

Appendices

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Appendix A: Defence Cooperation Program

The Defence Cooperation Program (DCP) has made a significant contribution to Australia's international defence engagement since the 1960s. The program:

- Enables cooperative development of capability.
- Improves Australia's capacity to work with partners in response to common security challenges.
- Builds strong people-to-people links with partner militaries at the tactical, operational and strategic levels.

The DCP advances Australia's strategic interests. In line with those interests, the DCP-priority countries and regions include Papua New Guinea (PNG), Indonesia, Timor-Leste, Pacific island countries, Southeast Asia, Pakistan and the Middle East. The objective is to maximise Australia's security through developing close and enduring links with partners that support their capacity to protect their sovereignty, work effectively with the Australian Defence Force (ADF) and contribute to regional security.

To achieve its objectives, the DCP suite of activities includes education courses, training, personnel exchanges, capacity building, military secondments, strategic dialogues, visits, infrastructure support, and exercises and operations.

The DCP supports the provision of education and training positions in Australia for international military personnel. Junior and senior officers from regional countries undertake short-and long-term courses at Australian military and civilian educational institutions. This training builds military professionalism by equipping participants with the skills they will use throughout their military careers. International military personnel also return home having developed a better understanding of Australia and having built networks with counterparts in the ADF. These people-to-people links are further maintained through defence alumni associations.

Australia maintains regular defence talks with regional countries in order to exchange views on regional security issues and to discuss defence cooperation priorities. The DCP also supports a program of visits by senior defence representatives to and from Australia. Through these visits, Australia gains an improved understanding of regional militaries and the strategic outlook of neighbouring countries.

Defence seeks to develop the institutional and governance frameworks of regional defence organisations as well as the capabilities of their security forces. The DCP achieves these objectives through ADF mobile training teams, support for logistics and infrastructure development, and the posting of Defence personnel as advisers to regional defence and security organisations. It is in Australia's interest to support professional and capable regional militaries that we can operate with in support of regional security and stability.

In the Pacific, a key element of the DCP, and the centrepiece of Australia's defence engagement, is the Pacific Maritime Security Program. The Pacific Maritime Security Program is the successor to the original Pacific Patrol Boat Program, through which Australia provided 22 Patrol Boats (with in-country advisory personnel, maintenance support, crew training and technical assistance) to 12 Pacific Island nations. Under the Pacific Maritime Security Program, Australia is replacing the existing fleet of Pacific Patrol Boats with new larger and more capable vessels. This program now consists of 22 Guardian class patrol boats for gifting to Pacific Island nations and Timor-Leste designed and built by Austal Ships. The first Guardian class patrol boat was gifted to a Pacific Island nation (PNG) in 2018 and a further 14 have been gifted to date. The Pacific Maritime Security Program expands the scope of the Pacific Patrol Boat Program by including a region-wide integrated aerial surveillance capability and support for enhancing regional coordination. The Program engages Pacific navies and police maritime wings and is designed to enhance the sovereign capability of participating Pacific Island nations to independently police their maritime zones.

The ADF conducts exercises with other militaries in order to build our shared capacity to work together in response to regional security contingencies, including humanitarian assistance and disaster relief, peacekeeping, counter-terrorism, maritime security, and military governance and professionalism. These exercises are conducted in the air, land and maritime domains and take place both in Australia and across the region. Exercising together promotes interoperability and builds familiarity between our armed forces and those of our regional military partners.

Australia's DCP with PNG is our largest with any country. The PNG DCP supports the PNG Defence Force and Defence to be a more capable, sustainable and professional regional security partner, and supports current and future leaders to build a strong and resilient Defence Force. The PNG DCP will continue to facilitate the conduct of bilateral exercises, mobile training teams, logistics support, capability development, governance, training support and information sharing.

Table 53: Defence Cooperation Program Budget 2023-24 ^[a]

Defence is committed to being flexible and responsive to the needs of our international partners. The global strategic environment is dynamic and can result in shifting demands requiring the re-allocation of funds between nations or at a regional level. In our near region in particular, the threat posed by climate change and other non-traditional security threats are shifting the priorities of our partner security forces to focus on shared regional resilience and disaster preparedness. In order to remain flexible and responsive to emerging and long-term needs of our partners, the DCP budget allocation will now occur at the regional level.

