

UST/AST Examination Information Bulletin

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VALID January—February 2012

This edition supersedes all previous bulletin editions, and is valid only through the dates noted above.

**International Code Council
Certification and Testing Department
Birmingham District Office
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Birmingham, AL 35213**

1-888-ICC-SAFE (422-7233), ext. 5524

www.iccsafe.org/ust-ast

About this bulletin:

Please read and understand this bulletin in its entirety prior to registering for an exam. The answers to most questions raised by candidates can be found in this document. This bulletin is a useful reference throughout your registration and examination process.

SUMMARY OF BULLETIN CHANGES

| Date of Change | Section Affected | Revision |
|-----------------------|-------------------------|--|
| January 1, 2012 | Test Site Regulations | Revised list of acceptable items at test site |
| January 1, 2012 | Computer-based Testing | Revised payment options |
| January 1, 2012 | UST-AST Examinations | Updated PEI RP 100, 300, and 500 references to 2011 editions |
| January 6, 2012 | UST-AST Examinations | Corrected year of reference for PEI RP 300 |
| January 25, 2012 | UST-AST Examinations | Added information on upcoming exams |
| January 25, 2012 | UST-AST Examinations | Added references on VA and VB exams |
| January 27, 2012 | UST-AST Examinations | Revised launch date of Michigan exams |
| | | |

How do I . . .

| | |
|---|---|
| • schedule an exam? | Visit www.pearsonvue.com/icc or call Pearson VUE at 1-800-275-8301 |
| • change my name or address? | Fax or mail ICC a letter containing your name, old and new addresses, contact phone number, and signature ; ICC will advise if additional documentation is needed |
| • request a wall certificate (new)? | Visit www.iccsafe.org/inspector for a request application |
| • request a duplicate wallet card or wall certificate? | Visit www.iccsafe.org/inspector for a request application |
| • review an exam I failed? | See page 13 for more information on the exam feedback and appeals process |
| • request special testing accommodations? | Call Pearson VUE at 1-800-466-0450 and ask for special arrangements |
| • make comments about an exam I took? | See page 13 for more information on the exam feedback and appeals process |
| • reschedule an exam? | Call Pearson VUE at 1-800-275-8301 prior to your scheduled exam—see page 22 for deadlines |
| • cancel an exam? | Call Pearson VUE at 1-800-275-8301 prior to your scheduled exam—see page 22 for deadlines |
| • find my exam code (ID)? | See pages 24-44 for the exam outline listings in this bulletin |
| • know what I can take into the exam? | See page 17 for the Test Site Regulations section |
| • obtain the books for my exam? | Most references can be purchased at www.iccsafe.org/store ; more information is found in the exam outline listings starting on page 24 |
| • access my certification information on ICC's website? | Log into www.iccsafe.org with your e-mail address and zip code currently on record with ICC—see page 13 for more details |

You are welcome to use any of the checklists and summaries of information within this bulletin to familiarize yourself with the testing process, but be sure to read this bulletin in its entirety prior to scheduling your examination. You are responsible for following all policies and regulations found in this document, and not reading this bulletin does not relieve your responsibility for following all procedures herein.

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International Code Council Vision

Protecting the health, safety, and welfare of people
by creating better buildings and safer communities.

International Code Council Mission

Providing the highest quality codes, standards, products, and services
for all concerned with the safety and performance of the built environment.

Information contained in this bulletin is deemed accurate as of the time of printing.

Contents are subject to change at any time.

For the most updated information, visit www.iccsafe.org/ust-ast.

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Note: Certification and examination requirements, including registration/scheduling, dates, locations, fees, and references are subject to change. Please make sure that you have the most current information before registering for/scheduling any examination. For up-to-date information on Code Council certification and examinations, go to www.iccsafe.org/ust-ast or call 1-888-ICC-SAFE (422-7233), ext. 5524.

About Code Council Certification

The Code Council certification program is the oldest, largest, and most prestigious credentialing program for construction code administration and enforcement professionals in the United States. Code Council certification examinations are maintained to the highest standards and include continuous review by committees of experienced professionals.

Becoming Code Council-certified is a significant personal and professional accomplishment, and is a key step toward enhanced professional stature. Code Council certificate holders demonstrate a confirmed commitment to protect the public health, safety, and welfare.

Certification and examination information, including registration/scheduling requirements, dates, locations, fees, and references, are subject to change. **Candidates should make sure they have the most current information before registering for/scheduling a Code Council examination by going to www.iccsafe.org/ust-ast.**

The ICC UST/AST Certification Examination Program

Petroleum storage tanks are regulated by federal and state laws. Many states require that tank workers be licensed or certified before being allowed to install, retrofit or decommission UST and/or AST systems or components. Code Council UST/AST examinations can be used to complement state licensing programs. In some states, individuals are required to pass state-specific examinations.

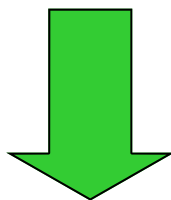
The program is used as a mandatory requirement in whole or in part by the states of Arizona, Alaska, California, Colorado, Georgia, Illinois, Indiana, Maryland, Nevada, New Hampshire, Oregon, Tennessee, Washington, Wisconsin, and Wyoming. It is available as a voluntary credential in several other states where there is not yet a mandatory UST or AST licensing requirement. Anyone seeking a state or local license should first contact the appropriate licensing agency regarding specific local requirements.

Certification and examination information, including registration/scheduling requirements, dates, locations, fees and references, are subject to change.

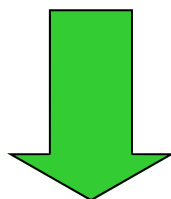
Candidates should make sure they have the most current information before registering for/scheduling a Code Council examination by going to www.iccsafe.org/ust-ast.

Steps to Achieving Code Council Certification

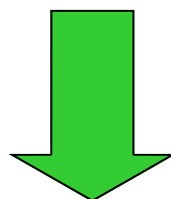
Read and understand the bulletin, which contains all of the information you'll need throughout the pre- and post-exam process



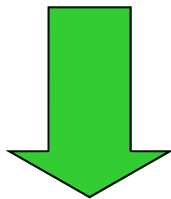
Determine which exam you want to take



Follow the registration requirements beginning on page 20 for computer-based testing



Obtain the approved references for the exam, and study these references well in advance of the exam

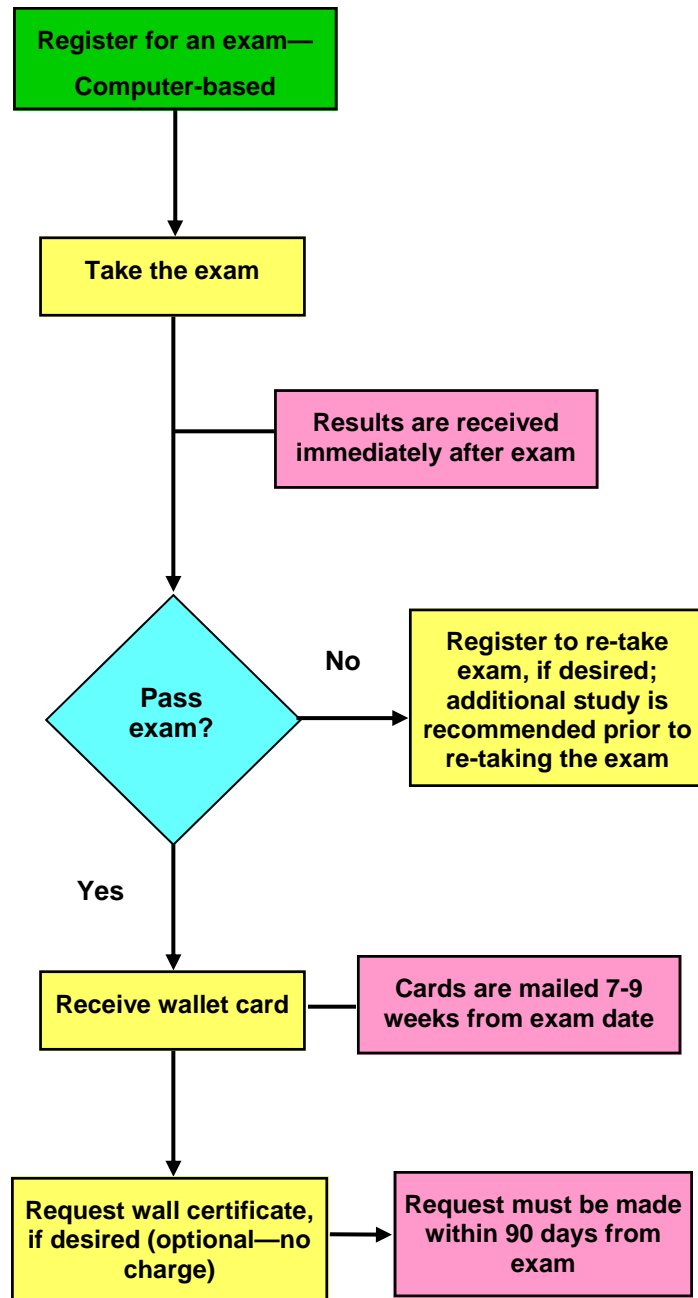


Pass the exam and meet any additional requirements, if applicable

Some certification categories may have additional requirements that include, but are not limited to, passing multiple examinations, education/work experience, submitting affidavits, and/or additional fees. Please be sure to thoroughly read the detailed information on those examinations you elect to take. For the most up-to-date requirements and detailed information on Code Council certification examinations, go to www.iccsafe.org/ust-ast.

Certification Examination Timeline

The timeline below will give you a general idea of how long it will take to achieve certification in most categories. Please remember that your experience may be shorter or longer than that below, dependent on individual circumstances.



Certification Categories

Below are Code Council UST/AST certification categories currently available, required examinations, and corresponding exam IDs.

| Exam ID | Certification/Examination | Page | Exam ID | Certification/Examination | Page |
|--|--|------|---------|--|------|
| National Certification Categories | | | | | |
| U1 | UST Installation/Retrofitting | 24 | PR | PSCAA Vapor Recovery System Installation and Repair | 37 |
| U2 | UST Decommissioning | 25 | PT | PSCAA Vapor Recovery System Testing | 37 |
| U3 | UST Underground Tank Tightness Testing | 25 | RA | Rhode Island Class A UST System Operator** | 38 |
| U4 | UST Cathodic Protection | 26 | RB | Rhode Island Class B UST System Operator** | 38 |
| U5 | AST Installation/Retrofitting | 26 | YA | Utah Class A UST System Operator | 39 |
| AU | Class A UST System Operator | 27 | YB | Utah Class B UST System Operator | 40 |
| BU | Class B UST System Operator | 27 | VI | Vapor Recovery System Installation and Repair | 40 |
| State Specific Certification Categories | | | | | |
| U0 | State of Alaska UST Laws and Rules | 28 | VR | Vapor Recovery System Repair | 41 |
| UI | California UST Inspector | 28 | VT | Vapor Recovery System Testing and Repair | 41 |
| UT | California UST Service Technician | 29 | VA | Vermont Class A UST System Operator | 42 |
| UC | California UST System Operator [Designated UST Operator] | 30 | VB | Vermont Class B UST System Operator | 42 |
| UA | Colorado Class A UST System Operator | 30 | U7 | Washington State Site Assessment | 43 |
| UB | Colorado Class B UST System Operator | 31 | WA | Wisconsin Class A UST System Operator | 44 |
| TA | Connecticut Class A UST System Operator** | 31 | WB | Wisconsin Class B UST System Operator | 44 |
| TB | Connecticut Class B UST System Operator** | 32 | W5 | Wyoming State Specific Class B AST Operator | 45 |
| GA | Georgia System Operator | 32 | W6 | Wyoming State Specific Class A Storage Tank Operator | 45 |
| MA | Maryland Class A UST System Operator | 33 | | | |
| MB | Maryland Class B UST System Operator | 33 | | | |
| NA | Michigan Class A UST System Operator** | 34 | | | |
| NB | Michigan Class B UST System Operator** | 34 | | | |
| HA | New Hampshire Class A UST System Operator | 35 | | | |
| HB | New Hampshire Class B UST System Operator | 35 | | | |
| U8 | Oregon Heating Oil Tank Supervisor | 36 | | | |

** = coming January/February 2012

Administrative Rules and Procedures

How often can I take an exam?

