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JP2047

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Australian Government

Department of Defence

**JP2047 Phase 3
DEFENCE TERRESTRIAL
COMMUNICATIONS NETWORK
FACILITIES AND INFRASTRUCTURE**

All States and Territories, Australia

Statement of Evidence
to the
Parliamentary Standing Committee
on Public Works

Canberra, Australian Capital Territory
March 2014

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Defence Terrestrial Communications Network Facilities and Infrastructure

Need for works

Identified need

1. The Department of Defence relies on a highly complex Information and Communications Technology (ICT) environment to do business. This ICT environment is made up of a number of commercial, Government, specialist military and bespoke ICT systems. These systems operate over a range of networks, across a wide geographic area and provide ICT services to over 100,000 users: from email and internet, voice and video communications to security and network monitoring.
2. A series of reviews¹ have identified the need for Australian Government agencies, including Defence, to substantially improve the condition, capability, sustainability, productivity and governance of ICT while targeting real reductions in the expenditure.²

...ICT will continue to increase in importance. In particular...the increasing need for more robust and agile systems to meet rising expectations from citizens and government, deliver more efficient and effective services and operations, harness information and intelligence, and manage increased complexity in the regulatory, business and policy environments.³
3. In response, the 2009 Defence White Paper⁴ and the ICT Companion Review⁵ outline a series of strategic ICT reforms as part of the Defence Strategic Reform Program⁶, as well as deep reform of ICT processes, systems and workforce

¹ Department of Finance and Deregulation 2008, *Review of Australian Government's use of Information and Communications Technology* (Sir Peter Gershon CBE FREng) and Department of Defence 2009, *2008 Audit of the Defence Budget* (report prepared by G Pappas, McKinsey & Co.)

² Department of Finance and Deregulation 2008, op. cit., pp. 63-76.

³ Department of Finance and Deregulation 2008, op. cit., p. 15.

⁴ Department of Defence 2009, *Defending Australia in the Asia Pacific Century: Force 2030*.

⁵ Department of Defence 2009, *Defence Information and Communications Technology Strategy 2009*.

⁶ Department of Defence 2009, *The Strategic Reform Program: Delivering Force 2030*.

arrangements within the department. These reforms in the Defence ICT environment stem from five clear objectives⁷:

- a. greater ICT scalability, flexibility and adaptability;
 - b. improved information speed and accuracy;
 - c. continued technological capability edge;
 - d. enhanced interoperability; and
 - e. improved business support.
4. Defence's Joint Project 2047 Phase 3 Defence Terrestrial Communications Network (JP2047) is a key response to achieving the ICT reforms. The project will set the foundation for all ICT reform and deliver significant business advantages to Defence by upgrading, replacing, standardising and rationalising the Defence Terrestrial Communications Network (DTCN).
 5. Defence will use this opportunity to reduce network operating costs, reduce the complexity of the network and provide new collaborative business processes for ICT users, such as WiFi, mobile video conferencing and remote access. For the first time all Defence personnel whether in Australia or overseas will have reliable, high speed access to the Defence network and ICT services.
 6. To make these improvements, the DTCN needs to be supported by appropriate facilities, security, electrical power, cooling and physical infrastructure. Due to the age, size and geographic spread of the Defence estate, ICT facilities vary widely in condition, size and function. Many of the Defence sites where the DTCN and ICT equipment are housed will not support the new JP2047 capability and require urgent remediation and upgrades before June 2016—prior to the rollout of the upgraded DTCN.
 7. The aim of this project, the Defence Terrestrial Communications Network Facilities and Infrastructure Works, is to ensure the necessary ICT facilities and in-ground communications infrastructure are completed and in place to support the transformation and implementation of the JP2047 capability and the new terrestrial communications network.
 8. The scope of this project includes the provision of computer cabinets and storage, power, lighting, air-conditioning, fire protection, and security alarms and monitoring within communications rooms housing ICT equipment. Where

⁷ Department of Defence 2009, *ICT Strategy*, op. cit. p. 5.

necessary this project will also replace broken lids and locks on in-ground communications pits and install fibre optic cabling and connections to buildings with works proposed to be undertaken at 282 Defence owned and leased sites. A list of all sites is at Attachment 1.

9. The nature of the facilities and infrastructure works is uncomplicated and minor, but must be conducted across all States and Territories of Australia within an 18 to 20 month period to support the implementation schedule of the DTCN transformation.

Options considered to meet the need

10. The proposed facilities scope of work underpins the capability improvements being delivered by the JP2047 DTCN capability project, while optimising use of existing facilities and infrastructure at 282 sites across Australia.
11. JP2047 is a multi-phased project to maintain and improve the Defence networked communications infrastructure. Earlier completed phases of this capability project included a project definition study and a network security and survivability study to provide input to the capability requirements for later phases. Capability improvements completed to date include:
 - a. modernising telecommunications switching at selected Defence sites;
 - b. further strengthening of telecommunications switching;
 - c. implementing virtual private networking;
 - d. strengthening the policy framework of the network environment; and
 - e. providing enhanced encryption services on both the Defence Restricted and Secret networks.
12. **Design options.** At each location Defence has considered whether to conduct new construction/trenching or to adapt and reuse existing facilities and infrastructure. This is to ensure that the proposed works are cost-effective and entirely new works are only conducted where necessary.
13. A scoping study identified a number of Defence sites requiring facilities and infrastructure works. These are sites that are currently owned or leased by Defence and which have been used for this purpose in the past.
14. Other government agencies or organisations with links to the DTCN must ensure their respective ICT facilities are adequate to support the network connection

following the rollout of the JP2047 capability. Defence will supply the JP2047 active ICT equipment but the cost of any facilities or physical infrastructure works at sites not owned, occupied or managed by Defence are to be borne by the respective agency or facility owners. Examples include commercial entities supplying materiel to Defence and other Government agencies.