	2022-23 Budget Estimate \$'000	2022-23 Estimated Actual \$'000	2023-24 Budget Estimate \$'000
Pacific Region ^[b]	175,444	185,854	248,261
Southeast Asia	34,440	37,822	34,915
Other regional activities	16,641	25,229	18,122
Defence International Training Centre ^[c]	670	540	399
Total	227,195	249,445	301,697

Notes

- DCP funding does not include support provided through the Capability Acquisition Program.
- Per the *Defence Strategic Review* the investment in the Pacific Region has increased to help our Pacific partners respond to climate change and other non-traditional security threats and includes some one-off projects.
- The Defence International Training Centre (DITC) provides training in Australia for the defence forces of Southeast Asia and Pacific nations and to other selected overseas personnel. The DITC is managed by Joint Capabilities Group.

Appendix B: Top 30 Military Equipment Acquisition Program Approved Projects

The Top 30 Military Equipment Acquisition Program Approved Projects table includes other elements of acquisition that contribute to an overall capability (excluding workforce). The table reflects the top 30 projects prior to the full implementation of decisions related to the *Defence Strategic Review*. The full range of adjustments are anticipated to be finalised for the 2024-25 Portfolio Budget Statements. Projects are grouped in the revised domain structure introduced through Defence's Capability Program Architecture.

The Military Equipment Acquisition line in the table corresponds to the historical presentation for this table, which would principally include the project elements relating to the acquisition of major systems, such as aircraft, ships or vehicles. Where projects involve other elements that are not part of the major capability system, these have been included within the Other Project Inputs to Capability line. This could include facilities, information communications technology, and research and development.

Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan) ^[a] ^[b]

Domain/Project Name	Project Number/ Phase	Project Inputs to Capability	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 30 Military Equipment Acquisition Project Descriptions
Air Domain						
New Air Combat Capability	AIR 6000 Phase 2A/B	Military Equipment Acquisition	16,456	11,677	870	This project is approved to acquire 72 F-35A Lightning II (Joint Strike Fighter) aircraft and supporting elements to form four squadrons – three squadrons for operations and one squadron for training. The prime contractor, Lockheed Martin, is contracted to the United States Government to develop and produce F-35A aircraft. Australia is procuring the aircraft through a cooperative partnership. During 2023-24, the remaining 12 Aircraft will be delivered and Full Operational Capability is expected.
		Other Project Inputs to Capability	1,726	1,532	0	
Multi-mission Unmanned Aircraft System	AIR 7000 Phase 1B	Military Equipment Acquisition	2,134	887	315	This project is approved to acquire the MQ-4C Triton Remotely Piloted Aircraft System for maritime patrol and other intelligence, surveillance and reconnaissance roles. The aircraft and systems are being procured through a cooperative program with the United States Navy. The approved scope includes the first three aircraft, associated operations and training systems and facilities, and integration into Defence networks. During 2023-24, project activities in preparation for the arrival of the first aircraft and support systems due in 2024-25 will continue.
		Other Project Inputs to Capability	643	96	182	

Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan)(Continued) ^[a] ^[b]

Domain/Project Name	Project Number/ Phase	Project Inputs to Capability	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 30 Military Equipment Acquisition Project Descriptions
Air Domain (Continued)						
Ground Based Air & Missile Defence Enhancement	LAND 19 Phase 7B	Military Equipment Acquisition	1,233	814	190	<p>This project will deliver Army's new Short Range Ground Based Air Defence system. This is an enhanced version of the Raytheon/Kongsberg National Advanced Surface to Air Missile System, which incorporates guided missiles and missile launchers, command and control shelters, electro-optical sensors and radars mounted on current Army vehicles. Australian-developed radars from CEA Technologies will be provided as Government furnished equipment to replace the United States-developed Sentinel radar in the system.</p> <p>During 2023-24, the project will complete integration, testing, operator training, and continue with manufacture and delivery of equipment.</p>
		Other Project Inputs to Capability	287	58	157	
Enhanced Maritime Strike for Air Combat Capability	AIR 3023 Phase 1	Military Equipment Acquisition	751	267	333	<p>This project will acquire a suite of maritime strike weapon systems to enable air-delivered strike against well-defended maritime targets in complex and littoral environments for use by Air Force air combat aircraft, including the F/A-18F Super Hornet, P-8A Poseidon and, in the future, the F-35A Lightning II. Equipment will be procured through the United States Government Foreign Military Sales program.</p> <p>During 2023-24, the project will continue to progress acquisition activities for the Long Range Anti-Ship Missile and Joint Strike Missile and enabling systems, and monitor the United States Navy integration onto the F/A-18F Super Hornet and P-8A Poseidon.</p>
		Other Project Inputs to Capability	15	4	3	
Long Range ISREW Aircraft	AIR 555 Phase 1	Military Equipment Acquisition	2,360	1,710	175	<p>This project is approved to acquire four MC-55A Peregrine aircraft including mission, ground and support systems, and Australian-based facilities. The project is primarily a developmental Foreign Military Sales acquisition through the United States Air Force.</p> <p>During 2023-24, flight and mission system testing, and initial operator and maintenance training will be conducted in the United States. Additionally, ground and support system deliveries will continue, ensuring that the operational support infrastructure and systems are installed, integrated and fully functional prior to aircraft delivery.</p>
		Other Project Inputs to Capability	514	312	116	

Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan)(Continued) ^[a] ^[b]

Domain/Project Name	Project Number/ Phase	Project Inputs to Capability	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 30 Military Equipment Acquisition Project Descriptions
Air Domain (Continued)						
Advanced Growler Development	AIR 5349 Phase 6	Military Equipment Acquisition	3,200	442	206	This project is approved to acquire a number of upgrades to the airborne electronic attack capability, centred on the EA-18G Growler aircraft. The upgrades include the Next Generation Jammer being developed and procured through a cooperative program with the United States Navy. Other elements will be procured through a range of avenues and include anti-radiation missiles, airborne decoys, aircraft system upgrades and electronic warfare training range enhancements.
		Other Project Inputs to Capability	259	36	54	During 2023-24, the project will continue to contribute to the Next Generation Jammer cooperative program with the United States Navy, and work with CEA Technologies on Electronic Warfare Ranges design activities.
Multi Domain Joint Strike - Air Launch	AIR 6004 Phase 2	Military Equipment Acquisition	558	22	180	This project will acquire long-range air launch strike weapons and enabling systems for use by Air Force's air combat aircraft, including the F/A-18F Super Hornet and, in the future, the F-35A Lightning II. Equipment will be procured through the United States Government Foreign Military Sales program.
		Other Project Inputs to Capability	-	-	-	During 2023-24, the project will continue to progress acquisition activities for the Joint Air to Surface Stand-off Missile – Extended Range (JASSM-ER) and enabling systems, and monitor the United States Navy integration onto the F/A-18F Super Hornet.
Weapons & Countermeasures for Air Combat Capability	AIR 6000 Phase 3	Military Equipment Acquisition	810	213	172	This project will deliver weapons (excluding air-to-air missiles) and countermeasures for use by Air Force's air combat aircraft, including the F/A-18F Super Hornet and F-35A Lightning II. Equipment will primarily be acquired through the United States Government Foreign Military Sales program, with some items purchased via direct commercial sales, including supply of general purpose bombs through Australian Munitions.
		Other Project Inputs to Capability	0	0	-	During 2023-24, the project will continue to progress acquisition activities and accept deliveries for Small Diameter Bomb I and II, 500lb and 2000lb guided bombs, countermeasures and ammunition.

Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan)(Continued) ^[a] ^[b]

Domain/Project Name	Project Number/ Phase	Project Inputs to Capability	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 30 Military Equipment Acquisition Project Descriptions
Air Domain (Continued)						
Lead-In Fighter Capability Assurance	AIR 5438 Phase 2	Military Equipment Acquisition	586	169	159	This project is upgrading the Hawk 127 Lead-In Fighter Training System and replacing the aircraft engines, ensuring the training system is safe and fit-for-purpose through to the revised Hawk 127 planned withdrawal date of 2032.
		Other Project Inputs to Capability	-	-	-	During 2023-24, the engine flight test program will be conducted and fleet embodiment will commence. The Government has agreed to re-scope this project as part of re-prioritisation of Defence capabilities in line with the <i>Defence Strategic Review</i> recommendations.
MQ-28A Ghost Bat	DEF 6014 Phase 2	Military Equipment Acquisition	454	233	145	This project (formerly referred to as Loyal Wingman) aims to deliver an uncrewed combat air system with fighter-like performance to contribute to the joint force. Following on from the Phase 1 development of three prototypes, Phase 2 of the project will acquire an additional seven aircraft, bringing the total Defence fleet to 10.
		Other Project Inputs to Capability	3	2	0	During 2023-24, air vehicle and mission system development will continue through flight, ground and laboratory test phases. In line with the <i>Defence Strategic Review</i> for greater collaboration with the United States a Combat Collaborative Aircraft Project Arrangement has been signed between the United States and Australia.
P-8A Maritime Patrol & Response Aircraft System	AIR 7000 Phase 2	Military Equipment Acquisition	5,732	4,599	118	This project is approved to acquire 14 P-8A Poseidon aircraft and supporting elements for maritime patrol and other intelligence, surveillance and reconnaissance roles. The aircraft and systems are being procured through a cooperative program with the United States Navy. This includes a suite of aircrew and maintenance training systems, three Mobile Tactical Operations Centres, and logistics support elements.
		Other Project Inputs to Capability	936	799	27	During 2023-24, updates will continue across the Australian fleet to align the aircraft and training system configurations with the latest P-8A capability baseline.

Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan)(Continued) ^[a] ^[b]

Domain/Project Name	Project Number/ Phase	Project Inputs to Capability	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 30 Military Equipment Acquisition Project Descriptions
Air Domain (Continued)						
Growler Airborne Electronic Attack Capability	AIR 5349 Phase 3	Military Equipment Acquisition	3,508	2,905	135	This project is approved to acquire 12 EA-18G Growler aircraft, ALQ-99 Tactical Jamming Systems, associated weapons, support and training systems to establish an airborne electronic attack capability for Defence.
		Other Project Inputs to Capability	366	472	-	During 2023-24, the project is scheduled to complete deliveries associated with the Growler training system.
Air to Air Weapons for Joint Strike Fighter	AIR 6000 Phase 5	Military Equipment Acquisition	902	373	135	This project will acquire war stock and training reserves of air-to-air missiles for use by Air Force's air combat aircraft, including the F/A-18F Super Hornet and F-35A Lightning II. Equipment will be procured through the United States Government Foreign Military Sales program.
		Other Project Inputs to Capability	-	-	-	During 2023-24, the project will continue to progress acquisition activities and accept deliveries for AIM-9X Sidewinder and AIM-120D Advanced Medium Range Air to Air Missiles.
Information and Cyber						
Enhanced HF Communications Re-Modernisation Program	JNT 9101 Phase 1	Military Equipment Acquisition	848	187	178	This project will enhance the Defence High Frequency Communications System. This involves facilities upgrades at 10 sites across Australia, replacing mission system equipment and introducing enhanced technology into the system. The enhanced capability will provide greater communications capacity and faster speeds, and improved interoperability between Defence and its partners.
		Other Project Inputs to Capability	403	27	106	During 2023-24, the project will begin work at Townsville QLD and Riverina NSW.
Multiple Tactical Data Link Network	JNT 9347 Phase 1	Military Equipment Acquisition	565	137	131	This project will expand and modernise Defence's Joint Data Networks to enhance command and control through the timely distribution and management of tactical and intelligence data between aircraft, ships, vehicles and ground nodes.
		Other Project Inputs to Capability	144	81	16	During 2023-24, the project will deliver key tactical data link equipment and radios, support integration on Defence platforms, and finalise design and development for future Joint Data Network Systems.

Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan)(Continued) ^[a] ^[b]

Domain/Project Name	Project Number/ Phase	Project Inputs to Capability	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 30 Military Equipment Acquisition Project Descriptions
Land Domain						
Main Battle Tank Upgrade, Combat Engineering Vehicles	LAND 907 Phase 2	Military Equipment Acquisition	2,283	215	971	This project will deliver 75 M1A2 Abrams Main Battle Tanks to replace the in-service M1A1 variant, 52 Combat Engineering Vehicles and associated training and simulation systems. The upgraded Main Battle Tanks and Combat Engineering Vehicles will be acquired through the United States Government Foreign Military Sales program.
		Other Project Inputs to Capability	36	10	5	During 2023-24, the Main Battle Tanks and Combat Engineering Vehicles will commence full rate production. The project will continue to undertake detailed preparation for the delivery of the vehicles in partnership with the United States Government. This includes planning for introduction into service and enduring support of the capabilities, and establishment of contracts with Australian industry for training systems and engineering and logistics support.
Mounted Combat Reconnaissance Capability	LAND 400 Phase 2	Military Equipment Acquisition	5,657	2,467	812	This project will deliver 211 Boxer 8x8 Combat Reconnaissance Vehicles for Reconnaissance, Joint Fires and Surveillance, Multi-Purpose, Command, Repair and Recovery roles. An additional 12 Mission Modules will be acquired, providing Army with the ability to rapidly re-role from one variant to another. The vehicles will replace the Australian Defence Force's current combat reconnaissance vehicle capability, the Australian Light Armoured Vehicle. The primary role of the vehicles will be to perform ground-based reconnaissance and counter-reconnaissance activities.
		Other Project Inputs to Capability	128	48	13	During 2023-24, the project will progress various design reviews and testing activities for Joint Fires and Surveillance, Command, Repair and Recovery variants, while production activities for the Reconnaissance variant will continue.

Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan)(Continued) ^[a] ^[b]

Domain/Project Name	Project Number/ Phase	Project Inputs to Capability	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 30 Military Equipment Acquisition Project Descriptions
Land Domain (Continued)						
MRH Rapid Replacement	LAND 4507 Phase 1	Military Equipment Acquisition	3,372	351	642	This project will acquire 40 UH-60M Black Hawks via the United States Government Foreign Military Sales program as a proven and mature utility helicopter to replace the current MRH90 Taipan.
		Other Project Inputs to Capability	377	29	34	During 2023-24, the project will focus on delivery, acceptance and flight operation of the first five UH-60M aircraft. The project will also deliver spares and support equipment, individual aircrew and maintenance training, and support test and evaluation activities.
Armed Reconnaissance Helicopter (ARH) Replacement	LAND 4503 Phase 1	Military Equipment Acquisition	4,393	110	285	This project will acquire 29 AH-64E Apache as a proven and mature helicopter to replace the current Tiger helicopter capability.
		Other Project Inputs to Capability	63	12	21	During 2023-24, the project will focus efforts on pursuing initial provisioning through the Foreign Military Sales arrangements with the United States Army and developing AH-64E Apache sustainment arrangements.
Protected Mobile Fires	LAND 8116 Phase 1	Military Equipment Acquisition	1,316	433	228	This project will deliver 30 Self-Propelled Howitzers and 15 Armoured Ammunition Resupply Vehicles.
		Other Project Inputs to Capability	42	5	10	During 2023-24, the project will continue design, testing and integration activities, and commence vehicle production. The Government has agreed to the <i>Defence Strategic Review</i> recommendation that Phase 2 of this project be cancelled.
Special Operations Capability Enhancement	LAND 1508 Phase 1	Military Equipment Acquisition	340	144	74	This project will provide Special Operations with leading edge capability including body armour, weapons, diving, parachuting, roping and climbing systems, medical and search and rescue, communications, human performance training and support.
		Other Project Inputs to Capability	568	65	91	During 2023-24, the project will continue to deliver the first tranche of capabilities and continue planning and delivery of the second tranche of capabilities.

Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan)(Continued) [a] [b]

Domain/Project Name	Project Number/ Phase	Project Inputs to Capability	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 30 Military Equipment Acquisition Project Descriptions
Land Domain (Continued)						
ADF Small Arms Replacement	LAND 159 Phase 1	Military Equipment Acquisition	463	57	140	This project will replace and upgrade weapons systems ranging from fighting knives, pistols, rifles and machine guns to Anti-Tank Guided Missile systems. During 2023-24, the project will undertake activities to prepare for delivery of a first tranche and develop options for a second tranche.
		Other Project Inputs to Capability	67	20	22	
Tactical Training Vehicles	LAND 121 Phase 5B	Military Equipment Acquisition	1,170	808	133	This project will complete the medium and heavy vehicle capability replacement program commenced under project LAND 121 Phase 3B. It will acquire an additional 1,044 medium and heavy vehicles, 872 modules and 812 trailers. During 2023-24, the project will continue to deliver production vehicles and trailers.
		Other Project Inputs to Capability	230	149	23	
ADF Deployable Health	JNT 2060 Phase 3	Military Equipment Acquisition	401	142	152	This project will deliver a whole of system Deployable Health Capability for Army and Air Force that includes an integrated, modular and scalable system ranging from basic primary health care and first aid, through to hospital care, including acute treatment and intensive care. The project will facilitate the construction and use of the Deployable Health Capability Support Centre in Bundamba QLD. During 2023-24, the project will finalise the design of the Deployable Health Capability Mission System and equipment, and support the conduct of an operational test and evaluation activity.
		Other Project Inputs to Capability	12	8	3	
Tactical Unmanned Aerial Vehicles Upgrade	LAND 129 Phase 3	Military Equipment Acquisition	371	136	91	This project will replace and enhance the existing Tactical Uncrewed Aerial System capability. During 2023-24, the project will be focused on executing initial support contract arrangements and progression towards Initial Operational Capability.
		Other Project Inputs to Capability	76	14	35	

Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan)(Continued) ^[a] ^[b]

Domain/Project Name	Project Number/ Phase	Project Inputs to Capability	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 30 Military Equipment Acquisition Project Descriptions
Land Domain (Continued)						
Joint Counter Improvised Explosive Device	LAND 154 Phase 4	Military Equipment Acquisition	653	290	118	This project provides a Joint Counter Improvised Explosive Device Capability to protect against radio controlled improvised explosive devices, equipment for Explosive Ordnance Disposal teams and search, neutralisation and exploitation capabilities for the Australian Defence Force.
		Other Project Inputs to Capability	40	19	7	Following recent Government approval, the project will deliver remote positioning vehicles (in contract) as well as progressing mounted and dismounted force protection equipment, route clearance capability and facilities to support force protection Electronic Countermeasure capability.
Maritime Domain						
Hunter Class Frigate - Design and Construction	SEA 5000 Phase 1	Military Equipment Acquisition	6,161	2,559	780	<p>This project will introduce into service nine new anti-submarine warfare frigates. Based on the Type 26 Global Combat Ship, the Hunter class frigates will replace the existing fleet of eight Anzac class frigates and form the next generation of major surface combatants. The Government approved stage of the project covers design and productionisation.</p> <p>During 2023-24, the project will continue to progress design and productionisation activities including prototyping, acquisition of long lead items, and the conduct of a whole of ship preliminary design review.</p>
		Other Project Inputs to Capability	1,020	462	110	<p>Production of the first three Hunter class schedule protection blocks will continue during 2023-24, and work will continue on maturing Australian industry capability.</p> <p>The Government has agreed to the <i>Defence Strategic Review</i> recommendation for a review of Navy’s Surface Combatants Fleet capability to be completed in Q3 2023.</p>

Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan)(Continued) ^[a] ^[b]

