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Ensuite - High Assistance

Room Code	ENS-HA
Briefed Area	6.00 m²
Ceiling Height	2.7 m
Occupancy	1 patient; 1-2 staff assisting as required
Hours of Operation	24 hours

Description

The Ensuite - High Assistance includes a shower, toilet and basin for use by a patient, typically with assistance. This Standard Component is typically used in a nested bedroom layout, however, with careful planning it may be used in conjunction with either an inboard or outboard bedroom layout. The ensuite and bedroom should be planned as a unit.

Electrical

- [x] PROTECTION: body protected
- [ ] PROTECTION: cardiac protected

Lighting

- [x] LIGHTING: general
- [ ] LIGHTING: colour corrected
- [ ] LIGHTING: dimmable
- [ ] LIGHTING: indirect

Nurse Call and Duress

- [x] NURSE CALL SYSTEM: buttons / handset
- [ ] NURSE CALL SYSTEM: annunciator
- [ ] DURESS: fixed
- [x] DURESS: wireless coverage

Security

- [ ] ACCESS CONTROL: to door
- [ ] ACCESS CONTROL: to item / joinery
- [ ] INTERCOM: service communications
- [ ] INTERCOM: security and access control
- [ ] CCTV: camera coverage within room
- [ ] INTRUSION DETECTION: door monitoring
- [ ] INTRUSION DETECTION: spatial monitoring

ICT and Audio Visual

- [ ] AUDIO VISUAL: patient entertainment system
- [ ] AUDIO VISUAL: visitor experience system
- [ ] AUDIO VISUAL: virtual collaboration system
- [ ] AUDIO VISUAL: clinical support system
- [ ] AUDIO VISUAL: digital operating room system

Accessibility

- [ ] AUDIO: hearing augmentation
- [x] VISUAL: luminance contrast
- [ ] SIGNAGE: accessible, statutory

HVAC

- [ ] AIRCONDITIONING: general
- [ ] AIRCONDITIONING: HEPA filtered
- [ ] AIRCONDITIONING: positive pressure
- [ ] AIRCONDITIONING: negative pressure
- [x] VENTILATION: exhaust
- [ ] VENTILATION: supply
- [ ] VENTILATION: natural

Medical Gas

- [ ] MEDICAL GAS: general anaesthesia
- [ ] MEDICAL GAS: special care
- [ ] MEDICAL GAS: special care, neonatal ventilation
- [ ] MEDICAL GAS: birthing

Hydraulic

- [x] WATER: drinking
- [ ] WATER: specialty
- [x] DRAINAGE: sanitary
- [ ] DRAINAGE: specialty

Fire

- [x] DETECTION: smoke
- [ ] DETECTION: heat

Shielding

- [ ] SHIELDING: ionising radiation
- [ ] SHIELDING: magnetic and radio frequency

Acoustics

SPEECH PRIVACY:
not private ····· moderate ····· private ····· confidential

NOISE SENSITIVITY:
not sensitive ····· low ····· medium ····· high

NOISE GENERATION:
low ····· moderate ····· high ····· very high

Additional Considerations

Room Layout

- The layout provides space for staff assistance to both sides of the toilet and supports use by patients requiring higher levels of assistance. Required circulation and working clearances are to be maintained when selecting and locating fixtures, fittings and assistive equipment.
- The entry door is to be fitted with an occupancy indicator, privacy lock and emergency-release hardware. An outward-swinging door is recommended to reduce the risk of a patient obstructing the door following a fall or loss of consciousness. Where an inward-swinging door is provided, emergency-release hardware and a suitable pivot or hinge system are to allow the door to be opened outward in an emergency.

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● The location of plumbing fixtures is to be considered in relation to fire and smoke rated building elements as part of overall department planning to minimise penetrations for hydraulic services.

Furniture, Fixtures and Equipment (FF&E) Selection

● Grab rails are to be securely fixed to the wall with the structural support required to meet weight ratings/SWL that are to be confirmed at project level (generally accommodating patients up to 150 kg for standard patient rooms). Space for staff assistance to both sides of the toilet is provided in this Standard Component and therefore drop-down grab rails for use by patients with or without staff assistance have been indicated. Additional structural support requirements are to be confirmed at project level to accommodate the downward force on the cantilevered drop-down grab rails.

● Fixture selection and set-out are to consider the anticipated patient cohort and requirements for independent or assisted use, including patients using mobility aids, commodes, wheelchairs, sit-to-stand equipment or other transfer equipment. It is recommended that the set-out of the toilet suite and grab rails is tested with assistive equipment that is being considered or has been selected to ensure appropriate clearances, including coordination with the height of the toilet seat and the toilet lid. Clearance from the equipment to the grab rails should ensure there is no risk of pinching or finger entrapment.

● Operational models and IPC policies for use of a patient's own mobility/transfer equipment, and any associated considerations for the design of the ensuite, are to be confirmed at project level.

