

**641—39.2(136C) Definitions.** The definitions contained in 10 CFR Parts 19, 20, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 70, 71, and 150 as amended to August 1, 2025, and adopted by reference, apply to the provisions of this chapter. The definitions provided in 641—Chapters 37, 38, 40, and 42 may also apply. Additionally, the definitions set forth below are specific to this chapter.

“*Agreement state*” means any state with which the U.S. Nuclear Regulatory Commission or the U.S. Atomic Energy Commission has entered into an effective agreement under Subsection 274b of the Atomic Energy Act of 1954 as amended to August 1, 2025 (73 Stat. 689). The state of Iowa is an agreement state as of January 1, 1986.

“*ANSI*” means the American National Standards Institute.

“*Cabinet X-ray system*” means an X-ray system with the X-ray tube installed in an enclosure independent of existing architectural structures, except the floor upon which it may be placed. The cabinet X-ray system is intended to:

1. Contain at least that portion of a material being irradiated;
2. Provide radiation attenuation; and
3. Exclude personnel from its interior during generation of radiation. Included are all X-ray systems designed primarily for the inspection of carry-on baggage at airline, railroad, and bus terminals and in similar facilities. An X-ray tube used within a shielded part of a building, or X-ray equipment that may temporarily or occasionally incorporate portable shielding, is not considered a cabinet X-ray system.

“*Certifiable cabinet X-ray system*” means an existing uncertified X-ray system that has been modified to meet certification requirements specified in 21 CFR 1020.40.

“*Certified cabinet X-ray system*” means an X-ray system that has been certified in accordance with 21 CFR 1010.2 as being manufactured and assembled pursuant to the provisions of 21 CFR 1020.40.

“*Certifying entity*” means an independent certifying organization meeting the requirements of Appendix A in 10 CFR Part 34 or an agreement state meeting the requirements in Appendix A, Parts II and III, of 10 CFR Part 34.

“*Collimator*” means a small radiation shield of lead or other heavy metal that is placed on the end of a guide tube or directly onto a radiographic exposure device to restrict the size of the radiation beam when the sealed source is cranked into position to make a radiographic exposure.

“*Commission*” or “*NRC*” means the Nuclear Regulatory Commission or its duly authorized representatives.

“*Diagnostic clinical procedures manual*” means a collection of written procedures that describes each method (and other instructions and precautions) by which the licensee performs diagnostic clinical procedures; describes where each diagnostic clinical procedure has been approved by the authorized user; and includes the radiopharmaceutical, dosage, and route of administration.

“*Enclosed radiography*” means industrial radiography conducted in an enclosed cabinet or room and includes cabinet radiography and shielded-room radiography.

“*Field station*” means a facility where registered radiation machines may be stored or used and from which equipment is dispatched.

“*GED*” means general educational development.

“*Iowa HHS*” means the Iowa department of health and human services. For purposes of this chapter, this definition applies unless otherwise specified. For any CFR provisions incorporated by reference in this chapter that use the term “department,” the definition provided in 10 CFR 50.2 applies.

“*Major processor*” means a user processing, handling, or manufacturing radioactive material exceeding Type A quantities as unsealed sources or material, or exceeding four times Type B quantities as sealed sources, but does not include nuclear medicine programs, universities, industrial radiographers, or small industrial programs.

“*Minimal threat*” means that during the operations of electronic devices capable of generating or emitting fields of radiation:

1. No deliberate exposure of an individual occurs;
2. The radiation is not emitted in an open beam configuration; and
3. No known physical injury to an individual has occurred.

*“Permanent radiographic installation”* means an enclosed shielded room, cell, or vault, not located at a temporary job site, in which radiography is performed.

*“Radiation safety officer”* means an individual named by the registrant who has a knowledge of, responsibility for, and authority to enforce appropriate radiation protection rules, standards, and practices on behalf of the licensee or registrant and who meets the requirements of subparagraph 39.10(2) “g”(5).

*“Radiographer”* means any individual who has successfully completed the training, testing, and documentation requirements of subparagraph 39.10(2) “g”(2), who performs or personally supervises industrial radiographic operations, and who is responsible to the registrant for ensuring compliance with the requirement of these rules and all license and certificate of registration conditions.

*“Radiographer certification”* means written approval received from a certifying entity stating that an individual has satisfactorily met certain established radiation safety, testing, and experience criteria.

*“Radiographer’s assistant”* means any individual who has successfully completed the training, testing, and documentation requirements of subparagraph 39.10(2) “g”(1) and who uses sources of radiation and related handling tools or radiation survey instruments under the direct supervision of a radiographer trainer.

*“Radiographer trainer”* or *“instructor”* means any individual who instructs and supervises radiographer’s assistants during on-the-job training and who meets the requirements of subparagraph 39.10(2) “g”(3).

*“Radiographic personnel”* means any radiographer or radiographer’s assistant.

*“RAM”* means radioactive materials.

*“Residential location”* means any area where structures in which people lodge or live are located, and the grounds on which such structures are located, including but not limited to houses, apartments, condominiums, and garages.

*“Shielded-room radiography”* means industrial radiography conducted in a room shielded so that radiation levels at every location on the exterior meet the limitations specified in 641—subrule 37.11(11).

*“Temporary job site”* means any location where radiographic operations are conducted and may be stored other than the location(s) listed in a certificate of registration.

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