

20 September 2022

9(2)(a)



**RE Official information request ChChD 10944 / HNZ 3142**

I refer to your email dated 22 August 2022 requesting the following information under the Official Information Act from **Waitaha Canterbury**. Specifically:

- **Please supply all design, planning information, documentation and correspondence relating to the installation of medical air outlets into the new Waipapa Operating Theatre Complex at CDHB/Te Whatu Ora Waitaha, Christchurch. I am specifically interested in decisions made around the in-theatre fit out of medical air outlets, rather than installation / infrastructure outside the operating theatre.**

Please refer to **Appendix 1** (attached). **Note:** if you require additional information to what we are providing please let us know.

We have redacted information pursuant to section 9(2)(a) of the Official Information Act to protect privacy.

I trust that this satisfies your interest in this matter.

You may, under section 28(3) of the Official Information Act, seek a review of our decision to withhold information by the Ombudsman. Information about how to make a complaint is available at [www.ombudsman.parliament.nz](http://www.ombudsman.parliament.nz); or Freephone 0800 802 602.

Please note that this response, or an edited version of this response, may be published on the Waitaha Canterbury website after your receipt of this response.

Ngā mihi / Yours sincerely,



Ralph La Salle  
**Senior Manager, OIAs**  
**Waitaha Canterbury / Te Tai o Poutini West Coast.**

Christchurch Hospital ASB Project - Operating Theatre Pendant Services Summary

v 5.0 Updated 26/12/14 as per Andy Savin email

Pendant Type	A	B	C	D	E	F	Fa	Ca	G
Pendant Name	Surgical pendant #1	Surgical pendant #2	Anaesthetic pendant	Cellsaver pendant	Auxillary pendant	Perfusion pendant	Second arm off Perfusion pendant for injector	Second arm off Anaesthetic pendant	Radiology Anaesthetic Pendant
Room Position (ideal)	Head Left	Foot Centre	Head Right	Head Left	Foot Right	Foot Left	Foot Left	Head Right	Various
Service Requirements									
Power- double- Essential	5	5	7	5	5	4	2	5	7
Power- double- UPS	1	1	1			1			1
Power- other						15A (Heater/ cooler)			
Data- double	10	6	10	5	5	5	2	5	10
Suction- vacuum	2	2	2	2	1	2		2	2
Suction bottle adapter mounting	2	2	2			1			1
Smoke Evacuator	1	1						1	
Scavenge with failure indicators			1	1		1			1
CO2	1	1		2			1	1	
Nitrous Oxide			1						1
Oxygen			2	1		1			2
Medical Air - 4 bar			1			1			1
Tool air- 7 bar	1	1		1	1				
Comments All pendants need to be compatible to the digital theatre set up to allow conection for imaging equipment as per vendors requirements	Large stack pendant. See sweep angles needs to push out of the way.	Pushes up and back out of way, minimise bulk, 2 arm pendant.	Pushes up and back out of way, minimise bulk, 2 arm pendant				To be moved out of the way when not required	To be moved out of the way when not required	Pushes up and back out of way, minimise bulk, 2 arm pendant that has a joint so it can bend / pivot.
Equipment to be connected									
Diathermy	1	1		1				1	
Tourniquet machine	1	1							
Camera- instrument stack	1	1							
Oxygen Flowmeter			1	1		1			1
Tool Air flowmeter	1	1	1	1	1				1
Suction bottles	2	2	2			2			2
Pressure Injector							1		
Other functionality									
Patient Call									
Staff call- emergency (Red)			1						
Clinical/ Cardiac emergency (Green)									
Theatre Types									
	Paed OR1	Paed OR1	Paed OR1						ED CT
	Paed OR2	Paed OR2	Paed OR2						IR CT
	Paed OR3	Paed OR3	Paed OR3						IR DSA1
	Neuro OR4	Neuro OR4	Neuro OR4						IR DSA2
	Ortho OR5	Ortho OR5	Ortho OR5						Main Fluro Adults
	Ortho OR6	Ortho OR6	Ortho OR6						Main CT1
	Gen Surg OR7	Gen Surg OR7	Gen Surg OR7						Main CT2
	Ortho OR8	Ortho OR8	Ortho OR8						
	Gen Surg OR9	Gen Surg OR9	Gen Surg OR9						
	Gen Surg OR10	Gen Surg OR10	Gen Surg OR10						
			Hybrid OR11	Hybrid OR11	Hybrid OR11	Hybrid OR11	Hybrid OR11		
			Cardiac OR12	Cardiac OR12	Cardiac OR12	Cardiac OR12		Cardiac OR12	
Pendant Power/Data Summary per Theatre (Double = 2 outlets)	Power Outlets Essential	Power Outlets UPS	Power other (15A single)	Total Pendant Power Outlets per theatre	Total Pendant Data Outlets per theatre	Aus HFG Power per theatre (4/pendant)	Aus HFG Data per theatre (1/pendant)	Aus HFG out of date - shown for comparison only	
Paed OR1	34	6	0	40	52	12	3		
Paed OR2	34	6	0	40	52	12	3		
Paed OR3	34	6	0	40	52	12	3		
Neuro OR4	34	6	0	40	52	12	3		
Ortho OR5	34	6	0	40	52	12	3		
Ortho OR6	34	6	0	40	52	12	3		
Gen Surg OR7	34	6	0	40	52	12	3		
Ortho OR8	34	6	0	40	52	12	3		
Gen Surg OR9	34	6	0	40	52	12	3		
Gen Surg OR10	34	6	0	40	52	12	3		
Hybrid OR11	46	4	1	51	54	N/A	N/A		
Cardiac OR12	52	4	1	57	60	N/A	N/A		
TOTALS FOR 12 THEATRES	438	68	2	508	634				