15. **Siting options.** The location of the works on each site has been dictated by the location of existing operational ICT facilities, communications rooms and in-ground communications infrastructure. Most of the project works will be conducted within existing communications rooms, reusing and adapting existing facilities and infrastructure wherever possible.
16. Where new in-ground communications infrastructure trenching or minor building works may be required, the siting of the proposed works has been subject to Defence's site selection procedures. Where potential environmental and heritage risks exist, various trenching options have been considered and designs rerouted to ensure functionality and to mitigate possible impacts.
17. **Procurement options.** To help Defence reform its ICT environment by June 2016, Telstra Corporation (Telstra) has been contracted to upgrade and manage the DTCN. Telstra has also been contracted as the Managing Contractor (MC) to design the supporting ICT facilities and infrastructure as part of the planning phase of the project.
18. The Managing Contractor Contract methodology was selected as it offers:
 - a. greater flexibility in controlling delivery times;
 - b. greater flexibility in adapting scope to meet requirements;
 - c. a more collaborative approach to contracting between Government and industry; and
 - d. greater flexibility in managing likely disruptions due to concurrent construction activities over a large number of locations.

Heritage considerations

19. An independent assessment of the potential heritage impacts of this proposal concluded there are no known impacts on historical, indigenous, archaeological, or heritage values at the proposed sites. This was determined through a desktop analysis for all sites with heritage requirements. Further analysis will be

undertaken during the next design phase to understand the impacts and the management strategies if heritage values are to be impacted.

20. All proposed works will be managed in accordance with the appropriate local, state or Commonwealth heritage requirements. It is acknowledged the works are minor in nature and will be reviewed and amended accordingly to minimise the potential for any impact on heritage values.
21. All heritage and environmental risks will be effectively managed through the preparation of a comprehensive Construction Environmental Management Plan.

Environmental impact assessments

22. An independent environmental assessment of the potential environmental impacts of this project at all sites concluded there were no significant known impacts on traffic management, noise, water quality, waste management and air quality. The assessment concluded there would be minimal impact as a result of the proposed works. Referrals under the *Environmental Protection and Biodiversity Conservation Act 1999* are not expected to be required.
23. Works at each Defence site must hold an Environmental Clearance Certificate and no works can commence until this approval is given. The certificate is issued by the Defence Regional Environment Officer who ensures works comply with the local environmental management guidelines and the Managing Contractor's Construction Environmental Management Plan. The certificate addresses all potential environmental issues and covers the respective scope of works, the Site Plan, the Construction Program, Environmental Management Plan and the Safety Management Plan.
24. Several sites were identified as potential areas of environmental significance with either site contamination or environmentally sensitive areas of flora and fauna. Where these risks have been identified, they will be considered and managed through the Environmental Clearance Certificate process and the Construction Environmental Management Plan prior to the commencement of construction.
25. Additional investigations will be undertaken during the construction preparation stages and as each site commences work on communications pits and pipes. The in-ground works will be managed in accordance with the Defence Environmental Management Framework, Defence's asbestos management

policy, Defence safety policy and Commonwealth legislation for the management and removal of asbestos.

Key legislation

26. The following key legislation is relevant to this project:
 - a. *Environment Protection and Biodiversity Conservation Act 1999* (Cth);
 - b. *Building and Construction Industry Improvement Amendment (Transition to Fair Work) Act 2012* (Cth);
 - c. *Work Health and Safety Act (WH&S) 2011* (Cth);
 - d. *Disability Discrimination Act 1992* (Cth);
 - e. *Fair Work Act 2009* (Cth); and
 - f. *Fair Work (Building Industry) Act 2012* (Cth).
27. The designs for all works will comply with all relevant and current Defence Standards, Australian Standards, Codes and Guidelines including, but not limited to, the following:
 - a. National Construction Code 2014 (includes the Building Code of Australia (BCA));
 - b. Defence Manual of Fire Protection Engineering (MFPE);
 - c. Manual of Infrastructure Engineering Electrical (MIEE); and
 - d. Defence Estate Quality Management System (DEQMS).

Impact on local communities

28. Defence has remained cognisant of potential impacts on local communities in developing the designs for the proposed works. As all works are contained within existing Defence sites and premises, the potential impact on local communities is assessed as low.
29. There will be no increase in personnel numbers as a result of this proposal. Due to the minor nature of the works at the majority of sites, the number of on-site construction workers at a site at any one time is not expected to be significant.
30. The proposed project will have a positive but temporary impact on local employment with minor works to be undertaken in all states and territories. The project will employ a range of consultants, contractors and construction workers over the construction period. Work packages may include installation of air-

conditioning systems, minor electrical upgrades, security alarm upgrades, fire protection, optic fibre cabling, and communications pit and pipe infrastructure.

Consultation with stakeholders

31. Defence recognises the importance of providing local residents, statutory authorities and other interested stakeholders an opportunity to provide input into, or raise concerns relating to the DTCN Facilities and Infrastructure project.
32. Defence has engaged with a variety of internal and external stakeholders in each of the regions impacted by this proposal. Every Federal, State and local member affected by works in their electorate will be advised of the project. A public website has been provided which details all aspects of the project works and has links to the PWC hearing information and email contacts for seeking additional information. Federal members will be offered face-to-face briefings by project staff should they wish.
33. Defence will provide a supplementary submission prior to the public hearing detailing any concerns raised during the consultation period.

Purpose of the Works

Project objectives

34. The purpose of the JP2047 Phase 3 Defence Terrestrial Communications Network Facilities and Infrastructure project is to upgrade, replace, standardise and/or rationalise the ICT facilities and communications infrastructure at Defence sites. This project will enable the DTCN to be transformed under the JP2047 ICT capability project by June 2016.

Details and reasons for site selections

35. The proposed works are being undertaken on the existing network infrastructure located on 282 sites that are currently Defence owned or leased and which have been used for this purpose in the past.
36. At 56 sites where in-ground infrastructure trenching is proposed, Defence's site selection procedures have been applied in accordance with established policies and processes as defined under the Defence Estate Quality Management System.