Domain/Project Name	Project Number/ Phase	Project Inputs to Capability	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 30 Military Equipment Acquisition Project Descriptions
Maritime Domain (Continued)						
Arafura Class Offshore Patrol Vessel	SEA 1180 Phase 1	Military Equipment Acquisition	3,664	1,389	414	This project will acquire 12 new vessels to replace the capability delivered by the Armidale and Cape class patrol boats. The primary role of the Arafura class offshore patrol vessel (OPV) will be maritime border patrol and response. Build commenced on OPV 1 at Osborne, South Australia in November 2018. Construction of OPV 2 commenced in June 2019 at Osborne. Subsequent OPVs will all be built at Henderson, Western Australia.
		Other Project Inputs to Capability	984	358	220	During 2023-24, the project will continue to progress the build and acceptance of the OPVs. OPV 1 will be offered for acceptance in Q4 2023, OPV 2 will be launched in Q3 2023 and OPV 3 will be launched in Q2 2024. Construction will commence on OPV 7 in Q3 2023. The Government has agreed to the <i>Defence Strategic Review</i> recommendation for a review of Navy's Surface Combatants Fleet capability to be completed in Q3 2023.
Navy Guided Weapons Sub-Program	SEA 1300 Phase 1	Military Equipment Acquisition	6,264	1,079	545	This project is introducing a programmatic approach to delivering Navy guided weapon capabilities. During 2023-24, the project will continue to progress development and acquisition activities related to long-range anti-ship missiles, extended range surface-to-air missiles, advanced lightweight torpedoes and advanced maritime land strike capabilities.
		Other Project Inputs to Capability	44	2	7	
Hobart Class Destroyer - Aegis Capability Upgrade	SEA 4000 Phase 6	Military Equipment Acquisition	949	232	232	This project will increase the ADF air and missile defence capability. The project will upgrade the three Hobart class destroyers' Aegis combat system to Aegis Baseline 9 and replace the Kongsberg Australian Tactical Interface with a Saab Australia developed Australian Interface.
		Other Project Inputs to Capability	15	11	3	During 2023-24, the project will continue to progress planning and development work.

Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan)(Continued) ^[a] ^[b]

	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m
Total Top 30 Projects (Gross Plan) – Total	86,554	39,677	10,323
Total Top 30 Projects (Gross Plan) - Other Project Inputs to Capability	9,000	4,629	1,267
Total Top 30 Projects (Gross Plan) - Military Equipment Acquisition	77,555	35,048	9,057
Other Approved Project Gross Plans - Military Equipment Acquisition	62,898	48,985	3,848
Total Approved Projects (Gross Plan) - Military Equipment Acquisition	140,453	84,033	12,905
Overprogramming - Military Equipment Acquisition			-3,491
Net Approved Program - Military Equipment Acquisition			9,414

Notes

- a. Approved Project Expenditure, Estimated Cumulative Expenditure to 30 June 2023 and Budget Estimate 2023-24 are on an accrual basis, and funded by appropriation.
- b. Budget estimates shown as 0 are amounts greater than \$0 but less than \$500,000.

Appendix C: Top 30 Capability Sustainment Products

The Top 30 Capability Sustainment products are grouped in the revised domain structure introduced through Defence's Capability Program Architecture.

Table 55: Top 30 Capability Sustainment Products by End of Financial Year Outcome 2023-24

Product Name	Product Serial	Budget Estimate 2023-24 \$m ^[a]	Top 30 Capability Sustainment Product Descriptions
Air Domain			
F/A18F Super Hornet & Growler Weapon System	CAF21	534	<p>The Air Combat and Airborne Electronic Attack capability comprises a fleet of 24 F/A-18F Super Hornet and 12 EA-18G Growler aircraft, with associated support elements operating from RAAF Base Amberley. Defence will procure one additional Growler (under AIR5349 Phase 3), restoring the fleet to 12, following the loss of one aircraft in 2018. The F/A-18F Super Hornet delivers Air Combat capability. The EA-18G Growler is an electronic attack aircraft capable of disrupting, deceiving or denying a broad range of military electronic systems, including radars and communications. Both capabilities are operated from RAAF Base Amberley, QLD.</p> <p>During 2023-24, F/A-18F and EA-18G aircraft are scheduled to undergo planned capability upgrades as a part of the United States Navy-managed Spiral Upgrade Program to ensure the platform's ongoing lethality and survivability in a contested air combat environment, and to maintain configuration alignment with United States Navy.</p>
F-35 Joint Strike Fighter	CAF30	484	<p>The F-35A Lightning II capability currently comprises 62 aircrafts and is based at RAAF Base Williamtown, NSW and RAAF Base Tindal, NT. The aircraft and associated support elements are transitioning into service and will provide Australia with a fifth-generation Air Combat capability. In-service sustainment is primarily delivered through the F-35 Global Support Solution facilitated by the United States based F-35 Joint Program Office and supplemented through local direct commercial arrangements.</p> <p>During 2023-24, all 72 aircraft will have been received and Air Force is scheduled to achieve Full Operational Capability. Defence will continue to mature the F-35A sustainment support system to meet the directed level of operational capability and Air Force pilot training throughput requirements.</p>
Airborne Early Warning and Control System - AEWG	CAF20	279	<p>The Airborne Early Warning and Control capability comprises six E-7A Wedgetail aircraft and associated support elements operated from RAAF Base Williamtown, NSW. Sustainment is provided under a performance-based arrangement for maintenance, logistics, engineering, training and program management to support the capability.</p> <p>During 2023-24, the focus will be on advancing multiple mission system obsolescence remediation activities, implementing safety and cybersecurity modifications, and maximising aircraft fleet availability to support international partner training.</p>
P-8A Poseidon Maritime Patrol and Response	CAF35	182	<p>The Maritime Patrol and Response capability currently comprises 12 P-8A Poseidon aircraft and support elements operated from RAAF Base Edinburgh, SA. The fleet will grow to 14 in 2024-25. Support elements include three Mobile Tactical Operation Centres including deployable flyaway kits, and various Training Support Systems including two Operational Flight Trainers and Weapons Tactics Trainers. The capability is supported via a cooperative program with the United States Navy and a Through Life Support contract for sustainment within Australia.</p> <p>During 2023-24 the focus will be on maturing sustainment relationships between the Through Life Support contractor and the United States Navy P-8A Cooperative Program.</p>

