

# UTAH DEPARTMENT OF TRANSPORTATION

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## TTQP TRANSPORTATION TECHNICIAN QUALIFICATION PROGRAM



### On-the-Job Training

The UDOT Quality Assurance program requires individuals who perform Quality Control, Verification, Acceptance and Independent Assurance sampling and testing functions for the agency, contractor, vendor, or private labs be qualified under the UDOT TTQP. The On-the-Job Training program provides a means for a technician to perform acceptance testing while in training with a qualified technician.

### Manual of Instruction Part 8, Section 1014 states:

“The purpose of the Transportation Technician Qualification Program (TTQP) is to ensure quality sampling and testing of materials during highway construction through certification of industry and department personnel.”

“Through a cooperative program of training, study and examination, technicians will be able to better ensure satisfactory materials control, identification of poor quality materials, and proper documentation for such. This program will allow the department to ensure that all tests performed on materials for acceptance are performed in accordance with the specified test procedures by qualified technicians.”

### Transportation Technician Qualification Program:

The technician performing sampling and testing for a UDOT project must be trained in the respective areas of testing. Training provides a basic understanding of materials that will be used and the knowledge of sampling and testing techniques.

Prior to qualification, all technicians are eligible to receive on-the-job training on an individual basis under the direction of a TTQP qualified supervisor or technician. Upon demonstrating competency, proficiency and familiarity with the applicable sampling and testing procedures, the technician may perform testing duties with little or no direct supervision.

### Testing Technician Training

All persons performing sampling and testing for a UDOT project must be trained and qualified in the respective areas of testing. Training provides a basic understanding and knowledge of sampling and testing procedures. Technicians must also be familiar with the equipment that is required for testing and how to operate it correctly.

Prior to qualification, all technicians are to receive training under the direction of UDOT qualified lab supervisors or senior technicians.

Documentation of training is required for qualification registration. The On-the-Job Training (OJT) program, as outlined in 1014.2.2, has been developed as one method to satisfy the training requirement.

Activities involved in On-the-Job Training (OJT) may include; performing the test methods (field operating procedures), visual observation of test procedures, reviewing test methods within the manual, classroom presentations and demonstrations, reviewing how test equipment is used, etc.

Acceptance testing on UDOT projects may only be performed by:

1. A TTQP-qualified technician.
2. A UDOT-employed OJT technician under the immediate supervision and complete control of a present UDOT-qualified Supervisor / Trainer who certifies that the test was performed properly and affixes their own name to the report. The OJT technician may not certify the test.

**It is necessary that a technician receives training in all of the test methods that are included in a certification area. Training in only one or two test methods will not adequately prepare the technician for the certification exams.**

### Websites:

WAQTC: <http://www.waqtc.org/>

UDOT TTQP: <https://app.udot.utah.gov/prod/mat/f?p=209:1000:::NO::>

UDOT Materials Quality Assurance Manual (MOI Part 8 Section 1014):  
<https://www.udot.utah.gov/main/uconowner.gf?n=26565724381348058>

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