Detailed description of the proposed scope of works

37. The project is being undertaken at 282 geographically dispersed Defence owned and leased sites within Australia, in all states and territories. A complete site list is at Attachment 1.
38. **Communications rooms.** The proposed scope of work covers the upgrade of existing communications rooms at all sites in preparation for Telstra JP2047 ICT hardware. Where required, and priority dependent, the rooms will remain operational to support the extant communications network while the works are carried out. The works are necessary to provide space and security for new ICT equipment, to support the increased ICT capability and to support the additional heat and electrical load generated during program transition and transformation.
39. The works will include, where necessary, minor improvements or refits to existing security alarms (including key management), split-system air conditioning, emergency lighting, electrical switchboards, fire alarms and access monitoring and control systems. These works will address the new network requirements.
40. The largest installation of facilities works to support the JP2047 DTCN will be undertaken at the Defence Communication Station facilities at HMAS Kuttabul, NSW. Communication stations provide Defence with a range of communications capabilities at various locations around Australia. They act as the interface between deployed elements and strategic communications services, maintaining an 'end to end' communications capability.
41. The proposed works at HMAS Kuttabul include an extension or communications 'pod' to house new JP2047 ICT equipment. The pod is proposed to be attached to the existing communication station building and collocated with the existing DTCN equipment. Additional air-conditioning and power will be provided to support the communications pod. The plan for the HMAS Kuttabul site is at Attachment 2.
42. **Communications infrastructure.** Works on communications pit and pipe infrastructure is confined to 56 sites (Attachment 1) as existing capacity is sufficient at the remaining sites. The fibre optic cabling connections for the network will be replaced or upgraded, where necessary, to meet the performance requirements of the JP2047 capability. This may require

replacement of existing in-ground and above ground pipe conduits and cable pathways and the connecting pits and boxes to facilitate the installation or replacement of single mode fibre optic cable. At each of the sites, communications pits and pipes will be upgraded or replaced if they are:

- a. in poor condition;
- b. have broken or missing locks; or
- c. are of insufficient size and/or capacity to support JP2047 requirements.

Public transport

43. There are no new sites involved in the project scope, localised works are relatively minor and there are no changes to Defence staffing. As such there are no proposed changes to public transport arrangements.

Local road and traffic concerns

44. As the localised works are relatively minor and limited to within Defence sites, there are no significant impacts anticipated on local traffic arrangements at any site. Notwithstanding this, at each site specific Site Management Plans will include provision for the management of local traffic arrangements including a Traffic Management Plan if necessary. Conditions of roads, local traffic, pedestrian safety and related issues will be considered prior to construction commencing on any site. Following the completion of works at each site there should be no change to the number of personnel employed at each site.

Zoning and local approvals

45. The proposed works are contained entirely within Commonwealth owned, Defence controlled land and leased facilities. The works are consistent with the relevant current Defence zone and precinct plans. The proposed works do not require acquisition of additional land or involve land disposal aspects. There will be no change to existing land use conditions at each site.

Planning and design concepts

46. The general philosophy adopted for the design of the proposed facilities incorporates the following considerations:
 - a. works are to be cost effective and functional;

- b. works are to be sympathetic to the aesthetics of the existing area;
- c. where possible, the works will use conventional construction techniques and materials;
- d. maximum use of existing infrastructure and facilities will be made to minimise costs;
- e. works are to be of permanent construction unless otherwise briefed, using materials and finishes of a durable and low maintenance nature; and
- f. siting has considered all relevant constraints and functional relationships.

Structural design

- 47. Where applicable, structural designs will take into account local geotechnical conditions and be in accordance with all relevant Australian Standards, the National Construction Code 2014 and building regulations. The designs will have sufficient strength to resist the statutory loads and also be serviceable with respect to short term and long term deflections, vibrations and durability in accordance with industry best practice.
- 48. Appropriate site investigations and reports will be obtained for the proposed buildings in accordance with Australian Standard (AS) 1726. An appropriately qualified geotechnical engineer will carry out necessary site classifications. Foundation design recommendations for each site must relate to the latest edition of AS2870 (including supplement).

Materials and furnishings

- 49. Where applicable, materials and furnishings will be consistent with Australian and Defence standards related to office space and communication room refurbishments and will be consistent with the materials currently in use.
- 50. Pit and pipe infrastructure will be consistent with Australian and Defence standards, with the appropriate materials used for fibre, conduit, pits, racks and any other relevant material items.

Mechanical services

- 51. Where applicable, the mechanical services will be designed according to the function and needs of each building and/or communications room. The purpose of the mechanical services systems is to provide mandatory ventilation, thermal

comfort and air quality facilities in accordance with specific user and/or communications rooms' needs and the requirements of the National Construction Code 2014.

52. Mechanical services will be energy efficient, environmentally effective and comply with Defence requirements, the National Construction Code 2014 and its referenced standards and other required or relevant standards, codes and guidelines.

Hydraulic services

53. Where applicable, hot and cold water and sanitary drainage is to be supplied to all areas in accordance with Commonwealth, State and Territory legislation, National Construction Code 2014, relevant work health and safety requirements, AS/NZS 3666 series, AS/NZS 3500 series and the Defence Safety Manual.

Electrical services

54. Where applicable, the scope of the electrical services includes alterations and additions to the electrical reticulation and power generation systems, emergency power systems and internal electrical services.
55. Lighting and power protection will be provided in accordance with:
 - a. all applicable legislation, regulations, codes of practice and guidance publications (regulations) relevant to the State or Territory where the installation or facility is located;
 - b. all relevant Australian Standards and Defence engineering requirements; and
 - c. the Defence MIEE.

Fire protection

56. Where applicable, the scope of fire detection and protection services includes alterations and additions to existing fire detection and protection systems only. Any alterations and additions shall comply with the requirements of the MFPE, the National Construction Code 2014, and the MIEE.

In-ground communications infrastructure

57. The design documents, including site plans developed for each site, detail the in-ground communications infrastructure required to be installed. These pits, pipes, conduits and single mode optic fibre runs will comply with Defence and Australian Standards, and Defence's operational requirements.
58. This project has audited the current communications infrastructure and only proposes new infrastructure to support the JP2047 capability where the existing communications infrastructure is not of sufficient capacity or quality.

Landscaping

59. Landscaping works will be compliant with the relevant Australian Standards including the National Construction Code 2014 and any local site requirements.
60. External works are expected to be minor and only to re-establish ground disturbed by trenching in service corridors.

Security

61. The type and level of physical and non-physical security for communications rooms has been to be determined on a site-specific and functional basis by Defence. At sites where keys to communications rooms are not controlled by on-site staff, a new networked key management system will be installed to control access.