During any six (6) month period and for any one certification category, you may take the exam a total of two(2) times, if necessary, to pass the exam. You will be responsible for payment of the exam fee for every exam you take.

Taking the examination in one category has no effect on testing for the six-month period for another category. For example, if you take the Installation/Retrofitting examination and fail it, you would be allowed to take the Tank Tightness Testing examination, for example, without regard to the six-month period for your Installation/Retrofitting examination.

How is my exam scored?

What is a passing score? A passing score is the score set by the ICC and/or with the Exam Development Committee (EDC) as the minimum score needed to pass the exam. This score is technically called a scale score and is generally set at 75. If your exam has a different passing score, it will be noted in the exam listings section of this bulletin.

How is a passing score set? A passing score is set as part of the process at the Exam Development Committee. This part of the process involves setting item-level cut-scores, using the expert judgment of the Subject Matter Experts (SMEs) who are at the EDC. These experts determine what the minimum is that the candidate needs to know in order to obtain the certificate, and a passing score. If you'd like to participate as an SME, visit www.iccsafe.org/certification and click on "Exam Development Committees."

What is a scale score? A scaled score transforms a raw test score (the number of test questions answered correctly) into other measurement units, called a scale score. However, please know that a scale score is not the number of questions answered correctly, nor the percentage of questions answered correctly.

Is the current test more or less difficult than prior tests, or future tests? There are multiple forms of the ICC examinations. While these forms were developed from the same set of content specifications, the levels of difficulty of the forms will vary because different exam questions appear on different forms. Some of these questions by their nature (and designated in the cut-score) are more difficult than others, even though they pertain to the same section of the exam. It would be unfair to require a candidate taking a collection (form) of somewhat more difficult questions to answer as many questions correctly as a candidate who took an easier form. So, we use a statistical procedure known as scaling to correct for differences in test form difficulty.

Think of it this way. Let's say an elementary school hired the ICC to create an exam to test for knowledge of aspects of mathematics. Further, let's say the exam was called "Addition and Subtraction," and the Exam Information Bulletin states it is a 100-item exam.

Look at the first ten questions of two different exam forms, both of which measure the concept of "Addition and Subtraction":

| Question | Exam Form 1 | Question | Exam Form 2 |
|----------|-------------|----------|-------------|
| 1. | $2 + 4 =$ | 1. | $6 + 9 =$ |
| 2. | $6 + 4 =$ | 2. | $16 + 26 =$ |
| 3. | $7 - 3 =$ | 3. | $18 - 16 =$ |
| 4. | $18 + 15 =$ | 4. | $23 + 99 =$ |
| 5. | $16 - 4 =$ | 5. | $86 - 44 =$ |
| 6. | $8 + 8 =$ | 6. | $5 + 1 =$ |
| 7. | $4 + 9 =$ | 7. | $29 + 88 =$ |
| 8. | $20 - 17 =$ | 8. | $74 - 67 =$ |
| 9. | $4 + 15 =$ | 9. | $48 + 96 =$ |
| 10. | $7 - 4 =$ | 10. | $55 + 38 =$ |

As you can see, the questions on Form 2 are a bit harder than the questions on Form 1. If these were both 100-item exam forms with such a continuing mix of items, it would be unfair to require the students who were administered Exam Form 2 to answer the same number of questions correctly in order to pass.

Why scale the scores? If we simply reported the total number of questions answered correctly (the raw score), there would be a different passing score for each form of the test (because of those differences in difficulty). This would be confusing to candidates. So, we convert these raw scores to a constant scale such that, say, the typically designated 75 continues as the minimum score required to pass regardless of the form administered, knowing the number of correct answers needed to pass varies from form to form and from year to year.

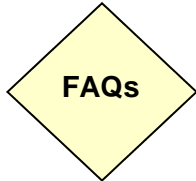
What is reported? Scaled scores of (typically) 75 or above are reported as PASS. The ICC does not report the numeric score; the score report simply indicates a passing score by saying PASS. Those who fail the exam are provided the numeric scaled score, along with diagnostic information of their performance on major content areas. This information is for self-evaluation only.

How might exam scores be cancelled?

On rare occasions, circumstances may render examination scores invalid. The Code Council reserves the right to cancel or withhold any examination scores if, in its sole opinion, there is adequate reason to question their validity. Reasons are:

1. Doubts may be raised about the validity of examinees' scores because of suspected misconduct, including but not limited to, giving or receiving help; using unauthorized notes, books, or papers; removing examination materials or notes from the examination room; attempting to take an examination for someone else; or inappropriately taking more than two CBT examinations within a single six-month period. In such circumstances, examinees will be expected to cooperate in an investigation of their scores. Such examinees will be notified of procedures developed by the Code Council to ensure fairness.

2. Some scores may be rendered invalid because of circumstances beyond the examinee's control, such as faulty examination materials or mistiming. These situations will be investigated; when such occurrences result in cancellation of an examinee's scores, the Code Council will arrange for a makeup examination for the examinees concerned.
3. The Code Council has implemented procedures to minimize the potential of negative conditions at the examination site such as bad lighting, excessive noise, or uncomfortable temperature conditions. In unlikely cases where such conditions may occur, the required passing score is not modified or changed. If a candidate finds unfavorable conditions at the examination site, we recommend the candidate immediately notify the proctor.



Does the Code Council require a candidate to have a certain level of experience or education before taking an examination?

No. Most Code Council examinations are open to all individuals with no prerequisite for experience or education. Code Council certification should be used as one of several measures of an individual's qualifications when screening applicants for a position. Inspectors should possess the right mix of technical knowledge, education, and related experience. Because proper weighting of the relative importance of these three qualifications is a subjective decision, determining the emphasis of Code Council certification is most appropriately performed at the local level by the building official. For this reason, the Code Council does not specify education or experience requirements for certification applicants for most categories.

Which exam(s) should I take?

As requirements for employment differ from jurisdiction to jurisdiction, the Code Council cannot recommend specific certifications to you. We strongly encourage you to contact the jurisdiction in which you wish to work for more information on their specific needs, and couple this information with the exam-specific listings in this bulletin.

What is the best way to prepare for an examination?

The best way to prepare for an examination is through the study of codes and standards. Code Council seminars, self-study workbooks, code commentaries, and textbooks may be helpful. Practice examinations for many categories are available for a fee from the Code Council at www.icccampus.org. These may be useful to those candidates who need to refresh their skills in taking exams. It is important to realize, though, that the difficulty level of the practice exams may not represent that of the actual Certification exam.

Sample questions are available for most exams at www.iccsafe.org/ust-ast; these items are similar to those used on the exams, but will never appear on any exam form. However, nothing can substitute for studying the code and on-the-job experience of code use and application. You must devote the time needed to understand the code and master the ability to apply it.

When can I test?

Computer-testing is administered frequently at over 250 sites across the nation. To get the most updated information, go to www.pearsonvue.com/icc.

How often can I test?

There is no mandatory waiting period before retaking a failed exam. However, it is strongly recommended that you allow time to study the approved references before registering to test a second time.

When will I receive my results?

Electronic exams:

Results for examinations taken electronically are available immediately after completion of the examination.

For most certification categories, candidates will automatically receive a Code Council wallet card within seven to nine weeks after they pass the examination. Some categories have additional requirements prior to receiving the full certification. Wall certificates are available upon request.

I didn't receive my pass letter or wallet card. Can I have another mailed to me?

Yes, but the item must be requested within 90 days from the date of the passed examination to have another mailed without a fee. If a resend of a pass letter or wallet card is requested after 90 days from the exam, a fee will be charged. For fees and other optional services, go to www.iccsafe.org/inspector.

What type of question format will be included in the examination?

Test questions are in four-option, multiple-choice format, with one answer on each question scored as correct. Due to the rigorous psychometric processes used by the Code Council in exam development, questions do not follow patterns (e.g., "the most common answer is 'B'").

How long are the examinations?

The length and allowed time varies depending upon the subject matter. To get the most updated information on examinations, go to www.iccsafe.org/ust-ast.

How many examinations can I take at one administration?

For computer-based exams, in most cases you may take two exams in one day, as long as each examination is only two hours in length.

Should I guess if I don't know the answer to a question?

There is no guessing penalty, so it is to your advantage to answer every question. Remember to base your answers on the listed references for each exam, not solely on long-time field practices.

How can I access my certification information on the ICC website?

Log into www.iccsafe.org with your e-mail address on record with ICC; your zip code on record is your password. Click on “My ICC” and then “My Certifications” on the navigation bar. Do not create a new account on the renewal site, as this new account will not link you to your existing information.

What exam score do I need to pass?

The passing score for most UST/AST exams is 75. If the exam you wish to take has a different passing score, this score will be noted in the exam listings starting on page 24.

When are exams updated to the newest codes?

Examinations are updated to the latest edition of the listed references as new versions are published and publicly available. ICC allows time for candidates to become familiar with the new references prior to publishing exams based on new editions. See the UST-AST Examinations section of this bulletin for more information on current exam references.

Who can see my candidate records?

The General Education Provisions Act, Section 438, as amended, and the regulations promulgated for the enforcement of the act, found at 45 Federal Register 30911 as amended at 45 Federal Register 86296, provide that all Code Council certification examination candidates have certain rights in relation to their educational records. To view the complete Certification Records Policy, visit the Code Council website at www.iccsafe.org/inspector.

Feedback and Appeals Process

ICC has developed a two-step process for test-takers to comment on or challenge the results of their exam. These are:

- 1) ICC Certification & Testing staff review, and
- 2) appeal to Exam Development Committee.

The form for providing feedback and starting the appeals process is available at the conclusion of your exam at Pearson VUE or on the ICC website at www.iccsafe.org/ust-ast.

If you re-take a failed exam on which you have submitted an appeal, you will forfeit your appeal opportunity for that exam.

Step 1: ICC Certification & Testing Staff Review

- Why:** To have ICC Certification & Testing staff review comments or challenges on specific exams or exam items
- How:** You must submit a Comment / Challenge form to ICC with your original signature (form available at www.iccsafe.org/ust-ast or upon request after your exam at a Pearson VUE test site); this form must contain a separate and complete statement of each item upon which your comments are based, and must be mailed to the following address:
- International Code Council
Candidate Services Coordinator
900 Montclair Road
Birmingham, AL 35213
- Fee:** None (\$0)
- Deadline:** You must submit the above form to ICC within 90 days following your exam date
- Response:** You will be mailed a response from ICC staff within 15 business days from receipt of the form by ICC; a request for staff review is based solely upon the most recent examination taken

Step 1 must be completed prior to Step 2.