● Where drop-down grab rails are provided to both sides of the toilet, provision of an integral toilet paper holder and nurse call button on the grab rail is recommended where wall-mounted fittings would not be within practical reach of the patient. Toilet paper stock and dispenser arrangements may therefore differ from other ensuites where wall-mounted dispensers are provided.

● Toilet seats and lids are to be robust and suitable for high-frequency use. It is recommended that the toilet lid/seat is coloured to achieve a minimum 30% luminance contrast between the lid/seat, the toilet pan, the floor, and the adjacent walls to support patients with visual impairments.

Infection Prevention and Control (IPC)

● The handwashing basin is to include a removable shroud enclosing the plumbing services. The shroud is to be a separate element from the basin to allow maintenance access to plumbing components without removal of the basin. Refer to 'AusHFG Part D: Infection Prevention and Control' for further guidance.

● Provision of a shower curtain and track is optional. Requirements for a curtain and track or provision of a track only to support future provision are to be confirmed based on the model of care and local WHS and IPC policies. Where curtains are provided, cleaning, laundering, replacement and maintenance requirements are to be considered.

Work Health and Safety (WHS)

● Mobile duress coverage is to be assessed and planned at department level. Coverage of patient areas is to meet local security and WHS policies and operational service requirements.

● Requirements for patient lifting systems are to be confirmed at project level based on the anticipated patient cohort, transfer workflows and local WHS policies. Where a lifting system is provided within the associated bedroom, the project must confirm the required track configuration (fixed track, traverse track, etc.), motor type (portable or fixed), installation type (ceiling mounted or recessed), weight rating/safe working load (SWL) and extent of coverage, including whether that track extends to transfer the patient to the ensuite or is for bed to chair/wheelchair/commode transfer only. Where the path of the lifter track includes full transfer to/within the ensuite, the door height must be increased, and the frame must be designed to accommodate linking between tracks. Selected track and lifter equipment must meet local infection prevention and control (IPC) policies and cleaning requirements.

Medical Gases

● Reticulated medical gas outlets, including oxygen and suction, may be provided depending on the anticipated patient cohort and clinical service requirements. Where provided, outlet locations are to support use with standard tubing lengths while the patient is at the toilet or shower, while maintaining required accessibility, safety and equipment clearances. Medical gas outlets and associated equipment are to be located and detailed to minimise contamination risk associated with proximity to sanitary fixtures.

Engineering Services

● A power outlet to support personal grooming activities, such as shaving or hair drying, is shown as optional. Provision and location are to be confirmed based on the intended patient cohort and policies around provision and maintenance of electrical outlets in wet areas. Where an outlet is provided, location is to be coordinated with the basin, shower and other water sources to ensure it meets the required electrical safety zones and clearances.

● The hand-held shower connection point and hose length are to be coordinated to ensure that the shower head is not in reach of the toilet bowl. Where this cannot be achieved, appropriate backflow prevention measures are to be provided in accordance with applicable plumbing requirements and confirmed as part of the hydraulic design.

Finishes

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● The floor finish at the ensuite entry is to be flush with the adjacent bedroom floor. The floor finish in the shower area must also be flush and continuous with the adjacent floor in the ensuite and must not have a raised hob to support movement and use of mobility equipment.
● A tiled floor finish may be provided in lieu of vinyl. Where floor tiles are selected, wall tiles are also recommended to achieve an appropriate junction between floor and wall finishes. Wall and floor finishes, skirtings/junctions, waterproofing and cleaning requirements are to be coordinated to provide a durable and maintainable wet-area finish.
● The slope of the floor to the drain must meet relevant Australian/New Zealand building code compliance requirements. When meeting these requirements, the slope of the floor is to also be considered to ensure it has minimal impact on patients using walking aids, patients with impaired mobility/balance, and staff assisting patients on commodes or wheelchairs.

Doors and Windows

CODE	DESCRIPTION	COMMENT
DOHI-003.01	DOOR: hinged, 1 leaf, 900 clear opening, solid	lock with occupancy indicator and emergency release hardware required; outward swing recommended, emergency release is required hardware to allow for outward opening if an inward swing is provided; clear opening requirements to be confirmed to suit patient cohort requirements and selected assistance equipment; if patient lifter track provided, door height to be to ceiling with slot required to frame to allow for continuation of track from adjacent bedroom
AFDPR-006.01	*DOOR PROTECTION: plate, to 900H*	*to both sides*
AFDPR-056.01	*DOOR FRAME PROTECTION: full wrap, to 900H*	*[DWPR-010] optional, provision and extent dependent on frame material/finish and movement of beds and mobile equipment in adjacent area*