Environmental sustainability

62. The Commonwealth is committed to ecologically sustainable development and the reduction of greenhouse gas emissions. Defence reports annually to Parliament on its energy management performance and on its progress in meeting the energy efficiency targets established by the government as part of its commitment to improve Ecologically Sustainable Development (ESD).
63. This project will address this policy where possible by sourcing efficient, low energy equipment such as split-system air-conditioning units. The rest of the project constitutes passive works and is not conducive to ESD requirements.

Energy targets

64. While Defence requires that new and refurbished offices greater than 2,000 square metres to be compliant with the minimum energy performance standards in the Energy Efficiency in Government Operations (EEGO) policy, for this project there are no proposed buildings or extensions exceeding this minimum area.

Provisions for people with disabilities

65. These works will comply with required provisions for disabled access detailed in the National Construction Code 2014, Australian Standard AS1428 and Defence's policy *Disabled Access and Other Facilities for Disabled Persons*.

Work health and safety measures

66. The facilities to be provided under this project will comply with Department of Defence Work Health and Safety policy, the *Work Health and Safety Act (WHS) 2011* (Cth), Work Health and Safety (Commonwealth Employment - National Standards) Regulations and the *Defence Work Health and Safety Manual*.
67. In accordance with Section 35(4) of the *Building and Construction Industry Improvement Act 2005* (Cth), contractors will be required to hold full work health and safety accreditation from the Office of the Federal Safety Commissioner under the Australian Government Building and Construction Work Health and Safety Accreditation Scheme. All construction sites will be appropriately secured to prevent unauthorised access during the construction period. No specific or unusual public safety risks have been identified.

Asbestos management

68. Defence has conducted detailed assessment of all sites to assess the risk of disturbing in-ground contamination during trenching, installation of optic fibre and upgrade works to communications pits and pipes. No in-ground contaminants have been identified as yet however, due to the large number of project sites, the probability of encountering contaminants is medium to high.
69. In response, Defence has developed a detailed strategy for mitigation and remediation of in-ground contaminants such as asbestos. The strategy involves:
 - a. No works or disturbance to pits and pipes not directly supporting JP2047;

- b. No works or disturbance of existing pits and pipes if they meet security, JP2047 capability requirements and the Defence Communications Cabling Standard;
 - c. If a pit or pipe is identified as containing asbestos, it will not be used and the project will install new pit/pipe works adjacent to the existing infrastructure. The existing pit/pipe containing asbestos will be sealed and left in place and not disturbed where safe to do so; and
 - d. If works disturb an asbestos pit or pipe, it will be remediated.
70. This approach is consistent with the Defence Strategic Asbestos Management Plan. The plan includes a live register of asbestos with an ongoing schedule of surveys to monitor the condition of stable, sealed and in situ asbestos, and removing it if disturbed.
71. Defence's asbestos plan is compliant with Commonwealth legislation and codes of practice for the management and removal of asbestos, and requires potential asbestos identification to be followed by:
- a. immediately ceasing all activity, isolating and securing the site;
 - b. engaging the Regional Asbestos Officer to commence investigations and risk assessment;
 - c. if remediation is required, a Certified Occupational Hygienist and other industry experts will manage the control and remediation of the site; and
 - d. workers will not be allowed to return to the site until it is made safe.
72. During construction, Site Management Plans will include details of all known asbestos locations for each site. These details will be communicated to all workers working at the site, along with appropriate awareness and safety training. Site plans will also have an approved asbestos management process in place to ensure that any previously unknown asbestos if encountered by the contractor or its subcontractors during the works is identified, contained and controlled in accordance with Defence's asbestos strategy.
73. Where possible, the trenching works for communications infrastructure will avoid disturbing areas of known contamination. However, there may be some cases where pit or pipe communications infrastructure cannot be installed without disturbing existing asbestos and therefore will require remediation. This risk has had a contingency allowance allocated within the project budget.

Cost Effectiveness and Public Value

Outline of project costs

74. The estimated cost of this facilities project is \$131.1 million, excluding Goods and Services Tax. The cost includes all delivery costs, including management and design fees, construction costs, furniture, fittings and equipment, contingencies, and an allowance for escalation.

Details of project delivery system

75. Subject to Parliamentary approval of the project, a Project Manager / Contract Administrator (Facilities Administrator) will be appointed by the Commonwealth to manage the proposed works and administer the contracts for construction in the delivery phase. Also subject to Parliamentary approval of the project and successful contract negotiations, a Managing Contractor will be appointed using the Defence form of Managing Contractor Contract to control the completion of design development, to procure trade packages, and manage the overall construction of the proposed works. The Managing Contractor will also provide the Commonwealth with professional engineering advice on 'buildability' efficiencies (a project management technique to review construction processes) and provide facilities fit for purpose with associated warranties.

Construction program

76. Subject to Parliamentary approval of the project, construction is expected to begin in August 2014, with a progressively staged handover and completion of all sites being completed by mid 2016.

Public value

77. Overall, the project enables Defence to make major enhancements to its ICT network, improving its preparation for and conduct of military operations and the management of Defence business. The project will deliver a network connecting fixed and deployed locations built on a single set of standards and products. This project will support an optimised and robust network for state of the art terrestrial communications supporting Defence's ongoing protection of Australia's national interests.

78. The proposed works will enable Defence to more effectively provide ICT services to Australian Defence Force operations and deliver the financial savings mandated under the Government's Strategic Reform Program.

