Title 448 WAC

STATE TOXICOLOGIST

Chapters
448-13 Administration of breath test program.
448-15 Administration of breath alcohol screening test.

Chapter 448-13 WAC

ADMINISTRATION OF BREATH TEST PROGRAM

WAC 448-13-030 Definitions. (1) "Accuracy" means the proximity of a measured value to a reference value.
(2) "Alcohol" means the unique chemical compound ethyl alcohol.
(3) "Blank test" means the testing of a DataMaster instrument to ensure that no alcohol from a previous test can interfere with a person's breath test.
(4) "Breath alcohol analysis" means analysis of a sample of a person's expired breath, using a breath testing instrument designed for this purpose, which instrument is approved by the state toxicologist, in order to determine the alcohol concentration in that breath sample.
(5) "Breath test document" means the form which is printed by the DataMaster on the completion of a breath alcohol test.
(6) "Calibration" means the process of standardizing the DataMaster using a certified simulator solution to allow by proportion, the measurement of the alcohol concentration of a person's breath. Calibration will be performed periodically as required and at least once a year during quality assurance.
(7) "Certified" when used in conjunction with breath test personnel means an operator, instructor, solution changer or technician possessing a valid permit.
(8) "Certified simulator solution" means an alcohol/water solution prepared and tested by an approved protocol, and meeting the criteria specified therein.
(9) "Certified test" means a test conducted in accordance with WAC 448-13-040 and 448-13-050. A test which meets these requirements as determined from the breath test document is a certified test.
(10) "Concentration" means the weight amount of alcohol, expressed in grams, contained in two hundred ten liters of breath or alcohol/water vapor.
(11) "DataMaster" means BAC Verifier DataMaster, instruments including those carrying the designation BAC Verifier DataMaster II, and the BAC DataMaster. These are the only approved breath test instruments in the state of Washington.
(12) "Data base" means information collected primarily for the purposes of statistical analysis of patterns of drinking and driving in the state of Washington.
(13) "Data entry" means the process of providing information through a keyboard to the DataMaster for the purposes of (a) identifying a breath test document to an individual, and (b) statistical analysis.
(14) "Interference" means a test result whose infrared absorbance properties are not consistent with ethanol.
(15) "End expiratory breath" means the last portion of breath to be delivered to the DataMaster once the appropriate sample acceptance criteria have been met.
(16) "External standard test" means the use of a simulator containing a certified simulator solution, to provide a known alcohol vapor concentration to test the accuracy and proper working order of the DataMaster and confirm its calibration at the time of a person's breath test. This test of the function of the DataMaster is performed with every breath test. The external standard test does not calibrate the DataMaster.
(17) "Internal standard test" means the use of a quartz filter to provide a check that the instrument has maintained calibration since the last time calibration was performed and is in proper working order at the time of the test.
(18) "Precision" means the ability of a technique to perform a measurement in a reproducible manner.
(19) "Procedure" and "method" are used interchangeably to indicate a series of steps which, when carried out as directed, constitute the means by which a given task is performed in a reproducible manner.
(20) "Protocol" means the written record of any method or procedure.
(21) "Quality assurance program" means an ongoing program designed to perform preventative maintenance and identify potential defects before they affect the operation of the instrument.
(22) "Simulator" means a device which when filled with a certified simulator solution, maintained at a known temperature, provides a vapor sample of known alcohol concentration.
(23) "Software" means the computer program stored in the DataMaster which allows it to operate.
(24) "Valid breath sample" means a sample of a person's breath provided in such a manner to be accepted for analysis by the DataMaster.


WAC 448-13-040 Administration of breath test on the DataMaster. The following method for performing a breath test is approved by the state toxicologist pursuant to WAC 448-13-130 and includes the following safeguards to be observed by the operator prior to the test being performed. It must be determined that: (1) The person does not vomit or have anything to eat, drink, or smoke for at least fifteen minutes prior to administration of the test; and (2) the subject does not have any foreign substances, not to include dental...
work, fixed or removable, in his or her mouth at the begin­
ing of the fifteen minute observation period. Such determi­nation shall be made by either an examination of the mouth or a denial by the person that he or she has any foreign sub­stances in mouth. A test mouthpiece is not to be considered a foreign substance for purposes of this section. If a subject is wearing jewelry or ornamentation pierced through their tongue, lips, cheek, or other soft tissues in the oral cavity, they will be required to remove this prior to conducting the breath test. If the subject declines, they will be deemed to have a physical limitation rendering them incapable of providing a valid breath sample and will be required to provide a blood sample under the implied consent statute, RCW 46.20.308.

