

Fluoroscopy Control Room

Room Code	FLUO-CTRL
Briefed Area	13.00 m ²
Ceiling Height	2.7 m
Occupancy	up to 2 staff
Hours of Operation	Up to 24 hours

Description | The Fluoroscopy Control Room provides the space and equipment for remote control of fluoroscopy equipment and amenities for the review of images and reporting. Direct visibility of the patient through an observation window and direct access to the imaging room is required.

Electrical	PROTECTION: body protected	☐	HVAC	AIRCONDITIONING: general	☒
	PROTECTION: cardiac protected	☐		AIRCONDITIONING: HEPA filtered	☐
Lighting	LIGHTING: general	☒		AIRCONDITIONING: positive pressure	☐
	LIGHTING: colour corrected	☐		AIRCONDITIONING: negative pressure	☐
	LIGHTING: dimmable	☒		VENTILATION: exhaust	☐
	LIGHTING: indirect	☐		VENTILATION: supply	☐
Nurse Call and Duress	NURSE CALL SYSTEM: buttons / handset	☒	Medical Gas	VENTILATION: natural	☐
	NURSE CALL SYSTEM: annunciator	☐		MEDICAL GAS: general anaesthesia	☐
	DURESS: fixed	☒		MEDICAL GAS: special care	☐
	DURESS: wireless coverage	☒		MEDICAL GAS: special care, neonatal ventilation	☐
Security	ACCESS CONTROL: to door	☐	Hydraulic	MEDICAL GAS: birthing	☐
	ACCESS CONTROL: to item / joinery	☐		WATER: drinking	☐
	INTERCOM: service communications	☒		WATER: specialty	☐
	INTERCOM: security and access control	☐		DRAINAGE: sanitary	☐
	CCTV: camera coverage within room	☐	Fire	DRAINAGE: specialty	☐
	INTRUSION DETECTION: door monitoring	☐		DETECTION: smoke	☒
ICT and Audio Visual	INTRUSION DETECTION: spatial monitoring	☐	Shielding	DETECTION: heat	☐
	AUDIO VISUAL: patient entertainment system	☐		SHIELDING: ionising radiation	☒
	AUDIO VISUAL: visitor experience system	☐	Acoustics	SHIELDING: magnetic and radio frequency	☐
	AUDIO VISUAL: virtual collaboration system	☐		SPEECH PRIVACY:	
	AUDIO VISUAL: clinical support system	☐		not private moderate private confidential	
Accessibility	AUDIO VISUAL: digital operating room system	☐		NOISE SENSITIVITY:	
	AUDIO: hearing augmentation	☐		not sensitive medium sensitive sensitive	
	VISUAL: luminance contrast	☒		NOISE GENERATION:	
	SIGNAGE: accessible, statutory	☐		low moderate high very high	

Additional Considerations

- Cable ducts for services between the imaging device and the control area will be required and must be coordinated with the MME vendor. Additional building services connections and outlets are to be coordinated to suit equipment requirements.
- Radiation shielding requirements are to be assessed and advised by a qualified Radiation Consultant to suit the practice, workload and equipment procured, and all shielding on the Standard Component is indicative.
- An 'X-ray in Use' light system is required with signs that are illuminated when the imaging device is on and turned off when it stops. Signs are to be at all doors entering the room.
- The size, quantity and configuration of computer display screens is to be finalised based on the specific image display and processing task requirements (e.g. number of application windows to be viewed concurrently) and ergonomic considerations. Providing flexibility of monitor positioning is vital to ensure adjustments are possible to meet the ergonomic requirements of different users.

- Provision of height adjustable workstations or fixed joinery is to be in line with service requirements and local WHS policies.
- Hours of operation depend on the service in which this room is located. Ambulatory medical imaging services may only operate during business hours or extended business hours, some small hospital services may have an on-call, after-hours service. Large units are likely to provide a 24-hour service, especially where a satellite service is provided with an emergency department.
- Requirement for fixed and/or mobile duress to be confirmed to suit service requirements.
- An operational model for responding to calls from staff/patients will be needed to support the inclusion of a nurse call system and is to be determined based on service requirements.
- Provision of an intercom for staff communication within the department is dependent on service requirements. This function may be provided as part of the telephone system.
- The need for and extent of emergency power and UPS must be reviewed to suit site specific requirements and confirmed based on risk assessment considering the impact of a power outage on patient care/safety.