Revenue

79. No revenue will be derived from this proposal.

Attachment 1

Site List

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
Australian Defence College	ACT	Canberra	✓	✓		✓	✓			✓
CIOG Fleet Support Storage (Hume Warehouse)	ACT	Canberra	✓	✓		✓	✓			✓
Deakin	ACT	Canberra	✓			✓	✓			✓
DEFCOMMSTA Harman	ACT	Canberra	✓		✓	✓				
Defence - Deakin Offices	ACT	Canberra	✓			✓	✓			✓
HMAS Harman	ACT	Canberra	✓	✓		✓	✓		✓	✓
Anzac Park West	ACT	Fraser	✓			✓	✓			✓
Australian Defence Force Academy	ACT	Fraser	✓	✓		✓	✓			✓
Brindabella Business Park	ACT	Fraser	✓	✓		✓	✓		✓	✓
Campbell Park Offices	ACT	Fraser	✓			✓	✓			✓
Defence Establishment Fairbairn	ACT	Fraser	✓	✓		✓	✓		✓	✓
Duntroon Health Centre	ACT	Fraser		✓					✓	
Majura Field Firing Range	ACT	Fraser	✓	✓		✓	✓			✓
Office of Director of Military Prosecutions	ACT	Fraser	✓	✓		✓				✓
Royal Military College	ACT	Fraser	✓	✓		✓	✓		✓	✓
Russell Offices Bldg R1	ACT	Fraser	✓	✓		✓			✓	✓
Russell Offices Bldg R2	ACT	Fraser	✓	✓		✓	✓		✓	✓
Russell Offices Bldg R3	ACT	Fraser	✓			✓	✓		✓	✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
Russell Offices Bldg R4	ACT	Fraser	✓	✓		✓				✓
Russell Offices Bldg R5	ACT	Fraser	✓	✓		✓	✓		✓	✓
Russell Offices Bldg R6	ACT	Fraser	✓			✓				✓
Russell Offices Bldg R7	ACT	Fraser	✓	✓		✓	✓		✓	✓
Russell Offices Bldg R8	ACT	Fraser	✓	✓		✓	✓		✓	✓
Kogarah Depot (Rockdale MUD)	NSW	Barton	✓	✓		✓	✓		✓	✓
Timor Barracks	NSW	Bennelong	✓	✓		✓	✓		✓	✓
Pymble Multi User Depot	NSW	Bradfield	✓	✓		✓	✓			✓
Bathurst	NSW	Calare	✓	✓		✓				✓
Marrangaroo	NSW	Calare	✓	✓		✓	✓			✓
Orange Training Depot	NSW	Calare	✓	✓		✓				✓
Parkes Training Depot	NSW	Calare	✓	✓	✓	✓	✓			✓
Sutherland MUD	NSW	Cook	✓	✓		✓				✓
Coffs Harbour GRES Depot	NSW	Cowper	✓	✓		✓	✓			✓
Kempsey GRES Depot	NSW	Cowper	✓	✓		✓	✓			✓
Hydrographic Force Element Group	NSW	Cunningham	✓	✓		✓	✓			✓
Wollongong Multi User Depot	NSW	Cunningham	✓	✓		✓	✓			✓
Defence Call Centre	NSW	Eden-Monaro	✓			✓				✓
Defence Queanbeyan - Personnel records	NSW	Eden-Monaro	✓	✓		✓	✓			✓
Joint Ammunition and Logistics Organisation Twofold Bay	NSW	Eden-Monaro	✓	✓		✓	✓			✓
Broken Hill Training Depot	NSW	Farrer	✓	✓		✓	✓			✓
Liverpool Military Area (Holsworthy/Moorebank)	NSW	Fowler	✓	✓		✓	✓		✓	✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
HMAS Creswell	NSW	Fraser	✓	✓		✓	✓		✓	✓
Jervis Bay Range Facility	NSW	Fraser	✓	✓		✓			✓	✓
Beecroft Peninsula Rangers Hut (Point Perpendicular)	NSW	Gilmore	✓	✓		✓	✓			✓
DCO Nowra	NSW	Gilmore	✓	✓		✓				✓
HMAS Albatross	NSW	Gilmore	✓	✓		✓	✓		✓	✓
Blacktown MUD	NSW	Greenway	✓	✓		✓	✓			✓
Goulburn Reserve Depot	NSW	Hume	✓	✓	✓	✓				✓
Headquarters - Joint Operations Command	NSW	Hume	✓			✓				✓
Muswellbrook GRES Depot	NSW	Hunter	✓	✓	✓	✓	✓			✓
Myambat Logistic Company	NSW	Hunter	✓	✓		✓	✓			✓
Rutherford GRES Depot	NSW	Hunter	✓	✓	✓	✓				✓
Singleton Military Area	NSW	Hunter	✓	✓		✓	✓		✓	✓
Banksmeadow Depot	NSW	Kingsford Smith	✓	✓		✓	✓			✓
Kensington Training Depot	NSW	Kingsford Smith	✓	✓		✓	✓			✓
Randwick Barracks	NSW	Kingsford Smith	✓	✓		✓	✓		✓	✓
Danallam House	NSW	Lindsay	✓	✓		✓				✓
Defence - Defence Establishment	NSW	Lindsay	✓	✓		✓	✓		✓	✓
Penrith MUD	NSW	Lindsay	✓	✓		✓				✓
Port Macquarie MUD	NSW	Lyne	✓	✓		✓	✓			✓
Taree GRES Depot	NSW	Lyne	✓	✓		✓	✓			✓
Dee Why Depot	NSW	Mackellar	✓	✓		✓				✓
RAAF Glenbrook	NSW	Macquarie	✓	✓		✓	✓		✓	✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
RAAF Richmond	NSW	Macquarie	✓	✓		✓	✓		✓	✓
ADI Jennings	NSW	New England	✓	✓		✓	✓			✓
Armidale GRES Depot	NSW	New England	✓	✓		✓			✓	✓
Tamworth GRES Depot	NSW	New England	✓	✓		✓				✓
Uni of New England	NSW	New England	✓	✓		✓	✓			✓
Duck Hole Hill	NSW	Newcastle	✓						✓	
Hunter Business Centre	NSW	Newcastle	✓			✓				✓
Newcastle Training Depot	NSW	Newcastle	✓	✓		✓				✓
RAAF Williamtown	NSW	Newcastle	✓	✓		✓	✓		✓	✓
Saltash Air Weapons Range	NSW	Newcastle	✓	✓	✓	✓				✓
HMAS Waterhen	NSW	North Sydney	✓	✓		✓	✓		✓	✓
Evans Head Weapons Range	NSW	Page	✓	✓	✓	✓				✓
Grafton GRES Depot	NSW	Page	✓	✓	✓	✓	✓			✓
Lismore GRES Depot	NSW	Page	✓	✓		✓				✓
Dubbo Multi User Depot	NSW	Parkes	✓	✓		✓	✓			✓
Lancer Barracks	NSW	Parramatta	✓	✓		✓	✓		✓	✓
Lidcombe Multi User Depot	NSW	Reid	✓	✓		✓	✓			✓
Spectacle Island	NSW	Reid	✓	✓	✓	✓				✓
Murwillumbah GRES Depot	NSW	Richmond	✓	✓	✓	✓	✓			✓
Blamey Barracks	NSW	Riverina	✓	✓		✓	✓		✓	✓
DCO Wagga Wagga	NSW	Riverina	✓	✓		✓				✓
Leeton Multi User Depot	NSW	Riverina	✓	✓		✓				✓
Wagga Wagga	NSW	Riverina	✓	✓		✓	✓		✓	✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
