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1.0 ASSE 6000 Series certification information

1.1 About MyMedGas Credentialing:

While working around or with medical gas and vacuum systems it is imperative that patient safety is first and foremost. This is why governments, the Authority Having Jurisdiction (AHJ) and local facilities require that people working around or with medical gas and vacuum systems demonstrate the highest level of competence. MyMedGas Credentialing believes in testing the competence of candidates to the highest industry standards fairly and transparently. We do this through the input of Subject Matter Experts (SME's) coupled with our industry-leading online software and 3rd party inspectors.

Our team of SME's consists of people who have many years of experience working in the field around medical gas systems, in the classroom training candidates, as well as designing medical gas systems. These SME's are industry professionals who hold multiple ASSE 6000 Series certifications and/or sit on various committees (sitting members or alternates) for the *NFPA 99 Health Care Facilities Code* and/or the *ASSE Series 6000 Committee or Working Groups*. Together they are collectively responsible for ensuring that the competence testing and examinations are up to date with the latest codes and standards. Through a continuous improvement program, they ensure that all examinations are conducted fairly, and transparently and meet the goal of ensuring that certified people working around medical gas and vacuum systems are doing so safely.

1.2 MyMedGas Credentialing License:

MyMedGas Credentialing is licensed by the State of New Hampshire, "*Division of Educator Support and Higher Education Office of Career School Licensing*", to operate as a private post-secondary career school. It provides programs listed in the approved programs catalogue in accordance with the provisions of the New Hampshire Code of Administrative Rules, Hedc 300, and the Revised Statutes, (RSA 188-G).

License Number: MECO-217

New Hampshire Department of Education Website: <https://www.education.nh.gov/who-we-are/division-of-educator-support-and-higher-education/office-career-school-licensing>

1.3 Applicants:

By working with MyMedGas Credentialing you can be assured that the examinations are designed to challenge your knowledge of medical gas and vacuum systems fairly with objective code-related questions and procedures. We believe every ASSE 6000 Series certified person should hold a copy of the *NFPA 99 HealthCare Facilities Code* and know how to use it. Safety is paramount and knowing how and where to verify the code is a key aspect of your daily routine.

1.4 Employers:

Although the certificates are linked to individual candidates, we understand that employers need to maintain their records to ensure their own compliance. To support this, we offer an online portal that allows employers to view and manage their employees' records. The portal provides insights into compliance status, including who is compliant, approaching expiration, expired, or in the process of recertification.

1.5 Trainers:

If you are an ASSE 6050 certified trainer offering courses in person and would like MyMedGas Credentialing to verify the competence of your candidates, we are here to help. By partnering with

MyMedGas Credentialing we can offer online written examinations and proctoring with instant grade confirmation as well as 3rd-party CWI certified inspectors for brazing coupon testing.

1.6 Examinations:

1.6.1 Written Examinations:

All of our written examinations are developed by our ASSE 6000 Scheme Committee, comprised of Subject Matter Experts (SMEs). The SME's will design questions based on the latest codes, ensuring they are objective and transparent. Additionally, we have a continuous improvement system in place, where the data and statistics for each question are analyzed to ensure clarity and relevance for candidates. All the questions on the examinations are a part of a question bank which consists of multiple topics and questions. Each exam consists of one or more topics specific to the certificate in question.

1.6.2 Practical Examinations:

All of our practical examinations are developed by our ASSE 6000 Scheme Committee, comprised of Subject Matter Experts (SMEs). The SME's have designed, tested and certified brazing procedures based on the best practices and the latest codes, ensuring they are objective and transparent. All practical brazing coupons will be shipped to an independent 3rd party Certified Welding Inspector (CWI) inspector for approval.

1.7 Questions, Complaints and Appeals:

If at any time you have questions, wish to lodge a complaint or would like to formally appeal any results please write to MYMEDGAS Credentialing via email or by mail to the addresses below.

Email: credentials@mymedgas.com

Mail: MyMedGas Credentialing
2101 Dover Rd.
Epsom, NH 03234
USA

1.8 Credential Registry and Verification:

All credentials are made publicly available for verification. The credentials are available in a digital format with QR codes linking to our public registration site where anyone can verify the certificate holders' credentials. The site can also be found through normal search engines at directory.mymedgas.com. This site is public and may include my full name, registered city, state, and zip code, type and dates of certification, prerequisites and its expiration date. Making this information publicly available is a requirement of ISO/IEC 17024 Conformity assessment — General requirements for bodies operating certification of persons, which MyMedGas Credentialing follows.

1.9 Credential format:

All credentials are issued through a 3rd party block-chain secured company called Accredible. These credentials are delivered electronically to your email and come in four (4) formats.

- PDF certificate: Can be downloaded and printed as needed. This comes with a QR code so anyone can scan and verify your credentials at any time.
- Digital badge: Can be used for email signatures or on digital sites such as LinkedIn.

- Mobile Wallet ID card: A digital wallet card (similar to your Apple Pay or a flight boarding pass) which, once downloaded is always available on your mobile device. This is instead of a physical ID Card. This comes with a QR code so anyone can scan and verify your credentials at any time.
- Physical ID Badge (**extra cost applies**): This can be provided and shipped to the certificate holder for an extra cost.

1.10 Terms & Conditions and Rules:

MYMEDGAS Credentialing operates its certification process in conformance with the *ISO/IEC 17024-2012 Conformity assessment — General requirements for bodies operating certification of persons*. This International Standard contains principles and requirements for a body certifying persons against specific requirements and includes the development and maintenance of a certification scheme for persons. The standard is very rigid in processes and documentation and is taken with the utmost seriousness.

