



Fluoroscopy Room

Room Code	FLUO
Briefed Area	40.00 m ²
Ceiling Height	2.7 m
Occupancy	1 patient; 1-2 staff
Hours of Operation	Up to 24 hours

Description | The Fluoroscopy Room provides the space and equipment for radiographic imaging and minor interventional procedures involving contrast media. Direct access from an adjacent Fluoroscopy Control Room is required.

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

Additional Considerations

- Optional general x-ray equipment has been indicated in this Standard Component; this equipment may be provided in this room in addition to fluoroscopy equipment to optimise utilisation of this room in small services and/or provide for redundancy when another machine requires maintenance. Unistrut type ceiling may be required, depending on the equipment to be installed.
- Equipment is to be installed to manufacturer's specifications with sufficient clearances for maintenance access. Installation and replacement access routes should also be considered. Additional building services connections and outlets are to be coordinated to suit equipment requirements. Cable ducts for services between imaging unit, the equipment room (if provided) and the control room will be required and must be coordinated with the MME vendor.
- A separate Fluoroscopy Equipment Room for power supply and control elements for the imaging device may be required depending on equipment selected. Where equipment generates a significant amount of heat and noise, separation from the patient area is to be considered. If provided the equipment room should be accessible directly from the imaging room or control room.

- 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 imaging room.
- Depending on service requirements, general anaesthesia may be administered in this room. This must be confirmed by project teams to ensure appropriate workflows are provided to support this model of care, to confirm the correct building services are provided to ensure patient safety, and to determine medical gas system requirements.
- Where the Fluoroscopy service is to include interventional procedures an increase in area is required to accommodate additional staff, trolleys, an anaesthetic machine and other equipment. For interventional procedures, general anaesthesia may be given in this room and the appropriate services and support areas for recovery of patients will be required.
- Provision of reticulated nitrous oxide is optional and must be confirmed to suit local jurisdictional policies and operational service requirements. The use of nitrous oxide in operating theatres and procedural suites and emergency departments is declining due to a range of clinical and environmental concerns. Reticulated systems have been found to increase leakage of nitrous oxide (a potent greenhouse gas) to atmosphere, can increase facility operating costs and potentially expose staff to nitrous oxide. Reticulated nitrous oxide and associated scavenge outlets are not mandatory for any healthcare service and point of care cylinders can meet clinical requirements for the majority of healthcare facilities. Due consideration must be given to a range of operational considerations including monitoring and measurement of usage, management of leakage, WHS requirements relating to the use of cylinders, approach to the provision of scavenge where cylinders are used, appropriate storage for cylinders, and security of gas sources given it is used as a recreational drug.
- The room will require sufficient clearance to allow access for a patient on a bed. Bed movement into, around and out of the room, and patient transfer should be considered during planning to reduce manual handling.
- Patient transfer aids such as patient slides and hover mats are to be considered for assisted patient transfers to and from the fluoroscopy table. Final selection of transfer aids will be dependent on service requirements, the needs of the anticipated patient cohort (e.g. for ambulatory services, acute services, etc.), as well as WHS risk assessments/policies.
- Close access to a patient toilet/shower/change room is required, with direct access from the room preferred to support patients that have changed into gowns.
- An appropriate patient chair for barium swallows is to be stored outside of room and brought in as required.
- Acoustic treatment to be considered to manage noise from the imaging device and the adjacent equipment room. All finishes must be meet infection prevention and control requirements.
- Dimmable light may be considered to support patient comfort.
- Time tracking requirements (i.e. provision of electric or synchronised clock) is to be confirmed to suit service requirements.
- Provision of additional speakers and microphones within the room for communication between staff and the patient from the control area will be dependent on service requirements, final room layout and imaging equipment selection.
- The type, extent and configuration of storage within the room for consumables, linen, equipment, etc. will be dependent on service requirements, operational policies for stock centralisation/decanting and infection prevention and control 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.
- Size, type and quantity of waste bins is dependent on waste management policies (e.g. for waste separation, frequency of waste removal, etc.) and service requirements.
- 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 final services and configuration of the Medical Services Panel (MSP) - medical gases, nurse call, power and data - will be dependent on service requirements.
- 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-204.02	DOOR: hinged, 2 leaves, 1800 clear opening, solid, shielded	from corridor
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	to both sides of door
AHDEC-021	BUTTON: door release, remote activation, wall mounted	to support bed movement

CODE	DESCRIPTION	COMMENT
AHDMO-001	DOOR MOTORISATION: swing	to support bed movement, delayed action closing
DOHI-013.07	DOOR: hinged, 1 leaf, 900 clear opening, solid, shielded, standard vision panel, lead glass, with cover	to control room (see FLUO-CTRL)
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-003.02	DOOR: hinged, 1 leaf, 900 clear opening, solid, shielded	optional - to accessible ensuite if provided
AFDPR-001.01	DOOR PROTECTION: kickplate, to 300H	to ensuite side
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	to imaging room side
WIFX-008.03	WINDOW: fixed, internal, single glazed, sill at 1050H, shielded, lead glass	for observation from control room (see FLUO-CTRL)