Wagga Wagga Reserve Depot	NSW	Riverina	✓	✓		✓				✓
Erina GRES Depot	NSW	Robertson	✓	✓		✓	✓			✓
Darlington Depot	NSW	Sydney	✓	✓		✓	✓			✓
Defence Plaza Sydney	NSW	Sydney	✓	✓		✓	✓			✓
DSTO Eveleigh	NSW	Sydney	✓		✓	✓	✓			✓
Navy Band	NSW	Sydney	✓	✓		✓	✓			✓
HMAS Penguin	NSW	Warringah	✓	✓		✓	✓		✓	✓
DEFCOMMSTA Kuttabul	NSW	Wentworth	✓	✓	✓	✓		✓		
Degaussing Range	NSW	Wentworth	✓	✓	✓	✓	✓			✓
HMAS Kuttabul	NSW	Wentworth	✓	✓		✓	✓		✓	✓
HMAS Watson	NSW	Wentworth	✓	✓		✓	✓		✓	✓
Victoria Barracks Sydney	NSW	Wentworth	✓	✓		✓	✓			✓
Howard Springs South	NT	Lindsay	✓	✓		✓				✓
Bradshaw Range	NT	Lingiari	✓	✓		✓	✓		✓	✓
Delamere Air Weapons Range	NT	Lingiari	✓	✓		✓	✓			✓
Joint Defence Space Research Facility	NT	Lingiari	✓			✓				✓
Kangaroo Flats Training Area	NT	Lingiari	✓	✓	✓	✓				✓
Mt Bunday Training Area	NT	Lingiari	✓	✓	✓	✓	✓			✓
NORFORCE Arnhem Sqn	NT	Lingiari	✓	✓		✓	✓			✓
NORFORCE Centre Sqn	NT	Lingiari	✓	✓		✓				✓
NORFORCE Tindal	NT	Lingiari	✓	✓	✓	✓			✓	✓
Point Fawcett	NT	Lingiari	✓			✓				✓
RAAF Tindal	NT	Lingiari	✓	✓		✓	✓		✓	✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
Robertson Barracks	NT	Lingiari	✓	✓		✓	✓		✓	✓
Shoal Bay	NT	Paterson	✓			✓				✓
DCO Darwin	NT	Solomon	✓	✓		✓			✓	✓
Defence Establishment Berrimah	NT	Solomon	✓	✓		✓	✓		✓	✓
DFRC NT	NT	Solomon	✓	✓		✓	✓			✓
Larrakeyah Barracks	NT	Solomon	✓	✓		✓	✓		✓	✓
RAAF Darwin	NT	Solomon	✓	✓		✓	✓		✓	✓
Winnellie 1	NT	Solomon	✓	✓		✓			✓	✓
Winnellie Four	NT	Solomon	✓	✓		✓	✓			✓
Ipswich Training Depot	Qld	Blair	✓	✓	✓	✓				✓
RAAF Amberley	Qld	Blair	✓	✓		✓	✓		✓	✓
DSA - Australian Govt Security Vetting Agency	Qld	Brisbane	✓	✓		✓				✓
Victoria Barracks Brisbane	Qld	Brisbane	✓	✓		✓	✓		✓	✓
Logistic Support Depot	Qld	Capricornia	✓	✓		✓	✓			✓
Shoalwater Bay Training Area	Qld	Capricornia	✓	✓		✓	✓		✓	✓
Komiatum Barracks	Qld	Dawson	✓	✓		✓				✓
Tsimba Ridge Training Depot	Qld	Dawson	✓	✓	✓	✓	✓			✓
Yandina Training Depot	Qld	Fairfax	✓	✓		✓	✓			✓
Biloela Training Depot	Qld	Flynn	✓	✓	✓	✓	✓			✓
Blackwater Training Depot	Qld	Flynn	✓	✓	✓	✓	✓			✓
Emerald Training Depot	Qld	Flynn	✓	✓	✓	✓				✓
Gladstone ARES Depot	Qld	Flynn	✓	✓		✓	✓		✓	✓
Wondai Training Depot	Qld	Flynn	✓	✓		✓	✓			✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
Greenbank Training Area	Qld	Forde	✓	✓		✓				✓
Loganlea Training Depot	Qld	Forde	✓	✓		✓				✓
Bulimba Barracks	Qld	Griffith	✓	✓		✓	✓		✓	✓
Army Aviation Centre	Qld	Groom	✓	✓		✓	✓		✓	✓
Borneo Barracks	Qld	Groom	✓	✓		✓	✓		✓	✓
Milne Bay Depot Toowoomba	Qld	Groom	✓	✓	✓	✓	✓			✓
DCO - Nathan Business Centre - Townsville	Qld	Herbert	✓	✓		✓	✓			✓
Lavarack Barracks	Qld	Herbert	✓	✓		✓	✓		✓	✓
Mount Stuart Training Area	Qld	Herbert	✓	✓		✓	✓			✓
RAAF Townsville	Qld	Herbert	✓	✓		✓			✓	✓
Ross Island Barracks	Qld	Herbert	✓	✓		✓	✓			✓
Townsville Field Training Area	Qld	Herbert	✓	✓		✓	✓			✓
Bundaberg Training Depot	Qld	Hinkler	✓	✓		✓	✓			✓
51FNQR Normanton	Qld	Kennedy	✓	✓		✓	✓			✓
Atherton Training Depot	Qld	Kennedy	✓	✓		✓	✓			✓
DSTO Innisfail	Qld	Kennedy	✓	✓		✓				✓
Innisfail Training Depot	Qld	Kennedy	✓	✓	✓	✓				✓
Mt Isa Training Depot	Qld	Kennedy	✓	✓		✓	✓			✓
Porton Barracks	Qld	Kennedy	✓	✓		✓	✓			✓
Tully Training Area	Qld	Kennedy	✓	✓		✓	✓		✓	✓
51FNQR Weipa	Qld	Leichardt	✓	✓		✓				✓
DCO Cairns	Qld	Leichardt	✓	✓		✓				✓
HMAS Cairns	Qld	Leichardt	✓	✓		✓			✓	✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
Joint Defence Facility	Qld	Leichardt	✓	✓		✓	✓			✓
Kenny Street Naval Stores	Qld	Leichardt	✓	✓		✓	✓			✓
Macrossan Camp	Qld	Leichardt	✓		✓	✓				✓
RAAF Scherger	Qld	Leichardt	✓	✓		✓	✓		✓	✓
Damascus Barracks	Qld	Lilley	✓	✓		✓	✓		✓	✓
Caboolture Multi User Depot	Qld	Longman	✓	✓		✓				✓
Dalby Training Depot	Qld	Maranoa	✓	✓	✓	✓				✓
Warwick Training Depot	Qld	Maranoa	✓	✓		✓	✓			✓
Southport Training Depot	Qld	Moncrieff	✓	✓	✓	✓	✓			✓
Wallangarra Logistics Company	Qld	Moranoa	✓	✓		✓	✓			✓
DCO Mitchelton	Qld	Ryan	✓	✓		✓				✓
DEFCOMMSTA Enoggera	QLD	Ryan	✓	✓		✓		✓		
Gallipoli Barracks	Qld	Ryan	✓	✓		✓	✓		✓	✓
St Lucia Training Depot	Qld	Ryan	✓	✓		✓				✓
Gympie Training Depot	Qld	Wide Bay	✓	✓	✓	✓	✓			✓
Maryborough Training Depot	Qld	Wide Bay	✓	✓		✓	✓			✓
Wide Bay Training Area	Qld	Wide Bay	✓			✓				✓
Gatton Agricultural College Training Depot	Qld	Wright	✓		✓	✓				✓
Kokoda Barracks	Qld	Wright	✓	✓		✓	✓		✓	✓
Hampstead Barracks	SA	Adelaide	✓	✓		✓	✓		✓	✓
Keswick Barracks	SA	Adelaide	✓	✓		✓	✓		✓	✓
Mt Gambier Training Depot	SA	Barker	✓	✓		✓	✓			✓