Pendant Requirements  
20.8.14

Pendant Type	A	B	C	D	E	F	Fa	Ca	G
Pendant Name	Surgical pendant #1	Surgical pendant #2	Anaesthetic pendant	Cellsaver pendant	Auxillary pendant	Perfusion pendant	Second arm off Perfusion pendant for injector	Second arm off Anaesthetic pendant	Radiology Anaesthetic Pendant
	Paed OR1	Paed OR1	Paed OR1						ED CT
	Paed OR2	Paed OR2	Paed OR2						IR CT
	Paed OR3	Paed OR3	Paed OR3						IR DSA1
	Neuro OR4	Neuro OR4	Neuro OR4						IR DSA2
	Ortho OR5	Ortho OR5	Ortho OR5						Main Fluro Adults
	Ortho OR6	Ortho OR6	Ortho OR6						Main CT1
	Gen Surg OR7	Gen Surg OR7	Gen Surg OR7						Main CT2
	Ortho OR8	Ortho OR8	Ortho OR8						
	Gen Surg OR9	Gen Surg OR9	Gen Surg OR9						
	Gen Surg OR10	Gen Surg OR10	Gen Surg OR10						
			Hybrid OR11	Hybrid OR11	Hybrid OR11	Hybrid OR11	Hybrid OR11		
			Cardiac OR12	Cardiac OR12	Cardiac OR12	Cardiac OR12		Cardiac OR12	

NOT FOR THE OFFICIAL INFORMATION ACT

Medical Services Panel Requirements

20.8.14

MSP	1	2	3	4	5	6	7
	Perioperative				Radiology		
	PODS	Admissions/ Stepdown & PACU	Paediatrics	SUPPORT	Radiology Anaesthetic MSP	PACU MSP	MSP
Service Requirements							
Power- double- Essential	11	5	3		7	5	4
Power- double- UPS	1				1		
Power- other							
Data- double	12	5	3		12	5	4
Suction- vacuum	2	3	1	1	2	3	2
Suction bottle adapter mounting	1 - Not Paeds	1	1		1	1	1
Smoke Evacuator							
Scavenge with failure indicators	1			1	1		
CO2				1			
Nitrous Oxide	1			1	1		
Oxygen	2	2	1	1	2	2	1
Medical Air- 4 bar	1	1	1	1	1	1	
Tool air- 7 bar				1			
Oxygen quick release mounting		1				1	
Comments		1 suction on the LHS for chest drain		Digital integration as per pendants required		1 suction on the LHS for chest drain	
Equipment to be connected							
Diathermy							
Tourniquet machine							
Camera- instrument stack							
Oxygen Flowmeter	1	2	1	1	1	2	
Tool air Flowmeter							
Suction bottles		1	1			1	1
Other functionality						1	1
Patient Call		1	1			1	1
Staff call- emergency (Red)	1	1	1			1	1
Clinical/ Cardiac emergency (Green)	At Command Centre	On Staff station	On Staff station			On Staff station or other	On Staff station or other

Medical Services Panel Requirements  
20.8.14

MSP	1	2	3	4	5	6	7
Department	Perioperative Floor				Radiology		
MSP Location	Theatre Pods	Admissions/ Stepdown & PACU	Paediatrics	Support	Radiology Anaesthetic MSP	Radiology PACU MSP	Nursing MSP
	Induction Rooms	Open Patient Bays	Paediatrics Consult Room	Clinical Engineering workroom	as per mark up	as per mark up	as per mark up
		Closed Patient Bays	Paediatrics Stepdown chair				
		Iso Rooms					

