

Treatment Room - Dental, Type 1

Room Code	TRMT-DEN1
Briefed Area	14.50 m ²
Ceiling Height	2.7 m
Occupancy	1 patient; 1-2 support persons; 1-2 staff
Hours of Operation	Available 24 hours

Description | The Treatment Room - Dental, Type 1 provides the space and facilities for dental consultation, examination and treatment of patients, with accommodation for support persons where required.

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: magnetic 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

Planning Context

- The room configuration supports conversion between right-handed and left-handed set-ups and should not be mirrored. The final layout is to be determined based on the operational workflows and selected dental equipment.
- Layouts may vary depending on the operational workflow and selected dental equipment, including selection of chair mounted instruments, wall/joinery mounted instruments, or instrument carts.
- Door configuration and clear opening width are to be confirmed to suit service requirements and anticipated patient cohorts. Consideration may be given to increasing the clear opening width of the door; however, the selected width should balance operational requirements, accessibility, door leaf weight and manoeuvrability.
- Considerations for treatment for patients in wheelchairs is to be provided to be confirmed at project level, including provision of a larger treatment room (refer to HPU 280 Oral Health Schedule of Accommodation for more information). Where a service determines

that treatment will occur in the patient's wheelchair or following transfer to the dental chair, patient transfer, clear access area and equipment reach requirements must be confirmed.

Furniture, Fixtures and Equipment (FF&E) Selection

- Coordinate services for the dental chair with the selected chair model and supplier requirements. Services may include dental air, dental suction, filtered water, power and drainage.

Information and Communication Technology (ICT)

- Confirm any in-room requirements for instrument tracking, including location, process and configuration, in line with AS/NZ 5369, local policies and service requirements.

PPE and Staff Storage

- Confirm requirements for additional PPE storage based on the procedures undertaken, local policies and operational requirements.
- Confirm requirements for storage of staff belongings within the room based on the department's staff amenity and storage arrangements. Consider in-room secure storage where shared staff amenities or staff property storage are located a significant distance from the room.

Work Health and Safety (WHS)

- Coordinate staff duress requirements with the operational model, lone-worker arrangements, room configuration, secondary egress strategy and project security requirements.
- A second door is indicated in this Standard Component to support staff safety and egress, with some jurisdictions mandating its provision under relevant workplace health and safety legislation (e.g. through adoption of the Model Code of Practice: Healthcare and Social Assistance Industry from SafeWork Australia July 2025). The location of the second door should be planned to reduce the risk of entrapment within the room and may influence the position of the room within the overall department plan to ensure a safe and appropriate egress path is provided.

Patient Experience

- Provision of art work or a display screen on the ceiling over the dental chair for distraction to reduce patient anxiety may be considered at project level.
- Access to natural light and provision of an external outlook is desirable, but provision of a window will be dependent on the overall department plan. Where a window is provided, the type, materiality, and cleaning requirements of window coverings to external windows is to be confirmed at project level to suit local infection prevention and control (IPC) policies and risk assessments. Refer to Part D Section 6.4 for more information.
- The extent of door glazing and any associated treatments, such as privacy film, should be determined at project level to balance patient privacy requirements with the need to support room occupancy monitoring and staff safety. Room occupancy signage, occupancy indicators, or light indicators may also be considered.

Waste Management

- Size, type and quantity of waste bins provided within the room, including sharps bins, will be dependent on service requirements, operational models for waste management, including separation of waste streams and frequency of waste removal, and local IPC policies.

Medical Gases

- Provision of reticulated nitrous oxide and associated scavenge are optional and provision must be confirmed to suit local jurisdictional policies and operational service requirements. The use of nitrous oxide is declining due to a range of clinical and environmental concerns. Reticulated systems have been found to increase leakage of nitrous oxide (a potent greenhouse gas) to the atmosphere, can increase facility operating costs and potentially expose staff to nitrous oxide. Reticulated nitrous oxide and associated scavenge outlets are not mandatory for any healthcare service and point of care cylinders can meet clinical requirements for the majority of healthcare facilities. Due consideration must be given to a range of operational considerations including monitoring and measurement of usage, management of leakage, WHS requirements relating to the use of cylinders, approach to the provision of scavenge where cylinders are used, appropriate storage for cylinders, and security of gas sources given nitrous oxide is used as a recreational drug.

