

**PART 6, APPENDIX 6E: USE OF HAND-HELD X-RAY EQUIPMENT**

6E.1 The following requirements are applicable, as determined by the Department, to any x-ray radiographic device that is designed to be held in the hand during operation.

6E.1.1 Requirements for any location:

- (1) The facility shall adopt and follow procedures provided by the manufacturer regarding the safe operation of the device.
- (2) The facility shall maintain documentation that each operator has completed training as specified by the manufacturer.
- (3) The operator shall ensure there are no bystanders within a radius of at least 2 meters (more than 6 feet) from the patient being examined with a hand-held radiographic unit.
- (4) If a hand-held device was designed with an optional, removable scatter radiation block, it shall be installed and used during patient examination and shall:
  - (a) Provide not less than 0.25 mm lead equivalent;
  - (b) Be at least 15.2 cm (6 inches) in diameter;
  - (c) Be positioned as close as practicable to the distal end of the position indication device.
- (5) When operating a hand-held x-ray system, operators shall:
  - (a) Wear whole body dosimetry in accordance with Part 4, Section 4.6.3; and
  - (b) Wear 0.25 mm lead-equivalent protective apparel, unless the device is used with a scatter shield meeting the requirements of 6E.1.1(4) or as otherwise exempted in writing by the Department.
- (6) In order to prevent repeat imaging due to motion that reduces image quality, motion shall be minimized as much as possible when holding and operating the device. If the operator has difficulty in holding the device stationary, the operator shall use a stand or tripod to immobilize the device.

6E.1.2 Additional requirements for use of hand-held x-ray equipment in permanent facilities:

- (1) A hand-held device shall not be used for patient examinations in hallways and waiting rooms.

6E.2 When not under the control of the operator, the registrant shall secure the hand-held device from unauthorized removal or use.