, business cards, directory listings, and in signatures. The CHEPP® demonstrate your commitment to superior professionalism, upholding industry standards, and continued learning.

The **Certified Healthcare Emergency Power Professional (CHEPP®)** is a worthwhile investment because of the many advantages provided throughout your career. As you move forward, be sure to keep your certifications up-to-date so you can continue to realize these benefits.

About the Instructor

Motor and Generator Institute (MGI) was formed in 1995 by **Dan Chisholm, Sr, CHEPP**. Dan currently serves as the Chairman of the National Fire Protection Association's Technical Committees responsible for chairman of **NFPA 110, *Emergency and Standby Power Systems*, NFPA 111, *Stored Electrical Energy Emergency and Standby Power Systems***, and a technical committee member of the Electrical Section of **NFPA 99, *Health Care Facilities Code***, while also serving as a primary emergency power consultant to the U.S. Army Medical Department (AMEDD) and the Department of Defense.



Dan's numerous speaking engagements have included addressing annual Healthcare Engineering Association meetings in 40 states and annual meetings of the American Society of Healthcare Engineers (ASHE) during the last 30 years. His publication credits include authoring Emergency Power Supply Systems white papers for the American Hospital Association, Joint Commission, CMS, FEMA, and the Veterans Administration.

Program Fee

\$299 (US) per student: Includes the **Emergency Power Supply System (EPSS): Maintenance, Testing, and Compliance Manual**, practice test, final examination, and certification. Once an individual has earned the CHEPP® designation, that individual may use it for professional communications, such as letterheads, office stationery, business cards, directory listings, and in signatures. **Students have 365 days to complete the certification program.**

When and How?

The certification exams are administered and hosted by Motor and Generator Institute. To take the CHEPP® exam, you must currently have a username and password. **Students have 365 days from issuance of their login to complete the examination.**

Study Guide

The CHEPP® study guide includes the **Emergency Power Supply System (EPSS): Maintenance, Testing, and Compliance Manual**, videos, and practice questions. Students with a current login can access the manual online and print for insertion into a three-ring binder. Students also receive immediate access to the maintenance and testing course, plus the compliance update video. practice questions are administered on the website. It is not required but HIGHLY recommended students review the M&T video course, plus the compliance update video.

Course Materials

Candidates for the CHEPP® at a minimum must obtain a copy of NFPA 110, *Standard for Emergency and Standby Power Systems*, 2010 or 2019 Edition. Plus, a copy of NFPA 99, *Standard for Health Care Facilities*, 2012 edition.

Final Exam

The CHEPP® exams are one-hundred (100) questions, open-book and timed. Students have two (2) hours (120 min) to complete the exam and earn their certification. Candidates will receive his/her score once the final examination has ended. Candidates must answer (70%) or more of the questions correctly to achieve a passing grade.

Renewal of Certification

Attaining certification is an indication of mastery of a well-defined body of knowledge at a point in time. Periodic renewal of the certification is required to maintain certified status. Initial CHEPP® certification, or renewal of certification, is valid for three (3) years. To renew your certification, students must complete a 1-hour re-certification training course and exam. Certificate holders will be notified by email 90, 60, and 30 days from expiration. Students will be contacted using the email registered on the MGI website.

Professional Standards of Conduct

A candidate, who has been accepted into the program and/or a CHEPP® certificate holder by Motor and Generator Institute agrees to conduct himself/herself in an ethical and professional manner. This includes demonstrating practice-related behavior that is indicative of professional integrity. By acceptance into the program and/or issuance of a certificate, the candidate or certified person agrees to do the following:

- Maintain professional competence
- Demonstrate work behavior that exemplifies the ability to perform safely, competently, and with good judgment
- Conduct activities with honesty and integrity
- Avoid discriminating against any individual based on age, gender, race, color, religion, national origin, disability, or marital status
- Avoid conflicts of interest
- Abide by laws, rules, and regulations of duly authorized agencies regulating the industry
- Abide by rules and regulations governing programs conducted by MGI
- Infraction of the Professional Standards of Conduct

An infraction is a misconduct for which acceptance into the program, granting of certification, or renewal of certification may be delayed or denied, or for which acceptance in the program or certification may be revoked by Motor and Generator Institute.

Program Outline

General Knowledge

- Properly Trained Personnel
- Codes and Standards Governing M/T
- Essential Loads Powered by the EPSS
- What Happens When the Power Goes?

Personnel Safety

- Signage on and Around the EPSS
- Safety Gear
- EPSS Lockout Procedure
- OSHA Letter

Operation and Maintenance

- Who Has the Last Word on M/T
- When to Use a “Backup” EPS
- Manuals, Special Tools, and Spare Parts
- Maintenance and Operational Requirements
- When to Start Your M/T Program
- Documentation
- You ARE the “Utility of Record”
- Rental Unit Agreements
- Replacement of Batteries

Weekly Inspections

- Predictive Maintenance
- Incorporating Safety into Routine
- Electrical and Starting Systems
- Starting Batteries
- Starting System Maintenance
- Lead-Acid Battery Maintenance
- Battery Charger
- General Condition of the EPSS
- EPS Prime Mover (EPS)
- Cooling Systems
- Exhaust Systems
- Fuel Systems
- Lubrication Systems
- Transfer Switches
- Circuit Breakers

Monthly and Triennial Testing

- Purpose
- Peak Load Shaving
- Frequency and Test Length
- Date and Time of Test
- Equivalent Loads
- Load Run Banks
- Gas Powered Generators
- Cold Starts
- Time Delays
- Monthly Testing Procedure
- Tri-Annual Testing

To Register, Please go to:

www.mgiepss.com/certification/