The temperature of the solution in the simulator prior to the start of the test must be thirty-four degrees centigrade plus or minus 0.2 degrees centigrade. During the test the person will be required to provide at least two valid breath samples. A refusal to provide a valid breath sample at any point during the test will constitute a refusal. The results of the test will be provided in the form of a printout on a breath test document. These results will indicate the grams of alcohol per two hun­
dred ten liters of breath.

WAC 448-13-050 Test defined. The test of a person's breath for alcohol concentration using the DataMaster shall consist of the person insufflating end-expiratory air samples at least twice into the instrument, sufficient to allow two separate measurements. There will be sufficient time between the provision of each sample to permit the instrument to measure each sample individually. Two valid breath samples, provided consecutively, will constitute one test.

The DataMaster will perform this test according to the following protocol when being employed to measure an indi­
vidual's breath alcohol concentration. Any test not performed according to the following protocol is not a valid test. Suc­cessful compliance with each step of this protocol is deter­
mined from an inspection of the breath test document. These steps are necessary to ensure accuracy, precision, and confi­
dence in each test.

Step 1. Data entry.
Step 2. Blank test with a result of .000.
Step 3. Internal standard verified.
Step 4. First breath sample provided by subject.
Step 5. Blank test with a result of .000.
Step 6. External standard simulator solution test. The result of this test must be between .072 and .088 inclusive.
Step 7. Blank test with a result of .000.
Step 8. Second breath sample provided by subject.
Step 9. Blank test with a result of .000.

WAC 448-13-060 Validity and certification of test results. A test shall be a valid test and so certified, if the
requirements of WAC 448-13-040, 448-13-050 and 448-13-
055 are met, and in addition the following criteria for preci­sion and accuracy, as determined solely from the breath test document, are met:

1. The internal standard test results in the message "ver­i­fied."

2. In order to be valid, the two breath samples must agree to within plus or minus ten percent of their mean. This shall be determined as follows:
   a. The breath test results shall be reported, truncated to three decimal places.
   b. The mean of the two breath test results shall be calcu­
      lated and rounded to four decimal places.
   c. The lower acceptable limit shall be determined by multiplying the above mean by 0.9, and truncating to three decimal places.
   d. The upper acceptable limit shall be determined by multiplying the mean by 1.1 and truncating to three decimal places.
   e. If the results fall within and inclusive of the upper and lower acceptable limits, the two breath samples are valid.

3. The simulator external standard result must lie between .090 to .110 inclusive for tests conducted prior to April 1, 1999, and .072 to .088 inclusive for tests conducted on or after April 1, 1999. This provision is remedial in nature and applies to any judicial or administrative proceeding con­
ducted after April 27, 1999.

4. All four blank tests must give results of .000. If these criteria are met, then these and no other factors are necessary to indicate the proper working order of the instrument, and so certify it, at the time of the breath test.

WAC 448-13-065 Interpretation of breath test results for purposes of sentencing. The subject’s presumed breath alcohol content for the purposes of sentencing shall be determined by taking the lower of the two subject sample breath test results, and truncating this to two decimal places. (E.g., if a person’s two breath test results were 0.106 and 0.121, the person’s presumed breath alcohol content would be 0.10 g/210L.)

The trier of fact must however inspect and consider the results of the tests of both breath samples as they appear on the breath test document, to ensure that the requirements of WAC 448-13-060 are met.

WAC 448-13-070 External standard simulator solution. In order to validate and certify the proper working order of the DataMaster at the time of a person's breath test, the vapor from a certified external standard simulator solution will be tested, separated by blank tests, between the two valid breath samples provided by the subject per WAC 448-13-
050. This test of the vapor from the certified external stan­
dard simulator solution concentration, by the infrared tech­
nique employed by the DataMaster, will confirm the certifi­
cation of the person's test results as they appear on the breath test document, provided that the results of such analysis also meet the criteria of WAC 448-13-060. The solution will be replaced no more than sixty days from the date of its installation. As there is no meaningful way to interpret data resulting from reanalysis of the simulator solution following its removal after use on a DataMaster instrument, collection and reanalysis of such solutions is neither recommended nor approved by the state toxicologist. The internal standard test conducted with every breath test provides a check that the instrument has remained in calibration while in use in the field.

WAC 448-13-080 Preparation and certification of external standard simulator solution. The external standard simulator solutions shall be prepared by the forensic toxicology staff or by persons certified as technicians in the state toxicology laboratory, using standard laboratory procedures, in such a manner that when heated to 34°C ± 0.2°C it will produce a vapor with an ethanol concentration of between .072 and .088 inclusive, at the time of the test. The principle used for the preparation of the simulator solutions is that a 0.0984 g/100 mL solution will give a vapor ethanol concentration at 34°C of 0.080 g/210 L. The protocol which shall be followed for the preparation and certification of the external standard simulator solution will be that protocol currently approved and authorized by the state toxicologist according to WAC 448-13-130 and conforming to WAC 448-14-010. Details of the currently approved and authorized protocols are available upon request from the office of the state toxicologist. Sworn statements regarding the preparation, testing, and certification of the simulator solution are available under the provisions of CrRLJ 6.13. The simulator solution shall have an expiration date of one calendar year following the date of its preparation. Alternatively, simulator solutions may be purchased from a vendor approved by the state toxicologist.