For more information on MYMEDGAS Credentialing's General T&C and General Rules please follow the links below:

[MYMEDGAS Credentialing General T&C's](#)

MyMedGas Credentialing Rules and Credential Scheme

1.11 Privacy Policy:

For more information on MYMEDGAS Credentialing's Privacy Policy please follow the link below:

[Privacy Policy](#)

2.0 ASSE 6005 – Medical Gas System Generalist

2.1 Scope and purpose:

This standard provides general knowledge of medical gas and vacuum systems for the purpose of providing continuing education. Eligible individuals include any person with an interest in medical gas and vacuum systems and equipment. Medical gas systems and equipment covered in this standard include those in health care facilities within the scope of *NFPA 99, Health Care Facilities Code*. Medical gas systems encompass those distributing USP gases, medical vacuum, WAGD and support gas piping.

The purpose of this standard is to provide minimum criteria, identified by industry consensus, for Medical Gas Systems to ensure compliance with the referenced standards in Section 5-1.4 of the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*.

MyMedGas Credentialing will test the competence of the applicant to meet the minimum required level of ASSE 6005 Section 5.4.1. Upon successful completion of the required exam(s) and approval of certification requirements, the applicant will be eligible for a certificate.

2.2 Certification requirements:

The applicant shall meet all requirements of the ASSE 6005 Section 5-4.1 before being eligible for the examination or certificate:

1. They shall take a minimum 24-hour training course covering the ASSE Standard 6005 and applicable sections of the NFPA 99 and NFPA 55. Course instruction shall be conducted by a Medical Gas Systems Instructor with a valid ASSE 6050 certificate..

2.2.1 Documentation required from the applicant:

- Legible copy of proof of completion of required training 24-hour training including:
 - o The ASSE 6050 instructor's
 - Name and signature
 - ASSE 6050 License number and issuer
 - o Date of completed training
 - o Length of training (hours)
 - o Training material covered must be in accordance with the ASSE/IAPMO/NSI Series 6000 Professional Qualifications Standard for Medical Gas System Personnel.

2.2.2 Examination Information:

For security and impartiality, all examinations by MyMedGas Credentialing are administered online through their testing software. The applicant will be notified immediately after completion of their score and if it meets the minimum passing grade, a formal email will also be sent with the applicants' examination results. If the applicant is unable to complete the online exam for any reason or a provision is requested, please contact us at credentials@mymedgas.com.

Table 2.1: Exam Specifications

Examination for:	ASSE 6005 – Medical Gas Generalist
Maximum allowable time:	1.5 hours (90 minutes)
Number of questions:	50
Material covered:	<ul style="list-style-type: none">- ASSE 6005- Applicable sections of the NFPA 99 and NFPA 55
Minimum passing grade:	70%
Maximum number of attempts:	3 (Three)
Exam platform:	Online only
Open or closed book:	Open book, applicants are highly encouraged to have a copy of the NFPA 99 code book

The examination consists of a bank of questions categorized into various topics. The questions within these topics are randomized for every applicant.

2.3 Certification process:

This certification is administered in accordance with the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*. Copies of this standard are available directly from the ASSE <https://www.asse-plumbing.org/> or (708) 995-3019.

Upon successful completion of the required training, exam(s) and approval of certification requirements, the applicant will be eligible for a certificate. Upon approval from MyMedGas Credentialing, the candidate will be issued a certificate showing they have successfully met the requirements as set forth by the ASSE Series 6000 – 6005 Medical Gas System Generalist and will be issued a certification. This certificate will be valid for 3 years from the issuing date. For details about the certification format please see [section 1.9](#).

3.0 ASSE 6010 - Medical Gas System Installer

3.1 Scope and purpose:

This standard applies to any individual who installs piping or components of medical gas systems including braziers and welders. Medical gas systems and equipment covered in this standard include those in healthcare facilities within the scope of NFPA 99-2024, *HealthCare Facilities Code*. Medical gas systems encompass those distributing USP gases, medical vacuum, WAGD and support gas piping.

The purpose of this standard is to provide minimum performance criteria, identified by industry consensus, for the qualification of Medical Gas Systems Installers to ensure compliance with the referenced standards in Section 10-1.4 of the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*.

MyMedGas Credentialing will test the competence of the applicant to meet the minimum required level of ASSE 6010 Section 10-3.2. Upon successful completion of the required exam(s) and approval of certification requirements, the applicant will be eligible for a certificate.

3.2 Certification requirements:

The applicant shall meet all requirements of the ASSE 6010 Section 10-3.2 before being eligible for the examination or certificate:

1. The candidates for the ASSE 6010 certification shall have a minimum of (4) four years of documented practical experience in the field of installation of plumbing or mechanical piping systems.
2. They shall take a minimum 32-hour training course covering the ASSE Standard 6010 and applicable sections of the NFPA 99. Course instruction shall be conducted by a Medical Gas Systems Instructor with a valid ASSE 6050 certificate.

3.2.1 Documentation required from the applicant:

- Legible copy of proof of completion of required training 32-hour training including:
 - o The ASSE 6050 instructor's
 - Name and signature
 - ASSE 6050 License number and issuer
 - o Date of completed training
 - o Length of training (hours)
 - o Training material covered must be in accordance with the ASSE/IAPMO/NSI Series 6000 Professional Qualifications Standard for Medical Gas System Personnel.

