

Patient Bay - Emergency, Acute Treatment

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|---------------------------|--|
| Room Code | PTB-E-ACU |
| Briefed Area | 12.00 m ² |
| Ceiling Height | 2.7 m |
| Occupancy | 1 patient; 1 visitor; 1-2 staff intermittently |
| Hours of Operation | 24 hours |

Description | The Patient Bay - Emergency, Acute Treatment provides the space and facilities for assessment, treatment and observation of patients with acute conditions and injuries within the Emergency Unit.

| | | | | | |
|------------------------------|---|-------------------------------------|--------------------|---|-------------------------------------|
| 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 type="checkbox"/> | | AIRCONDITIONING: positive pressure | <input type="checkbox"/> |
| | LIGHTING: colour corrected | <input checked="" type="checkbox"/> | | AIRCONDITIONING: negative pressure | <input type="checkbox"/> |
| | LIGHTING: dimmable | <input 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 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 type="checkbox"/> |
| | INTERCOM: service communications | <input type="checkbox"/> | | WATER: specialty | <input type="checkbox"/> |
| | INTERCOM: security and access control | <input type="checkbox"/> | | DRAINAGE: sanitary | <input 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"/> | | DETECTION: heat | <input type="checkbox"/> |
| ICT and Audio Visual | AUDIO VISUAL: patient entertainment system | <input type="checkbox"/> | Shielding | SHIELDING: ionising radiation | <input type="checkbox"/> |
| | AUDIO VISUAL: visitor experience system | <input type="checkbox"/> | | SHIELDING: magentic and radio frequency | <input type="checkbox"/> |
| | AUDIO VISUAL: virtual collaboration system | <input type="checkbox"/> | Acoustics | SPEECH PRIVACY: | |
| | AUDIO VISUAL: clinical support system | <input type="checkbox"/> | | not private moderate private confidential | |
| | AUDIO VISUAL: digital operating room system | <input type="checkbox"/> | | NOISE SENSITIVITY: | |
| Accessibility | AUDIO: hearing augmentation | <input type="checkbox"/> | | not sensitive medium sensitive sensitive | |
| | VISUAL: luminance contrast | <input checked="" type="checkbox"/> | | NOISE GENERATION: | |
| | SIGNAGE: accessible, statutory | <input type="checkbox"/> | | low moderate high very high | |

Additional Considerations

- Clear line of sight to the patient in the patient bay from a staff station is required for patient observation. The patient bay may be configured with side walls. Inclusion, height and extent of side walls is to be determined at project level to suit the overall department layout and requirements for patient observation. For the requirements of an enclosed bay refer to PTB-E-ACU-E Patient Bay – Emergency, Acute Treatment, Enclosed.
- A handwash basin is to be provided for every four to six patient bays subject to the overall department layout and ease of access from each patient bay. Close access to a PPE bay shared between patient bays is required. Refer to Part D: Infection Prevention and Control for more information.
- A wall clock should be visible from all clinical areas. The location and type of clocks provided, including any required connection to a master clock system, is to be determined at a project level.

- Electronic medical record (EMR) input may be performed on a wirelessly connected workstation on wheels (WOW) that is shared between a number of bays and rationalised across the unit, with quantity to suit clinical service requirements and staffing models. Ensure circulation space is sufficient for bedside and bed-end data entry. Parking areas for WOWs and facilities for battery/equipment charging are required to support this model of care. Alternative configurations, such as wall mounted computers (to individual bays or shared between bays) may be provided depending on clinical service requirements, operational models for medical records and local ICT policies.
- The location of the patient monitor is to be determined to suit clinical workflows and equipment functionality. Appropriate in-wall support is required for mounting the monitor bracket.
- The content and configuration of the medical services panel (MSP), including medical gases, power and data, will be dependent on clinical service requirements and is to be confirmed at project level.
- The clear area required for patient transfer aids such as mobile hoists, patient slides and hover mats, and the staff required to assist the patient transfer, are to be considered for assisted patient transfers to and from beds. Work health and Safety (WHS) policies and patient transfer devices that are intended to be used in the patient bay should be confirmed at project level.
- Mobile duress coverage is to be assessed and planned at a department level and coverage of all patient bays is to suit local security and WHS policies and operational service requirements.
- Provision for the temporary storage of patient property (e.g. wall-mounted baskets, coat hooks, etc.) should be considered for patient and visitor comfort and convenience.
- A dedicated power outlet, clearly separate from the Medical Services Panel (MSP), is recommended to support patient and visitor use/charging of portable devices. Inclusion of integral USB outlets will depend on local ICT policies.
- Patient entertainment systems may be considered depending on anticipated length of stay within the patient bay and patient cohort requirements (e.g. paediatrics). Solutions may include a central display screen visible from multiple bays, or portable solutions, such as tablets, brought to patients as needed.
- Size, type and quantity of waste bins within a patient bay, including sharps, will be dependent on clinical service requirements, operational models for waste management and local infection prevention and control (IPC) policies. Where a facility has operational models for separation of waste at point of use and/or requirements for additional waste streams for separation, beyond the general waste and clinical waste indicatively shown in this Standard Component, additional area may be required to accommodate the receptacles. Depending on frequency of waste removal, bin sizes may be larger and/or in an area shared between multiple patient bays; size and distribution of bins will be guided by local waste management policies.
- Provision of emergency/standby power or uninterruptible power supply (UPS) is to be confirmed to suit site and service requirements. Confirmation to be based on risk assessment considering the impact of a power outage on patient care/safety.
- Provision of cleaner's power outlets is to be rationalised across the department, and they are to be spaced in accordance with AS/NZS 3003.
- Access to natural light and an external outlook is desirable, and patient privacy must be considered when determining window placement. Where high-level windows are provided to the bedhead wall of patient bays consideration must be given to the location of wall mounted items such as patient monitors and to IPC requirements for window coverings.



