



1 Bed Room - Intensive Care

Room Code	1BR-ICU
Briefed Area	25.00 m ²
Ceiling Height	3.0 m
Occupancy	1 patient; 1-2 visitors; 1-2 staff (with 4-6 additional staff as required)
Hours of Operation	24 hours

Description | The 1 Bed Room - Intensive Care provides an acuity adaptable, enclosed room for a patient requiring intensive medical treatment, nursing care and monitoring for potentially life threatening conditions.

Electrical	PROTECTION: body protected	☐	HVAC	AIRCONDITIONING: general	☒
	PROTECTION: cardiac protected	☒		AIRCONDITIONING: HEPA filtered	☐
Lighting	LIGHTING: general	☐	Medical Gas	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	☒		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	☐		MEDICAL GAS: birthing	☐
	ACCESS CONTROL: to item / joinery	☐	Hydraulic	WATER: drinking	☒
	INTERCOM: service communications	☐		WATER: specialty	☐
	INTERCOM: security and access control	☐		DRAINAGE: sanitary	☒
	CCTV: camera coverage within room	☐		DRAINAGE: specialty	☐
	INTRUSION DETECTION: door monitoring	☐	Fire	DETECTION: smoke	☒
	INTRUSION DETECTION: spatial monitoring	☐		DETECTION: heat	☐
ICT and Audio Visual	AUDIO VISUAL: patient entertainment system	☒	Shielding	SHIELDING: ionising radiation	☐
	AUDIO VISUAL: visitor experience system	☐		SHIELDING: magentic and radio frequency	☐
	AUDIO VISUAL: virtual collaboration system	☒	Acoustics	SPEECH PRIVACY:	
	AUDIO VISUAL: clinical support system	☐		not private moderate private confidential	
	AUDIO VISUAL: digital operating room system	☐		NOISE SENSITIVITY:	
Accessibility	AUDIO: hearing augmentation	☐		not sensitive low medium high	
	VISUAL: luminance contrast	☒		NOISE GENERATION:	
	SIGNAGE: accessible, statutory	☐	low moderate high very high		

Additional Considerations

- Visual access to the room from a Staff Station is required.
- In planning of the overall department, room layouts should not be mirrored. Layout are to be "handed", with any specific items being "mirrored" to be confirmed at project level to suit clinical service requirements.
- The dialysis machine, RO water machine, and the dialysis wall box and its associated large cooling water trap with sealed lid are optional. These items may not be provided in all services or to all bedrooms/bays within a service. Provision is dependent on the clinical service requirements in relation to the delivery of dialysis. The various dialysis therapies will have specific implications for plumbing and pipework in relation to flushing, maintenance and wastewater/effluent handling. See HPU 360 Intensive Care for more information.
- This room may be utilised as a standard pressure (S-Class) isolation room. On these occasions, provision of appropriate personal protective equipment (PPE) such as gloves, masks, face shields, gowns, etc. will be required close to the entry of the room.

Proximity to existing PPE bays, provision of clear area for parking a PPE trolley or the ability to temporarily hang additional PPE holders on the wall adjacent to the door is to be considered during planning. A document frame to hold isolation precaution signage when it is needed may be attached to the wall or door to alert staff to isolation precaution requirements. For additional information on standard pressure (S-Class) isolation rooms, as well considerations and requirements for positive pressure (P-Class) and negative pressure (N-Class) rooms refer to 'AusHFG Part D: Infection Prevention and Control' and 'AusHFG Isolation Room- Engineering and Design Requirements'.

