



INSPECTION • TESTING • CERTIFICATION

ISO 9001:2000 CERTIFIED



ANSI Accredited Program
PERSONNEL CERTIFICATION

CANDIDATE BULLETIN

MEDICAL GAS INSTALLER/BRAZER CERTIFICATION

Certification ID # 0645

ABOUT N. I. T. C.

The National Inspection, Testing and Certification Corporation (NITC) is an internationally recognized third party personnel certification agency. NITC is ISO 9002-94 certified and is an ANSI accredited Certifier - Accreditation Number 0645 in the following scope: Firesprinkler Fitter Mastery Certification, HVAC Mastery Certification, Journeyman Pipefitting/Steamfitting, Journeyman Plumber, Medical Gas Inspector, Medical Gas Installer, Medical Gas Instructor and Medical Gas Verifier. NITC is non-discriminatory in accepting applications and issuing certifications to candidates in regards to membership in any trade, association, union, etc., and is in compliance with Federal and State ADA regulations.

QUALIFICATION REQUIRMENTS

Candidates must have completed thirty-two (32) hours of training in the installation of medical gas pipeline systems and have a minimum of four years experience in the installation of piping systems. This certification is administered in accordance with the American Society of Sanitary Engineers (ASSE) Series 6000 Standard 6010. You can obtain a copy of this standard by contacting ASSE at (440) 835-7040, or at asse-plumbing.org

FEES FOR EXAMINATION

The fee for the installer/brazer examination is one hundred-Eight dollars (\$108.00). The fee for retesting on both the written and brazing examination is also one hundred-five dollars (\$108.00). The fee for retesting on the written portion only is one hundred-five dollars (\$108.00). The fee for retesting on the brazing portion only is sixty-eight dollars (\$68.00).

This fee paid by
Andersen Medical

APPLICATION PROCEDURES

Candidates must complete an application and return it to the NITC office. In addition to information that verifies eligibility, the application contains a code of conduct that certified persons must abide by and the regulations upon which this certificate may be suspended or withdrawn. Applications can be obtained from the NITC office or from the NITC web page at nationalitc.com.

Exhibit # 2 Rev 02-18-08 (CAND_BULL.mginstaller).doc

EXAMINATION SCHEDULING

Examinations are scheduled and administered at specific times, dates and locations by NITC, or as specifically required by clients. Please contact NITC for more information about examination scheduling.

ABOUT THE EXAMINATION

This examination is covered under NITC's scope of accreditation by the American National Standards Institute (ANSI). The medical gas installer/brazer certification examination consists of two portions: a proctored, closed book multiple-choice written examination with one hundred (100) question and a brazing examination.

Candidates must answer seventy five percent (75%) of the questions correctly on the written portion to achieve a passing grade. The written portion is based on information contained in the NFPA 99C, NFPA 50, and the ASSE Series 6000 Standard 6010.

For the brazing portion of the examination, candidates must successfully pass a brazing examination in accordance with the American Society of Mechanical Engineers (ASME) Section IX, Welding and Brazing Qualifications Standard. The brazing portion of the medical gas installer's certification requires that the candidate braze two joints of a horizontal coupling and two up-flow joints of a vertical coupling. The copper tube shall be 1 ½" NPS (Type "L") and the coupling shall be 1 ½" standard "stop" coupling. The braze coupons are examined by American Welding Society (AWS) certified welding inspectors (CWI's) to the ASME section IX brazing performance qualification standard.

An NITC approved proctor administers the written portion of the examination and witnesses the brazing portion at approved testing locations. Candidates are notified of a pass or fail result in writing by NITC, the training agency, or by the association that requested the examination.

Candidates failing to achieve a passing score will be eligible for re-examination as soon as the next examination is scheduled. Candidates may take written examinations at the NITC offices. Brazing examinations must be taken at an approved welding/brazing testing facility. Re-examination of the written portion and the brazing portion requires the submittal of one hundred-eight dollars (\$108.00).

