

Prepublication Requirements

• Issued September 18, 2020 •



EC.02.04.03, EP 34 Edit

The Joint Commission has approved the following revisions for prepublication. While revised requirements are published in the semiannual updates to the print manuals (as well as in the online E-dition®), accredited organizations and paid subscribers can also view them in the monthly periodical The Joint Commission Perspectives®. To begin your subscription, call 800-746-6578 or visit <http://www.jcrinc.com>.

Please note: Where applicable, this report shows current standards and EPs first, with deleted language struck-through. Then, the revised requirement follows in bold text, with new language underlined.

APPLICABLE TO HOSPITAL ACCREDITATION PROGRAMS

Effective January 1, 2021

Environment of Care (EC) Chapter

EC.02.04.03

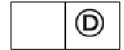
The hospital inspects, tests, and maintains medical equipment.

Element(s) of Performance for EC.02.04.03

Key: **D** indicates that documentation is required;

R indicates an identified risk area;

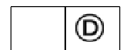
34. For hospitals that provide fluoroscopic services: At least annually, a diagnostic medical physicist conducts a performance evaluation of fluoroscopic imaging equipment. The evaluation results, along with recommendations for correcting any problems identified, are documented. The evaluation includes an assessment of the following:
- Beam alignment and collimation
 - Tube potential/kilovolt peak (kV/kVp) accuracy
 - Beam filtration (half-value layer)
 - High-contrast resolution
 - Low-contrast detectability
 - Maximum exposure rate in ~~all imaging modes~~
 - Displayed air-kerma rate and cumulative-air kerma accuracy (when applicable)



Note 1: Medical physicists conducting performance evaluations may be assisted with the testing and evaluation of equipment performance by individuals who have the required training and skills, as determined by the physicist.

Note 2: This element of performance does not apply to fluoroscopy equipment used for therapeutic radiation treatment planning or delivery.

- 34. For hospitals that provide fluoroscopic services: At least annually, a diagnostic medical physicist conducts a performance evaluation of fluoroscopic imaging equipment. The evaluation results, along with recommendations for correcting any problems identified, are documented. The evaluation includes an assessment of the following:**



- Beam alignment and collimation
- Tube potential/kilovolt peak (kV/kVp) accuracy
- Beam filtration (half-value layer)
- High-contrast resolution
- Low-contrast detectability
- Maximum exposure rate in fluoroscopic mode
- Displayed air-kerma rate and cumulative-air kerma accuracy (when applicable)

Note 1: Medical physicists conducting performance evaluations may be assisted with the testing and evaluation of equipment performance by individuals who have the required training and skills, as determined by the physicist.

Note 2: This element of performance does not apply to fluoroscopy equipment used for therapeutic radiation treatment planning or delivery.