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## attendance sheet

ATT- OPS-0007

**project** CDHB Acute Services Building  
**Stage** Developed Design  
**department** Peri-Op Suite: OR Suite/ Procedural Admissions/ Interventional Radiology  
**AGENDA** OR Pods A, B and C – Meeting #1  
**summary**  
**date/time** 16 June 2014  
**location** Seminar Room, Hagley Outpatients

name:	role:	signed:
<b>Design Team</b>		
9(2)(a)	Health Designer/Architect, 9(2)(a)	9(2)(a)
9(2)(a)	Architect, 9(2)(a)	
<b>CDHB Team</b>		
9(2)(a)	Project Manager	9(2)(a)
<b>User Group Representatives</b>		
9(2)(a)	ANIEL Charge Anesthetic Technician	9(2)(a)
	Surgeon	
	Nurse Manager	
	Anesthetist	

		<b>Week 2</b>
		<b>WEEK B</b>
		<b>Mtg 1</b>
		<b>MONDAY 16 JUNE - ALL DAY</b>
		<b>PERIOP FIRST GROUP</b>
	LOCN	<b>SUB-GROUP 3 (Pods A, B &amp; C)</b>
		<b>OR POD A</b>
<b>Mtg</b>		<b>Rep Cat 3</b>
	1	OR-A Operating Room
	1	OR-A Exit/Scrub/Gowning/WriteUp
	1	OR-A Operating Room - Ortho/Trauma
	1	OR-A Anaesthetic Induction Room
		<b>Rep Cat 2</b>
	1	OR-A Clean-Up Room - Shared
	1	OR-A Store - Equipment
		<b>OR POD B</b>
<b>Mtg</b>		<b>Rep Cat 3</b>
	1	OR-B Operating Room
		<b>Rep Cat 1</b>
	1	OR-B Anaesthetic Induction Room
	1	OR-B Clean-Up Room - Shared
	1	OR-B Exit/Scrub/Gowning/WriteUp
	1	OR-B Store - Equipment
		<b>OR POD C</b>
<b>Mtg</b>		<b>Rep Cat 3</b>
	1	OR-C Operating Room
	1	OR-C Operating Room - Hybrid
		<b>Rep Cat 2</b>
	1	OR-C Control Room
		<b>Rep Cat 1</b>
	1	OR-C Anaesthetic Induction Room
	1	OR-C Clean-Up Room
	1	OR-C Computer Room
	1	OR-C Exit/Scrub/Gowning/WriteUp
	1	OR-C Store - Equipment
		<b>One-Off Cat 2</b>
	1	OR-C Perfusion Room



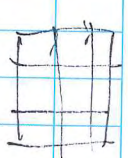
Project: CHCH HOSPITAL REDEVELOPMENT. Date: 16/6/14.  
 Meeting: PERIOD FIRST GROUP - SUBGRP 3 (PODSA, B+C) Project No:  
 Attendance: 9(2)(a)

No.	Details	Action By	Due Date	✓
	<p><u>5PPL IN MHG (&gt;3).</u></p> <p>PERIOD OP PAKES.</p> <ul style="list-style-type: none"> <li>- orientation of table.</li> </ul> <p><u>ISSUE - ICT REQTS - DIGITAL HOSPITAL.</u></p> <ul style="list-style-type: none"> <li>- need for benches for computers, screens, etc?</li> <li>- no answer from IT for some time.</li> </ul> <ul style="list-style-type: none"> <li>• PENDANTS x 2 (INCL SCR N WITH YOU ON IT).</li> <li>• BOLLARDS / PENDANTS.</li> <li>• 2 MONITORS, 2 LIGHTS</li> <li>• 3 BOLLARDS</li> <li>• <del>IV STANDS</del> ✓ OR <u>CEILING MTD?</u> ✗</li> </ul> <p>AIRWARE TROLLEY - 900H x 870W x 600D        AN. MACHINE - 1800H x 1200D x 1800W.</p> <p>PAT V/SOUND - / T.O.E.   NEAR PATIENT V/S. x2        on table ultrasound   (<u>size?</u>)        - on a trolley        [1100H x 500W + 800D]        exiting.        one per 2 theatres. - stored in anaesth        room?</p> <p>ADD - LINEN TROLLEY FOR        CLEAN LINEN. } OPER ISSUE / LIN TR IN.        - <u>SIZE?</u> } EXIT / SCRUB        AREA? ..</p> <p>STORAGE UNITS - SET OF        CUPB/DRWRS - MOBILE.        - GRP 3. → HB.        - specific to south        ON.</p>			



Project:	CHCH. & PERIOD FIVE	Date:	16/6/14.
Meeting:	SUB-GRP 3 - PODSA, B + C.	Project No:	
Attendance:			

2).

