

AX APPENDICES

AX.01 Schedule of Accommodation

A schedule of accommodation follows providing two scenarios: a two camera unit and a four camera unit. For the purposes of this schedule of accommodation, it is assumed the four camera unit will also include a pet service. These schedules of accommodation are indicative only and camera and PET scanner numbers should be based on a clinical services plan which examines future service trends and projected activity.

The 'Room/ Space' column describes each room or space within the Unit. Some rooms are identified as 'Standard Components' (SC) or as having a corresponding room which can be derived from a SC. These rooms are described as 'Standard Components –Derived' (SC-D). The 'SD/SD-C' column identifies these rooms and relevant room codes and names are provided. All other rooms are non-standard and will need to be briefed using relevant functional and operational information provided in this HPU.

In some cases, Room/ Spaces are described as 'Optional' or 'o'. Inclusion of this Room/ Space will be dependent on a range of factors such as operational policies or clinical services planning.

ENTRY / RECEPTION

Note 1: It is assumed that this entry/reception provides a single public access to nuclear medicine and PET services.

ROOM CODE	ROOM/ SPACE	SC/ SC-D	Qty x m ²	Qty x m ²	REMARKS
			2 Cameras	4 Cameras	
WAIT-20	Waiting	Yes	1 x 20	1 x 30	Refer Note 1
PLAP-10	Play Area – Paediatric, 10m ²	Yes	1 x 10 (o)	1 x 10(o)	
RECL-10	Reception / Clerical	Yes	1 x 10	1 x 15	2 and 3 staff
MEET-9	Meeting Room, 9m ²	Yes	-	1 x 9	Private consultations, bookings etc.
OFF-2P	Office - 2 Person, Shared, 12m ²	Yes	1 x 12 (o)	1 x 15	2 & 3 staff
STPS-8	Store - Photocopy / Stationery	Yes	1 x 8	1 x 10	Assumes usual room requirements plus some file storage, a CD burner and film printer.

WCPU-3	Toilet – Public, 3m2	Yes	-	1 x 3	Unless provided nearby the Unit.
WCAC	Toilet – Accessible, 6m2	Yes	1 x 6	1 x 6	
	Discounted Circulation		15%	15%	

WAITING – DOSED

Note 2: A separate play space may be considered in larger services where a significant paediatric service is provided.

ROOM CODE	ROOM / SPACE	SC/ SC-D	Qty x m ²	Qty x m ²	REMARKS
			2 Cameras	4 Cameras	
WAIT-10	Waiting	Yes	1 x 8	1 x 10	Seating for up to 6 and 8 dosed patients. Refer Note 2
WCPT-4	Toilet – Patient , 4m2	Yes	1 x 4	2 x 4	
BBEV-OP	Bay - Beverage, Open Plan, 4m2	Yes	1 x 4	1 x 4	
	Discounted Circulation		15%	15%	

IMAGING AREAS – NUCLEAR MEDICINE

Note 3: A single sized room is proposed to provide the capacity for services to upgrade SPECT cameras to SPECT/ CT in the future. This future-proofing will impact on planning for a control rooms although control rooms are ideally provided to support SPECT rooms. For services that only seek to provide SPECT cameras, a room size of 42m2 can be used.

Note 4: Both 2 and 4 camera units will require a collocated hot lab. A combined hot lab, serving both scanning rooms and PET scanning, may be possible. In practice, this facility needs to be located close to PET uptake rooms so this can be a limiting step. Hot lab for PET service shown at 500.022.xx.

ROOM CODE	ROOM/ SPACE	SC/ SC-D	Qty x m ²	Qty x m ²	REMARKS
			2 Cameras	4 Cameras	
	SPECT or SPECT/CT		48	48	Rooms should be rectangular (i.e. 6x8m). A