(If the applicant has taken the training through BeaconMedaes then their certificate will be on file).
- Details of employment prerequisites
- Legible copy of a QB-484 from either:
 - a. Section 3.2.2.1 Part 2 Practical Examination from MyMedGas Credentialing, once approved by a 3rd-party CWI Inspector.
 - b. External QB-484 approved by a 3rd-party CWI Inspector with a signed attestation from the employer to the authenticity of the provided QB-484.
 - i. If the QB-484 is over 6 months old then a valid QB-322 will also be required.

3.2.2 Examination Information:

3.2.2.1 Part 1: Written Examination Information:

For security and impartiality, all examinations by MyMedGas Credentialing are administered online through their testing software. The applicant will be notified immediately after completion of their score and if it meets the minimum passing grade, a formal email will also be sent with the applicants' examination results. If the applicant is unable to complete the online exam for any reason or a provision is requested, please contact us at credentials@mymedgas.com.

Table 3.1: Exam Specifications

Examination for:	ASSE 6010 – Medical Gas System Installer
Maximum allowable time:	2 hours (120 minutes)
Number of questions:	100
Material covered:	<ul style="list-style-type: none">- ASSE 6010- Applicable sections of the NFPA 99
Minimum passing grade:	70%
Maximum number of attempts:	3 (Three)
Exam platform:	Online
Open or closed book:	Open book, applicants are highly encouraged to have a copy of the NFPA 99 code book

The examination consists of a bank of questions categorized into various topics. The questions within these topics are randomized for every applicant.

3.2.2.1 Part 2: Practical Examination Information:

To be eligible for an ASSE 6010 certificate the candidate shall also prove competence in brazing medical copper pipe. MYMEDGAS Credentialing may conduct a new practical examination (3.2.2.2) following the MYMEDGAS Credentialing Brazing Procedure Specifications (BPS) or accept a current QB-484 (3.2.2.3), if the BPS and BPQ meet the requirements. The practical exam requirement for brazing qualification shall be in accordance with NFPA 99:2024 5.1.10.11.11.

3.2.2.2 Practical Exam administered by MyMedGas Credentialing:

- Materials and procedures in accordance with MYMEDGAS Credentialing Brazing Procedure Specifications (BPS)
 - o NOTE: All MYMEDGAS Credentialing's BPS and the Brazer's Performance Qualification (BPQ) QB-484 forms shall show the range of pipe/plate that the Brazer is qualified for. The brazer shall only be qualified for the material and procedure shown. If the brazer requires qualification to something outside of the QB-484 range, then a second exam with a different BPS and BPQ will be required. In some cases, this may mean that a brazer needs to submit multiple different sizes and coupons to fulfill the range of material that they are trying to qualify for.
- Exam to be proctored either in-person or virtually (video call/meeting online)
- Students shall ship the test coupons that require inspections, along with the designated QB-484 form, to a designated 3rd party lab

- Approval of brazing of the designated BPS will be issued upon receipt of the external lab results QB-484 & proctor approval.

3.2.2.3 External QB-484 from qualified 3rd party CWI-certified inspector:

- If a student, or employer, has a preexisting brazing qualification we may accept it in lieu of a new practical exam. To be eligible for waiving the practical exam the candidate, or employer shall supply:
 - o Copy of original QB-484 brazing qualification
 - o The QB-484 shall be signed and approved by a CWI-certified inspector from an external 3rd party lab/examination facility and clearly show the procedure and range qualified to
 - o The QB-484 shall meet the requirements of the NFPA 99:2024 5.1.10.11.11
 - o The acceptance of this qualification is at the sole discretion of the MYMEDGAS Credentialing Invigilator
 - o If the QB-484 provided is older than 6 months, then a copy of a QB-322 showing brazing continuity shall be required along with a signed attestation from the employer to the authenticity of the provided QB-484 (Document: 1316009002 Brazing Specifications and Instructions) and QB-322 (Document: 1316009003).

3.3 Certification process:

This certification is administered in accordance with the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*. Copies of this standard are available directly from the ASSE website at <https://www.asse-plumbing.org/> or by phone at (708) 995-3019.

Upon successful completion of the required training, exam(s) and approval of certification requirements, the applicant will be eligible for a certificate. Upon approval from MyMedGas Credentialing, the candidate will be issued a certificate showing they have successfully met the requirements as set forth by the ASSE Series 6000 – 6010 Medical Gas System Installer and will be issued a certification. This certificate will be valid for 3 years from the issuing date. For more details about the certification format please see [section 1.9](#).

4.0 ASSE 6020 – Medical Gas Systems Inspector

4.1 Scope and purpose:

This standard applies to any individual who inspects the installation of medical gas and vacuum distribution systems. Medical gas systems and equipment covered in this standard include those in health care facilities within the scope of *NFPA 99, Health Care Facilities Code*. Medical gas systems encompass those distributing USP gases, medical vacuum, WAGD and support gas piping.

The purpose of this standard is to provide minimum criteria, identified by industry consensus, for Medical Gas Systems Inspectors to ensure compliance with the referenced standards in Section 20-1.4 of the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*.

MyMedGas Credentialing will test the competence of the applicant to meet the minimum required level of ASSE 6020 Section 20-4.2. Upon successful completion of the required exam(s) and approval of certification requirements, the applicant will be eligible for a certificate.