Finishes

CODE	DESCRIPTION	COMMENT
FLVY-101	FLOOR FINISH: vinyl, seamless, standard slip resistance	minimum slip rating R10 / pendulum P3 or agreed equivalent to extend under basin or inset section of non-slip vinyl required
FLVY-101	FLOOR FINISH: vinyl, seamless, standard slip resistance	inset section of contrasting colour to fluoroscopy machine area, indicates clear zone as mobile items may be crushed when the table is tilted
FLSK-021	SKIRTING: vinyl, integral with floor vinyl, coved	
WLFI-002	WALL FINISH: paint, clinical areas	
WLFI-101	SPLASHBACK: vinyl	to bench
WLFI-101	SPLASHBACK: vinyl	to basin
WLFI-011.06	WALL FINISH: vinyl, to 2100 AFFL	
CLFS-011	CEILING: flush set, suspended	
CLFI-002	CEILING FINISH: paint, clinical areas	
CLCN-031	CORNICE: square set	



Joinery

CODE	DESCRIPTION	GROUP	QTY	COMMENT
JOBE-033	BENCH: 600D, stainless steel lipped	①	1	
JOCU-001	CUPBOARD: tall, single door	①	1	for storage of positioning aids
JOCU-121	CUPBOARD: wall mounted, double door	①	2	type and extent of storage to suit service requirements, operational policies for stock centralisation/decanting and infection prevention and control policies
JOCU-221	CUPBOARD: under bench, double door	①	1	type and extent of storage to suit service requirements, operational policies for stock centralisation/decanting and infection prevention and control policies
JODW-041	DRAWER UNIT: under bench, 4 drawers, equal	①	2	type and extent of storage to suit service requirements, operational policies for stock centralisation/decanting and infection prevention and control policies
JOGE-001	BULKHEAD: joinery	①	1	



Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIDI-101	DISPENSER: PPE, disposable masks, wall mounted	②	1	optional
FIDI-106	DISPENSER: PPE, disposable gloves, wall mounted	②	1	
FIDI-111	DISPENSER: PPE, disposable gowns/aprons, wall mounted	②	1	optional
FIDI-136	HOLDER: PPE, lead goggles, wall mounted	②	1	
FIDI-181	DISPENSER: cleaning wipes, wall mounted	②	1	optional - for microfibre wipes
FIDI-181	DISPENSER: cleaning wipes, wall mounted	②	1	
FIDI-191	DISPENSER: emesis bags, wall mounted	②	1	optional
FIDI-231	DISPENSER: paper towel, wall mounted	②	1	to basin
FIDI-241	DISPENSER: alcohol-based hand rub, wall mounted	②	1	
FIDI-256	DISPENSER: soap, wall mounted	②	1	to basin
FIDI-261	DISPENSER: soap, antiseptic, wall mounted	②	1	to basin
FIHR-101	BRACKET: suction bottle, wall mounted	②	2	
FIHR-408	BRACKET: patient monitor, articulated, wall mounted	②	1	
FIRT-051	TRACK: curtain, privacy	①	1	to entry door
FQBS-101	CHAIR: visitor, clinical areas	③	1	
FQCL-211	LINEN CARRIER: dirty, single skip	③	1	
FQGE-101	CURTAIN: privacy screen	③	1	
FQGE-161	STOOL: step	③	1	optional - for patient access to fluoroscopy table, provision dependent on adjustable height range of table
FQWS-004	BIN: sharps, clinical, large	③	1	
FQWS-031	CART: sharps bin, clinical	③	1	
FQWS-051	BIN: general waste, 20L	③	1	to basin
FQWS-237	BIN: clinical waste, 120L	③	1	type, size and quantity of bins to be determined based on service requirements and waste management policies
HYBA-101	BASIN: type A, handwashing	①	1	
HYBA-301	SINK: single bowl	①	1	to bench
HYTP-067	TAPWARE: basin, tap set, wall mounted, lever handles	①	1	
HYTP-182	TAPWARE: sink, tap set, wall mounted, lever handles	①	1	
ITCL-051	CLOCK: electric, analogue	①	1	
ITNE-111	COMPUTER: workstation on wheels (WOW), medical grade, all-in-one computer, keyboard and mouse, on cart	③	1	
LIPO-021	LIGHT: examination, articulated, mobile	③	1	
MIGE-051	INJECTOR: contrast, pedestal	③	1	optional
MMGE-191	CANNISTER: suction bottle	③	2	
MMPM-011	MONITOR: patient, medium acuity	③	1	wall mounted, may be on mobile stand
MMTR-063	TROLLEY: dressing, 750W x 490D x 900H nom	③	1	



Major Medical Equipment (MME)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
MIFL-001	IMAGING DEVICE: fluoroscopy/screening, with patient table	2	1	
MIFL-012	CONTROL CONSOLE: fluoroscopy/screening, single display screen, control unit, mobile	2	1	
MIFL-023	BOARD: distribution, fluoroscopy/screening	2	1	
MIFL-025	GENERATOR: fluoroscopy/screening	2	1	
MIFL-051	RACK: fluoroscopy/screening, table mounted shields, mobile	3	1	
MIXR-001	IMAGING DEVICE: general x-ray, tube head, ceiling suspended	2	1	optional
MIXR-005	IMAGING DEVICE: general x-ray, wall bucky, fixed	2	1	optional
MIXR-023	BOARD: distribution, general x-ray	2	1	optional
MIXR-025	GENERATOR: general x-ray, floor standing	2	1	optional
MIXR-026	GENERATOR: general x-ray, wall mounted	2	1	optional



Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-101	GPO: single, wall mounted	1	1	to clock
ELGP-105	GPO: single, wall mounted, cleaner	1	1	
ELGP-231	GPO: double, emergency power, wall mounted	1	4	1 to bench, 1 to workstation on wheels, 1 under control room window
ELPR-071	RCD: residual current device, wall mounted	1	2	
ELSW-001	SWITCH: light	1	1	optional - to accessible ensuite if provided
ELSW-021	SWITCH: light, dimmer	1	2	to general room lighting, 1 to room entry, 1 to control room entry
ELSW-121	BUTTON: emergency stop, wall mounted	1	1	main power emergency stop, refer to equipment manufacturer for safety and compatibility with equipment
HYDR-201	DIRECT CONNECTION: waste water	1	2	1 to basin, 1 to sink
HYTP-451	DIRECT CONNECTION: water, cold	1	2	1 to basin, 1 to sink
HYTP-453	DIRECT CONNECTION: water, warm	1	2	1 to basin, 1 to sink
ITCL-191	BUTTON: nurse call, emergency, with cancel, wall mounted	1	1	above medical services panel
ITIN-016	OUTLET: data, single RJ45, wall mounted	1	1	to patient monitor
ITIN-026	OUTLET: data, double RJ45, wall mounted	1	2	1 to bench, 1 to workstation on wheels
ITSE-061	BUTTON: security, duress, fixed, wall mounted	1	1	
LIFX-213	LIGHT: illuminated sign, x-ray in use	1	3	outside all room entries, to automatically turn on when modality is in use



Medical Services Panels and Pendants

CODE	DESCRIPTION	GROUP	QTY	COMMENT
Panel 1				
MMSP-051	MEDICAL SERVICES PANEL: wall mounted	1	1	
ELGP-146	GPO: single, emergency power, on service panel	1	2	

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-176	GPO: single, UPS, on service panel	①	1	optional - extent of UPS to be confirmed to suit service and equipment requirements
ELPR-033	PANEL: UPS status indicator, on services panel	①	1	optional - provide if UPS required
ELPR-073	RCD: residual current device, on services panel	①	3	
ITCL-183	BUTTON: nurse call, staff assist, with cancel, on services panel	①	1	
ITIN-025	OUTLET: data, double RJ45, on services panel	①	1	
MGAS-022	OUTLET: medical air, on services panel	①	2	
MGAS-032	OUTLET: nitrous oxide (N2O), on services panel	①	1	optional; provision of reticulated nitrous oxide to be confirmed to suit project and service requirements
MGAS-042	OUTLET: oxygen (O2), on services panel	①	2	
MGAS-052	OUTLET: scavenge, on services panel	①	1	optional; provided if reticulated nitrous oxide provided - provision of reticulated nitrous oxide to be confirmed to suit project and service requirements
MGAS-062	OUTLET: suction, on services panel	①	2	
MGFP-021	FLOWMETER: medical air	③	2	
MGFP-041	FLOWMETER: oxygen	③	2	
MGFP-061	ADAPTER: suction	③	2	
Panel 2				
MMSP-051	MEDICAL SERVICES PANEL: wall mounted	①	1	
ELGP-116	GPO: single, on service panel	①	2	
ELGP-146	GPO: single, emergency power, on service panel	①	2	
ELPR-073	RCD: residual current device, on services panel	①	2	
ITIN-025	OUTLET: data, double RJ45, on services panel	①	1	
Pendant 1				
MMSP-105	MEDICAL SERVICES PENDANT: single arm, dual display screens	②	1	on ceiling track, reach of arm to ensure screen positioning is possible to both sides of the table
MIFL-062	DISPLAY SCREEN: fluoroscopy/screening, pendant mounted	②	2	quantity dependent on equipment set up
Pendant 2				
MMSP-108	MEDICAL SERVICES PENDANT: single arm, radiation shield	②	1	
MIGE-005	SHIELD: radiation, pendant mounted	②	1	