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 | |
| WLFI-011.04 | WALL FINISH: vinyl, to 1500 AFFL | provide if patient bay is configured with side walls |
| WLPR-006.04 | WALL PROTECTION: corner guards, to 1500 AFFL | provide if patient bay is configured with side walls; to be coordinated with adjacent wall protection |
| CLTI-024.02 | CEILING: drop-in tiles, anti-microbial, acoustic, prefinished, 600 x 1200 | flush set ceiling is also acceptable |
| CLCN-011 | CORNICE: shadow angle, prefinished | to be square set if flush set ceiling is provided |
| WLPR-002 | WALL PROTECTION: bedhead wall panel, low height | |



Fittings, Furniture and Equipment (FF&E)

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|----------|--|-------|-----|--|
| FIDI-106 | DISPENSER: PPE, disposable gloves, wall mounted | ② | 1 | optional; may be provided in PPE bay shared between multiple bays |
| FIDI-241 | DISPENSER: alcohol-based hand rub, wall mounted | ② | 1 | may alternatively be provided as a bottle in a holder located on the end of the bed |
| FIHR-101 | BRACKET: suction bottle, wall mounted | ② | 2 | |
| FIHR-110 | BRACKET: sharps bin, wall mounted | ② | 1 | sharps bin may alternatively be provided on a dedicated cart or on clinical trolleys that are shared across the unit and brought to the patient bay as required; solution to suit clinical service requirements and local IPC policies |
| FIHR-151 | PANEL: storage baskets, wall mounted | ② | 1 | type and extent of storage for consumables to suit clinical service requirements, operational models for stock centralisation/decanting and local IPC policies |
| FIHR-161 | BRACKET: storage basket, wall mounted | ② | 1 | for the temporary storage of patient property |
| FIHR-297 | BRACKET: combined single screen all-in-one computer, keyboard and mouse, height adjustable, wall mounted | ② | 1 | optional; required if all-in-one computer and display screen is provided |
| FIHR-408 | BRACKET: patient monitor, articulated, wall mounted | ② | 1 | with cable and accessory management items as required |
| FIRT-051 | TRACK: curtain, privacy | ① | 1 | |
| FQBS-101 | CHAIR: visitor, clinical areas | ③ | 1 | |
| FQGE-101 | CURTAIN: privacy screen | ③ | 2 | |
| FQGE-112 | BASKET: storage, for wall mounted panel, small | ③ | 3 | type and extent of storage for consumables to suit clinical service requirements, operational models for stock centralisation/decanting and local IPC policies |
| FQGE-113 | BASKET: storage, for wall mounted panel, medium | ③ | 1 | for the temporary storage of patient property |
| FQTA-091 | TABLE: overbed, mobile, height adjustable | ③ | 1 | |
| FQWS-003 | BIN: sharps, clinical, medium | ③ | 1 | size to suit clinical requirements and operational models for frequency of disposal; may alternatively be provided on a dedicated cart or on clinical trolleys that are shared across the unit and brought to the patient bay as required; solution to suit clinical service requirements and local IPC policies |
| FQWS-051 | BIN: general waste, 20L | ③ | 1 | size, type, quantity and distribution of waste bins will be dependent on clinical service requirements, operational models for waste management and local IPC policies |
| FQWS-231 | BIN: clinical waste, 20L | ③ | 1 | size, type, quantity and distribution of waste bins will be dependent on clinical service requirements, operational models for waste management and local IPC policies |
| ITNE-111 | COMPUTER: workstation on wheels (WOW), medical grade, all-in-one computer, keyboard and mouse, on cart | ③ | 1 | shared between multiple patient bays with quantity to be rationalised across the unit to suit clinical service requirements, operational models for electronic medical records, local ICT policies and staffing models |
| ITNE-122 | COMPUTER: single display screen, all-in-one, medical grade | ③ | 1 | optional; may be provided in lieu of WOW; provision dependent on clinical service requirements, operational model for electronic medical records and local ICT policies |
| ITNE-204 | INPUT DEVICE: keyboard and mouse, wireless, medical grade, washable | ③ | 1 | optional; required if all-in-one computer and display screen is provided |
| MMBE-111 | BED: patient, electric, with mattress, emergency | ③ | 1 | |
| MMGE-191 | CANNISTER: suction bottle | ③ | 2 | |