4.2 Certification requirements:

The applicant shall meet all requirements of the ASSE 6020 Section 20-4.1 before being eligible for the examination or certificate:

1. The candidates for the ASSE 6020 certification shall be employed by a governmental unit as a plumbing and/or mechanical inspector, or as an administrator of such inspectors, or be a person regularly involved in the design, inspection or verification of medical gas systems, or be an ASSE 6010 installer. Candidates shall have a minimum of (2) two years of documented practical experience or any combination of the above.
2. They shall take a minimum 24-hour training course covering the ASSE Standard 6020 and applicable sections of the NFPA 99 and NFPA 55. Course instruction shall be conducted by a Medical Gas Systems Instructor with a valid ASSE 6050 certificate.

4.1.1 Documentation required from the applicant:

- Legible copy of proof of completion of required 24-hour training including:
 - o The ASSE 6050 instructor's
 - Name and signature
 - ASSE 6050 License number and issuer
 - o Date of completed training
 - o Length of training (hours)
 - o Training material covered must be in accordance with the ASSE/IAPMO/NSI Series 6000 Professional Qualifications Standard for Medical Gas System Personnel.
- Details of employment prerequisites

4.1.2 Examination Information:

For security and impartiality, all examinations by MyMedGas Credentialing are administered online through their testing software. The applicant will be notified immediately after completion of their score and if it meets the minimum passing grade, a formal email will also be sent with the applicants' examination results. If the applicant is unable to complete the online exam for any reason or a provision is requested, please contact us at credentials@mymedgas.com.

Table 4.1: Exam Specifications

Examination for:	ASSE Series 6020 – Medical Gas Systems Inspector
Maximum allowable time:	2 hours (120 minutes)
Number of questions:	100
Material covered:	<ul style="list-style-type: none">- ASSE 6020- Applicable sections of the NFPA 99 and NFPA 55
Minimum passing grade:	70%
Maximum number of attempts:	3 (Three)
Exam platform:	Online only
Open or closed book:	Open book, applicants are highly encouraged to have a copy of the NFPA 99 code book

The examination consists of a bank of questions categorized into various topics. The questions within these topics are randomized for every applicant.

3.2 Certification process:

This certification is administered in accordance with the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*. Copies of this standard are available directly from the ASSE website at <https://www.asse-plumbing.org/> or by phone at (708) 995-3019.

Upon successful completion of the required training, exam(s) and approval of certification requirements, the applicant will be eligible for a certificate. Upon approval from MyMedGas Credentialing, the candidate will be issued a certificate showing they have successfully met the requirements as set forth by the ASSE Series 6000 – 6020 Medical Gas System Inspector and will be issued a certification. This certificate will be valid for 3 years from the issuing date. For more details about the certification format please see [section 1.9](#).

5.0 ASSE 6030 – Medical Gas Systems Verifier

5.1 Scope and purpose:

This standard applies to any individual who tests and verifies the operation of medical gas and vacuum systems, except their bulk medical gas/cryogenic fluid central supply systems. Bulk medical gas/cryogenic fluid central supply systems shall be verified by a person certified to ASSE 6035. Where a medical gas system is supplied by a bulk medical gas/cryogenic fluid central supply system, the ASSE 6030 Medical Gas Systems Verifier shall test and verify the work on the patient side of the bulk medical gas/cryogenic fluid central supply system source valve only. Medical gas systems and equipment covered in this standard include those in health care facilities within the scope of NFPA 99, Health Care Facilities Code. Medical Gas Systems encompass those distributing USP gases, Medical vacuum, WAGD and support gas piping systems.

The purpose of this standard is to provide minimum criteria, identified by industry consensus, for Medical Gas Systems Verifier to ensure compliance with the referenced standards in Section 30-1.4 of the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*.

MyMedGas Credentialing will test the competence of the applicant to meet the minimum required level of ASSE 6030 Section 30-3.2. Upon successful completion of the required exam(s) and approval of certification requirements, the applicant will be eligible for a certificate.

5.2 Certification requirements:

The applicant shall meet all requirements of the ASSE 6030 Section 30-3.2 before being eligible for the examination or certificate:

1. The candidates for the ASSE 6030 certification shall have a minimum of (2) two years of documented practical experience in the verification of medical gas system.
2. They shall take a minimum 32-hour training course covering the ASSE Standard 6030 and applicable sections of the NFPA 99, NFPA 55, and CGA M-1. Course instruction shall be conducted by a Medical Gas Systems Instructor with a valid ASSE 6050 certificate.

5.2.1 Documentation required from the applicant:

- Legible copy of proof of completion of required 32-hour training including:
 - o The ASSE 6050 instructor's
 - Name and signature
 - ASSE 6050 License number and issuer
 - o Date of completed training
 - o Length of training (hours)
 - o Training material covered must be in accordance with the ASSE/IAPMO/NSI Series 6000 Professional Qualifications Standard for Medical Gas System Personnel.
- Details of employment prerequisites

5.2.2 Examination Information:

For security and impartiality, all examinations by MyMedGas Credentialing are administered online through their testing software. The applicant will be notified immediately after completion of their score and if it meets the minimum passing grade, a formal email will also be sent with the applicants' examination results. If the applicant is unable to complete the online exam for any reason or a provision is requested, please contact us at credentials@mymedgas.com.

Table 5.1: Exam Specifications

Examination for:	ASSE 6030 – Medical Gas Systems Verifier
Maximum allowable time:	3 hours (180 minutes)
Number of questions:	100
Material covered:	<ul style="list-style-type: none">- ASSE 6030- Applicable sections of the NFPA 99, NFPA 55 and CGA M-1
Minimum passing grade:	85%
Maximum number of attempts:	3 (Three)
Exam platform:	Online only
Open or closed book:	Open book, applicants are highly encouraged to have a copy of the NFPA 99 code book

The examination consists of a bank of questions categorized into various topics. The questions within these topics are randomized for every applicant.