WAC 448-13-140 Instructors. The state toxicologist shall certify persons found by him to be competent and qualified, as "instructors." Instructors are authorized to administer breath tests for alcohol concentration using the DataMaster and are further authorized to train and certify as operators, according to outlines approved by the state toxicologist, those persons the instructor finds qualified to administer the breath test utilizing the DataMaster breath test instrument. Instructors who are also certified as PBT technicians may instruct other individuals as PBT technicians according to the approved outlines. Details of persons certified as instructors shall be maintained by the state toxicologist and available upon request.

If an instructor fails or refuses to demonstrate to the state toxicologist or to his representative, that they have the ability to adequately perform their responsibilities as an instructor, then the state toxicologist will suspend their permit.

WAC 448-13-170 Technicians. The state toxicologist shall certify as "technicians" such persons found by him to be competent and qualified to maintain the proper working order of the DataMaster infrared breath testing instrument, through adjustment, repair, and regular service. Further, technicians are authorized by the state toxicologist to prepare simulator external standard solutions and to perform the procedures approved for periodic quality assurance of the DataMaster instruments as required pursuant to WAC 448-13-110. Details of persons so certified shall be maintained by the state toxicologist and available upon request.

Technicians are authorized to perform maintenance, calibration and instruction in the use of the portable breath test devices.

Technicians are also authorized to instruct persons otherwise qualified as "instructors," "operators," and "solution changers" according to training outlines approved by the state toxicologist. Certified technicians are themselves authorized to perform the duties of "instructors," "operators," and "solution changers." Electronics technicians who repair component parts of the DataMaster, and who are not certified as technicians under this section, are not authorized to conduct quality assurance, conduct training, or perform duties in the above categories.

If a technician fails or refuses to demonstrate to the state toxicologist or his representative, that he or she has the ability to adequately perform his or her responsibilities as a technician, then the state toxicologist will suspend their permit.

WAC 448-13-180 Permit cards. The state toxicologist shall authorize the issuance to persons deemed qualified as "instructors," "operators," "solution changers" or "technicians," a wallet-sized card bearing his or her name and designation. Permit cards shall bear the signature or facsimile signature of the state toxicologist. Such permit cards shall expire three years after the date on the card, unless renewed for a like three-year period. Operators whose authorization expires may take recertification training within ninety days following expiration of their prior certification, but are not certified to perform any evidential breath tests during that period. Once ninety days have elapsed after the expiration of authorization, the operator must repeat the basic certification training.

WAC 448-13-210 Address for correspondence. Information regarding instrument records, or the certification of
operators, instructors, solution changers, and technicians should be obtained from the Washington State Patrol, Breath Test Section, 811 E. Roanoke, Seattle, WA 98102.

Persons seeking information regarding other aspects of the breath alcohol testing program shall direct their request initially to the State Toxicologist, State Toxicology Laboratory, University of Washington, Department of Laboratory Medicine, 2203 Airport Way S., Seattle, WA 98134.

Chapter 448-15 WAC
ADMINISTRATION OF BREATH ALCOHOL SCREENING TEST

WAC 448-15-010 Approval of devices. The following preliminary breath test (PBT) instruments are approved for use in the state of Washington as breath alcohol screening devices, subject to the requirements outlined in the following sections:

Alcosensor III (Intoximeters, St. Louis, MO).

Any other instruments on the National Highway Traffic Safety Administration (NHTSA) approved products list will be considered for approval in Washington state on application to the state toxicologist, providing that a suitable program for maintenance, certification and operator training is also established and approved.


WAC 448-15-020 Use of test results. The devices described in WAC 448-15-010 are approved for use in aiding police officers to form probable cause that a subject has committed an offense involving the consumption of alcohol. The test results, when obtained by a trained operator using an approved device which has been maintained and certified according to the rules described below, and carried out according to the approved test protocol, will show to a reasonable degree of scientific certainty, the test subject's breath alcohol concentration. The results are therefore suitable to show whether an officer has probable cause to place a person under arrest for alcohol related offenses. These results may not be used on their own for determining, beyond a reasonable doubt, that a person's breath alcohol concentration exceeds a proscribed level such as anticipated under the 'per se' statutes for intoxication.

This preliminary breath test is voluntary, and participation in it does not constitute compliance with the implied consent statute (RCW 46.20.308).