Step 2: Appeal to Exam Development Committee (EDC)

- Why:** To appeal the results of the ICC Certification & Testing staff review to the EDC; you can read more about the EDC and their function at www.iccsafe.org/Membership/Pages/ExamDevelopmentCommittees.aspx
- How:** You must submit your request in writing to ICC, at the following address:
- International Code Council
Candidate Services Coordinator
900 Montclair Road
Birmingham, AL 35213
- Fee:** None (\$0)
- Deadline:** You must submit your written request within 30 days of the date of the ICC staff denial letter
- Response:** A response will be provided to you in writing after the next available EDC meeting, which can take as long as 120 days; an appeal to EDC is based solely upon the most recent examination taken

Optional Services

Optional: Hand Score

| | |
|-----------|--|
| Why: | To verify the accuracy of the candidate's reported score; please be aware that ICC and Pearson VUE follow very careful scoring procedures to ensure accuracy prior to issuance of score reports |
| How: | You must complete the Hand Score Request form (at www.iccsafe.org/ust-ast) and submit this form with original signature and copy of your score report to ICC |
| Fee: | \$25.00 |
| Deadline: | You must request a hand score within 90 days from your exam |
| Response: | You will be mailed the results of the hand score within 15 days from receipt of your request |
| Impact: | Please know that it is very rare that a score will be changed based on a hand score, as the automated scoring systems are very accurate; a request for hand score is based solely upon the most recent examination taken |

Optional: Review Session **

| | |
|-----------|--|
| Why: | To review missed test questions; you must be within ten (10) points of passing score. This is not an opportunity to change answers, ask questions, or see the correct answers, but only to review those items scored as incorrect, along with the answers you marked, for use in completing a formal challenge if you wish. A review session is based solely upon the most recent examination taken. |
| How: | You must submit the request form available at www.iccsafe.org/inspector , along with fee |
| Fee: | \$75.00—NOTE: you do not need to complete a review session to challenge your exam |
| When: | You must schedule your review session within 90 days from your exam |
| Response: | You will not receive a response based solely on the review session; instead, you will be provided a response to any items on which you complete a challenge form during your review session |

**** Review Sessions**

Reviews are completed at a paper-and-pencil testing location via paper-and-pencil. Due to the limited number of paper-and-pencil test sites around the country, it may take several months to secure a site for your review session. Review sessions are generally scheduled for the four annual National Certification examination dates and sites. The available testing sites and dates are located on the paper-pencil exam application found at www.iccsafe.org/inspector.

Review sessions are limited to one half of the original examination time. For a two-part examination, reviews are limited to one half of the original time for the portion of the examination which was failed. Candidates may bring in any of the texts listed in the Examination Information Bulletin as required references for the examination.

Candidates must submit this form with applicable fee and a copy of the score report received. An original signature on this form is required.

Submit completed forms, fees, etc. to:

International Code Council
ATTN: Candidate Services Coordinator
900 Montclair Road
Birmingham, AL 35213

(888) 422-7233, ext. 5227 (toll-free)
(205) 599-9884 (facsimile)

Renewal of Certification

Code Council UST certificates are valid for a period of two years. Individuals who wish to renew their certificate for an additional two-year period must do so by taking and passing the examination again.

The California UST Inspector Certification has two options for renewal:

1. Fulfilling continuing education requirements approved by the California State Water Resources Control Board, or
2. Passing the exam again.

For more information on the requirements of the California State Water Resources Control Board, visit www.swrcb.ca.gov.

Although the following state exams are not certification examinations, passing these exams every two (2) years is required. Only a passing letter is issued by the testing agency for these exams:

- U8 Oregon Heating Oil Tank Supervisor
- U0 State of Alaska UST Laws and Rules

Test Site Regulations

To ensure the security of examination materials, reliable test results, and public confidence in the integrity of certified professionals, the rules and procedures below are strictly enforced at all Code Council examinations.

What should I bring to the test site?

For electronic examinations, examinees must provide their testing confirmation number (that was provided by the Pearson VUE representative at the time of exam registration) at the testing site on the exam day in order to be admitted to take the exam.

For paper-and-pencil or electronic examinations, examinees must possess and present a valid (unexpired) photo ID with signature, issued by a state or federal regulatory agency, e.g., a driver's license, passport, etc.

For electronic examinations, **the name on the exam reservation must match the name on the ID provided. If it does not, you will not be allowed to test, and will forfeit your exam fee. Neither ICC nor Pearson VUE can make an exception to this policy.** If you are unable to present identification as required by the ICC and Pearson VUE, or have questions about what will be allowed, you must call Pearson VUE prior to your scheduled exam to make other arrangements.

Examinees may bring the following items to the examination:

1. Three No. 2 pencils (sharpened) [PAPER-AND-PENCIL TESTING ONLY]
2. Reference(s) as listed in this Examination Information Bulletin for the applicable open-book exam—**no other reference material will be allowed into the testing center.** Please note that most UST exams are closed-book.
 - Bound (original bound book, three-ring binder, or stapled)
 - Notes written in ink or highlighted in code sections
 - Permanently attached tabs (tabs that can't be removed without destroying the page)
 - Pencil notes in your references that are highlighted prior to arrival at the test center
 - **Photocopies of copyrighted materials are not allowed**
3. Eraser [PAPER-AND-PENCIL TESTING ONLY]
4. Magnifying glass
5. Eyeglasses, if necessary
6. Architects' scale or rule
7. Watch **without** alarm/camera [PAPER-AND-PENCIL TESTING ONLY]
8. Battery-operated calculator:
 - Nonprogrammable
 - Not capable of storing examination information
 - No ribbon or paper printing capabilities
9. Foreign language/English translation dictionaries, if needed

What should I leave home?

1. Any kind of ink (ballpoint, felt-tip, gel, etc.) pens, colored pencils, highlighters, writing paper, or briefcases
2. Personal items such as purses, wallets, or watches—lockers are available at Pearson VUE for small items, but will not accommodate laptops, briefcases, or large purses or bags

3. Calculators with print capability and/or that store formulas
4. Copying, recording, or photo devices
5. Cell phones, beepers, radios, MP3 players, and/or PDAs

What are proctors, and what do they do?

The proctors are responsible for administering the examination and ensuring security of the exam materials at the test site. Proctors are well-trained and will treat candidates with respect, and in turn, will expect the same level of respect from candidates. Threatening a proctor or interfering with the administration of an examination at *any* time may be considered a criminal offense and punishable by law. Proctors cannot discuss contents of the exam or reference materials with a candidate.

Proctors have the right to remove a candidate's test and require the individual to leave the building if the candidate:

1. Gives or receives help during the examination;
2. Attempts to remove exam materials or notes from the room;
3. Creates a disturbance;
4. Copies or attempts to copy examination questions or answers; or
5. Is found to have prohibited materials (cell phone, recorder, etc.) during the exam.

If a candidate is dismissed from an examination for an infraction of the policies presented in this booklet, the candidate will not be entitled to a refund, may jeopardize his or her right to take a Code Council examination in the future, and may face possible prosecution.

What does ICC expect of me?

Examinees are responsible for arriving at the exam site on the proper date, at the proper time, and with proper identification. You should determine in advance the exact location of the test site, how to get there, and how much time it will take you to get to the site. Examinations will be given only on the date and time scheduled.

Examinees are responsible for arriving at the test site with required reference(s), if desired, for use during the exam. Required examination references are listed with the individual examination outlines found in this bulletin. References for examinations are not supplied by the Code Council or the testing center.

Examinees must know, understand, and adhere to all of the regulations governing Code Council examinations as listed in this bulletin.

Examinees should arrive at the exam site at least 30 minutes before the examination is scheduled to begin. Remember, it is your responsibility to already be familiar with the regulations governing Code Council examinations.

What can I expect at the test site?

The Code Council proctor will check your identification, have you sign in, and may assign you a seat. The examination proctor will explain the procedures for taking the examination; answer questions related to taking the exam and provide notification to begin the examination.

Before the Exam

Metal detectors may be randomly used to search examinees entering and/or leaving the exam room. You will be asked to empty all of your pockets and place personal items in a locker. Proctors may inspect all materials an examinee carries into and from the exam room. If your reference materials do not meet test site regulations (relating to tabs, pencil notes, etc.), **you will not be allowed to take these references into the exam room.** You will still be allowed to test, but without these materials.

The Code Council randomly videotapes examination sessions.

You are not allowed to write or mark in or on your reference books during the examination.

While the examination is being administered, you are not allowed to leave the building and return to the exam room. If you wish to leave the exam room for any reason, you must receive permission from the proctor and turn in all of your examination materials and references to the proctor. Only one examinee at a time is allowed outside the exam room, and you are not allowed additional test time for time spent outside the exam room.

During the Exam

You are not allowed to communicate, verbally or nonverbally, with other candidates during the examination, and you may not share references.

It is **highly recommended** that if you are taking a computer-based exam, especially for the first time, you complete the tutorial available to you at the beginning of your exam. The time spent on the tutorial does not count against your exam time. You will receive important information about how to keep track of your time remaining, how to mark items for review, where to find the number of the question you are on, and more.

For electronically administered examinations, there is an optional clock on the computer that counts down to display the time remaining. (Information on turning on the clock is available in the tutorial prior to the exam.) When the time limit is up for the examination, the computer will end the test.

After the Exam

If you pass your examination, you cannot retake the examination you passed. If you do not pass your examination and wish to comment on your experience, please see the section of this bulletin titled "Feedback and Appeals Process."

Computer-based Testing

How do I register for a computer-based exam?

Computer-based certification examinations are administered for the Code Council by Pearson VUE (formerly Promissor), a professional test administration company. **To register to take a Code Council computer-based certification exam, call Pearson VUE at 1-800-275-8301 (only for non-DBPR candidates), or visit Pearson VUE's website at www.pearsonvue.com/icc. You must provide the EXAM ID and EXAM TITLE, whether registering online or by telephone.**

Online reservations are available 24 hours a day, 7 days a week. The Code Council encourages candidates to register online, for your convenience. You must provide an e-mail address to schedule an exam online, and Pearson VUE will e-mail you a confirmation letter containing the date and time of your exam, along with test day instructions. **It is your responsibility to check this confirmation letter to ensure the exam listed is the one you wish to take.**

Pearson VUE's customer care reservations and customer service lines are open Monday through Friday from 8:00 a.m. to 11:00 p.m. (Eastern Time), Saturday from 8:00 a.m. to 5:00 p.m., and Sunday from 10:00 a.m. to 4:00 p.m. When you call to make your examination reservation, a representative will help you select the optimal test date and location for your schedule, provide instructions and directions, and give your examination reporting time. Walk-in testing is not available.

You may make an exam reservation up to one business day prior to your desired exam date, depending on space availability at the test center.

You must have the following information available at the time you are registering for a Code Council computer-based certification examination:

1. Exam ID and title. Exam IDs and titles can be found in this bulletin
2. Your full name, address, and home and work telephone numbers
3. Selected examination date and location of the area you desire to take the exam
4. Your score report, if you are retaking the examination (only for those candidates who originally tested through Pearson VUE)
5. Your credit card or payment information

Where are the test sites?

To locate test sites in your area, visit the Pearson VUE website at www.pearsonvue.com/icc for an updated listing of sites. Be aware that test sites are subject to change.

How do I pay for my exam?