No.	Details	Action By	Due Date	✓
	<p>STORAGE - MOB. PHONES, ETC. / LAMSON BINS / near phone. PANEL.</p> <p>- 2 X TEL LINES / OR.</p> <p>SOUND SYSTEM / THEATRE. (PLUG-IN). } DIGITAL HOSPITAL</p> <p>→ INTERIM DES MITE ?</p> <p>- ISSUE - TO BE ADVISED</p> <p>AN. STOOLS = CHAIRS (not stools).</p> <p>DRUG SAFE - CLOSE TO AN TROLLEY. - <u>SIZE TBC.</u></p> <p>+ BENCH. U/N.</p> <p>PHARMACY - OPER. PROTOCOLS / SYSTEMS.</p> <p>RADIATION PROTECTION</p> <p>- MOBILE SCREENS / GOWNS. } ?</p> <p>- INDUCTION ROOM / SLAVE MONITOR? }</p> <p>O-ARM → 64m<sup>2</sup> O/T OR. — SING FOR RECOMM. FOR OR WITH O-ARM ?</p> <p>DEFIBRILLATORS. - 1 X PACU</p> <p>3 + (1 X CARDIAC) - 1 X PAEDS</p> <p>= 4 - 1 X CARDIAC OR.</p> <p>(1 near IR?)</p> <p>CO<sub>2</sub> → BOLLARDS</p> <p>BOLLARDS / PENDANTS x 3 } 1 X SURG 1 (HEAD)</p> <p>1 X SURG 2 (FOOT)</p> <p>1 X ANAESTHETIC.</p> <p>ADD TO RDS.</p> <p>INSTRUMENT TRACKING SCANNER. } Elec. Data</p> <p>- BARCODE. } 4 4</p> <p>to each OR. } </p> <p>Near</p> <p>IV Poles - Rack - Syringe Driver. } 1 gpo / rack</p> <p>= network (data), power. } (2 pumps)</p> <p>- ON FF + E List } 1 x data.</p>			



3)

9(2)(a)

Project:	CHGH	Date:	16/6/2014
Meeting:	Periop. SG 3.	Project No:	
Attendance:			

No.	Details	Action By	Due Date	✓
	IV Poles - how many? drip - 2 per theatre. + Kiosk			
	<u>SURG #1</u> CO <sub>2</sub> X 1 MEDICAL AIR X 0 N <sub>2</sub> O X 0. O <sub>2</sub> X 0. SCAVENGE X 0 SUCTION X 2	10 x d GPO. GPO X 20 OUTLETS CARDIAC PROT. DIR COUN. X ECS. GPO. DATA X 10. TBC		
	[GAS ALARM PANEL → O/S OR.]			
	DIATHERMY SMOKE EVAC TO EVERY PEND. X 1			
	TOOL AIR X 1. (7Bar) TOURNIQUET AIR X 0. (4Bar)			
	EMERG CALL X 1 (wall). + OTHER CALL			
	VOICE/DATA POINTS. - TRIPLE.			
	SURG #1 (cont). - GPO outlets - 12 +. = 6 x d GPOs. - AV Integ. System - HDMI. X 1.	Cardiac protected? (CDHB policy)		
	11's. = 15 Amp power req'd. All power in ORs is UPS - BECA. Cardiac protection - CDHB policy late 2013?			
	<u>SURG #2</u> CO <sub>2</sub> X 0. Med Air X 0. O <sub>2</sub> X 0 7bar Surg Tool Air + 1 Suction X 1 GPO + Data - Yes.	UPS + GPO's etc. (10 x d GPOs) Cardiac Protection? DATA X 10.		



Project: CHCH PERIOD

SUBGRP3 (cont)

Date: 16/6/2014.

Meeting:

Project No:

Attendance:

4)

No.	Details	Action By	Due Date	✓
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ANAESTHETIC PENDANT.N<sub>2</sub> x 1O<sub>2</sub> x 1

Med. Air x 1

Vacuum/Suction. x 2.

Scavenging x 1 - Failure indicators

24 x data outlets

16 x GPO - (all UPS). / Cardiac Protection?  
(8 x GPO)

MSP - ON WALL - RATIONALE?  
KATDA TO CONFIRM.

Lynda B.

SHARPS BINS → THEATRE.

EXIT BAYS.

- Linen Trolleys
- X-Ray Gowns. - 8-10 - on coat hangers
- Small B/W. - btw 2 theatres
  - Burwood Blanket Warmers?
  - Size? Large vs small? | HB?
- Shelf for pillows (3 x pillows - spare).
  - wire shelf as per rec. rms. over linen trolleys.
- space for linen skip → Clean Up Room.

ACOUSTICS - STC RATINGS  
to advise Periop Grp