**Section 360.APPENDIX E Minimum Quality Control Program for Medical Accelerators**

a) Mechanical tests

1) Patient support assembly motions

2) Gantry angle indicators

3) Optical distance indicator

4) Alignment lights

5) Congruence of radiation beam and light field

6) Accuracy of field size indicators

7) Mechanical isocenter - gantry and collimator

8) Mechanical interlocks

b) Radiation beam tests

1) Machine operating parameters

2) Dose per monitor unit for x-ray and electron beams

3) Dose per degree for moving beam therapy

4) Radiation isocenter

5) Flatness and symmetry

6) Wedge transmission factors

7) Shadow tray transmission factors

8) Energy check on central axis

9) Radiation output versus field size

c) Control panel checks

1) Radiation "ON" condition

2) Indicator lamp check

3) Computer control of accelerator

d) Facility checks

1) Patient audio-visual communication

2) Entrance door interlock

3) Warning lights

4) Emergency off buttons

e) Control Panel

1) Digital displays

2) Analog displays

3) Status displays

4) Interlock displays

5) Reset display

f) Patient Dosimetry Calculations

1) Calculation of patient treatment times

2) Computer calculations of patient treatment times

(Source: Added at 17 Ill. Reg. 17972, effective October 15, 1993)