Examination fees must be paid by credit card, debit card (issued through VISA or MasterCard) or electronic check at the time a reservation is made, NOT at the test center. Candidates who do not have or do not wish to use a credit card, debit card, or personal checking account may choose to prepay their examination fees using a voucher. Vouchers can be purchased online at www.pearsonvue.com/vouchers/pricelist/iccert.asp by credit card, either singly or in volume. To redeem a voucher as payment when scheduling a test, simply indicate “voucher” as the payment method and provide the voucher number. **All vouchers are pre-paid, non-refundable, and non-returnable.** Vouchers expire twelve (12) months from the date they are issued, and voucher expiration dates cannot be extended. The exam must be taken by the expiration date printed on the voucher.

Do I have to be a computer whiz?

Examinations are administered on a personal computer (PC). Candidates are not required to have any computer knowledge to take the examination on the PC. Before you begin your test, you may take up to 15 minutes to practice with the sample questions. Timing of the examination does not begin until you look at the first question of the actual examination. You will be allowed to change your answers, mark answers for review, go back to skipped questions and, time permitting, review your test.

When are exams available?

Code Council certification examinations are administered nationally, Tuesday through Saturday (exceptions noted below). Testing sessions are generally held at 8:00 a.m. and 1:00 p.m. Some test centers are open daily, while others are open on specific days of the week. In some locations, exams are administered on a monthly basis. Pearson VUE offices are closed in observance of the following holidays in 2011:

- New Year's Day
- Martin Luther King, Jr. Day
- Memorial Day
- Independence Day
- Labor Day
- Thanksgiving (including Friday following holiday)
- Christmas Eve and Christmas day

What if the weather's bad?

Test administrations will be delayed or canceled only in emergencies. If severe weather or a natural disaster makes the test center inaccessible or unsafe, the test administration may be canceled. Call Pearson VUE at 1-800-274-2615 to check weather or other emergency delays.

How do I cancel or reschedule my test?

To change or cancel your reservation without monetary penalty, you must notify Pearson VUE two business days before your scheduled examination. When this is done, the fee from your first appointment will be applied to your new test date. If you call Pearson VUE less than two business days before your scheduled examination, you will be charged the full examination fee. The fee from your first appointment will be owed in addition to the fee for the new test date.

What if I can't make it to my test?

There are no refunds for examinations not taken. All candidates seeking excused absences must submit written verification and supporting documentation of the situation to Pearson VUE within 14 days of the original examination date. Illness excuses must be written by the attending physician. Inclement weather is not acceptable as an excused absence. If, on the day you are scheduled to test, you are unable to attend the examination for which you were scheduled, you may be excused without monetary penalty for the following reasons:

1. Documented illness, either yourself or immediate family member;
2. Death in the immediate family;
3. Disabling traffic accident;
4. Court appearance or jury duty; or
5. Military duty.

Written verification and supporting documentation for excused absences must be submitted to the Pearson VUE Program Coordinator via fax or mail within fourteen (14) days of the original examination date.

Pearson VUE
c/o Candidate Services
P.O. Box 8588
Philadelphia, PA 19101
Fax: 888-204-6291

If you are absent from an examination that you were scheduled to attend, and you did not reschedule or cancel according to the policy, you will owe Pearson VUE the full examination fee for that missed examination.

When do I get my test results?

After completing the test, candidates will raise their hands and the assessment center manager will retrieve the unit for immediate scoring. Failing candidates will be provided with diagnostic information on their performance on major content areas of each examination taken. This information is not used to determine whether a candidate passes or fails; it is for self-evaluation only. Candidates who pass will be notified with the word "PASS." Refer to Examination Scoring on page 9.

What if I have special needs?

Pearson VUE certifies that it shall comply with the provisions of the Americans with Disabilities Act (ADA). If you need special arrangements for testing, please call 1-800-466-0450 to request special testing services. This telephone number is available for reservations Monday through Friday, 7:00 a.m. to 6:00 p.m. CST. All examination sites have access for candidates with disabilities.

Pearson VUE will provide auxiliary aids and services, except where it may fundamentally alter the examination or results. It is recommended that you submit a written request for special test arrangements and services approximately two to three weeks in advance of your desired test date. In addition, candidates should indicate when registering for re-examination that special arrangements were made or services used for the prior test administration, and that these services will be needed again for the upcoming test date. Supporting documentation can be faxed to 610-617-9397.

Pearson VUE is equipped with TDD (Telecommunications Devices for the Deaf) to assist deaf and hearing-impaired candidates. TDD calling is available during standard business hours through a special Pearson VUE toll-free number, 1-800-274-2617. This phone number is for express use by candidates with compatible TDD equipment.

Pearson VUE will determine the time and place of specially arranged examinations and confirm these arrangements with the candidate directly. In some cases, there may be an additional fee for special arrangements.

In the event that an examination is offered only on Saturdays, candidates who cannot take the examination for religious reasons may request a non-Saturday test administration. Such a request must be put in writing on official stationery by your religious advisor and sent via fax machine, or mailed to Pearson VUE. Non-Saturday testing for this circumstance is done only on a prearranged basis.

UST/AST Examinations

Please visit www.iccsafe.org/ust-ast for expanded content outlines and the most up-to-date information. Outlines are subject to change.

Code Council UST/AST National Examinations

U1 UST Installation/Retrofitting

70 multiple-choice questions
Exam fee: \$75
Closed book—1-1/2-hour time limit

| Content Area | % of Total | References |
|--|-------------|---|
| Site Preparation | 16% | 1. PEI/RP 100 <i>Recommended Practices for Installation of Underground Liquid Storage Systems</i> , PEI, 2011 |
| Materials | 7% | |
| Excavation, Bedding, and Backfill | 19% | 2. PEI/RP 300 <i>Recommended Practices for Installation and Testing of Vapor Recovery Systems at Vehicle Fueling Sites</i> , PEI, 2009 |
| Placement of Equipment | 19% | |
| Secondary Containment | 7% | 3. 2008 NFPA 30 <i>Flammable and Combustible Liquids Code</i> |
| Vapor Recovery Systems | 3% | 4. 2008 NFPA 30A <i>Code for Motor Fuel Dispensing Facilities and Repair Garages</i> |
| Tank Decommissioning and Cleaning | 3% | |
| Cathodic Protection | 7% | 5. EPA 40 C.F.R. Part 280 (1988) 280.10-280.74 <i>Technical Standards and Corrective Action Requirements for Owners and Operators of USTs</i> |
| Test Methods and Testing Requirements | 6% | |
| Health and Safety for UST Workers | 13% | |
| Total | 100% | 6. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> |
| <p>Note: Reference #6 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam questions are based on this reference.</p> | | |

Most examination references listed in this bulletin are available from the ICC Store, unless noted otherwise. Call 1-800-786-4452 or go to www.iccsafe.org and click on Store.

Sample questions are available for most examinations on our website: To get an idea of the style and format (not content) of questions on the examinations, to go www.iccsafe.org/ust-ast, choose the category and then examination you wish to retrieve information on, then click on "Sample."

Code Council UST/AST National Examinations (continued)

| U2 UST Decommissioning | | 60 multiple-choice questions Exam fee: \$75 Closed book—1-1/2-hour time limit |
|---|-------------|--|
| Content Area | % of Total | References |
| Reporting Requirements | 14% | 1. API 1604 <i>Removal and Disposal of Used Underground Petroleum Storage Tanks</i> (1996 or 2001*) *Note: The 1996 edition was reaffirmed in 2001. This means it was not changed but is now published as the 2001 edition, so either the 1996 or 2001 edition can be used as the exam reference. |
| Site Preparation and Layout | 6% | |
| Tank Decommissioning and Cleaning | 40% | |
| Storage and Transportation of Tanks | 8% | |
| Health and Safety for UST Workers | 32% | |
| Total | 100% | 2. EPA 40 C.F.R. Part 280 (1988) 280.10-280.74 <i>Technical Standards and Corrective Action Requirements for Owners and Operators of USTs</i> 3. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> 4. <i>Tank Closure Without Tears: An Inspector's Safety Guide</i> , New England Interstate Water Pollution Control Commission, 1988 |
| Notes: — Reference #1 is available by contacting API at 202-682-8000. — Reference #3 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam questions are based on this reference. | | |

| U3 Underground Piping/Tank Tightness Testing | | 50 multiple-choice questions Exam fee: \$75 Closed book—1-hour time limit |
|---|-------------|---|
| Content Area | % of Total | References |
| Records and Reporting Requirements | 10% | 1. PEI/RP 100 <i>Recommended Practices for Installation of Underground Liquid Storage Systems</i> , PEI, 2011 |
| Site Preparation and Layout | 6% | |
| Placement of Equipment | 6% | 2. PEI/RP 300 <i>Recommended Practices for Installation and Testing of Vapor Recovery Systems at Vehicle Fueling Sites</i> , PEI, 2009 |
| Secondary Containment | 4% | |
| Vapor Recovery Systems | 4% | 3. NFPA 329 <i>Recommended Practice for Handling Releases of Flammable and Combustible Liquids and Gases</i> , 2010 |
| Test Variables and Leak Detection Requirements | 24% | |
| Tank Tightness Testing Methods | 14% | 4. EPA 40 C.F.R. Part 280 (1988) 280.10-280.74 <i>Technical Standards and Correction Action Requirements for Owners and Operators of USTs</i> |
| Health and Safety for UST Workers | 12% | |
| Pipe Tightness Testing Methods | 20% | 5. <i>Underground Tank Leak Detection Methods: A State-of-the-Art Review</i> (EPA 600/2-86/001) |
| Total | 100% | |
| Note: Reference #7 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam questions are based on this reference. | | 6. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> 7. <i>Tank Tightness Testing Exam References</i> —contains: — Chapter 4, Tank Tightness Testing, of the EPA publication <i>Detecting Leaks, Successful Methods Step-by-step</i> (EPA 520/UST-89/012) — Chapter 9, Piping Release Detection Methods, of EPA 530/UST-89/012 |

Code Council UST/AST National Examinations (continued)

| U4 UST Cathodic Protection | | 50 multiple-choice questions Exam fee: \$75 Closed book—1-hour time limit |
|---|-------------|---|
| Content Area | % of Total | References |
| Records and Reporting | 6% | 1. PEI/RP 100 <i>Recommended Practices for Installation of Underground Liquid Storage Systems</i> , PEI, 2011 |
| Site Data, Layout, and Pretest | 16% | |
| Basic Design, Identification, and Inspection | 22% | 2. EPA 40 C.F.R. Part 280 (1988) 280.10-280.74 <i>Technical Standards and Corrective Action Requirements for Owners and Operators of USTs</i> |
| Galvanic Anode Cathodic Protection | 24% | |
| Impressed Current Cathodic Protection | 22% | 3. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> |
| Health and Safety for UST Workers | 10% | |
| Total | 100% | 4. Basic Course— <i>Appalachian Underground Corrosion Short Course</i> , West Virginia University (2000 or 2006) |
| Note: Reference #3 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam questions are based on this reference. | | 5. Intermediate Course— <i>Appalachian Underground Corrosion Short Course</i> , West Virginia University (2000 or 2006) |

| U5 AST Installation/Retrofitting | | 70 multiple-choice questions Exam fee: \$75 Closed book—1-1/2-hour time limit |
|---|-------------|--|
| Content Area | % of Total | References |
| Pre-installation Planning | 12% | 1. PEI/RP 200 <i>Recommended Practice for Installation of Aboveground Storage Systems for Motor Vehicle Fueling</i> , PEI, 2008 |
| Foundations, Support, and Protection | 6% | |
| Secondary Containment | 10% | 2. 2008 NFPA 30 <i>Flammable and Combustible Liquids Code</i> |
| Tanks and Equipment | 16% | 3. 2008 NFPA 30A <i>Code for Motor Fuel Dispensing Facilities & Repair Garages</i> |
| Pumps and Valves | 20% | 4. EPA 40 C.F.R. 112 <i>Spill Prevention, Control, and Counter Measure</i> |
| Piping Systems | 20% | 5. STI-R893-89 or STI-R893-06 <i>Recommended Practice for External Corrosion Protection of Shop Fabricated Aboveground Tank Floors</i> |
| Health and Safety | 16% | |
| Total | 100% | 6. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> |
| Note: Reference #6 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam questions are based on this reference. | | |