Examination scores will be divulged in writing only to the examinee, or to the appropriate source. **NOTE: No PDAs, cellular telephones, wrist watches, or any other types of devices that record data are allowed to be used during the examination.**

SPECIAL REQUESTS FOR TAKING THE EXAMINATION

Requests for special/emergency examinations will be accommodated by NITC if possible. Candidates that have a disability that restricts their ability to take an examination under the standard conditions may request special testing arrangements. Such requests must accompany the application, and must be received by the normal application closing date. The request should indicate the nature of the disability and the special accommodations needed. Verification of both the disability and the need for special accommodations by a licensed medical professional may be required.

QUESTION CHALLENGES

Any candidate may challenge, at the conclusion of the examination, any question(s) by completing the question challenge form that is provided in the proctor's examination package. Candidates must request the question challenge form from the proctor.

APPEALS PROCEDURE

Candidates may appeal a score of an examination. Appeals shall be filed in writing and received via U.S. Mail, facsimile, or email no later than thirty (30) days from the receipt of the examination score.

RENEWAL OF CERTIFICATION

Keeping this certification current and notifying NITC of changes in address, is the responsibility of the certified person. Renewal of the written portion of this certification can be accomplished by successfully passing a forty (40) question, multiple choice "open book" written examination within thirty (30) days of the expiration date of your certification.

The written renewal portion is based on the most current edition of the NFPA 99C, NFPA 50 and ASSE Series 6000 Standard section 6010. This can be mailed to certified individuals or administered by a training agency, employer or association. Certified individuals, who have not renewed their written certification within thirty (30) days after the expiration date, must take the proctored one hundred (100) question written examination.

Renewal of the brazing portion of this certification can be accomplished by using the brazing process at least once within six (6) months, or one hundred and eighty (180) days, and submitting a continuity of brazing form per ASME section IX performance qualifications (QB322) to NITC prior to the expiration date of the brazing certification.

Certified persons who have not brazed a joint within a six (6) month time period from date of issuance of the certification, must recertify by successfully performing another brazing qualification. This can be accomplished by brazing one (1) side of a vertical joint in the "upflow" position. The same type of copper tube, coupling and process used in the initial brazing examination must be used. An approved proctor, authorized testing representative or other approved individual must witness this process.

More information about re-certifying for brazing can be found on the NITC web page at **nationalitc.com** or by contacting the NITC offices.

Failure to pass a re-certification examination twice in the written or brazing portion may result in NITC requiring that the candidate take a “refresher course” or other type of training before re-taking the examination.

ISSUANCE OF WALL CERTIFICATES AND CERTIFICATION CARDS

Upon successful completion of the NITC Medical Gas Installer Certification examination, an official letter form NITC will be issued. ***NOTE: IN SOME CASES A WALL CERIFICATE AND WALLET CARD ARE ISSUED BY NITC, AND IN SOME CASES THEY ARE ISSUED BY A CITY, COUNTY, STATE, INDUSTRY ASSOCIATION, OR UNION.***

The Medical Gas Installer-Brazer certification is valid for three years; however, the brazing continuity must be maintained during this period. For brazing renewals that are required every six (6) months, only wallet-sized cards will be issued.

A fifteen dollar (\$15.00) fee will be assessed for requesting a duplicate of either the wall certificate or wallet-sized certification card.

HOW TO OBTAIN THE RULES AND PROCEDURES DOCUMENT

The NITC Medical Gas Installer/Brazer Certification Program is governed by Rules and Procedures. A copy of the Rules and Procedures of the NITC Personnel Certification Program is available on the website at **nationalitc.com**, and also upon request from the NITC Headquarters.

National ITC Corporation
501 Shatto Place, Suite 201
Los Angeles, CA 90020

Phone: (213) 380-6482
Fax: (213) 351-7632
www.nationalitc.com