



**DEPARTMENT OF HEALTH
DIRECTORATE: RADIATION CONTROL**



GUIDELINES

MINI C-ARM FLUOROSCOPY SYSTEMS

1. Shielding

No additional shielding is required if all non-radiation workers are at a distance of more than 2 m away from the tube-head during operation (provided that the exposure rate due to scattered radiation at a distance of 30 cm at any point from the source is less than 20 mR/h).

2. Operator & Application

Fluoroscopic X-ray examinations with mini C-arm units may only be carried out by qualified radiographers, radiologists and orthopaedic surgeons specifically trained in fluoroscopy procedures with a mini C-arm. C-arm units may be used only for X-ray examinations in a theatre.

The policy of the Department is based on International Guidelines as stated in the following documents:

- NCRP Report No. 102 {1989; paragraph 3.3.4 (e) & (o)}
- NCRP Report No. 107 {1990; p. 54}
- ICRP Publication 57 {1989; paragraph 193}.

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