Code Council UST/AST National Examinations (continued)

| AU Class A UST System Operator (National exam) | | 60 multiple-choice questions Exam fee: \$75 Open book—1-1/2-hour time limit |
|---|-------------|---|
| Content Area | % of Total | References |
| UST Systems | 28% | 1. <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 (EPA 510-B-00-008) |
| Operating Requirements | 24% | 2. <i>Straight Talk on Tanks</i> , September 1997 (EPA 510-B97-007) |
| Release Detection | 20% | 3. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Recordkeeping | 13% | 4. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| Release Reporting, Confirmation, and Clean-up | 11% | 5. PEI/RP 500 <i>Recommended Practices for Inspection of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| Energy Act Requirements | 4% | 6. PEI/RP 900 <i>Recommended Practices for Inspection and Maintenance of UST Systems</i> , PEI, 2008 |
| Total | 100% | 7. EPA 40 CFR Part 280 Subparts A-H <i>Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks</i> |
| Notes: | | 8. UST Provisions of the Energy Policy Act of 2005: <i>Grant Guidelines to States for Implementing Operator Training Provisions</i> (EPA-510-R-07-005) |
| <p>— Questions on this exam reflect the job tasks of a Class A UST Operator, defined as the person having <u>primary</u> responsibility for the operation and maintenance of a UST system.</p> <p>— The AU is a National UST System Operator exam. Be sure that you are registering for the exam accepted in your state.</p> | | |

| BU Class B UST System Operator (National exam) | | 60 multiple-choice questions Exam fee: \$75 Open book—1-1/2-hour time limit |
|--|-------------|---|
| Content Area | % of Total | References |
| UST Systems | 20% | 1. <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 (EPA 510-B-00-008) |
| Operating Requirements | 27% | 2. <i>Straight Talk on Tanks</i> , September 1997 (EPA 510-B97-007) |
| Release Detection | 24% | 3. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Documentation | 14% | 4. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| Release Reporting, Confirmation, and Clean-up | 12% | 5. PEI/RP 500 <i>Recommended Practices for Inspection of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| Energy Act Requirements | 3% | 6. PEI/RP 900 <i>Recommended Practices for Inspection and Maintenance of UST Systems</i> , PEI, 2008 |
| Total | 100% | 7. EPA 40 CFR Part 280 Subparts A-H <i>Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks</i> |
| Notes: | | 8. UST Provisions of the Energy Policy Act of 2005: <i>Grant Guidelines to States for Implementing Operator Training Provisions</i> (EPA-510-R-07-005) |
| <p>— Questions on this exam reflect the job tasks of a Class B UST Operator, defined as the person having <u>day-to-day</u> responsibility for the <u>onsite</u> operation and maintenance of a UST system.</p> <p>— The BU is a National UST System Operator exam. Be sure that you are registering for the exam accepted in your state.</p> | | |

Code Council UST/AST State-specific Examinations

| | |
|---------------------------------------|---|
| U0 State of Alaska UST Laws and Rules | 35 multiple-choice questions Exam fee: \$45 Open book—1-hour time limit |
|---------------------------------------|---|

References

1. Alaska Underground Storage Tank Regulations 18 AAC 78 (Articles 1, 2, 4, and 9)
2. Alaska Underground Storage Tank Statutes AS 46.03.360-450

These references are available by contacting either the Alaska Department of Environmental Conservation at 907-465-5200 or the Alaska Division of Occupational Licensing at 907-465-5470. These regulations are also available on the internet at www.state.ak.us.

| | |
|-----------------------------|---|
| UI California UST Inspector | 60 multiple-choice questions Exam fee: \$75 Open book—1-1/2-hour time limit |
|-----------------------------|---|

| Content Area | % of Total | References |
|---|-------------|---|
| UST Inspector Qualifications | 7% | 1. <i>California Code of Regulations</i> , Title 23, Division 3, Chapter 16, Underground Storage Tank Regulations |
| UST System Components and Design | 10% | |
| Compliance Inspection and Administration Procedures | 28% | 2. <i>California Health and Safety Code</i> , Chapter 6.7, Underground Storage of Hazardous Substances |
| Periodic Testing and Evaluation of UST Systems | 25% | |
| Health and Safety | 5% | 3. <i>California Confined Space Entry Regulations</i> , Title 8, Section 5157, Permit-Required Confined Spaces |
| UST Installation, Closures, Repairs, Upgrades, and Modifications | 17% | 4. <i>Straight Talk on Tanks</i> , September 1997 (EPA 510-B97-007) |
| Education and Enforcement | 8% | 5. <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 (EPA 510-B-00-008) |
| Total | 100% | |
| <p>NOTES:</p> <p>— References #1-#3 are also available at www.swrcb.ca.gov/water_issues/programs/ust.</p> <p>— A booklet titled California UST Examination References is available for purchase from ICC by calling 1-800-786-4452 or at www.iccsafe.org/store, and contains the above references. This reference will be provided at the test site for use during the exam.</p> <p>Candidates will NOT be allowed to bring any references into the exam.</p> | | |

Code Council UST/AST State-specific Examinations (continued)

| UT California UST Service Technician | | 60 multiple-choice questions Exam fee: \$75 Closed book—1-1/2-hour time limit |
|---------------------------------------|-------------|--|
| Content Area | % of Total | References |
| UST Service Technician Qualifications | 12% | 1. <i>California Code of Regulations</i> , Title 23, Division 3, Chapter 16, Underground Storage Tank Regulations |
| UST Systems | 28% | |
| Monitoring Equipment | 32% | 2. <i>California Health and Safety Code</i> , Chapter 6.7, Underground Storage of Hazardous Substances |
| Containment Testing | 12% | |
| Health and Safety | 16% | 3. <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 (EPA 510-B-00-008) |
| Total | 100% | 4. <i>Straight Talk on Tanks</i> , September 1997 (EPA 510-B97-007) 5. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> 6. PEI/RP 100 <i>Recommended Practices for Installation of Underground Liquid Storage Tanks</i> , PEI, 2005 7. PEI/RP 300 <i>Recommended Practices for Installation and Testing of Vapor Recovery Systems at Vehicle Fueling Sites</i> , PEI, 2004 |
| | | NOTES: — References #1-#5 are also available at www.swrcb.ca.gov/water_issues/programs/ust . — A booklet titled California UST Examination References is available for purchase from ICC by calling 1-800-786-4452 or at www.iccsafe.org/store , and contains references #1-#4. Candidates will NOT be allowed to bring any references into the exam. |

Most examination references listed in this bulletin are available from the ICC Store, unless noted otherwise. Call 1-800-786-4452 or go to www.iccsafe.org and click on Store.

Sample questions are available for most examinations on our website: To get an idea of the style and format (not content) of questions on the examinations, to go www.iccsafe.org/ust-ast, choose the category and then examination you wish to retrieve information on, then click on "Sample."

Code Council UST/AST State-specific Examinations (continued)

UC California UST System Operator [Designated UST Operator] 60 multiple-choice questions
Exam fee: \$75
Open book*—1-1/2-hour time limit

| Content Area | % of Total | References |
|---|-------------|--|
| UST Systems | 20% | 1. <i>California Code of Regulations</i> , Title 23, Division 3, Chapter 16, Underground Storage Tank Regulations |
| Operating Requirements | 30% | |
| Release Detection | 25% | 2. <i>California Health and Safety Code</i> , Chapter 6.7, Underground Storage of Hazardous Substances |
| Recordkeeping | 17% | |
| Release Reporting and Confirmation | 8% | 3. <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 |
| Total | 100% | (EPA 510-B-00-008) 4. <i>Straight Talk on Tanks</i> , September 1997 (EPA 510-B97-007) 5. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| <p>NOTES:</p> <p>— References #1-#5 are also available at www.swrcb.ca.gov/water_issues/programs/ust.</p> <p>— A booklet titled California UST Examination References is available for purchase from ICC by calling 1-800-786-4452 or at www.iccsafe.org/store, and contains references #1-#5. This reference will be provided at the test site for use during the exam. *Candidates will NOT be allowed to bring their own references into the exam, but must use the copy the test center will provide.</p> | | |

UA Colorado Class A UST System Operator 40 multiple-choice questions
Exam fee: \$75
Open book—1-1/2-hour time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|---|
| UST Systems | 10% | 1. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Operating Requirements | 15% | 2. <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 |
| Release Detection | 20% | (EPA 510-B-00-008) |
| Record Keeping | 20% | 3. Colorado Storage Tank Regulations 7 C.C.R. 1101-14 |
| Release Reporting and Confirmation | 10% | |
| Energy Act Requirements | 25% | A booklet titled Colorado UST Operator Examination References , containing references #1-#3 and available for purchase from ICC by calling 800-786-4452 or online at www.iccsafe.org/store , is permitted to be used at the test site. This booklet is <u>not</u> provided by the test site. |
| Total | 100% | |

Code Council UST/AST State-specific Examinations (continued)

UB Colorado Class B UST System Operator

60 multiple-choice questions
Exam fee: \$75
Open book—2-hour time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|--|
| UST Systems | 17% | 1. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Operating Requirements | 18% | 2. <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 |
| Release Detection | 15% | (EPA 510-B-00-008) |
| Record Keeping | 15% | 3. Colorado Storage Tank Regulations 7 C.C.R. 1101-14 |
| Release Reporting and Confirmation | 8% | |
| Energy Act Requirements | 27% | |
| Total | 100% | A booklet titled Colorado UST Operator Examination References , containing references #1-#3 and available for purchase from ICC by calling 800-786-4452 or online at www.iccsafe.org/store , is permitted to be used at the test site. This booklet is <u>not</u> provided by the test site. |

TA Connecticut Class A UST System Operator [COMING FEBRUARY 2012]

40 multiple-choice questions
Exam fee: \$75
Open book—1 hour time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|--|
| UST Systems | 13% | 1. <i>Operating and Maintaining Underground Storage Tank Systems</i> (EPA 510-B-05-002) |
| Operating Requirements | 18% | 2. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Release Detection | 19% | 3. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Recordkeeping | 24% | 4. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| Release Reporting and Confirmation | 13% | 5. PEI/RP 500 <i>Recommended Practices for Inspection of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| Energy Act Requirements | 13% | |
| Total | 100% | 6. PEI/RP 900 <i>Recommended Practices for Inspection and Maintenance of UST Systems</i> , PEI, 2011 7. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action Requirements for Owners and Operators of USTs</i> 8. Draft—Proposed Revisions and Amendments to the Underground Storage Tank Regulations |

Please visit www.iccsafe.org/ust-ast for expanded content outlines and the most up-to-date information. Outlines are subject to change.