- Overall content and configuration of the medical services pendants is to be confirmed at project level, including type and quantity of medical gases, power and data. The final arrangement will be dependent on clinical service requirements and will vary depending on clinical needs and the selection of mobile vs pendant mounted equipment. Pendants may be provided as one pendant with two arms on a single mounting point, or as single arms on multiple mounting points to increase the reach around the bed space (e.g. when the bed is located as shown or rotated 90 degrees) to support clinical care. Tertiary facilities that act as ECMO retrieval centres or otherwise perform a significant number of ECMO procedures may consider including a pendant located at the foot of the bed to enhance delivery of this treatment by supporting femoral access and connection to the required medical equipment.
- Alcohol-based hand rub (ABHR) may be provided in a wall mounted dispenser or in a holder that can be attached to the end of the patient bed. The location of ABHR is to be confirmed at project level to support staff to comply with the '5 Moments of Hand Hygiene' practices and local IPC policies.
- The handwashing basin is to be located at least 1.2m from the patient bed. Clear access for bed movement must also be considered when positioning the basin; Refer to Part D Section 4.1.2-5 for more information.
- Access to natural light and outlook is essential (with non-reflected light and views preferred). To balance this requirement with clinical requirements, the room should provide the ability to provide care with the bed in various orientations. This Standard Component shows the bed oriented vertically on the page with the head of the bed toward the window, supporting quick access by staff to either side from the entry to the room. The bed may be re-oriented to provide views to the window as a patient's clinical state improves. The reach of the arms of the pendant should support provision of clinical care when the bed is turned 90 degrees.
- Design to suit local cultural requirements to be considered at project level and supported by community consultation. For more information refer to 'AusHFG Culturally Sensitive Planning and Design' and local policies and guidance on culturally responsive design.
- Requirements for staff notetaking/write-up within the room, including use of electronic medical records, are to be confirmed at project level to suit clinical service requirements and local ICT policies. Configurations such as a ceiling mounted arm at the foot of the bed with a computer and keyboard mounting bracket, or provision of a computer based on a fixed bench as an alternative to a workstation on wheels (WoW), may be considered and assessed at project level. Provision may be dependent on alignment with local ICT strategies, policies and workflows as well as cost impact.
- A write-up workstation with observation windows is currently indicated directly outside the bed room (area not included calculation for the area of this Standard Component). Provision of this write up area is dependent on models of care for observation/write-up and is to be confirmed at project level.
- Connection of the patient monitor to a central monitoring system is required.
- Additional ICT requirements, particularly in remote facilities (e.g. for patient monitoring, virtual patient consultation/monitoring, etc.) are to be confirmed at project level to suit clinical service requirements.
- The configuration of the patient lifter track (i.e. linear track, H-track, pendant mounted, etc.), weight rating/safe working load (SWL) requirements, and extent (i.e. for bed to chair/wheelchair/commode transfer only, full room coverage, full transfer to ensuite, etc.) are to be confirmed at project level to suit clinical service requirements and local WHS policies for patient handling. Coordination of the lifter track with room lighting, pendants, examination light, patient entertainment system and any ceiling mounted services is to be carefully considered.
- Patient entertainment systems may be mounted on the wall or ceiling. Configuration of the patient entertainment (type, size, mounting and location) is to be confirmed at project level to suit local ICT policies and operational models. Services (power, data and/or AV connection) are to be confirmed to suit selected systems. Appropriate structural support in the wall or ceiling is required for mounting the patient entertainment system.
- The ability for slave monitoring (i.e. mirror content from the pendant mounted patient monitor) to be provided through the screen for the patient entertainment system for added visibility of information in emergency situations is to be considered to suit project requirements. Where slave monitoring is not possible through patient entertainment system display screen, and is required to suit models of care, an additional slave display screen and associated services may be required.
- A wall clock should be visible in all patient rooms. Clocks can support orientation of patients to the time of day, helping to reduce confusion and delirium. However, it has been noted they may also cause distress (e.g. from a sense of time passing too slowly or losing chunks of time). Clock products with the ability to turn off/dim the display may be considered to flexibly respond to patient preferences/needs. The placement of the clock within the room and type of clock provided, including connections to a master clock system, is to be confirmed at a project level.
- Automation of entry doors is not recommended. As automatic doors are only able to be fully open or closed and are not designed to be kept open. This results in staff feeling isolated from support.
- A privacy curtain is provided to the glazed door and fixed glazed panel. The use of integral blinds or switchable glass in this area may be considered at project level. In particular, the consideration of provision of switchable glass in lieu of integral blinds throughout

the room would be based on an assessment of maintenance, product lifecycle and downtime requirements. For longevity of the product, switchable glass must be turned off (i.e. be opaque) for a period of time each day; this must be considered in relation to where this product is intended to be used to ensure the downtime requirement does not compromise patient observation.