5.3 Certification process:

This certification is administered in accordance with the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*. Copies of this standard are available directly from the ASSE website at <https://www.asse-plumbing.org/> or by phone at (708) 995-3019.

Upon successful completion of the required training, exam(s) and approval of certification requirements, the applicant will be eligible for a certificate. Upon approval from MyMedGas Credentialing, the candidate will be issued a certificate showing they have successfully met the requirements as set forth by the ASSE Series 6000 – 6030 Medical Gas System Verifier and will be issued a certification. This certificate will be valid for 3 years from the issuing date. For more details about the certification format please see [section 1.9](#).

6.0 ASSE 6040 – Medical Gas Systems Maintenance Personnel

6.1 Scope and purpose:

This standard applies to any individual who maintains medical gas and vacuum systems. Medical gas systems and equipment covered in this standard include those in health care facilities within the scope of NFPA 99, Health Care Facilities Code. Medical Gas Systems encompass those distributing USP gases, Medical-vacuum, WAGD and support gas piping systems. Healthcare facility personnel installing medical gas or vacuum systems shall be certified to ASSE Standard 6010.

The purpose of this standard is to provide minimum criteria, identified by industry consensus, for Medical Gas Systems Maintenance Personnel to ensure compliance with the referenced standards in Section 40-1.4 of the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*.

MyMedGas Credentialing will test the competence of the applicant to meet the minimum required level of ASSE 6040 Section 40-3.2. Upon successful completion of the required exam(s) and approval of certification requirements, the applicant will be eligible for a certificate.

6.2 Certification requirements:

The applicant shall meet all requirements of the ASSE 6040 Section 40-3.2 before being eligible for the examination or certificate:

1. The candidates for the ASSE 6040 certification shall be employed or contracted by a health care facility or be actively engaged in working with medical gas systems and shall have a minimum of (1) one year of documented practical experience in the verification of medical gas system.
2. They shall take a minimum 24-hour training course covering the ASSE Standard 6040 and applicable sections of the NFPA 99 pertaining to medical gas and vacuum. Course instruction shall be conducted by a Medical Gas Systems Instructor with a valid ASSE 6050 certificate.

6.2.1 Documentation required from the applicant:

- Legible copy of proof of completion of required 24-hour training including:
 - o The ASSE 6050 instructor's
 - Name and signature
 - ASSE 6050 License number and issuer
 - o Date of completed training
 - o Length of training (hours)
 - o Training material covered must be in accordance with the ASSE/IAPMO/NSI Series 6000 Professional Qualifications Standard for Medical Gas System Personnel.
- Details of employment prerequisites

6.2.2 Examination Information:

For security and impartiality, all examinations by MyMedGas Credentialing are administered online through their testing software. The applicant will be notified immediately after completion of their score and if it meets the minimum passing grade, a formal email will also be sent with the applicants' examination results. If the applicant is unable to complete the online exam for any reason or a provision is requested, please contact us at credentials@mymedgas.com.

Table 6.1: Exam Specifications

Examination for:	ASSE 6040 – Medical Gas Systems Maintenance Personnel
Maximum allowable time:	2 hours (120 minutes)
Number of questions:	100
Material covered:	<ul style="list-style-type: none">- ASSE 6040- Applicable sections of the NFPA 99 pertaining to medical gas and vacuum
Minimum passing grade:	70%
Maximum number of attempts:	3 (Three)
Exam platform:	Online only
Open or closed book:	Open book, applicants are highly encouraged to have a copy of the NFPA 99 code book

The examination consists of a bank of questions categorized into various topics. The questions within these topics are randomized for every applicant.

6.3 Certification process:

This certification is administered in accordance with the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*. Copies of this standard are available directly from the ASSE website at <https://www.asse-plumbing.org/> or by phone at (708) 995-3019.

Upon successful completion of the required training, exam(s) and approval of certification requirements, the applicant will be eligible for a certificate. Upon approval from MyMedGas Credentialing, the candidate will be issued a certificate showing they have successfully met the requirements as set forth by the ASSE Series 6000 – 6040 Medical Gas System Maintenance Personnel. This certificate will be valid for 3 years from the issuing date. For more details about the certification format please see [section 1.9](#).

7.0 ASSE 6050 – Medical Gas Systems Instructors

7.1 Scope and purpose:

This standard applies to any individual who trains or teaches installers, inspectors, verifiers, healthcare facility maintenance personnel and in some cases designers, regarding medical gas systems in health care facilities within the scope of NFPA 99, Health Care Facilities Code. Medical Gas Systems encompass those distributing USP gases, Medical-vacuum, WAGD and support gas piping systems.

The purpose of this standard is to provide minimum criteria, identified by industry consensus, for Medical Gas Systems Instructors to ensure compliance with the referenced standards in Section 50-1.4 of the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*.

MyMedGas Credentialing will test the competence of the applicant to meet the minimum required level of ASSE 6050 Section 50-3.2. Upon successful completion of the required exam(s) and approval of certification requirements, the applicant will be eligible for a certificate.

7.2 Certification requirements:

The applicant shall meet all requirements of the ASSE 6050 Section 50-3.2 before being eligible for the examination or certificate:

1. The candidates for the ASSE 6050 certification shall have a minimum of (10) ten years of documented practical experience in the installation of plumbing or mechanical piping systems, including (2) two years of documented experience in the installation of medical gas and vacuum systems. Instructors shall have a minimum of (2) two years of documented practical teaching experience. Instructors shall possess a current Medical Gas Systems Installer certification in compliance with ASSE Standard 6010.
2. They shall take a minimum 40-hour training course covering the ASSE Standards 6010,6020,6030,6040,6050, 6060 and applicable sections of the NFPA 99, NFPA 55 and CGA M-1. Course instruction shall be conducted by a Medical Gas Systems Instructor with a valid ASSE 6050 certificate.