Finishes

CODE	DESCRIPTION	COMMENT
FLVY-114	FLOOR FINISH: vinyl, seamless, non-slip, wet area, barefoot	tiles are also acceptable
FLSK-021	SKIRTING: vinyl, integral with floor vinyl, coved	[FLSK-010] tiles acceptable if tiled floor is provided
WLFI-011.07	WALL FINISH: vinyl, full height	tiles are also acceptable
CLFS-013	CEILING: flush set, suspended, moisture resistant	[CLFS-009] moisture resistant drop-in ceiling tiles are also acceptable
CLFI-002	CEILING FINISH: paint, clinical areas	
CLCN-031	CORNICE: square set	[CLCN-008] wall trim fixing acceptable if drop-in ceiling tiles are provided

Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIBM-102	MIRROR: fixed, safety glass, frameless	1	1	
FIDI-231	DISPENSER: paper towel, wall mounted	2	1	
FIDI-256	DISPENSER: soap, wall mounted	2	2	1 to basin, 1 to shower
FIDI-281	HOLDER: soap/shampoo, wall mounted	1	1	
FIHR-026	HOOK: coat, wall mounted	1	2	
FIRT-061	TRACK: curtain, shower	1	1	[FIRT-033] optional, provision to be confirmed to suit local IPC policies and operational models for cleaning/replacement of curtains

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CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIRT-101	GRAB RAIL: straight, horizontal	1	1	for use as a towel rail while ensuring adequate strength and fixings if used for support
FIRT-137	GRAB RAIL: toilet, drop down, with holder for toilet roll	1	1	ensure adequate in-wall supports
FIDI-308	*DISPENSER: toilet paper, to drop-down grab rail*	1	*1*	*Sub item to FIRT-137*
FIRT-138	GRAB RAIL: toilet, drop down, with bracket for nurse call button	1	1	ensure adequate in-wall supports
FIRT-151	GRAB RAIL: shower, straight, horizontal	1	1	may be combined with vertical shower rail
FQGE-102	CURTAIN: shower	3	1	[FQGE-011] optional, provision to be confirmed to suit local IPC policies and operational models for cleaning/replacement of curtains
FQWS-051	BIN: general waste, 20L	3	1	
FQWS-331	BIN: sanitary waste	3	1	
HYBA-142	BASIN: type C, handwashing, with integral single shelf	1	1	[HYBA-078] with detachable shroud to pipework; location of thermostatic mixing valve to be determined based on ability to share with nearby basins
HYSH-056	SHOWER: hand-held, connection on wall, bracket on vertical wall mounted rail	1	1	vertical rail may be combined with horizontal grab rail
HYTP-051	TAPWARE: basin, mixer, fixture mounted	1	1	[HYTP-036] selection of basin and tapware to be coordinated to ensure compatibility
HYTP-251	TAPWARE: shower, mixer	1	1	
HYWC-031	TOILET SUITE: patient	1	1	
MGFP-041	FLOWMETER: oxygen	3	1	optional; for oxygen outlet if provided; provision dependent on patient cohort requirements
MMBE-211	TRACK: patient lifter, fixed, ceiling mounted	1	1	optional; provision and selection of lifter and track type to be confirmed at project level to suit patient cohort requirements and local WHS policies for patient handling
MMBE-231	TRACK: patient lifter, linking mechanism, ceiling mounted	1	1	optional; for continuation of track from adjacent bedroom if provided
MMGE-024	CHAIR: shower	3	1	may be shared between multiple rooms and stored in central equipment store

Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-106	GPO: single, ceiling mounted	1	1	optional; to patient lifter if provided
ELGP-201	GPO: double, wall mounted	1	1	[ELGP-208] optional, to support grooming (i.e. shaving, hair drying, etc.); inclusion to be informed by local policies on the provision and maintenance of electrical outlets in wet areas
ELSW-001	SWITCH: light	1	1	located outside door
HYDR-021	DRAIN: floor waste, round	1	1	floor slope/fall to comply with relevant building code requirements
HYDR-201	DIRECT CONNECTION: wastewater, general	1	1	to basin
HYTP-431	OUTLET: water, cold	1	2	1 to basin, 1 to shower
HYTP-433	OUTLET: water, warm	1	2	1 to basin, 1 to shower
ITCL-122	BUTTON: nurse call, patient to staff call, with cancel, wall mounted, wet area	1	1	to shower
ITCL-130	BUTTON: nurse call, patient to staff call, with cancel, to drop-down grab rail, wet area	1	1	

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CODE	DESCRIPTION	GROUP	QTY	COMMENT
ITCL-182	BUTTON: nurse call, staff assist, with cancel, wall mounted, wet area	1	1	
ITCL-192	BUTTON: nurse call, emergency, with cancel, wall mounted, wet area	1	1	
MGAS-043	OUTLET: oxygen (O2), wall mounted	1	1	optional, may be considered in ensuites on selected specialised units to suit patient cohort requirements in line with local jurisdictional policies

For guidance on how to use the Room Data Sheet, please visit the AusHFG website.

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