- Operational models, work health and safety requirements and IPC policies regarding the changing/laundrying of privacy curtains is to be confirmed at project level.
- Mobile duress coverage is to be assessed and planned at a department level and coverage of all patient spaces is to suit local security and WHS policies and operational service requirements.
- Furniture to accommodate a carer within the room is to be confirmed at project level, including consideration of anticipated length of stay, operational models for provision of linen, provision of carer property storage, and the ability/requirement to fold-up or pack away furniture used for sleeping when it is not in use. Fixed joinery items may be considered to provide this function; however, freestanding furniture is recommended where flexibility is required. Cleaning processes/products, and infection prevention and control (IPC) requirements must also be considered in assessment of furniture and upholstery selection.
- Lighting is to be designed support clinical observation of patients (e.g. accurate colour rendering, appropriate colour temperature, etc.) as per AS/NZS 1680. Consideration of lighting systems that are automated to support circadian rhythms (e.g. through intensity tuning, color tuning, etc.) may be considered at project level.
- Positioning of light fixtures is to be coordinated with ceiling mounted equipment (e.g. pendant, examination light, patient lifter track, display screen, etc.) to ensure appropriate, uniform illumination of the patient for observation when needed. It is recommended to avoid direct of light fittings over the patient's head (noting that the bed is movable and may be arranged in different configurations to meet clinical needs and equipment set-up).
- A dedicated power outlet, clearly separate from outlets for clinical use, is recommended to support patient and visitor use/charging of portable devices. Inclusion of integral USB outlets will depend on local ICT policies.
- Size, type and quantity of waste bins, including sharps bins, will be dependent on clinical service requirements, operational models for waste management and local infection prevention and control (IPC) 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 spaced in accordance with AS/NZS 3003.
- Notes applied to floor finish ratings relate to AS4586 and associated HB198 requirements. Compliance with current regulations must be verified by project teams on each project.



Doors and Windows

CODE	DESCRIPTION	COMMENT
DOST-074.01	DOOR: stacking, 2 leaves + 1 fixed panel, 1800 clear opening, fully glazed, framed with mid-rail	
DOSL-073.02	DOOR: sliding, 1 leaf, 900 clear opening, fully glazed, framed with mid-rail, with integral blinds	optional, to support patient observation; provision is to be confirmed at project level and will be dependent on staffing models and local IPC policies/risk assessment
WIFX-058.04	WINDOW: fixed, internal, double glazed, sill at 1050H, with integral blind	to staff write-up if provided outside room
WIFX-058.04	WINDOW: fixed, internal, double glazed, sill at 1050H, with integral blind	to staff write-up if provided outside room
WIFX-058.04	WINDOW: fixed, internal, double glazed, sill at 1050H, with integral blind	to adjacent room to support patient observation
WIOP-256.02	WINDOW: operable, jockey sash, external, double glazed, sill at 750H, with integral blind	



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 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-011.03	WALL FINISH: vinyl, to 1200 AFFL	
WLFI-101	SPLASHBACK: vinyl	to basin

CODE	DESCRIPTION	COMMENT
CLFS-011	CEILING: flush set, suspended	
CLFI-002	CEILING FINISH: paint, clinical areas	
CLCN-031	CORNICE: square set	
WLPR-006.02	WALL PROTECTION: corner guards, to 1050 AFFL	coordinated with adjacent wall protection and observation windows



Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIBM-019	WHITEBOARD: fixed, magnetic	2	1	
FIDI-106	DISPENSER: PPE, disposable gloves, wall mounted	2	1	
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, antimicrobial, wall mounted	2	1	to basin
FIHR-151	PANEL: storage baskets, wall mounted	2	2	type and extent of storage for consumables to suit clinical service requirements, operational models for stock centralisation/decanting and local IPC policies
FIHR-353	BRACKET: patient entertainment system, fixed, ceiling mounted	2	1	
FIRT-051	TRACK: curtain, privacy	1	1	
FQBS-172	CHAIR: office, ergonomic, high	3	1	
FQBS-282	RECLINER: visitor, clinical areas, fold out bed	3	1	selected item to suit clinical services requirements, operational models and local IPC policies
FQCL-211	LINEN CARRIER: dirty, single skip	3	1	
FQGE-101	CURTAIN: privacy screen	3	1	a privacy curtain is provided to the glazed door and panel and staff workstation at the front of the room; the use of integral blinds or switchable glass may be considered at project level based on assessment of maintenance, product lifecycle and downtime requirements
FQGE-112	BASKET: storage, for wall mounted panel, small	3	6	type and extent of storage for consumables to suit clinical service requirements, operational models for stock centralisation/decanting and local IPC policies
FQTA-091	TABLE: overbed, mobile, height adjustable	3	1	
FQWS-051	BIN: general waste, 20L	3	1	to basin
FQWS-073	BIN: recycling, commingled, 50L	3	1	size, type and quantity of bins will be dependent on local waste management policies for waste separation
FQWS-233	BIN: clinical waste, 50L	3	1	size, type and quantity of bins will be dependent on local waste management policies for waste separation
HYBA-101	BASIN: type A, 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 to be coordinated to ensure compatibility
ITBU-471	CLOCK: digital display, electric, synchronised slave, wired internet protocol (IP), wall recessed	1	1	ability to turn off/dim display to be considered to respond to patient preferences/needs

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ITCL-301	DISPLAY SCREEN: patient entertainment system	②	1	ability for screen to duplicate patient monitoring information for added visibility in emergency situations to be considered
ITNE-076	TELEPHONE: handset, wall mounted	②	1	
ITNE-111	COMPUTER: workstation on wheels (WOW), medical grade, all-in-one computer, keyboard and mouse, on cart	③	1	alternative arrangement on ceiling mounted articulated arm may be considered at project level to suit clinical requirements and operational models for write-up and observation
LIFX-113	LIGHT: examination, articulated, ceiling mounted	①	1	
MMBE-116	BED: patient, electric, with mattress, intensive care	③	1	
MMBE-211	TRACK: patient lifter, fixed, ceiling mounted	①	1	type, weight rating/SWL and extent to be confirmed at project level to suit clinical service requirements and local WHS policies for patient handling
MMBE-251	CASSETTE MOTOR: patient lifter, for ceiling mounted system	①	1	may be shared between multiple rooms and stored in a central equipment store; where it is dedicated to a room, configuration of the lifting track should consider extension to a 'parking' location that allows the cassette motor to be stored out of the way
MMBE-261	SLING: patient lifter	③	1	may be shared between multiple rooms and stored in a central equipment store
MMGE-019	CHAIR: patient	③	1	
MMGE-381	MACHINE: dialysis	③	1	optional; provision will be dependent on clinical service requirements and operational models regarding the delivery of dialysis
MMGE-386	PROCESSOR: water treatment, dialysis, reverse osmosis (RO), mobile	③	1	optional; provision will be dependent on clinical service requirements and operational models regarding the delivery of dialysis
MMHA-051	DEVICE: ventilator, adult	③	1	
MMTR-002.02	TROLLEY: stainless steel, 600W x 490D x 900H nom, 2 tier	③	1	
MMTR-092	TROLLEY: procedure, 600W x 490D x 900H nom	③	1	



Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-105	GPO: single, wall mounted, cleaner	①	1	
ELGP-106	GPO: single, ceiling mounted	①	1	to patient entertainment system
ELGP-136	GPO: single, emergency power, ceiling mounted	①	1	to patient lifter track
ELGP-201	GPO: double, wall mounted	①	1	to carer's area
ELGP-231	GPO: double, emergency power, wall mounted	①	4	
ELPR-011	MONITOR: line isolation, wall mounted	①	2	
ELPR-031	PANEL: UPS status indicator, wall mounted	①	1	to UPS outlets on medical services pendant
ELPR-051	PANEL: equipotential (EP) test point, wall mounted	①	1	
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	2	quantity and type to be confirmed to suit final power provisions
ELSW-001	SWITCH: light	①	1	to night lights; to be coordinated with switch on medical services pendant
ELSW-021	SWITCH: light, dimmer	①	1	to general room lights; to be coordinated with switch on medical services pendant

CODE	DESCRIPTION	GROUP	QTY	COMMENT
HYDR-157	TRAP: cooling pit, with sealed lid	①	1	optional, required if dialysis wall box is provided; to support cooling of wastewater from heat disinfection of dialysis machines and portable RO machines
HYDR-201	DIRECT CONNECTION: wastewater, general	①	1	to basin
HYGE-082	WALL BOX: renal dialysis, integral tundish, with 1 water supply connection and 2 drain connections	①	1	optional; provision will be dependent on clinical service requirements regarding the delivery of dialysis; project team to confirm all quick connect fitting and adapter requirements to ensure secure connections with dialysis equipment; water supply via backflow prevention
<i>HYDR-104</i>	<i>TUNDISH: in wall, with viewing panel</i>	①	1	<i>Sub item to HYGE-082</i>
<i>HYDR-201</i>	<i>DIRECT CONNECTION: wastewater, general</i>	①	1	<i>Sub item to HYGE-082</i>
<i>HYDR-201</i>	<i>DIRECT CONNECTION: wastewater, general</i>	①	1	<i>Sub item to HYGE-082</i>
<i>HYTP-451</i>	<i>DIRECT CONNECTION: water, cold</i>	①	1	<i>Sub item to HYGE-082</i>
HYTP-451	DIRECT CONNECTION: water, cold	①	1	to basin tapware
HYTP-453	DIRECT CONNECTION: water, warm	①	1	to basin tapware
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-011	OUTLET: data, single RJ45, ceiling mounted	①	1	to patient entertainment system
ITIN-016	OUTLET: data, single RJ45, wall mounted	①	1	to wall mounted telephone
ITIN-071	OUTLET: MATV, ceiling mounted	①	1	to patient entertainment system; may be replaced with a data outlet or alternate AV outlet depending on system requirements and local ICT policies
ITSE-061	BUTTON: security, duress, fixed, wall mounted	①	1	
LIFX-151	LIGHT: night, wall mounted	①	2	



Medical Services Panels and Pendants

CODE	DESCRIPTION	GROUP	QTY	COMMENT
Pendant 1				
MMSP-212	MEDICAL SERVICES PENDANT: double arm, vertical services head / vertical services head	②	1	
Pendant 1 - Arm 1				
MMSP-212.01	SERVICES HEAD: vertical, to arm 1	②	1	shown to patient's right (services head R); content and configuration to be confirmed based on clinical service requirements and medical equipment selection
<i>ELGP-151</i>	<i>GPO: single, emergency power, on services pendant</i>	①	8	
<i>ELGP-181</i>	<i>GPO: single, UPS, on services pendant</i>	①	2	
<i>FIHR-104</i>	<i>BRACKET: suction bottle, pendant mounted</i>	②	2	
<i>FIHR-411</i>	<i>BRACKET: patient monitor, articulated, pendant mounted</i>	②	1	
<i>ITCL-185</i>	<i>BUTTON: nurse call, staff assist, with cancel, on services pendant</i>	①	1	<i>may be combined on a single face plate with patient to staff call button; placement to support quick access by staff</i>
<i>ITCL-195</i>	<i>BUTTON: nurse call, emergency, with cancel, on services pendant</i>	①	1	
<i>ITIN-024</i>	<i>OUTLET: data, double RJ45, on services pendant</i>	①	1	
<i>MGAS-021</i>	<i>OUTLET: medical air, on services pendant</i>	①	2	

CODE	DESCRIPTION	GROUP	QTY	COMMENT
MGAS-041	OUTLET: oxygen (O2), on services pendant	①	2	
MGAS-061	OUTLET: suction, on services pendant	①	2	
MGFP-021	FLOWMETER: medical air	③	2	
MGFP-041	FLOWMETER: oxygen	③	2	
MGFP-061	ADAPTER: suction	③	2	
MMGE-047	POLE: IV, pendant mounted	③	1	
MMGE-191	CANNISTER: suction bottle	③	2	
MMPM-021	MONITOR: patient, high acuity	③	1	
Pendant 1 - Arm 2				
MMSP-212.02	SERVICES HEAD: vertical, to arm 2	②	1	shown to patient's left (services head L); content and configuration to be confirmed based on clinical service requirements and medical equipment selection
ELGP-151	GPO: single, emergency power, on services pendant	①	8	
ELGP-181	GPO: single, UPS, on services pendant	①	2	
ELSW-001	SWITCH: light	①	1	to night lights; to be coordinated with switch on wall
ELSW-021	SWITCH: light, dimmer	①	1	to general room lights; to be coordinated with switch on wall
FIHR-104	BRACKET: suction bottle, pendant mounted	②	2	
ITCL-135	BUTTON: nurse call, patient to staff call, with cancel, with handset connection point, on services pendant	①	1	may be combined on a single face plate with staff assist call button; placement to ensure quick access by staff
ITCL-253	HANDSET: nurse call, patient to staff call, with light control, with patient entertainment system control, with speaker	①	1	
ITIN-024	OUTLET: data, double RJ45, on services pendant	①	1	
MGAS-021	OUTLET: medical air, on services pendant	①	2	
MGAS-041	OUTLET: oxygen (O2), on services pendant	①	2	
MGAS-061	OUTLET: suction, on services pendant	①	2	
MGFP-021	FLOWMETER: medical air	③	2	
MGFP-041	FLOWMETER: oxygen	③	2	
MGFP-061	ADAPTER: suction	③	2	
MMGE-047	POLE: IV, pendant mounted	③	1	
MMGE-191	CANNISTER: suction bottle	③	2	

For guidance on how to use the Room Data Sheet, please visit the ["Room Data Sheet Guidance" page on the AusHFG website](#).