7.2.1 Documentation required from the applicant:

- Legible copy of proof of completion of required training 40-hour training including:
 - o The ASSE 6050 instructor's
 - Name and signature
 - ASSE 6050 License number and issuer
 - o Date of completed training
 - o Length of training (hours)
 - o Training material covered must be in accordance with the ASSE/IAPMO/NSI Series 6000 Professional Qualifications Standard for Medical Gas System Personnel.
- Details of employment prerequisites

7.2.2 Examination Information:

For security and impartiality, all examinations by MyMedGas Credentialing are administered online through their testing software. The applicant will be notified immediately after completion of their score and if it meets the minimum passing grade, a formal email will also be sent with the applicants' examination results. If the applicant is unable to complete the online exam for any reason or a provision is requested, please contact us at credentials@mymedgas.com.

Table 7.1: Exam Specifications

Examination for:	ASSE 6050 – Medical Gas Systems instructor
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Maximum allowable time:	3 hours (180 minutes)
Number of questions:	100
Material covered:	<ul style="list-style-type: none">- ASSE 6010, 6020, 6030, 6040, 6050, 6060- Applicable sections of the NFPA 99, NFPA 55 and CGA M-1.
Minimum passing grade:	85%
Maximum number of attempts:	3 (Three)
Exam platform:	Online only
Open or closed book:	Open book, applicants are highly encouraged to have a copy of the NFPA 99 code book

The examination consists of a bank of questions categorized into various topics. The questions within these topics are randomized for every applicant.

7.3 Certification process:

This certification is administered in accordance with the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*. Copies of this standard are available directly from the ASSE website at <https://www.asse-plumbing.org/> or by phone at (708) 995-3019.

Upon successful completion of the required training, exam(s) and approval of certification requirements, the applicant will be eligible for a certificate. Upon approval from MyMedGas Credentialing, the candidate will be issued a certificate showing they have successfully met the requirements as set forth by the ASSE Series 6000 – 6050 Medical Gas System Instructor. This certificate will be valid for 3 years from the issuing date. For more details about the certification format please see [section 1.9](#).

8.0 ASSE 6060 – Medical Gas Systems Designer

8.1 Scope and purpose:

This standard applies to any individual who designs medical gas systems, new or existing, including the layout, sizing, and selection of equipment and piping, location of medical gas outlet/vacuum inlets and assessments of existing systems for resizing or replacement. Medical gas systems and equipment covered in this standard include those in health care facilities within the scope of NFPA 99, Health Care Facilities Code. Medical Gas Systems encompass those distributing USP gases, Medical-vacuum, WAGD and support gas piping systems.

The purpose of this standard is to provide minimum criteria, identified by industry consensus, for Medical Gas Systems Designer to ensure compliance with the referenced standards in Section 50-1.4 of the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*.

MyMedGas Credentialing will test the competence of the applicant to meet the minimum required level of ASSE 6060 Section 60-3.2. Upon successful completion of the required exam(s) and approval of certification requirements, the applicant will be eligible for a certificate.

8.2 Certification requirements:

The applicant shall meet all requirements of the ASSE 6060 Section 60-3.2 before being eligible for the examination or certificate:

1. The candidates for the ASSE 6060 certification shall have (2) two years of documented experience in the mechanical and plumbing systems industry and require practical knowledge of the design of medical gas and vacuum systems.
2. They shall take a minimum 32-hour training course covering the ASSE Standards 6060, the essential requirements for NFPA 99, NFPA 55, FGI Guidelines and elements of design. Course instruction shall be conducted by a Medical Gas Systems Instructor with a valid ASSE 6050 certificate. and/or by any person with a minimum of 10 years documented experience in the mechanical and plumbing industry and a minimum of 5 years documented design experience in medical gas and vacuum systems.

8.2.1 Documentation required from the applicant:

- Legible copy of proof of completion of required 32-hour training including:
 - o The ASSE 6050 instructor's
 - Name and signature
 - ASSE 6050 License number and issuer
 - o Date of completed training
 - o Length of training (hours)
 - o Training material covered must be in accordance with the ASSE/IAPMO/NSI Series 6000 Professional Qualifications Standard for Medical Gas System Personnel.
- Details of employment prerequisites

8.2.2 Examination Information:

For security and impartiality, all examinations by MyMedGas Credentialing are administered online through their testing software. The applicant will be notified immediately after completion of their score and if it meets the minimum passing grade, a formal email will also be sent with the applicants' examination results. If the applicant is unable to complete the online exam for any reason or a provision is requested, please contact us at credentials@mymedgas.com.