	Scanning Room				SPECT scanning room does not require a control room. Assumes phantoms are stored in camera rooms. 'Hot' phantoms will be stored in a shielded cupboards or hot lab. Assumes most injections are done in this space. Refer Note 3.
	SPECT/ CT Control Room		14	2 x 14	Assumes control rooms shared between two rooms.
STRT	Stress Testing Room	Yes	1 x 18	1 x 18	Trolley / bed access assumed.
CONS	Consult Room	Yes	1 x 12	2 x 12	For dose administration and examination.
TRMT	Treatment Room	Yes	-	1 x 14	Ideally collocated adjacent to the hot lab.
	Bone Density Measurement Room		1 x 12 (o)	1 x 12 (o)	Increase to 16m2 if trolley / bed access required
	Entry Lobby - Isotope Delivery		1 x 4 (o)	1 x 4 (o)	Dual access from main corridor and inside Unit unless delivered directly into hot lab. May be combined with waste holding store.
	Hot Lab		1 x 12	1 x 14	Refer Note 4
	Radioactive Waste Holding Store		1 x 2	1 x 3	Also need store for hot and cold phantoms 6m2.
BES	Bay – Emergency Shower	Yes	1 x 2	1 x 2	Decontamination; sited near hot lab.
	Discounted Circulation		35%	35%	

IMAGING AREAS – PET SCANNING

Note 5: This information details the requirements for one PET scanner. Much of the support space including uptake rooms would need to be increased if additional scanning rooms were provided. This scenario assumes the PET service is a discrete area of the Nuclear Medicine Unit.

Note 6: Ideally an alternate exit point is needed so patients do not have to pass through the Unit post scan.

Note 7: Tertiary services may manufacture radiopharmaceuticals. A separate radiopharmaceutical science laboratory may be provided where dedicated scientists are employed. The scale of this laboratory will be dependent on the scale and scope of manufacturing and associated activities across nuclear medicine and PET services. Selected service that dispense and manufacture may instead plan a combined hot lab/

radiopharmaceutical laboratory. If collocated with the hot lab, designated zones will need to be identified to accommodate major equipment and processes (e.g. hot cells).

ROOM CODE	ROOM/ SPACE	SC/ SC-D	Qty x m ²	REMARKS
			1 PET Scanner	
	PET/ CT Scanner		1 x 50	Sized to suit the equipment selected. Refer Note 5
	Control Room		1 x 14	May need to be radiation shielded
	PET/ CT Plant		1 x 18	Radiation shielded. Includes server, UPS etc. Air-conditioned. Notional space allocation only and will need to be tested by service engineers.
	Hot Laboratory		1 x 16	Will be adjacent to uptake rooms. Refer Note 4.
	Uptake Room		4 x 9	Refer Note 1 above. Assumes ambulant patients who will be injected in a recliner.
	Uptake / Induction Room		1 x 15	Radiation shielded. This room will also be used as an uptake room for those on beds.
	Radiopharmaceutical Laboratory		1 x 40 (o)	Refer Note 7. Notional allocation only. Will only be included where manufacturing is undertaken. Will accommodate various functions and processes, including hot cells
BHWS	Bay - Handwashing – Type B	Yes	1 x 1	In corridor
BMEQ-4	Bay – Mobile Equipment, 4m ²	Yes	1 x 4	

STGN-8	Store – General, 8M2	Yes	1 x 8	
DTUR-8	Dirty Utility – Sub, 8m2	Yes	1 x 8	
CONS	Consult Room	Yes	1 x 12	
	Discharge Lounge		1 x 8	Radiation shielded. Collocate with Beverage Bay
CHPT-D	Change Cubicle – Accessible, 4m2	Yes	1 x 4	Pre and post-scan; radiation shielded
BBEV-OP	Bay – Beverage, Open Plan, 4m2	Yes	1 x 4	Include ice machine
WCPT-4	Toilet – Patient, 4m2	Yes	1 x 4	Radiation shielded. A second toilet may be required in services with high throughput.
BES	Bay – Emergency Shower	Yes	1 x 2	For emergencies; radiation shielded
STEQ-14	Store - Equipment	Yes	1 x 12	General items.
	Viewing / Reporting Room		1 x 18	3 workstations
	Discounted Circulation		35%	

PATIENT HOLDING/ RECOVERY

Note 9: Clinical support space such as utilities, linen bays and mobile equipment bays should be within ready access of the patient holding/ recovery areas.

Note 10: Selected nuclear medicine services will provide Lutetium 177 therapy. There may be a range of ways to accommodate this service. As a starting point, a shielded four bed room may be a way of providing space to accommodate this service.

ROOM CODE	ROOM / SPACE	SC/ SC-D	Qty x m ²	Qty x m ²	REMARKS
			2 Cameras	4 Cameras	
PBTR-H-9	Patient Bay – Holding, 9m2	Yes	3 x 9	6 x 9	Curtained bays

BHWS-B	Bay - Handwashing - Type B	Yes	1 x 1	2 x 1	Part of Inpatient Holding Area
SSTN-10	Staff Station	Yes	1 x 8	1 x 10	Part of Inpatient Holding Area.
WCPT-4	Toilet – Patient, 4m2	Yes	1 x 4	1 x 4	
	Discounted Circulation		35%	35%	

CLINICAL SUPPORT – GENERAL

Note 11: Assumes much of the support space is shared between nuclear medicine and PET services but this will be dependent on Unit size and layout. In some cases, space may need to be duplicated.

ROOM CODE	ROOM / SPACE	SC/ SC-D	Qty x m ²	Qty x m ²	REMARKS
			2 Cameras	4 Cameras	
BLIN	Bay – Linen	Yes	1 x 2	2 x 2	Part of Inpatient Holding Area & for uptake rooms
BMEQ-4	Bay - Mobile Equipment, 4m2	Yes	1 x 4	2 x 4	
BMEQ-4	Bay - Mobile Equipment	Yes	1 x 2	1 x 2	e.g. Technegas machine & argon cylinder
BRES	Bay - Resuscitation Trolley	Yes	1 x 1.5	1 x 1.5	Space may instead be added to Stress Testing if located in this room
BWP	Bay - Wheelchair Park	Yes	1 x 4	1 x 6	Also for trolley/ bed storage
CLRM-5	Cleaner's Room, 5m2	Yes	1 x 5	1 x 5	May be shared with adjoining unit
DTUR-8	Dirty Utility	Yes	1 x 8	1 x 10	
DISP-8	Disposal Room, 8m2	Yes	1 x 8	1 x 8	May be shared with an adjoin unit in case of 2 camera service
STEQ-14	Store - Equipment	Yes	1 x 9	1 x 12	
CLUR-8	Clean Utility/ Medication Room - Sub	Yes	-	1 x 8	Located adjacent to Patient Holding/ Recovery. Will include storage for medications.
BES	Bay – Emergency Shower	Yes	1 x 2	1 x 2	For emergencies; radiation shielded.

	Viewing / Reporting Room		1 x 10	1 x 20	2 & 4 workstations near scanning rooms
	Discounted Circulation		35%	35%	

STAFF AREAS

ROOM CODE	ROOM / SPACE	SC/ SC-D	Qty x m2	Qty x m2	REMARKS
			2 Cameras	4 Cameras	
OFF-S12	Office- Single Person, 12m2	Yes	1 x 12	1 x 12	Unit Director
OFF-S19	Office- Single Person, 9m2	Yes	1 x 9	1 x 9	Administrative staff, registrars, medical typists, medical physicists, radiopharmacists etc Number dependent on staff establishment.
OFF-S9	Office – Workstation	Yes	5.5 (o)	5.5	Staff such as staff specialists, nursing manager, chief technologist, chief medical physicist etc. Number dependent on staff establishment
STRM-15	Staff Room	Yes	1 x 15	1 x 18	Includes beverage bay. Also used for large meetings
MEET-L-20	Meeting Room, 20m2	Yes	-	1 x 20	
MEET-9	Meeting Room, 9m2	Yes	-	1 x 9	
PROP-2	Property Bay – Staff	Yes	1 x 2	1 x 3	
SHST-3	Shower – Staff, 3m2	Yes	-	1 x 3	May be shared with adjoining unit
WCST-3	Toilet – Staff, 3m2	Yes	3	3	Number will depend on staff establishment
	Discounted Circulation		25%	25%	

CYCLOTRON AND RADIOPHARMACEUTICAL SCIENCE LABORATORY

Note 12: Very few services across Australian and New Zealand will plan collocated cyclotron facilities. While notional space is provided below, it is recommended that planners refer to the most recently completed projects to better understand the latest technology and approaches to planning.

ROOM CODE	ROOM/ SPACE	SC/ SC-D	Qty x m ²	REMARKS
			1 PET Scanner	
	Cyclotron		1 x 50	Nominal size only; additional zone may be needed for equipment.
	Radiopharmaceutical laboratory		1 x 14	Nominal only
	Staff and technical support		1 x 18	Nominal only