

X RAY SAFETY CRITICAL EXAMINATION CHECKLIST

A critical examination must be carried out for any

- New equipment
- Significantly modified or repaired equipment
- Equipment which has been moved

The installer is responsible for carrying out the critical examination and an RPA must be consulted. If equipment is manufactured/ installed/modified/repared or moved by a University Department, the University RPA must be consulted via the University Safety Office.

DEPARTMENT:

INSTRUMENT/EQUIPMENT DESCRIPTION:

SOURCE REFERENCE NUMBER (if applicable):

LOCATION:

RADIATION SHIELDING CHECKS:

	PASS/FAIL	COMMENTS/ACTIONS
PERFORMANCE • Dose rate on outside of shielding (where monitored) • Details of monitoring including monitor used (Type, Ref. and SN)		
INTEGRITY • Robust material • Barriers/shielding firmly fixed • Adequate beam stop devices		
CONTAINMENT OF SOURCE (if applicable)		

INSTALLATION INFORMATION – USE AND MAINTENANCE:

	PASS/FAIL	COMMENTS/ACTIONS
USE & MAINTENANCE • Has adequate information on use, testing and maintenance of the equipment been provided		

WARNING SYSTEM CHECKS: (FAILURE SHOULD PREVENT X-RAY TUBE ENERGISING OR SHUTTER OPENING)		
	PASS/FAIL	COMMENTS/ACTIONS
GENERATOR POWER WARNING LIGHT/SIGNAL		
“X-RAY ON” WARNING LIGHT/SIGNAL		
“SHUTTER OPEN” WARNING LIGHT/SIGNAL		
CONTROLLED AREA SIGN		
OTHER WARNING SIGNS SIGNALS		

CONTROL SYSTEM AND INTERLOCK CHECKS:		
	PASS/FAIL	COMMENTS/ACTIONS
EMERGENCY STOP (location/s)		
CONTROL PANEL – KEY CONTROL		
CONTROL PANEL – CONTROLS • Commencement • Interruption • Termination		
EXPOSURE TERMINATES WHEN DOOR/ HATCH OPENS		
INTERLOCK MUST BE RESET MANUALLY		
INTERLOCK NOT EASILY DEFEATABLE		

CRITICAL EXAMINATION CARRIED OUT BY (Print name):

SIGNATURE:

DATE:

Please forward a copy of this form to the University Radiation Protection Adviser

RPA COMMENTS:

SIGNATURE:

DATE: