

| Room Name | CT Planning Room | | Room Number CTPR |
|---|---|---|-------------------------------------|
| Revision | 1 | | |
| Issue Date | 28.06.2021 | | |
| BRIEFING | | | |
| Briefed Area | 45.00 m ² | | |
| Hours of Operation | 8am to 6pm, Monday – Friday (extended hours, weekends and/or emergency access may be required) | | |
| Occupancy | 1 patient; up to 3 staff assisting | | |
| Acoustics | Acoustic privacy is required | | |
| Remarks | | | |
| Description / Special Requirements | <p>The CT Planning Room provides space and facilities for Computed Tomography (CT) scanning procedures as part of the planning of radiation therapy treatment for patients. A collocated Control Room with observation window is required for the remote operation of equipment. An Equipment Room may be required and will need to be in close proximity due to acceptable cable lengths. Cable ducts between the Scanning Room, Control Room and Equipment Room will be required. Equipment is to be installed to manufacturer's specifications with sufficient clearances for maintenance access.</p> <p>The CT Planning Room must be adequately shielded. Radiation shielding is to be as advised and confirmed by a Radiation Consultant to suit the equipment procured. 'X-ray in Use' lights are required outside each entry door to be illuminated when scanning begins. Interlock system to doors recommended to prevent machine from running if door open and to stop the machine upon entry if in use.</p> <p>Additional Considerations:</p> <ul style="list-style-type: none"> • Additional medical gases may be provided (including additional oxygen, additional suction, nitrous oxide and scavange) depending on clinical requirements, such as the provision of anaesthetic services. • Dimmable lights are to be provided and lights are to be placed to avoid glare to patients. • Back lit ceiling artwork may be installed for patient comfort and distraction. • Where possible, it is preferred that ductwork in the ceiling is designed to the perimeter of room to allow for future flexibility to provide ceiling mounted equipment. • The need for and extent of emergency and UPS power 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. • Unistrut ceiling able to carry moving loads may be required. • A mix of respiratory gating, surface guidance, motion management and/or patient position technologies may be provided depending on clinical/service requirements and will be coordinated to support the technologies provided in the Linear Accelerator Treatment Room. The provision of these technologies is to be confirmed by the project and may have additional design requirements including additional power/data, water cooling, heat load, possible increased set down, increased number of trenches/conduits, space requirements for computer cabinets in control room and additional penetrations through the suspended ceiling. Requirements to be confirmed with vendors. | | |
| SERVICES | | | |
| Electrical | BODY PROTECTED <input checked="" type="checkbox"/> | CARDIAC PROTECTED | <input type="checkbox"/> |
| HVAC | AIRCONDITIONING <input checked="" type="checkbox"/> | AIRCONDITIONING: hepa filtered | <input type="checkbox"/> |
| | AIRCONDITIONING: positive pressure <input type="checkbox"/> | AIRCONDITIONING: negative pressure | <input type="checkbox"/> |
| | EXHAUST: room exhaust <input type="checkbox"/> | VENTILATION | <input type="checkbox"/> |
| Lighting | LIGHTING: colour corrected <input checked="" type="checkbox"/> | LIGHTING: dimmable | <input checked="" type="checkbox"/> |
| | LIGHTING: downlights <input type="checkbox"/> | LIGHTING: downlights, dimmable | <input type="checkbox"/> |
| | LIGHTING: fluorescent/LED, downlights <input type="checkbox"/> | LIGHTING: fluorescent/LED, flush with ceiling, tamper proof | <input type="checkbox"/> |
| | LIGHTING: fluorescent/LED, general <input checked="" type="checkbox"/> | LIGHTING: indirect | <input type="checkbox"/> |
| Security / Nurse Call | NURSE CALL SYSTEM <input checked="" type="checkbox"/> | | |

Room Name | CT Planning Room
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Room Fabrics

| AusHFG code | Description | Comment |
|-------------|--|--|
| CLTI-002 | CEILING: acoustic, drop-in tiles, 600 x 1200 | |
| CLCN-009 | CORNICE: wall trim fixing | |
| DWSC-034 | DOOR: 1800mm c/o, double leaf, solid core, lead shielding, paint | |
| DWSC-005 | DOOR: 910mm c/o, single leaf, solid core, lead shielding, paint | to control room |
| DWPR-005 | DOOR PROTECTION: protection plate to 900 AFFL | |
| FLVY-001 | FLOOR FINISH: vinyl, seamless, coved, anti-static | floor finish must be minimum slip rating R10; Pendulum P3 or agreed equivalent to extend under basin or inset section of non-slip vinyl required |
| DWOB-009 | OBSERVATION: internal window, lead glass, clear | safety glass, to control room |
| FLSK-010 | SKIRTING: vinyl, floor vinyl coved, 150H, prefinished | |
| WLWA-004 | WALL FINISH: paint, acrylic, washable | |
| WLWA-007 | WALL FINISH: splashback | |
| WLWA-020 | WALL FINISH: vinyl, to 1500 AFFL | |

Fittings, Furniture and Equipment (FF&E) Items

| AusHFG code | Description | Group | Qty | Comment |
|-------------|---|-------|-----|--|
| MMGE-002 | ADAPTER: suction | 3 | 1 | |
| HYBA-010 | BASIN: handwash, Type B | 1 | 1 | |
| FIJO-059 | BENCH TOP: 600D, joinery under, laminate finish | 1 | 1 | |
| FQCW-005 | BIN: waste, clinical, 20L | 3 | 1 | |
| FQCW-016 | BIN: waste, general, 20L | 3 | 1 | to basin |
| FIHR-077 | BRACKET: for observation camera, ceiling mounted | 2 | 1 | |
| FIHR-078 | BRACKET: for observation camera, wall mounted | 2 | 1 | |
| FIHR-019 | BRACKET: for suction bottle | 2 | 1 | |
| FIHR-089 | BRACKET: surface guided radiation therapy system, ceiling mounted | 1 | 1 | |
| FIJO-212 | BULKHEAD: joinery | 1 | 2 | plasterboard bulkhead is also acceptable |
| ITCL-012 | CAMERA: observation | 2 | 2 | 1 x optional, for patient observation or visualisation of additional monitoring equipment, pan, tilt and zoom (PTZ) capability is required, quantity to be based on equipment and service requirements |
| ITCL-014 | CLOCK: analogue, electric | 1 | 1 | |
| ITNE-007 | COMPUTER: desktop, with display screen | 3 | 1 | |
| FIJO-166 | CUPBOARD: tall, shelving, horizontal patient device storage, radiotherapy | 1 | 2 | |
| FIJO-167 | CUPBOARD: tall, shelving, vertical patient device storage, radiotherapy | 1 | 1 | |
| FIJO-135 | CUPBOARD: underbench, double door, adj shelves | 1 | 3 | |
| FIJO-152 | CUPBOARD: wall mount, shelf unit, adj shelves | 1 | 2 | |

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|-------------|---|-------|-----|---|
| MMMI-109 | DEVICE: imaging, CT, wide bore | 1 | 1 | |
| MMRA-008 | DEVICE: surface guided radiation therapy system | 3 | 1 | as required for respiratory gating / motion management / surface guidance systems, to suit service requirements |
| FIDI-001 | DISPENSER: alcohol based hand rub | 2 | 1 | |
| FIDI-014 | DISPENSER: disposable glove | 2 | 1 | to basin |
| FIDI-025 | DISPENSER: paper/hand towel | 2 | 1 | to basin |
| FIDI-030 | DISPENSER: soap | 2 | 1 | to basin |
| FIDI-031 | DISPENSER: soap antiseptic | 2 | 1 | to basin |
| MGFP-004 | FLOWMETER: oxygen | 3 | 1 | |
| FIHR-092 | HOOK: anchor, patient ladder | 1 | 1 | |
| FIHR-030 | HOOK: equipment, on mounting plate | 1 | 1 | for patient slide |
| MMMI-107 | INJECTOR: contrast, CT, ceiling mounted | 1 | 1 | may be mobile |
| MMRA-014 | LASER: radiotherapy, bridge | 3 | 1 | wall and ceiling mounted lasers are also acceptable |
| MMRA-019 | LASER: radiotherapy, couch tracking | 3 | 1 | |
| MMGE-048 | LINEN CARRIER: dirty, single | 3 | 1 | |
| MMRA-020 | OVEN: thermoplastic warming | 3 | 1 | |
| MMBE-042 | SLIDE: patient | 3 | 1 | patient transfer devices to be based on operational requirements and WHS policies |
| MMGE-100 | SUCTION BOTTLE | 3 | 1 | |
| MMMI-105 | TABLE: patient, fixed, CT | 1 | 1 | |
| HYTP-037 | TAPWARE: mixer, elbow levers | 1 | 1 | |
| MMGE-139 | TROLLEY: procedure | 3 | 1 | |
| MMGE-142 | TROLLEY: sharps bin | 3 | 1 | |
| MMMI-377 | WARMER: contrast | 3 | 1 | may be located in control room |

Engineering Services

| AusHFG code | Description | Group | Qty | Comment |
|-------------|---|-------|-----|--|
| ELBO-001 | BUTTON: emergency stop | 1 | 1 | |
| ITCL-004 | BUTTON: nurse call, emergency | 1 | 1 | |
| ITCL-008 | BUTTON: nurse call, staff assist | 1 | 1 | |
| ITSE-025 | DOOR RELEASE: access control, remote activation | 1 | 1 | |
| ELGP-208 | GPO: double, wall mounted | 1 | 4 | |
| ELGP-122 | GPO: emergency power, single, on services panel | 1 | 3 | |
| ELGP-101 | GPO: single, ceiling mounted | 1 | 2 | 1 x optional, to additional patient observation camera if provided |
| ELGP-109 | GPO: single, wall mounted | 1 | 2 | to clock |
| LIFX-038 | LIGHT: backlit feature panels | 1 | 2 | desirable |

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|-------------|--|-------|-----|--|
| LIFX-002 | LIGHT: illuminated sign, "X-Ray in Use" | 1 | 2 | outside room doors, auto-on when modality in use |
| ITIN-025 | OUTLET: data, double RJ45, on services panel | 1 | 1 | |
| ITIN-026 | OUTLET: data, double RJ45, wall mounted | 1 | 1 | |
| ITIN-011 | OUTLET: data, single RJ45, ceiling mounted | 1 | 2 | 1 x optional, to additional patient observation camera if provided |
| ITIN-016 | OUTLET: data, single RJ45, wall mounted | 1 | 1 | |
| MGAS-042 | OUTLET: oxygen (O2), on services panel | 1 | 1 | |
| MGAS-062 | OUTLET: suction, on services panel | 1 | 1 | |
| ELPR-006 | RCD: residual current device | 1 | 3 | |
| MMSP-026 | SERVICES PANEL: wall mounted | 1 | 1 | |
| WLSH-004 | SHIELDING: lead lining | 1 | 1 | to walls and doors, shielding to be reviewed and confirmed by Radiation Consultant |
| ELBO-012 | SWITCH: light, dimmer | 1 | 1 | |
| ELBO-015 | SWITCH: light, single | 1 | 1 | |