Doors and Windows

CODE	DESCRIPTION	COMMENT
DOHI-013.05	DOOR: hinged, 1 leaf, 900 clear opening, solid, shielded, standard vision panel, lead glass	to imaging room
AFDPR-001.01	DOOR PROTECTION: kickplate, to 300H	to control room side
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	to imaging room side
DOHI-013.01	DOOR: hinged, 1 leaf, 900 clear opening, solid, standard vision panel	optional - staff entry from corridor
AFDPR-001.01	DOOR PROTECTION: kickplate, to 300H	to control room side
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	to corridor side, extent dependent on movement of beds and mobile equipment
WIFX-008.03	WINDOW: fixed, internal, single glazed, sill at 1050H, shielded, lead glass	for observation from control room
AHWCV-001	WINDOW COVERING: blind, roller, single	



Finishes

CODE	DESCRIPTION	COMMENT
FLVY-101	FLOOR FINISH: vinyl, seamless, standard slip resistance	
FLSK-021	SKIRTING: vinyl, integral with floor vinyl, coved	
WLFI-002	WALL FINISH: paint, clinical areas	
CLTI-021	CEILING: drop-in tiles, prefinished	
CLCN-041	CORNICE: wall trim fixing, prefinished	



Joinery

CODE	DESCRIPTION	GROUP	QTY	COMMENT
JOBE-061	BENCH: 750D, laminate	1	1	bench height to be confirmed; adjustable height desks may be considered depending on WHS policies and coordination with services and observation window
JOBE-211	BENCH SUPPORT: bracket	1	1	
JOBE-221	BENCH SUPPORT: end panel	1	1	leg support is also acceptable
JOBE-251	CAP: cable access	1	2	



Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIBM-019	WHITEBOARD: fixed, magnetic	②	1	
FIDI-241	DISPENSER: alcohol-based hand rub, wall mounted	②	1	
FIHR-126	RACK: lead apron, multi, wall mounted	②	1	with in wall structural support to product specifications
FIHR-201	BRACKET: central processing unit (CPU), under bench/desk	②	1	
FIHR-221	BRACKET: computer display screen, dual, articulated, bench/desk mounted	②	1	to display/processing workstation
FIHR-408	BRACKET: patient monitor, articulated, wall mounted	②	1	to slave patient monitor
FQBS-172	CHAIR: office, ergonomic, high	③	2	
FQSM-287	CABINET: mobile, 1800H nominal, tambour unit	③	1	type and extent of storage to suit service requirements
FQWS-051	BIN: general waste, 20L	③	1	
ITAV-146	MICROPHONE: AV system, surface mounted, gooseneck	③	1	for communication with patient, may be integral to control unit provided by MME vendor
ITNE-071	TELEPHONE: handset, desktop	③	1	
ITNE-153	COMPUTER: central processing unit (CPU), PACS	③	1	
ITNE-172	DISPLAY SCREEN: computer, PACS	③	2	display/processing workstation, on dual arm bracket
ITNE-201	INPUT DEVICE: keyboard and mouse	③	1	
MIGE-041	WARMER: contrast, benchtop	③	1	
MMPM-051	MONITOR: patient, slave	③	1	



Major Medical Equipment (MME)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
MIFL-011	CONTROL CONSOLE: fluoroscopy/screening, dual display screens, keyboard and mouse, control unit, desktop	②	1	
MIFL-016	COMPUTER: fluoroscopy/screening, central processing unit (CPU)	②	1	



Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-105	GPO: single, wall mounted, cleaner	①	1	
ELGP-161	GPO: single, UPS, wall mounted	①	1	to slave patient monitor
ELGP-201	GPO: double, wall mounted	①	1	over desk for portable devices
ELGP-201	GPO: double, wall mounted	①	1	to contrast warmer
ELGP-231	GPO: double, emergency power, wall mounted	①	2	
ELGP-261	GPO: double, UPS, wall mounted	①	2	to control console, extent of UPS to be confirmed to suit service and equipment requirements
ELPR-031	PANEL: UPS status indicator, wall mounted	①	1	
ELPR-071	RCD: residual current device, wall mounted	①	1	

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELSW-021	SWITCH: light, dimmer	①	2	to general room lighting, 1 to each door, 1 optional - to staff entry if provided
ELSW-121	BUTTON: emergency stop, wall mounted	①	1	main power emergency stop, refer to equipment manufacturer for safety and compatibility with equipment
ITCL-181	BUTTON: nurse call, staff assist, with cancel, wall mounted	①	1	
ITCL-191	BUTTON: nurse call, emergency, with cancel, wall mounted	①	1	
ITIN-016	OUTLET: data, single RJ45, wall mounted	①	1	to slave patient monitor
ITIN-036	OUTLET: data, triple RJ45, wall mounted	①	2	
ITSE-061	BUTTON: security, duress, fixed, wall mounted	①	1	
ITSE-166	INTERCOM: audio, slave, wall mounted	①	1	optional - inclusion dependent on service requirements and ICT policies, may be integral function of telephone, to control workstation area
LIFX-213	LIGHT: illuminated sign, x-ray in use	①	1	to imaging room entry, to automatically turn on when modality is in use