Table 8.1: Exam Specifications

Examination for:	ASSE 6060 – Medical Gas Systems Designer
Maximum allowable time:	3 hours (180 minutes)
Number of questions:	100
Material covered:	<ul style="list-style-type: none"> - ASSE 6010, 6020, 6030, 6040, 6050 - Applicable sections of the NFPA 99, NFPA 55 and CGA M-1. - A minimum of 50% of the questions shall include practical design exercises requiring the use of the design principles and application of the rules in NFPA 99, NFPA 55, and FGI guidelines.
The written exam shall demonstrate the core competencies in:	<ul style="list-style-type: none"> A. Designing category space requirements B. Placement of medical gas outlet/vacuum inlets, valves and alarms all gas and vacuum systems as required by FGI Guidelines and NFPA 99 C. Use of design principles and application of the rules for piping layout complete with sizing for medical gas systems
Minimum passing grade:	70%
Maximum number of attempts:	3 (Three)
Exam platform:	Online only
Open or closed book:	Open book, applicants are highly encouraged to have a copy of the NFPA 99 code book

The examination consists of a bank of questions categorized into various topics. The questions within these topics are randomized for every applicant.

8.3 Certification process:

This certification is administered in accordance with the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*. Copies of this standard are available directly from the ASSE website at <https://www.asse-plumbing.org/> or by phone at (708) 995-3019.

Upon successful completion of the required training, exam(s) and approval of certification requirements, the applicant will be eligible for a certificate. Upon approval from MyMedGas Credentialing, the candidate will be issued a certificate showing they have successfully met the requirements as set forth by the ASSE Series 6000 – 6060 Medical Gas System Designer. This certificate will be valid for 3 years from the issuing date. For more details about the certification format please see [section 1.9](#).

9.0 Recertification of existing ASSE 6000 Series credentials:

9.1 Scope and purpose:

The ASSE 6000 series credentials are valid for 3 years from the original issue date, unless the issuing credential body has revoked it for any reason. To recertify your credential the applicant must meet the specific requirements and prerequisites for that specific certification set out in the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*.

In addition to the recertification requirements below the applicant must also provide proof by way of the document, or picture, of their current (non-expired) ASSE 6000 series certification, from an approved credentialing body, that they are applying to recertify. MyMedGas Credentialing may validate the credential with the issuing body and at its sole discretion accept or deny the proof of current certification.

9.2 Certificates: 6005, 6020, 6030, 6040

- **ASSE 6005 (newest edition) – Medical Gas Systems Generalist – Recertification Section 5-4.2**
- **ASSE 6020 (newest edition) – Medical Gas Systems Inspector – Recertification Section 20-4.2**
- **ASSE 6030 (newest edition) – Medical Gas Systems Verifier – Recertification Section 30-3.3**
- **ASSE 6040 (newest edition) – Medical Gas Systems Maintenance Personnel – Recertification Section 40-3.3**
- **ASSE 6050 (newest edition) – Medical Gas Systems Instructors – Recertification Section 50-3.2**
- **ASSE 6060 (newest edition) – Medical Gas Systems Designer – Recertification Section 60-3.3**
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9.2.1 Certification requirements

1. The applicant shall hold a current, non-expired, certificate of one of the above ASSE 6000 Series from a recognized issuing body.
 - a. If the credentials expiration date is less than <90 days in the future, then MyMedGas Credentialing will issue the new credential from the future date of their current certificate expiration.
 - b. If the credentials expiration date is greater than >90 days in the future, then MyMedGas Credentialing will issue the new credential from their certificate date plus 90 days (3yr + 90 days).
 - c. MyMedGas Credentialing has a 1 year “grace period” in which it will accept expired proof of certification for up to 365 days after the original expiration date to the new Issued Date (Typically the successful completion date of all exams and prerequisites). If the applicant's certificate is > 365 days expired then they must satisfy all of the prerequisites of that particular course (including retaking the full training course) and take the required examination(s) for that specific course.
2. The applicant shall take a minimum 4-hour training course for subsequent editions of NFPA 99. And where required NFPA 55, FGI Guidelines and CGA M-1. Course instruction shall be conducted by a Medical Gas Systems Instructor with a valid ASSE 6050 certificate.

9.2.2 Documentation required from the applicant:

- Legible copy of the applicant's current credential from a recognized issuing body.
- Legible copy of proof of completion of required training 4-hour training including:
 - o The ASSE 6050 instructor's
 - Name and signature
 - ASSE 6050 License number and issuer
 - o Date of completed training
 - o Length of training (hours)
 - o Training material covered must be in accordance with the ASSE/IAPMO/NSI Series 6000 Professional Qualifications Standard for Medical Gas System Personnel.

9.2.3 Examination Information:

For security and impartiality, all examinations by MyMedGas Credentialing are administered online through their testing software. The applicant will be notified immediately after completion of their score and if it meets the minimum passing grade. A formal email will also be sent with the applicants' examination results. If the applicant is unable to complete the online exam for any reason or a provision is requested, please contact us at credentials@mymedgas.com.

Table 9.1

Certificate	Maximum allowable time	Minimum number of questions	Questions shall cover the following sections	Minimum passing grade
ASSE 6005	60 minutes	25	NFPA 99 pertaining to medical gas and vacuum systems	70%
ASSE 6020	60 minutes	25	NFPA 99 pertaining to medical gas and vacuum systems	70%
ASSE 6030	60 minutes	25	NFPA 99 pertaining to medical gas and vacuum systems	85%
ASSE 6040	60 minutes	25	ASSE 6040 and maintenance-related sections of NFPA 99 pertaining to medical gas and vacuum systems	70%
ASSE 6050	60 minutes	25	NFPA 99 pertaining to medical gas and vacuum systems	85%
ASSE 6060	60 minutes	25	NFPA 99 pertaining to medical gas and vacuum systems and demonstrating knowledge of the differences between the editions and standards.	70%

9.3 Certificates: 6010

- **ASSE 6010- (newest edition) – Medical Gas Systems Installer – Recertification Section 10-3.3**

9.3.1 Certification requirements:

1. The applicant shall hold a current, non-expired, certificate of one of the above ASSE 6000 Series from a recognized issuing body.