Code Council UST/AST State-specific Examinations (continued)

TB Connecticut Class B UST System Operator [COMING FEBRUARY 2012]

60 multiple-choice questions
Exam fee: \$75
Open book—1-1/2 hour time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|--|
| UST Systems | 16% | 1. <i>Operating and Maintaining Underground Storage Tank Systems</i> (EPA 510-B-05-002) |
| Operating Requirements | 19% | 2. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Release Detection | 21% | 3. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Recordkeeping | 14% | 4. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| Release Reporting and Confirmation | 13% | 5. PEI/RP 500 <i>Recommended Practices for Inspection of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| Energy Act Requirements | 17% | 6. PEI/RP 900 <i>Recommended Practices for Inspection and Maintenance of UST Systems</i> , PEI, 2011 |
| Total | 100% | 7. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action Requirements for Owners and Operators of USTs</i> 8. Draft—Proposed Revisions and Amendments to the Underground Storage Tank Regulations |

GA Georgia System Operator

60 multiple-choice questions
Exam fee: \$75
Open book—1-1/2-hour time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|---|
| UST Systems | 24% | 1. Georgia 391-3-15-.01 through 391-3-15-.16 |
| Operating Requirements | 21% | 2. Georgia UST Act |
| Release Detection | 19% | 3. <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 (EPA 510-B-00-008) |
| Documentation | 14% | 4. <i>Straight Talk on Tanks</i> , September 1997 (EPA 510-B97-007) |
| Release Reporting and Confirmation | 12% | 5. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Energy Act Requirements | 3% | 6. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| Georgia Rules and Regulations | 7% | 7. PEI/RP 500 <i>Recommended Practices for Inspection of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| Total | 100% | 8. PEI/RP 900 <i>Recommended Practices for Inspection and Maintenance of UST Systems</i> , PEI, 2008 9. EPA 40 CFR Part 280 Subparts A-H <i>Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks</i> |

Code Council UST/AST State-specific Examinations (continued)

MA Maryland Class A UST System Operator

40 multiple-choice questions—score of 80 required to pass

NOTE: Please see the News & Info tab on www.iccsafe.org/ust-ast for the Class C Operator checklist.

Exam fee: \$75

Open book—1 hour, 15 minute time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|--|
| UST Systems | 25% | 1. Code of Maryland Regulations (COMAR) 26.10, <i>Oil Pollution and Tank Management</i> |
| Operating Requirements | 20% | 2. <i>Operating and Maintaining Underground Storage Tank Systems</i> , 2005 |
| Release Detection | 20% | (EPA 510-B-05-002) |
| Recordkeeping | 25% | 3. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Release Reporting and Confirmation | 10% | 4. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Total | 100% | 5. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| | | 6. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action Requirements for Owners and Operators of USTs</i> |

MB Maryland Class B UST System Operator

60 multiple-choice questions—score of 80 required to pass

NOTE: Please see the News & Info tab on www.iccsafe.org/ust-ast for the Class C Operator checklist.

Exam fee: \$75

Open book—1 hour, 45 minute time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|--|
| UST Systems | 28% | 1. Code of Maryland Regulations (COMAR) 26.10, <i>Oil Pollution and Tank Management</i> |
| Operating Requirements | 34% | 2. <i>Operating and Maintaining Underground Storage Tank Systems</i> |
| Release Detection | 15% | (EPA 510-B-05-002) |
| Recordkeeping | 15% | 3. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Release Reporting and Confirmation | 8% | 4. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Total | 100% | 5. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| | | 6. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action Requirements for Owners and Operators of USTs</i> |

Most examination references listed in this bulletin are available from the ICC Store, unless noted otherwise. Call 1-800-786-4452 or go to www.iccsafe.org and click on Store.

Sample questions are available for most examinations on our website: To get an idea of the style and format (not content) of questions on the examinations, to go www.iccsafe.org/ust-ast, choose the category and then examination you wish to retrieve information on, then click on "Sample."

Code Council UST/AST State-specific Examinations (continued)

NA Michigan Class A UST System Operator [LAUNCH DATE: TBD]

40 multiple-choice questions
Exam fee: \$75
Open book—1 hour time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|---|
| UST Systems | 18% | 1. Michigan Underground Storage Tank Rules [MUSTR] |
| Operating Requirements | 17% | 2. <i>Operating and Maintaining Underground Storage Tank Systems</i> (EPA 510-B-05-002) |
| Release Detection | 18% | 3. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Recordkeeping | 25% | 4. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Release Reporting and Confirmation | 10% | 5. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| Energy Act Requirements | 12% | 6. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action</i> |
| Total | 100% | <i>Requirements for Owners and Operators of USTs</i> |

NB Michigan Class B UST System Operator [LAUNCH DATE: TBD]

60 multiple-choice questions
Exam fee: \$75
Open book—1-1/2 hour time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|---|
| UST Systems | 16% | 1. Michigan Underground Storage Tank Rules [MUSTR] |
| Operating Requirements | 26% | 2. <i>Operating and Maintaining Underground Storage Tank Systems</i> (EPA 510-B-05-002) |
| Release Detection | 20% | 3. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Recordkeeping | 22% | 4. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Release Reporting and Confirmation | 10% | 5. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| Energy Act Requirements | 6% | 6. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action</i> |
| Total | 100% | <i>Requirements for Owners and Operators of USTs</i> |

Most examination references listed in this bulletin are available from the ICC Store, unless noted otherwise. Call 1-800-786-4452 or go to www.iccsafe.org and click on Store.

Sample questions are available for most examinations on our website: To get an idea of the style and format (not content) of questions on the examinations, to go www.iccsafe.org/ust-ast, choose the category and then examination you wish to retrieve information on, then click on "Sample."

Code Council UST/AST State-specific Examinations (continued)

HA New Hampshire Class A UST System Operator 40 multiple-choice questions
Exam fee: \$75
Open book—1 hour time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|--|
| UST Systems | 13% | 1. New Hampshire Statutes: Title X: Public Health, Chapter 146-C: Underground Storage |
| Operating Requirements | 18% | Facilities |
| Release Detection | 19% | 2. New Hampshire Code of Administrative Rules, Part Env-Wm 1401, Underground |
| Recordkeeping | 24% | Storage Facilities |
| Release Reporting and Confirmation | 13% | 3. <i>Operating and Maintaining Underground Storage Tank Systems</i> (EPA 510-B-05-002) |
| Energy Act Requirements | 13% | 4. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Total | 100% | 5. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| | | 6. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| | | 7. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action Requirements for Owners and Operators of USTs</i> |

HB New Hampshire Class B UST System Operator 60 multiple-choice questions
Exam fee: \$75
Open book—1-1/2 hour time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|--|
| UST Systems | 16% | 1. New Hampshire Statutes: Title X: Public Health, Chapter 146-C: Underground Storage |
| Operating Requirements | 19% | Facilities |
| Release Detection | 21% | 2. New Hampshire Code of Administrative Rules, Part Env-Wm 1401, Underground |
| Recordkeeping | 14% | Storage Facilities |
| Release Reporting and Confirmation | 13% | 3. <i>Operating and Maintaining Underground Storage Tank Systems</i> (EPA 510-B-05-002) |
| Energy Act Requirements | 17% | 4. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Total | 100% | 5. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| | | 6. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| | | 7. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action Requirements for Owners and Operators of USTs</i> |

Code Council UST/AST State-specific Examinations (continued)

U8 Oregon Heating Oil Tank Supervisor

60 multiple-choice questions
Exam fee: \$75
Closed book—1-1/2-hour time limit

| Content Area | % of Total | References |
|--------------------------------------|-------------|--|
| Licensing, Records, and Reporting | 7% | <p>1. API 1604 <i>Removal and Disposal of Used Underground Petroleum Storage Tanks</i> (1996 or 2001—Note: The 1996 edition was reaffirmed in 2001. This means it was not changed but is now published as the 2001 edition, so either the 1996 or 2001 edition can be used.)</p> <p>2. <i>Risk-based Decision Making for the Remediation of Petroleum-contaminated Sites</i>, 1999, Oregon DEQ</p> <p>3. <i>Heating Oil Tank Generic Remedy Guidance Document</i>, 2000, Oregon DEQ</p> <p>4. <i>UST Cleanup Manual</i>, updated August 2003, Oregon DEQ; includes Cleanup Rules for Leaking Petroleum UST Systems—OAR 340-122-0205 to 340-122-0360</p> <p>5. OAR Chapter 340, Division 163: Licensing Requirements for Service Providers and Supervisors Providing Heating Oil Tank Services, 2000, Oregon DEQ</p> <p>6. OAR Chapter 340, Division 177: Heating Oil Underground Storage Tanks, 2000, Oregon DEQ</p> <p>7. 06-LQ-001A Petroleum-contaminated Soils Handling Options, 2007, DEQ</p> <p>8. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i></p> <p>Notes:</p> <p>— Reference #1 is available by contacting API at 202-682-8000.</p> <p>— Reference #8 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam items are based on this reference, available from ICC by calling 1-800-786-4452 or online at www.iccsafe.org/store.</p> <p>— All other references are available from DEQ. Within Oregon, call the UST helpline at 800-742-7878 or dial direct at 503-229-6652.</p> |
| Tank Decommissioning | 12% | |
| Contaminated Soil | 5% | |
| Health and Safety for Tank Workers | 12% | |
| Site Assessment and Characterization | 7% | |
| Sampling and Evaluation | 31% | |
| Site Remediation and Closure | 26% | |
| Total | 100% | |

Code Council UST/AST State-specific Examinations (continued)

PR PSCAA Vapor Recovery System Installation and Repair

60 multiple-choice questions
Exam fee: \$75
Open book—1-1/2-hour time limit

| Content Area | % of Total | References |
|---|-------------|--|
| Vapor Recovery Systems Pre-installation | 15% | 1. PSCAA <i>Vapor Recovery System Examination References</i> ** |
| Installation of Below Grade Vapor Recovery Components | 25% | 2. PEI/RP 100 <i>Recommended Practices for Installation of Underground Liquid Storage Systems</i> , PEI, 2011 |
| Installation of Above Grade Vapor Recovery Components | 35% | |
| Repair of Vapor Recovery System Components | 10% | 3. PEI/RP 300 <i>Recommended Practices for Installation and Testing of Vapor Recovery Systems at Vehicle Fueling Sites</i> , PEI, 2009 |
| Safety | 15% | |
| Total | 100% | 4. PEI/RP 500 <i>Recommended Practices for Inspection of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| Note: Reference #5 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam questions are based on this reference. | | 5. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> |

PT PSCAA Vapor Recovery System Testing

60 multiple-choice questions
Exam fee: \$75
Open book—1-1/2-hour time limit

| Content Area | % of Total | References |
|---|-------------|--|
| Vapor Recovery Systems Pre-installation | 12% | 1. PSCAA <i>Vapor Recovery System Examination References</i> ** |
| Testing of Above Grade Vapor Recovery Components | 25% | 2. PEI/RP 100 <i>Recommended Practices for Installation of Underground Liquid Storage Systems</i> , PEI, 2011 |
| Testing of Below Grade Vapor Recovery Components | 35% | |
| Observation and Troubleshooting of Vapor Recovery System Components | 12% | 3. PEI/RP 300 <i>Recommended Practices for Installation and Testing of Vapor Recovery Systems at Vehicle Fueling Sites</i> , PEI, 2009 |
| Safety | 10% | 4. PEI/RP 500 <i>Recommended Practices for Inspection of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| Results, Recordkeeping, and Reporting | 6% | |
| Total | 100% | 5. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> |
| Note: Reference #5 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam questions are based on this reference. | | |

** The *PSCAA Vapor Recovery System Examination References* book is available for purchase from ICC at 1-800-786-4452. More information on the content of this book can be found on page 46 of this bulletin.

