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microscope. Visual examination of tissue requires a compound light microscope. Visual examination of loosely attached or accompanying material requires a centrifuge and shaker.

(iii) *Incubation.* Required equipment includes incubation chambers, laminar flow hoods, media preparation equipment, scales, pH meters, distilled and sterile water, gas burners, an autoclave, and the appropriate media for the specified tests.

(iv) *Grow-out tests.* Grow-out tests require a greenhouse, growth chamber, or an outdoor quarantine location, and access to a laboratory that is fully equipped to carry out any required diagnostic tests.

(v) *Serological tests.* These tests require grinding, extraction, and sample purification equipment; fluorescent microscopes; plate readers; spectrophotometers; and the appropriate assay materials; or the appropriate equipment to use field ready test kits.

(vi) *DNA probes.* To conduct these tests, a laboratory must be equipped with polymerase chain reaction (PCR) equipment, including thermal cyclers, electrophoresis and gel blotting equipment, and the reagents and DNA polymerases necessary to conduct the PCR.

(3) *Methods of testing and inspection.* The facility must conduct its laboratory seed health testing and seed crop phytosanitary inspection procedures in accordance with Reference Manual B. The facility must have a quality manual documenting its quality system for laboratory seed health testing and seed crop phytosanitary inspection procedures. The quality system must follow the general guidelines described in ANSI/ASQC Q9001–1994, *American National Standard: Quality Systems-Model for Quality Assurance in Design, Development, Production, Installation and Servicing.* Acceptable models for quality systems for accredited facilities are also described in detail in Reference Manual A, which is incorporated by reference at §300.3 of this chapter. The personnel who perform the testing and inspection services must comply with the quality manual, and management must enforce this compliance. The facility must maintain documented procedures for identification, collection, indexing, access, filing, storage, maintenance, and disposition of quality system records. The facility must maintain quality system records to demonstrate conformance to the quality manual and the effective operation of the quality system.

(4) *Personnel.* There must be a selection procedure and a training system to ensure technical competence of all staff members. The education, technical knowledge, and experience required to perform assigned test and inspection functions must be documented and clearly defined. In addition:

(i) Evaluation of plant or tissue samples must be undertaken by a plant pathologist or by laboratory technicians under the supervision of a plant pathologist, who may provide such supervision either on-site, or from a remote location. Where personnel are required to be trained at a facility to evaluate the particular types of plants or tissue samples handled by the facility, the training program must be evaluated by APHIS and determined to be effective.

(ii) All staff must have access to and be familiar with the reference materials, guides, and manuals required for the routine performance of the tests and inspections they conduct.

(Approved by the Office of Management and Budget under control number 0579–0130)

[66 FR 37400, July 18, 2001, as amended at 67 FR 8466, Feb. 25, 2002]

PART 354—OVERTIME SERVICES RELATING TO IMPORTS AND EXPORTS; AND USER FEES

Sec.

354.1 Overtime work at border ports, sea ports, and airports.
354.2 Administrative instructions prescribing commuted traveltime.
354.3 User fees for certain international services.
354.4 User fees for certain domestic services.
354.5 Penalties for nonpayment or late payment of user fees.

AUTHORITY: 7 U.S.C. 7701–7772, 7781–7786, and 8301–8317; 21 U.S.C. 136 and 136a; 49 U.S.C. 80503; 7 CFR 2.22, 2.80, and 371.3.