WAC 448-15-030 Test protocol. After advising the subject that this is a voluntary test, and that it is not an alternative to an evidential breath alcohol test as described in chapter 448-13 WAC, the operator shall determine by observation or inquiry, that the subject has not consumed any alcohol in the fifteen minutes prior to administering the test. If the subject has consumed alcohol during that period, the officer should not administer the screening test for probable cause purposes until fifteen minutes have passed. If the subject responds that they have not consumed any alcohol in the last fifteen minutes, the officer may offer the subject the opportunity to provide a breath sample into the PBT. If the subject consents, the operator will check the temperature of the device to ensure that it is within the normal operating range. The operator will then press the "read" button to obtain a sample of ambient air, and ensure that this results in a reading of 0.003 or less. The subject will be asked to exhale into the device. The device will be activated towards the end of the subject's exhalation, to capture a portion of end expiratory breath for analysis.


WAC 448-15-040 Certification. Any PBT used as described in the preceding sections, must be certified at least every six months. In order to certify a PBT as accurate, the testing shall include at a minimum, a blank test of room air which must give a result of less than 0.005g/210L, and a test of a certified dry gas alcohol standard. The instrument must accurately measure the reference value within ± 0.010g/210L. A record of certification must be kept by the person responsible for calibration. Certification of PBTs can be performed by persons certified by the state toxicologist as PBT technicians, or by factory authorized representatives, provided that the protocol for certification approved by the state toxicologist is followed.


WAC 448-15-050 PBT operators. Persons certified as DataMaster operators as described in WAC 448-13-150, who received their certification or recertification after September 1, 1998, shall be trained and authorized to perform the tests described herein on the PBT, for the purposes outlined in this section.


WAC 448-15-060 PBT technicians. Persons trained according to approved outlines prepared by the state toxicologist, in the proper procedures for certifying PBTs shall be certified as PBT technicians. Their responsibilities will include performing periodic certification and maintaining records on such certification. Wallet sized permits shall be issued to persons so qualified. The certification received on successful completion of the training must be renewed every three years. Persons certified as DataMaster technicians as described in WAC 448-13-170 are also certified to perform all the duties of PBT technicians.
Title 456 WAC: Tax Appeals, Board of

Title 456 WAC
TAX APPEALS, BOARD OF

WAC

456-12-010 Repealed.
456-12-015 Purpose of this chapter.
456-12-020 Repealed.
456-12-025 Definitions.
456-12-030 Repealed.
456-12-035 Description of the board.
456-12-040 Repealed.
456-12-045 Public records available.
456-12-050 Repealed.
456-12-055 Public records officer.
456-12-060 Repealed.
456-12-065 Communications with the board.
456-12-070 Records indexes.
456-12-075 Records indexes.
456-12-080 Repealed.
456-12-085 Fees.
456-12-090 Repealed.
456-12-095 Requesting public records.
456-12-100 Repealed.
456-12-105 Denying requests for public records.
456-12-110 Repealed.
456-12-115 Reviewing denials of requests for public records.
456-12-120 Repealed.
456-12-130 Repealed.
456-12-140 Repealed.

Disposition of Sections Formerly Codified in this Chapter

456-12-010 Purpose. [Statutory Authority: RCW 82.03.170 and 47.17.250, 89-10-058 (Order 89-04), § 456-12-010, filed 5/2/89.] Repealed by 99-13-098, filed 6/15/99, effective 7/16/99.

456-12-020 Definitions. [Statutory Authority: RCW 82.03.170 and 47.17.250, 89-10-058 (Order 89-04), § 456-12-020, filed 5/2/89.] Repealed by 99-13-098, filed 6/15/99, effective 7/16/99.

456-12-030 Description of organization and public meeting. [Statutory Authority: RCW 82.03.170 and 47.17.250 through 42.17.320, 90-11-107, § 456-12-030, filed 5/22/90, effective 6/22/90. Statutory Authority: RCW 82.03.170 and 41.17.250, 89-10-058 (Order 89-04), § 456-12-030, filed 5/2/89.] Repealed by 99-13-098, filed 6/15/99, effective 7/16/99.

456-12-040 Public records available. [Statutory Authority: RCW 82.03.170 and 47.17.250, 89-10-058 (Order 89-04), § 456-12-040, filed 5/2/89.] Repealed by 99-13-098, filed 6/15/99, effective 7/16/99.

456-12-050 Communications with the board. [Statutory Authority: RCW 82.03.170 and 47.17.250, 89-10-058 (Order 89-04), § 456-12-050, filed 5/2/89.] Repealed by 99-13-098, filed 6/15/99, effective 7/16/99.

456-12-060 Public records officer. [Statutory Authority: RCW 82.03.170 and 47.17.250, 89-10-058 (Order 89-04), § 456-12-060, filed 5/2/89.] Repealed by 99-13-098, filed 6/15/99, effective 7/16/99.

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