Code Council UST/AST State-specific Examinations (continued)

RA Rhode Island Class A UST System Operator [COMING FEBRUARY 2012]

40 multiple-choice questions
Exam fee: \$75
Open book—1 hour time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|---|
| UST Systems | 15% | 1. Rhode Island Rules and Regulations for Underground Storage Facilities |
| Operating Requirements | 18% | 2. <i>Operating and Maintaining Underground Storage Tank Systems</i> (EPA 510-B-05-002) |
| Release Detection | 21% | 3. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Recordkeeping | 14% | 4. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Release Reporting and Confirmation | 15% | 5. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| Energy Act Requirements | 17% | 6. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action</i> |
| Total | 100% | <i>Requirements for Owners and Operators of USTs</i> |

RB Rhode Island Class B UST System Operator [COMING FEBRUARY 2012]

60 multiple-choice questions
Exam fee: \$75
Open book—1-1/2 hour time limit

| Content Area | % of Total | References |
|------------------------------------|-------------|---|
| UST Systems | 15% | 1. Rhode Island Rules and Regulations for Underground Storage Facilities |
| Operating Requirements | 18% | 2. <i>Operating and Maintaining Underground Storage Tank Systems</i> (EPA 510-B-05-002) |
| Release Detection | 21% | 3. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Recordkeeping | 14% | 4. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Release Reporting and Confirmation | 15% | 5. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| Energy Act Requirements | 17% | 6. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action</i> |
| Total | 100% | <i>Requirements for Owners and Operators of USTs</i> |

Please visit www.iccsafe.org/ust-ast for expanded content outlines and the most up-to-date information. Outlines are subject to change.

Code Council UST/AST State-specific Examinations (continued)

| YA Utah Class A UST System Operator | | 40 multiple-choice questions Exam fee: \$75 Open book—1-hour time limit |
|---|-------------|---|
| Content Area | % of Total | References |
| UST Systems | 13% | 1. Utah Administrative Code, Title R311 Environmental Quality, |
| Operating Requirements | 18% | Environmental Response and Remediation |
| Release Detection | 19% | 2. Utah Underground Storage Tank Act 19-6-401 through 429 (Utah |
| Recordkeeping | 24% | Code, Title 19, Chapter 06, Section 401-429) |
| Release Reporting and Confirmation | 13% | 3. EPA 40 CFR Part 280 Subparts A-H <i>Technical Standards and</i> |
| Energy Act Requirements | 13% | <i>Corrective Action Requirements for Owners and Operators of</i> |
| Total | 100% | <i>Underground Storage Tanks</i> |
| <p>NOTES: A booklet titled Utah UST System Operator Examination</p> <p>References, containing references #1-#7 and available for purchase from ICC by calling 800-786-4452 or online at www.iccsafe.org/store, is permitted to be used at the test site. This booklet is <u>not</u> provided by the test site.</p> | | 4. EPA 510-K-95-002 <i>Musts for USTs</i> , July 1995 |
| | | 5. EPA 510-K-95-004 <i>Dollars and Sense, Financial Responsibility Requirements for USTs</i> |
| | | 6. EPA 510-B-00-008 <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 |
| | | 7. EPA 510-B97-007 <i>Straight Talk on Tanks</i> , September 1997 |
| | | 8. PEI/IRP 500 <i>Recommended Practices for Inspection and Maintenance of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| | | 9. PEI/IRP 900 <i>Recommended Practices for Inspection and Maintenance of UST Systems</i> , PEI, 2008 |
| | | |

Code Council UST/AST State-specific Examinations (continued)

| YB Utah Class B UST System Operator | | 60 multiple-choice questions Exam fee: \$75 Open book—1-1/2-hour time limit |
|---|-------------|---|
| Content Area | % of Total | References |
| UST Systems | 16% | 1. Utah Administrative Code, Title R311 Environmental Quality, Environmental Response and Remediation |
| Operating Requirements | 19% | |
| Release Detection | 21% | 2. Utah Underground Storage Tank Act 19-6-401 through 429 (Utah Code, Title 19, Chapter 06, Section 401-429) |
| Recordkeeping | 14% | |
| Release Reporting and Confirmation | 13% | 3. EPA 40 CFR Part 280 Subparts A-H <i>Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks</i> |
| Energy Act Requirements | 17% | 4. EPA 510-K-95-002 <i>Musts for USTs</i> , July 1995 |
| Total | 100% | 5. EPA 510-K-95-004 <i>Dollars and Sense, Financial Responsibility Requirements for USTs</i> |
| <p>NOTES: A booklet titled Utah UST System Operator Examination References, containing references #1-#7 and available for purchase from ICC by calling 800-786-4452 or online at www.iccsafe.org/store, is permitted to be used at the test site. This booklet is <u>not</u> provided by the test site.</p> | | 6. EPA 510-B-00-008 <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 |
| | | 7. EPA 510-B97-007 <i>Straight Talk on Tanks</i> , September 1997 |
| | | 8. PEI/RP 500 <i>Recommended Practices for Inspection and Maintenance of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| | | 9. PEI/RP 900 <i>Recommended Practices for Inspection and Maintenance of UST Systems</i> , PEI, 2008 |

| VI Vapor Recovery System Installation and Repair | | 60 multiple-choice questions Exam fee: \$75 Open book—1-1/2-hour time limit |
|--|-------------|--|
| Content Area | % of Total | References |
| Vapor Recovery Systems Pre-installation | 16% | 1. <i>Vapor Recovery System Examination References</i> , Parts 1-9** |
| Installation of Below Grade Vapor Recovery Components | 32% | 2. PEI/RP 100 <i>Recommended Practices for Installation of Underground Liquid Storage Systems</i> , PEI, 2011 |
| Installation of Above Grade Vapor Recovery Components | 28% | |
| Repair of Vapor Recovery System Components | 13% | 3. PEI/RP 300 <i>Recommended Practices for Installation and Testing of Vapor Recovery Systems at Vehicle Fueling Sites</i> , PEI, 2009 |
| Safety | 11% | |
| Total | 100% | 4. PEI/RP 500 <i>Recommended Practices for Inspection of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| <p>Note: Reference #5 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam questions are based on this reference.</p> | | 5. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> |

** The *Vapor Recovery System Examination References* book is available for purchase from ICC at 1-800-786-4452. More information on the content of this book can be found on page 45 of this bulletin.

Code Council UST/AST State-specific Examinations (continued)

VR Vapor Recovery System Repair 40 multiple-choice questions
Exam fee: \$75
Open book—1-hour time limit

| Content Area | % of Total | References |
|---|-------------|--|
| Vapor Recovery Systems Pre-installation | 25% | 1. <i>Vapor Recovery System Examination References</i> , Parts 4-13** |
| Testing of Above Grade Vapor Recovery Components | 28% | 2. PEI/RP 300 <i>Recommended Practices for Installation and Testing of Vapor Recovery Systems at Vehicle Fueling Sites</i> , PEI, 2009 |
| Repair of Vapor Recovery System Components | 30% | 3. PEI/RP 500 <i>Recommended Practices for Inspection of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| Safety | 10% | |
| Results, Recordkeeping, and Reporting | 7% | |
| Total | 100% | 4. <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 (EPA 510-B-00-008) |
| Note: Reference #5 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam questions are based on this reference. | | 5. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> |

VT Vapor Recovery System Testing and Repair 60 multiple-choice questions
Exam fee: \$75
Open book—1-1/2-hour time limit

| Content Area | % of Total | References |
|---|-------------|--|
| Vapor Recovery Systems Pre-installation | 12% | 1. <i>Vapor Recovery System Examination References</i> , Parts 2-13** |
| Testing of Above Grade Vapor Recovery Components | 18% | 2. PEI/RP 300 <i>Recommended Practices for Installation and Testing of Vapor Recovery Systems at Vehicle Fueling Sites</i> , PEI, 2009 |
| Testing of Below Grade Vapor Recovery Components | 30% | 3. PEI/RP 500 <i>Recommended Practices for Inspection of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| Repair of Vapor Recovery System Components | 23% | |
| Safety | 10% | |
| Results, Recordkeeping, and Reporting | 7% | |
| Total | 100% | 4. <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 (EPA 510-B-00-008) |
| Note: Reference #5 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam questions are based on this reference. | | 5. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> |

** The *Vapor Recovery System Examination References* book is available for purchase from ICC at 1-800-786-4452. More information on the content of this book can be found on page 45 of this bulletin.

Code Council UST/AST State-specific Examinations (continued)

| VA Vermont Class A UST System Operator | | 40 multiple-choice questions Exam fee: \$75 Open book—1 hour time limit |
|--|-------------|--|
| Content Area | % of Total | References |
| UST Systems | 13% | 1. <i>Operating and Maintaining Underground Storage Tank Systems</i> , 2005 |
| Operating Requirements | 18% | (EPA 510-B-05-002) |
| Release Detection | 19% | 2. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Recordkeeping | 24% | 3. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Release Reporting and Confirmation | 13% | 4. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| Energy Act Requirements | 13% | 5. PEI/RP 500 <i>Recommended Practices for Inspection and Maintenance of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| Total | 100% | 6. PEI/RP 900 <i>Recommended Practices for Inspection and Maintenance of UST Systems</i> , PEI, 2008 |
| | | 7. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action Requirements for Owners and Operators of USTs</i> |
| | | 8. Vermont Underground Storage Tank Rules [effective date: October 1, 2011]* |

| VB Vermont Class B UST System Operator | | 60 multiple-choice questions Exam fee: \$75 Open book—1-1/2 hour time limit |
|--|-------------|--|
| Content Area | % of Total | References |
| UST Systems | 16% | 1. <i>Operating and Maintaining Underground Storage Tank Systems</i> , 2005 |
| Operating Requirements | 19% | (EPA 510-B-05-002) |
| Release Detection | 21% | 2. <i>Straight Talk on Tanks</i> , 2005 (EPA 510-B-05-001) |
| Recordkeeping | 14% | 3. <i>Musts for USTs</i> , July 1995 (EPA 510-K-95-002) |
| Release Reporting and Confirmation | 13% | 4. <i>Dollars and Sense</i> , Financial Responsibility Requirements for USTs (EPA 510-K-95-004) |
| Energy Act Requirements | 17% | 5. PEI/RP 500 <i>Recommended Practices for Inspection and Maintenance of Motor Fuel Dispensing Equipment</i> , PEI, 2011 |
| Total | 100% | 6. PEI/RP 900 <i>Recommended Practices for Inspection and Maintenance of UST Systems</i> , PEI, 2008 |
| | | 7. EPA 40 CFR Part 280, 280.10—280.74 <i>Technical Standards and Corrective Action Requirements for Owners and Operators of USTs</i> |
| | | 8. Vermont Underground Storage Tank Rules [effective date: October 1, 2011]* |

* Reference #8 can be found at <http://www.anr.state.vt.us/dec/wastediv/ust/regs/fullUSTregs.pdf>

For the Vermont Class A and Class B UST System Operator exams: the following reference may be useful to you in preparation for your examination, but is not a required reference and will not be allowed into the test site:

— Workbook for the Compliance Certification for Underground Storage Tank Facilities (found at http://www.anr.state.vt.us/dec/wastediv/ust/erp/compliance_certification_workbook.pdf)

Code Council UST/AST State-specific Examinations (continued)

| U7 Washington State Site Assessment | | 60 multiple-choice questions Exam fee: \$75 Closed book—1-1/2-hour time limit |
|--|-------------|--|
| Content Area | % of Total | References |
| Licensing and Permits | 7% | 1. <i>Washington State Underground Storage Tank Regulations</i> , Chapter 173-360 WAC Note: This reference is available from the Washington Department of Ecology by calling 360-407-7472. |
| Contaminated Soil | 8% | |
| Health and Safety | 15% | 2. <i>API 1628 A Guide to the Assessment and Remediation of Underground Petroleum Releases</i> , 1989 Note: This reference is available from API by calling 202-682-8000. |
| Background Data | 13% | |
| Field Observations | 18% | 3. EPA 910/B-92/001 <i>Health and Safety Training for Underground Storage Tank Inspectors, Student's Guide</i> |
| Sampling | 25% | |
| Evaluate Lab Analyses and Report Results | 14% | 4. <i>Underground Storage Tank Site Assessment Study Guide</i> , Washington State Department of Ecology |
| Total | 100% | |
| <p>Note: Reference #3 is a compilation of key provisions in the federal OSHA regulations applicable to petroleum storage tank work. The health and safety exam questions are based on this reference.</p> | | |

| WA Wisconsin Class A UST System Operator | | 40 multiple-choice questions Exam fee: \$75 Open book—1-1/2-hour time limit |
|--|-------------|---|
| Content Area | % of Total | References |
| UST Systems | 10% | 1. Wisconsin Administrative Code, Department of Commerce, Chapter Comm 10, <i>Flammable, Combustible, and Hazardous Liquids</i> |
| Operating Requirements | 15% | |
| Release Detection | 20% | 2. EPA 510-B-00-008 <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 |
| Recordkeeping | 20% | |
| Release Reporting and Confirmation | 10% | 3. EPA 40 CFR Part 280 Subparts A-H <i>Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks</i> |
| Energy Act Requirements | 25% | |
| Total | 100% | |

| WB Wisconsin Class B UST System Operator | | 60 multiple-choice questions Exam fee: \$75 Open book—2-hour time limit |
|--|-------------|---|
| Content Area | % of Total | References |
| UST Systems | 17% | 1. Wisconsin Administrative Code, Department of Commerce, Chapter Comm 10, <i>Flammable, Combustible, and Hazardous Liquids</i> |
| Operating Requirements | 18% | |
| Release Detection | 15% | 2. EPA 510-B-00-008 <i>Operating and Maintaining Underground Storage Tank Systems</i> , August 2000 |
| Recordkeeping | 15% | |
| Release Reporting and Confirmation | 8% | 3. EPA 40 CFR Part 280 Subparts A-H <i>Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks</i> |
| Energy Act Requirements | 27% | |
| Total | 100% | |

Code Council UST/AST State-specific Examinations (continued)

W5 Wyoming State Specific Class B AST Operator

Wyoming will issue a Class B AST license to individuals who pass the Wyoming W5 exam.

50 multiple-choice questions
Exam fee: \$75
Open book—1-1/2-hour time limit

| Content Area | % of Total | References |
|--|-------------|--|
| Release Detection | 32% | 1. Wyoming Storage Tank Act of 2007, W.S. 35-11-1414 through 1430 (Wyoming Statute Title 35: Public Health and Safety, Chapter 11: Environmental Quality, Article 14: Storage Tanks) |
| Corrosion Protection | 12% | |
| Construction Standards for Aboveground Storage Tanks | 20% | 2. Wyoming Department of Environmental Quality, Water Quality Rules and Regulations, Chapter 17, Storage Tanks |
| Corrective Action Account & Financial Responsibility Account | 8% | |
| Overfill Prevention, Spill Prevention, and Release Reporting | 12% | 3. Wyoming Water Quality Rules and Regulations, Chapter 4: Regulations for Releases of Oil and Hazardous Substances into Waters of the State of Wyoming |
| General Operating Requirements | 16% | |
| Total | 100% | 4. 2009 <i>International Fire Code</i> [®] , Chapters 22 and 34 |
| <p>NOTES: A booklet titled Wyoming State Specific AST and UST Operator Examination References, containing references #1-#4 and available for purchase from ICC by calling 800-786-4452 or online at www.iccsafe.org/store, is permitted to be used at the test site. This booklet is <u>not</u> provided by the test site.</p> | | |

W6 Wyoming State Specific Class A Storage Tank Operator

Note: Wyoming will issue a Class A and Class B license to individuals who have passed the W6 exam. Wyoming will issue only a Class B UST license to individuals who pass the ICC BU exam.

50 multiple-choice questions
Exam fee: \$75
Open book—1-1/2-hour time limit

| Content Area | % of Total | References |
|--|-------------|--|
| Release Detection | 28% | 1. Wyoming Storage Tank Act of 2007, W.S. 35-11-1414 through 1430 (Wyoming Statute Title 35: Public Health and Safety, Chapter 11: Environmental Quality, Article 14: Storage Tanks) |
| Corrosion Protection | 11% | |
| Aboveground Storage Tanks | 8% | 2. Wyoming Department of Environmental Quality, Water Quality Rules and Regulations, Chapter 17, Storage Tanks |
| Corrective Action Account & Financial Responsibility | 10% | |
| Overfill Prevention, Spill Prevention, and Release Reporting | 15% | 3. Wyoming Water Quality Rules and Regulations, Chapter 4: Regulations for Releases of Oil and Hazardous Substances into Waters of the State of Wyoming |
| General Operating Requirements | 28% | |
| Total | 100% | |
| <p>NOTES: A booklet titled Wyoming State Specific AST and UST Operator Examination References, containing references #1-#2 and available for purchase from ICC by calling 800-786-4452 or online at www.iccsafe.org/store, is permitted to be used at the test site. This booklet is <u>not</u> provided by the test site.</p> <p>— Older copies of this booklet have a September 2005 version of Chapter 17 which does not contain PART L, Section 46: <i>Licensing of Operators of Storage Tanks</i>. If your booklet does not contain Section 46, you will need to also obtain a 2008 version of Chapter 17 from the Wyoming State DEQ for use during the exam.</p> | | |

Most examination references listed in this bulletin are available from the ICC Store, unless noted otherwise. Call 1-800-786-4452 or go to www.iccsafe.org and click on Store.

Sample questions are available for most examinations on our website: To get an idea of the style and format (not content) of questions on the examinations, to go www.iccsafe.org/ust-ast, choose the category and then examination you wish to retrieve information on, then click on "Sample."

Exam References

To order examination references listed in this bulletin, call 1-800-786-4452 or go to www.iccsafe.org and click on Store.

PLEASE NOTE:

The *Vapor Recovery System Examination References* book, available from ICC, is used for the VI, VR, and VT examinations.

This reference book contains 13 parts, or subtitles.

- VT Vapor Recovery System Testing and Repair exam—questions are referenced to Parts 2–13
 - VR Vapor Recovery System Repair exam—questions are referenced to Parts 4–13
 - VI Vapor Recovery System Installation and Repair exam—questions are referenced to Parts 1-9
-
1. California Code of Regulations, Title 23, Division 3, Chapter 16—Underground Storage Tank Regulations
 2. California Health and Safety Code, Division 20, Chapter 6.7—Underground Storage of Hazardous Substances
 3. California Code of Regulations, Title 8, Section 5157—Permit-required Confined Spaces
 4. California Air Resources Board: Executive Order VR-101-E
 5. Operation and Maintenance Manual for Executive Order VR-101-E
 6. California Air Resources Board: Executive Order VR-201-A
 7. Operation and Maintenance Manual for Executive Order VR-201-A
 8. California Air Resources Board: Vapor Recovery Equipment Defects (VRED) List, 2005
 9. California Air Resources Board: CP-201—Certification Procedures for Vapor Recovery Systems of Gasoline Dispensing Facilities, 2005
 10. Vapor Recovery Test Procedures, TP-201.1C, Leak Rate of Drop Tube/Drain Valve Assembly, California Air Resources Board.
 11. Vapor Recovery Test Procedures, TP-201.1D, Leak Rate of Drop Tube Overfill Prevention Devices and Spill Container Drain Valves, California Air Resources Board.
 12. Vapor Recovery Test Procedures, TP-201.14, Dynamic Back Pressure, California Air Resources Board.
 13. Vapor Recovery Test Procedures, TP-201.1C, Compliance Determination of Liquid Removal Rate, California Air Resources Board.

Exam References (continued)

To order examination references listed in this bulletin, call 1-800-786-4452 or go to www.iccsafe.org and click on Store.

PLEASE NOTE:

The *PSCAA Vapor Recovery System Examination References* book, available from ICC, is used for the PR and PT examinations.

This reference book contains 21 parts, or subtitles.

- PR Vapor Recovery System Installation and Repair exam—questions are referenced to Parts 1-12
 - PT Vapor Recovery System Testing exam—questions are referenced to Parts 2-4 and 6-21
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1. Chapter 173-360 WAC, Underground Storage Tank Regulations, Parts I, II, and III
 2. PSCAA Regulation II, Section 2.07 Gasoline Dispensing Facilities
 3. California Air Resources Board: Executive Order VR-101-L
 4. California Air Resources Board: Installation, Operation, and Maintenance Manual for Executive Order VR-101-L
 5. California Air Resources Board: Executive Order G-70-209
 6. California Air Resources Board: Executive Order G-70-52-AM
 7. California Air Resources Board: Amendments to Executive Order G-70-191-AA (Approval Letter #05-01)
 8. California Air Resources Board: Executive Order G-70-191-AA
 9. California Air Resources Board: Installation, Operation, and Maintenance Manual for Executive Order G-70-191-AA
 10. California Air Resources Board: Vapor Recovery Equipment Defects (VRED) List, 2005
 11. California Air Resources Board: CP-201—Certification Procedures for Vapor Recovery Systems of Gasoline Dispensing Facilities, 2006
 12. EPA 510-B-00-08 Operating and Maintaining Underground Storage Tank Systems, August 2000
 13. Vapor Recovery Test Procedures, TP-201.1B, Static Torque of Rotatable Stage I Adaptors, California Air Resources Board
 14. Vapor Recovery Test Procedures, TP-201.1C, Leak Rate of Drop Tube/Drain Valve Assembly, California Air Resources Board
 15. Vapor Recovery Test Procedures, TP-201.1D, Leak Rate of Drop Tube Overfill Prevention Devices and Spill Container Drain Valves, California Air Resources Board
 16. Vapor Recovery Test Procedures, TP-201.1E, Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves, California Air Resources Board
 17. Vapor Recovery Test Procedures, TP-201.3, Determination of 2 Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities (Static Pressure Decay), California Air Resources Board
 18. Vapor Recovery Test Procedures, TP-201.3C, Determination of Vapor Piping Connections to Underground Gasoline Storage Tanks (Tie-Tank Test), California Air Resources Board
 19. Vapor Recovery Test Procedures, TP-201.4, Dynamic Back Pressure, California Air Resources Board
 20. Vapor Recovery Test Procedures, TP-201.5, Air to Liquid Volume Ratio, California Air Resources Board
 21. Vapor Recovery Test Procedures, TP-201.6C, Compliance Determination of Liquid Removal Rate, California Air Resources Board