Murray Bridge Range	SA	Barker	✓	✓		✓				✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
Riverland Depot (Berri Trg Depot)	SA	Barker	✓	✓		✓				✓
Warradale Barracks	SA	Boothby	✓	✓		✓	✓		✓	✓
Cultana Training Area	SA	Grey	✓	✓		✓				✓
Defence Support Centre	SA	Grey	✓	✓		✓	✓			✓
Kadina Training Depot	SA	Grey	✓	✓		✓	✓			✓
Port Lincoln Training Depot	SA	Grey	✓	✓		✓				✓
Port Pirie Multi User Depot	SA	Grey	✓	✓		✓	✓			✓
Whyalla or Yaringa MUD	SA	Grey	✓	✓		✓				✓
Woomera Range E	SA	Grey	✓	✓		✓	✓			✓
Noarlunga Multi User Depot	SA	Kingston	✓	✓		✓				✓
Edinburgh Parks 2 & 3	SA	Makin	✓	✓		✓			✓	✓
Woodside Barracks	SA	Mayo	✓	✓		✓	✓		✓	✓
Clare Training Depot	SA	Wakefield	✓		✓	✓				✓
Defence - DSTO - P&EE Port Wakefield	SA	Wakefield	✓	✓		✓	✓		✓	✓
DSTO Edinburgh	SA	Wakefield	✓	✓		✓	✓		✓	✓
Elizabeth North Training Depot	SA	Wakefield	✓	✓		✓				✓
RAAF Edinburgh	SA	Wakefield	✓	✓		✓	✓		✓	✓
DSTO - Defence Nutrition Research Centre Scottsdale	Tas	Bass	✓	✓		✓				✓
Patterson Barracks	Tas	Bass	✓	✓		✓				✓
Stoneyhead Training Area	Tas	Bass	✓	✓	✓	✓				✓
Youngtown Training Depot	Tas	Bass	✓	✓		✓				✓
Burnie Training Depot	Tas	Braddon	✓	✓	✓	✓				✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
Devonport Training Depot	Tas	Braddon	✓	✓		✓				✓
Anglesea Barracks	Tas	Denison	✓	✓		✓	✓		✓	✓
Derwent Barracks	Tas	Denison	✓	✓		✓	✓		✓	✓
Fort Direction	Tas	Franklin	✓	✓		✓				✓
Warrane Training Depot	Tas	Franklin	✓	✓		✓				✓
Buckland Training Area	Tas	Lyons	✓	✓		✓	✓			✓
Pontville Rifle Range	Tas	Lyons	✓	✓		✓				✓
Ballarat Multi User Depot	Vic	Ballarat	✓	✓		✓	✓			✓
Simpson Barracks	Vic	Batman	✓	✓		✓			✓	✓
Bendigo Multi User Depot	Vic	Bendigo	✓	✓		✓	✓		✓	✓
Army - Maygar Barracks	Vic	Calwell	✓	✓		✓	✓			✓
Mt Waverley Training Depot	Vic	Chisholm	✓	✓		✓				✓
Oakleigh Training Depot	Vic	Chisholm	✓	✓		✓				✓
Surrey Hills Trg Depot	Vic	Chisholm	✓	✓		✓				✓
Colac Training Depot	Vic	Corangamite	✓	✓	✓	✓				✓
Fort Queenscliff	Vic	Corangamite	✓	✓		✓			✓	✓
Swan Island Training Area	Vic	Corangamite	✓	✓		✓	✓		✓	✓
Geelong Training Depot	Vic	Corio	✓	✓		✓			✓	✓
Point Wilson	Vic	Corio	✓	✓	✓	✓				✓
Ringwood East Training Depot	Vic	Deakin	✓	✓		✓	✓			✓
HMAS Cerberus	Vic	Flinders	✓	✓		✓	✓		✓	✓
West Head Gunnery Range	Vic	Flinders	✓	✓		✓	✓			✓
Fort Gellibrand Training Depot	Vic	Gellibrand	✓			✓			✓	✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
Sunshine Training Depot	Vic	Gellibrand	✓	✓		✓				✓
Williamstown	Vic	Gellibrand	✓	✓		✓	✓			✓
Bairnsdale Training Depot	Vic	Gippsland	✓	✓	✓	✓				✓
Dutson Bombing Range	Vic	Gippsland	✓	✓	✓	✓	✓			✓
Newborough Training Depot	Vic	Gippsland	✓	✓		✓	✓			✓
RAAF East Sale	Vic	Gippsland	✓	✓		✓	✓		✓	✓
Sandringham Training Depot	Vic	Goldstein	✓	✓		✓				✓
Bandiana South	Vic	Indi	✓	✓		✓	✓		✓	✓
Gaza Ridge Barracks	Vic	Indi	✓	✓		✓	✓	✓	✓	✓
Latchford Barracks	Vic	Indi	✓	✓		✓	✓		✓	✓
Wadsworth Barracks	Vic	Indi	✓	✓		✓			✓	✓
Wangaratta ARES Depot	Vic	Indi	✓	✓	✓	✓				✓
Defence Archives & Army Health Records	Vic	Isaacs	✓	✓		✓	✓			✓
Doveton Multi User Depot	Vic	Isaacs	✓	✓		✓	✓			✓
Hawthorn Training Depot	Vic	Kooyong	✓	✓		✓	✓			✓
Point Cook	Vic	Lalor	✓	✓		✓	✓		✓	✓
RAAF Williams	Vic	Lalor	✓	✓		✓	✓		✓	✓
Horsham Training Depot	Vic	Mallee	✓	✓	✓	✓	✓			✓
Kairivu Barracks	Vic	Mallee	✓	✓	✓	✓				✓
Swan Hill ARES Depot	Vic	Mallee	✓	✓	✓	✓				✓
Menin Barracks	Vic	Maribyrnong	✓	✓		✓				✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
Joint Ammunition and Logistics Organisation Depot	Vic	McEwen	✓	✓		✓				
Land Engineering Agency	Vic	McEwen	✓	✓		✓	✓			✓
Puckapunyal Military Area	Vic	McEwen	✓	✓		✓	✓		✓	✓
Carlton Training Depot	Vic	Melbourne	✓	✓		✓				✓
Defence Plaza Melbourne	Vic	Melbourne	✓	✓		✓	✓			✓
Victoria Barracks Melbourne	Vic	Melbourne	✓	✓		✓	✓		✓	✓
DSTO Fishermans Bend	Vic	Melbourne Ports	✓	✓		✓				✓
St Kilda Training Depot	Vic	Melbourne Ports	✓	✓		✓	✓		✓	✓
Somme Barracks	Vic	Murray	✓	✓	✓	✓		✓		✓
Warrnambool Training Depot	Vic	Wannon	✓	✓	✓	✓				✓
Palmer Barracks (JLU-W)	WA	Blaxland	✓	✓		✓	✓		✓	✓
DCO Rockingham	WA	Brand	✓	✓		✓				✓
DEFCOMMSTA Stirling	WA	Brand	✓	✓		✓		✓		
HMAS Stirling (Fleet Base West)	WA	Brand	✓	✓		✓	✓		✓	✓
Rockingham Depot 11/28 RWAR B Coy	WA	Brand	✓	✓		✓	✓			✓
Bunbury Training Depot - 11/28 RWAR A Coy	WA	Bunbury	✓	✓		✓				✓
Campbell Barracks	WA	Curtin	✓	✓		✓	✓		✓	✓
Irwin Barracks	WA	Curtin	✓	✓		✓	✓		✓	
Carnarvon Training Depot	WA	Durack	✓	✓		✓				✓
Defence Satellite Comms	WA	Durack	✓	✓		✓	✓			✓
Geraldton Training Depot	WA	Durack	✓	✓	✓	✓				✓
Harold E Holt	WA	Durack	✓	✓	✓	✓	✓		✓	✓