- a. If the credentials expiration date is <90 days in the future, then MyMedGas Credentialing will issue the new credential from the future date of their current certificates' expiration.
 - b. If the credentials expiration date is >90 days in the future, then MyMedGas Credentialing will issue the new credential from their certificate date plus 90 days (3yr + 90days).
 - c. MyMedGas Credentialing has a 1 year "grace period" in which it will accept expired proof of certification for up to 365 days after the original expiration date to the new Issued Date (Typically the successful completion date of all exams and prerequisites). If the applicant's certificate is outside of the grace period, then they must retake the applicable course and pass the prerequisites and exam in order to receive a new certification.
2. The applicant shall take a minimum 4-hour training course for subsequent editions of NFPA 99. Course instruction shall be conducted by a Medical Gas Systems Instructor with a valid ASSE 6050 certificate.
 3. Installers must also be qualified in accordance with either Section IX, "Welding and Brazing Qualifications", of the *ASME Boiler and Pressure Vessel Code*, or AWS B2.2/B2.2M, *Specification for Brazing Procedure and Performance Qualification*, both as modified by NFPA 99-2024 5.1.10.11.11.2 through 5.1.10.11.11.5.

9.3.2 Documentation required from the applicant:

- Legible copy of the applicant's current credential from a recognized issuing body.
- Legible copy of proof of completion of required training 4-hour training including:
 - o The ASSE 6050 instructor's
 - Name and signature
 - ASSE 6050 License number and issuer
 - o Date of completed training
 - o Length of training (hours)
 - o Training material covered must be in accordance with the ASSE/IAPMO/NSI Series 6000 Professional Qualifications Standard for Medical Gas System Personnel.
- Signed and dated QB-322 brazing continuity form ([1316009003-Continuity QB-322](#)) showing continuity of brazing every 6 months since the issue date of their current certificate.
 - o If the QB-322 submitted is from the external company, then the applicant's employer shall provide a signed affidavit form ([1316009004-Continuity Affidavit QB-322](#)) with their continuity records. Acceptance of the QB-322 form is at the sole discretion of MyMedGas Credentialing. If the QB-322 is not provided, or not accepted for any reason, then the applicant must retake the practical brazing exam and have the coupons pass the required 3rd party testing. NOTE: MyMedGas Credentials can administer the practical exam and 3rd party testing however, an extra charge will be applied.

9.3.3 Examination Information:

For security and impartiality, all examinations by MyMedGas Credentialing are administered online through their testing software. The applicant will be notified immediately after completion of their score and if it meets the minimum passing grade, a formal email will also be sent with the applicants' examination results. If the applicant is unable to complete the online exam for any reason or a provision is requested, please contact us at credentials@mymedgas.com.

Table 9.2

Certificate	Maximum allowable time:	Minimum number of questions	Questions shall cover the following sections	Minimum passing grade
ASSE 6010	60 minutes	25	NFPA 99 pertaining to medical gas and vacuum systems	70%

9.4 Certification process:

This certification is administered in accordance with the ASSE/IAPMO/ANSI Series 6000 *Professional Qualifications Standard for Medical Gas System Personnel*. Copies of this standard are available directly from the ASSE website at <https://www.asse-plumbing.org/> or by phone at (708) 995-3019.

Upon successful completion of the required training, exam(s) and approval of certification requirements, the applicant will be eligible for a certificate. Upon approval from MyMedGas Credentialing, the candidate will be issued a certificate showing they have successfully met the requirements as set forth by the ASSE Series 6000 to “recertify” an expiring credential. For details about the certification format please see [section 1.9](#).

10.0 Migration from external credential institutions:

10.1 Scope and purpose:

In some cases, a certificate holder (or employer) may choose to transfer their certificate(s) to one issuing credential body. In this case, MyMedGas Credentialing may accept proof of current (non-expired) credentials and may transfer them to MyMedGas Credentialing. MyMedGas Credentialing will only migrate the certificates listed under [section 9.2](#) below. Upon approval from MyMedGas Credentialing, the candidate will be issued a certificate showing their certificate and original issuing body reference (ID, #).

10.2 Certificates: 6005, 6010, 6020, 6030, 6040, 6050, 6060

- **ASSE 6005 (newest edition) – Medical Gas Systems Generalist – Recertification Section 5-4.2**
- **ASSE 6010- (newest edition) – Medical Gas Systems Installer – Recertification Section 10-3.3**
- **ASSE 6020 (newest edition) – Medical Gas Systems Inspector – Recertification Section 20-4.2**
- **ASSE 6030 (newest edition) – Medical Gas Systems Verifier – Recertification Section 30-3.3**
- **ASSE 6040 (newest edition) – Medical Gas Systems Maintenance Personnel – Recertification Section 40-3.3**
- **ASSE 6050 (newest edition) – Medical Gas Systems Instructors – Recertification Section 50-3.2**
- **ASSE 6060 (newest edition) – Medical Gas Systems Designer – Recertification Section 60-3.3**

10.2.1 Migration requirements

1. The applicant shall hold a current, non-expired, certificate of one of the above ASSE 6000 Series from a recognized issuing body.

10.2.2 Documentation required from the applicant:

- Legible copy of the applicant's current credential from a recognized issuing body. Including:
 - o Issuing body legal name.
 - o ASSE 6000 Series Course information.
 - o Full name of certificate holder.
 - o Expiration date.
 - o Signature of the authorized individual from the issuing body.