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|----------|--|-------|-----|--|
| MMGE-238 | DIAGNOSTIC SET: otoscope, ophthalmoscope and thermometer, wall mounted | ② | 1 | configuration of equipment to be confirmed to suit clinical services requirements |
| MMPM-011 | MONITOR: patient, medium acuity | ③ | 1 | configuration of monitoring to be confirmed to suit clinical services requirements |



Engineering Services

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|----------|---|-------|-----|--|
| ELGP-101 | GPO: single, wall mounted | ① | 1 | to diagnostic set |
| ELGP-131 | GPO: single, emergency power, wall mounted | ① | 1 | to patient monitor |
| ELGP-131 | GPO: single, emergency power, wall mounted | ① | 1 | optional; required if all-in-one computer and display screen is provided |
| ELGP-201 | GPO: double, wall mounted | ① | 1 | for patient and visitor use/charging of portable devices; inclusion of integral USB outlets is dependent on local ICT policies |
| ELGP-231 | GPO: double, emergency power, wall mounted | ① | 1 | to write-up area |
| ELGP-231 | GPO: double, emergency power, wall mounted | ① | 1 | low height, for patient bed and mattress |
| ELPR-071 | RCD: residual current device, wall mounted | ① | 1 | quantity and type to be confirmed to suit final power provisions |
| ELPR-081 | RCD: residual current device, emergency power, wall mounted | ① | 1 | quantity and type to be confirmed to suit final power provisions |
| ITCL-111 | LIGHT: nurse call indicator, ceiling mounted | ① | 1 | outside curtain at foot of bed; placement to ensure visibility along paths of travel |
| ITCL-181 | BUTTON: nurse call, staff assist, with cancel, wall mounted | ① | 1 | may be combined on a single face plate with patient to staff call button; placement to support quick access by staff |
| ITCL-191 | BUTTON: nurse call, emergency, with cancel, wall mounted | ① | 1 | placement to support quick access by staff |
| ITCL-251 | HANDSET: nurse call, patient to staff call | ① | 1 | with holder and cable management items as required |
| ITIN-026 | OUTLET: data, double RJ45, wall mounted | ① | 1 | to patient monitor |
| ITIN-026 | OUTLET: data, double RJ45, wall mounted | ① | 1 | optional; required if all-in-one computer and display screen is provided |
| LIFX-111 | LIGHT: examination, ceiling recessed | ① | 1 | light switch located on MSP; light may alternatively be provided as an articulated examination light with fixture mounted controls |



Medical Services Panels and Pendants

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|----------------|--|-------|-----|--|
| Panel 1 | | | | |
| MMSP-051 | MEDICAL SERVICES PANEL: wall mounted | ① | 1 | to patient's right; content and configuration to be confirmed based on clinical service requirements and medical equipment selection |
| ELGP-146 | GPO: single, emergency power, on services panel | ① | 4 | |
| ELPR-083 | RCD: residual current device, emergency power, on services panel | ① | 1 | |
| ELSW-001 | SWITCH: light | ① | 1 | to recessed examination light |
| ITIN-025 | OUTLET: data, double RJ45, on services panel | ① | 1 | |
| MGAS-022 | OUTLET: medical air, on services panel | ① | 1 | |
| MGAS-042 | OUTLET: oxygen (O2), on services panel | ① | 1 | |

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|----------------|--|-------|-----|---|
| MGAS-062 | OUTLET: suction, on services panel | ① | 1 | |
| MGFP-021 | FLOWMETER: medical air | ③ | 1 | |
| MGFP-041 | FLOWMETER: oxygen | ③ | 1 | |
| MGFP-061 | ADAPTER: suction | ③ | 1 | |
| Panel 2 | | | | |
| MMSP-051 | MEDICAL SERVICES PANEL: wall mounted | ① | 1 | to patient's left; content and configuration to be confirmed based on clinical service requirements and medical equipment selection |
| ELGP-146 | GPO: single, emergency power, on services panel | ① | 3 | |
| ELPR-083 | RCD: residual current device, emergency power, on services panel | ① | 1 | |
| ITCL-133 | BUTTON: nurse call, patient to staff call, with cancel, with handset connection point, on services panel | ① | 1 | may be combined on a single face plate with staff assist call button; placement to ensure quick access by staff |
| MGAS-042 | OUTLET: oxygen (O2), on services panel | ① | 1 | |
| MGAS-062 | OUTLET: suction, on services panel | ① | 1 | |
| MGFP-041 | FLOWMETER: oxygen | ③ | 1 | |
| MGFP-061 | ADAPTER: suction | ③ | 1 | |