

Patient Bay - Emergency, Acute Treatment, Enclosed

Room Code	PTB-E-ACU-E
Briefed Area	15.00 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, Enclosed provides an enclosed space and the 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 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 type="checkbox"/>
	AUDIO VISUAL: visitor experience system	<input type="checkbox"/>	Acoustics	SHIELDING: magentic and radio frequency	<input type="checkbox"/>
	AUDIO VISUAL: virtual collaboration system	<input type="checkbox"/>		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

- This Standard Component shows the requirements for a general enclosed patient bay for acute emergency treatment. Where it is intended for use as a standard isolation room, an ensuite that is not shared with other patients will be required. Where it is intended for use as a negative pressure isolation room, an ensuite that is not shared and an anteroom will be required. A negative pressure room will also have specific air handling and grille location requirements, and these are to be confirmed at project level to suit local engineering services guidance. For the requirements of an open patient bay refer to PTB-E-ACU-E Patient Bay – Emergency, Acute Treatment
- The extent of glazing is to be determined at project level to suit the overall department layout and requirements for patient observation. Provision of integral blinds or extension of the privacy curtain track over the internal window is to be determined to suit requirements for observation and patient privacy.

- Close access to PPE is required between rooms. 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.
- Consideration for the use of mobile medical imaging equipment within the enclosed patient bay is required. Where it is anticipated that this radiation emitting equipment is to be used, radiation shielding requirements are to be assessed and advised by a qualified Radiation Consultant to meet jurisdictional policies and legislation.
- 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 enclosed 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 individual systems provided to each enclosed patient bay (with integration to patient handset for speaker, and audio/content controls) 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 enclosed patient bays consideration must be given to the location of wall mounted items such as patient monitors and to IPC requirements for window coverings.



Doors and Windows

CODE	DESCRIPTION	COMMENT
DOHI-144.01	DOOR: hinged, 1 1/2 leaves, 1400 clear opening, solid, wide vision panel	extent of glazing is to be determined at project level to suit the overall department layout and requirements for patient observation
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	to both sides
AFDPR-056.01	DOOR FRAME PROTECTION: full wrap, to 900H	optional; provision dependent on frame material and finish
DOHI-003.01	DOOR: hinged, 1 leaf, 900 clear opening, solid	optional; to ensuite if provided
AFDPR-001.01	DOOR PROTECTION: kickplate, to 300H	to ensuite side
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	to patient room side

CODE	DESCRIPTION	COMMENT
AFDPR-056.01	DOOR FRAME PROTECTION: full wrap, to 900H	optional; provision dependent on frame material and finish
DOHI-043.01	DOOR: hinged, 1 leaf, 900 clear opening, solid, wide vision panel	optional; to anteroom if provided
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	to both sides
AFDPR-056.01	DOOR FRAME PROTECTION: full wrap, to 900H	optional; provision dependent on frame material and finish
WIFX-057.04	WINDOW: fixed, internal, double glazed, sill at 900H, with integral blind	extent of glazing is to be determined at project level to suit the overall department layout and requirements for patient observation; provision of integral blinds or extension of the privacy curtain track over window is to be determined to suit requirements for observation and patient privacy



Finishes

CODE	DESCRIPTION	COMMENT
FLVY-101	FLOOR FINISH: vinyl, seamless, standard slip resistance	floor finish must be minimum slip rating R10/ Pendulum P3 or agreed equivalent to extend under basin or an inset section of non-slip vinyl is required
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	
WLFI-101	SPLASHBACK: vinyl	to basin
CLTI-023.02	CEILING: drop-in tiles, anti-microbial, 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	collocate with alcohol-based hand rub
FIDI-231	DISPENSER: paper towel, wall mounted	2	1	to basin
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
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-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

CODE	DESCRIPTION	GROUP	QTY	COMMENT
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	to entry door
FQBS-101	CHAIR: visitor, clinical areas	③	1	
FQGE-101	CURTAIN: privacy screen	③	1	to entry door
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
HYBA-121	BASIN: type B, handwashing	①	1	location of thermostatic mixing valve to be determined based on ability to share with nearby basins
HYTP-067	TAPWARE: basin, tap set, wall mounted, lever handles	①	1	selection of basin and tapware should be coordinated to ensure compatibility
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	
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-105	GPO: single, wall mounted, cleaner	①	1	
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

CODE	DESCRIPTION	GROUP	QTY	COMMENT
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	low height, for patient bed and mattress
ELGP-231	GPO: double, emergency power, wall mounted	①	1	to write-up area
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
ELSW-021	SWITCH: light, dimmer	①	1	to general room lights
HYDR-201.01	DIRECT CONNECTION: wastewater, general	①	1	to basin
HYTP-451	DIRECT CONNECTION: water, cold	①	1	to basin
HYTP-453	DIRECT CONNECTION: water, warm	①	1	to basin
ITCL-111	LIGHT: nurse call indicator, ceiling mounted	①	1	outside door; 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
ITSE-061	BUTTON: security, duress, fixed, wall mounted	①	1	
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
MEEX-041	GRILLE: exhaust, wall mounted, low level	①	1	optional; if room is to be used for negative pressure isolation, supply and exhaust air locations are to be determined to suit local engineering services guidance



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	
MGAS-062	OUTLET: suction, on services panel	①	1	
MGFP-021	FLOWMETER: medical air	③	1	

CODE	DESCRIPTION	GROUP	QTY	COMMENT
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	