Site	State	Electorate	Electrical Services	HVAC	Security Works	ICT Equipment	Fire Services	Building Works	Pit & Pipe	Key Safes
Newman Training Depot	WA	Durack	✓	✓		✓				✓
NORFORCE Derby	WA	Durack	✓	✓	✓	✓				✓
NORFORCE Kimberley Sqn	WA	Durack	✓	✓		✓	✓			✓
NORFORCE Kununurra	WA	Durack	✓	✓		✓				✓
Port Hedland Training Depot	WA	Durack	✓	✓		✓				✓
RAAF Curtin	WA	Durack	✓	✓		✓				✓
RAAF Learmonth	WA	Durack	✓	✓		✓			✓	✓
Taylor Barracks	WA	Durack	✓	✓		✓	✓		✓	✓
Tom Price Training Depot	WA	Durack	✓	✓		✓				✓
Artillery Barracks	WA	Fremantle	✓	✓		✓	✓			✓
Australian Marine Complex Common User Facility	WA	Fremantle	✓			✓				✓
Leeuwin Barracks	WA	Fremantle	✓	✓		✓			✓	✓
Joondalup Training Depot	WA	Moore	✓	✓		✓				✓
Albany Training Depot	WA	O'Connor	✓	✓	✓	✓				✓
Kalgoorlie Training Depot	WA	O'Connor	✓	✓	✓	✓				✓
Katanning Training Depot	WA	O'Connor	✓	✓	✓	✓				✓
Bindoon Training Area	WA	Pearce	✓	✓		✓	✓			✓
Gin Gin Satellite Airfield	WA	Pearce	✓			✓			✓	✓
Northam Training Camp	WA	Pearce	✓	✓	✓	✓				✓
RAAF Pearce	WA	Pearce	✓	✓		✓			✓	✓
Perth	WA	Perth	✓	✓		✓				✓

Attachment 2

HMAS Kuttabul proposed site plan