Nurse Call

- An operational model for responding to nurse call system alerts will inform the inclusion of the nurse call system items that are shown as optional in this Standard Component. Provision is to be confirmed at project level to suit service requirements and operational models.

- An optional nurse call indicator light, which illuminates if any of the nurse call buttons within the room are pressed, is shown in the corridor outside the main entry door of the room. Where provided, the location of the indicator light is to be confirmed to ensure clear line of sight along paths of travel.

Engineering Services

- Requirements for residual current device (RCD) protection for permanently wired medical electrical equipment with Type-B applied parts are to be confirmed based on the selected dental chair and X-ray equipment. Final arrangement to be coordinated to suit project requirements and in accordance with AS/NZS 3003.
- RCD protection can be achieved with integrated RCD within socket outlets or as standalone RCD units which require a round-pin non-essential GPO to enable testing.

Radiation Protection

- Radiation shielding requirements are to be advised by a Radiation Consultant to suit the selected imaging equipment, room configuration and applicable jurisdictional requirements.



Doors and Windows

CODE	DESCRIPTION	COMMENT
DOHI-013.05	DOOR: hinged, 1 leaf, 900 clear opening, solid, shielded, standard vision panel, lead glass	primary entry door; clear opening width to suit operational requirements and anticipated user groups
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	to room side
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	to corridor side, extent dependent on movement of beds and mobile equipment in adjacent area
AFDPR-056.01	DOOR FRAME PROTECTION: full wrap, to 900H	optional, provision and extent dependent on frame material/finish and movement of beds and mobile equipment in adjacent area
DOHI-013.05	DOOR: hinged, 1 leaf, 900 clear opening, solid, shielded, standard vision panel, lead glass	optional, secondary door for staff egress, provision dependent on legislated WHS models of practice, local WHS policies, and operational service requirements
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	optional, secondary egress if provided, to room side
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	optional, secondary egress if provided, to corridor side, extent dependent on movement of beds and mobile equipment in adjacent area
AFDPR-056.01	DOOR FRAME PROTECTION: full wrap, to 900H	optional, provision and extent dependent on frame material/finish and movement of beds and mobile equipment in adjacent area
WIOP-257	WINDOW: operable, jockey sash, external, double glazed, sill at 900H	desirable, to external outlook
AHWCV-006	WINDOW COVERING: blind, venetian	



Finishes

CODE	DESCRIPTION	COMMENT
FLVY-112	FLOOR FINISH: vinyl, seamless, non-slip, safety	
FLSK-021	SKIRTING: vinyl, integral with floor vinyl, coved	
WLFI-002	WALL FINISH: paint, clinical areas	
WLFI-101	SPLASHBACK: vinyl	
WLFI-101	SPLASHBACK: vinyl	optional, to sink if provided
CLFS-011	CEILING: flush set, suspended	finish to be suitable for clinical environments, refer to local engineering services guidance for acoustic performance requirements (i.e. reverberation time control, sound absorption class, etc.)

CODE	DESCRIPTION	COMMENT
CLFI-002	CEILING FINISH: paint, clinical areas	
CLCN-031	CORNICE: square set	



Joinery

CODE	DESCRIPTION	GROUP	QTY	COMMENT
JOBE-031	BENCH: 600D, laminate	①	2	
JOBE-221	BENCH SUPPORT: end panel	①	1	
JOBE-251	CAP: cable access	①	1	
JOCU-121	CUPBOARD: wall mounted, double door	①	2	optional, to suit operational service requirements
JOCU-221	CUPBOARD: under bench, double door	①	1	
JOGE-001	BULKHEAD: joinery	①	2	optional, provide above wall mounted cupboards



Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIBM-102	MIRROR: fixed, safety glass, frameless	①	1	
FIDI-101	DISPENSER: PPE, disposable masks, wall mounted	②	1	
FIDI-106	DISPENSER: PPE, disposable gloves, wall mounted	②	1	
FIDI-231	DISPENSER: paper towel, wall mounted	②	1	
FIDI-241	DISPENSER: alcohol-based hand rub, wall mounted	②	1	
FIDI-256	DISPENSER: soap, wall mounted	②	1	
FIDI-261	DISPENSER: soap, antimicrobial, wall mounted	②	1	
FIHR-101	BRACKET: suction bottle, wall mounted	②	1	
FIHR-111	BRACKET: sharps bin, wall mounted	②	1	
FIHR-121	RACK: lead apron, single, wall mounted	②	1	optional
FIHR-255	BRACKET: combined single computer display screen, central processing unit (CPU), keyboard and mouse, articulated, joinery mounted	②	1	
FQBS-101	CHAIR: visitor, clinical areas	③	1	
FQBS-202	STOOL: clinical areas, mobile	③	2	
FQGE-121	CLOCK: analogue display, battery operated	③	1	
FQWS-003	BIN: sharps, clinical, medium	③	1	
FQWS-051	BIN: general waste, 20L	③	1	
HYBA-121	BASIN: type B, handwashing	①	1	
HYBA-421	SINK: dental, single bowl	①	1	optional, to suit operational service requirements
HYTP-067	TAPWARE: basin, tap set, wall mounted, lever handles	①	1	selection of basin and tapware should be coordinated to ensure compatibility
HYTP-182	TAPWARE: sink, tap set, wall mounted, lever handles	①	1	optional, to sink if provided
ITNE-076	TELEPHONE: handset, wall mounted	②	1	
ITNE-121	COMPUTER: single display screen, all-in-one	③	1	

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ITNE-204	INPUT DEVICE: keyboard and mouse, wireless, medical grade, washable	③	1	
MMDN-102	PEDESTAL: dental, mobile, 660H nominal, 5 equal drawers	③	2	
MMGE-191	CANNISTER: suction bottle	③	1	



Major Medical Equipment (MME)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
MMDN-031	CHAIR: dental, electric	②	1	
MMDN-041	DELIVERY SYSTEM: instrumentation, dentist, chair mounted	②	1	
MMDN-051	DELIVERY SYSTEM: instrumentation, assistant, chair mounted	②	1	
MMDN-061	DISPLAY SCREEN: dental, chair mounted	②	1	
MMDN-072	LIGHT: dental, ceiling mounted	②	1	
MMDN-091	IMAGING DEVICE: dental x-ray, wall mounted	②	1	
MMDN-096	CONTROL PANEL: dental x-ray, remote activation	②	2	within room and outside of room, location to be confirmed at project level to suit operational service requirements. a cover may be provided to the button to prevent accidental use.



Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGE-002	DIRECT CONNECTION: power, emergency	①	1	
ELGP-105	GPO: single, wall mounted, cleaner	①	1	
ELGP-113	GPO: single, wall mounted, round-pin earth	①	2	for testing of standalone RCDs
ELGP-131	GPO: single, emergency power, wall mounted	①	1	
ELGP-136	GPO: single, emergency power, ceiling mounted	①	1	for ceiling mounted dental light
ELGP-201	GPO: double, wall mounted	①	5	
ELPR-071	RCD: residual current device, wall mounted	①	2	for dental chair/x-ray, pending equipment selection
ELSW-001	SWITCH: light	①	1	
HYDR-206	DIRECT CONNECTION: wastewater, dental chair	①	1	to dental chair
HYTP-451	DIRECT CONNECTION: water, cold	①	1	to dental chair
ITCL-191	BUTTON: nurse call, emergency, with cancel, wall mounted	①	1	optional, to suit operational service requirements
ITIN-016	OUTLET: data, single RJ45, wall mounted	①	1	
ITIN-026	OUTLET: data, double RJ45, wall mounted	①	1	
ITSE-061	BUTTON: security, duress, fixed, wall mounted	①	1	
MGAS-099	DIRECT CONNECTION: suction, dental	①	1	to dental chair



Medical Services Panels and Pendants

CODE	DESCRIPTION	GROUP	QTY	COMMENT
Panel 1				

CODE	DESCRIPTION	GROUP	QTY	COMMENT
MMSP-051	MEDICAL SERVICES PANEL: wall mounted	①	1	
MGAS-032	OUTLET: nitrous oxide (N2O), on services panel	①	1	optional, dependent on local jurisdictional policies
MGAS-042	OUTLET: oxygen (O2), on services panel	①	1	
MGAS-052	OUTLET: scavenge, on services panel	①	1	optional, dependent on local jurisdictional policies
MGAS-062	OUTLET: suction, on services panel	①	1	
MGFP-041	FLOWMETER: oxygen	③	1	
MGFP-061	ADAPTER: suction	③	1	

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