Table 55: Top 30 Capability Sustainment Products by End of Financial Year Outcome 2023-24 (Continued)

Product Name	Product Serial	Budget Estimate 2023-24 \$m ^[a]	Top 30 Capability Sustainment Product Descriptions
Air Domain (Continued)			
KC-30A Weapon System Multi-role Tanker Transport	CAF22	171	<p>The Multi-Role Tanker Transport capability comprises seven KC-30A aircraft, a flight simulator and associated support elements, operated from RAAF Base Amberley, QLD. All seven aircraft are capable of air-to-air refueling from pod and boom systems and airlift logistics support. In 2019, the seventh aircraft was delivered with a government transport configuration. Support is provided through a performance-based arrangement for maintenance, logistics, engineering, training and program management to support the capability.</p> <p>During 2023-24, the focus will be on maturing sustainment performance, supporting military operations, and expansion of aircraft types certified as capable of air-to-air refueling from the KC-30A Multi-Role Tanker Transport. Mid-life upgrade activities on the KC-30A fleet will progress.</p>
C-17 Heavy Air Lift Weapons System	CAF19	169	<p>The Heavy Airlift capability comprises eight C-17A Globemaster III aircraft, a flight simulator, and associated support elements operated from RAAF Base Amberley, QLD. The majority of sustainment support for aircraft and training systems is provided via United States Air Force Foreign Military Sales global support arrangements for the worldwide C-17A Globemaster fleet. These global sustainment arrangements are supplemented by a contract for support services within Australia.</p> <p>During 2023-24, there will be a number of minor upgrades to the fleet to address obsolescence, rectify minor deficiencies, and maintain configuration alignment with the United States Air Force. Upgrades will improve satellite connectivity and treat obsolescence of the heads up display.</p>
C130J-30 Weapon System	CAF06	141	<p>The Medium Airlift capability consists of 12 C-130J Hercules aircraft, a flight simulator, and associated support elements operated from RAAF Base Richmond, NSW. The capability is supported by two performance-based contracts for deeper level maintenance, logistics and engineering support for the aircraft, and for support for the propulsion system.</p> <p>During 2023-24, there will be efficient delivery of concurrent programs of deeper maintenance and six further C-130J Block Upgrade enhancements. Engine program improvements include improved service delivery and schedules from industry partners to further reduce risks over the remaining life of type.</p>
Lead-In Fighter Hawk 127 Weapon System	CAF03	135	<p>The Lead-In Fighter Training capability comprises 33 Hawk 127 lead-in fighter aircraft and related support systems and is operated from RAAF Bases Williamtown, NSW and Pearce WA.</p> <p>During 2023-24, the focus will be on generating required rates of availability to support Air Force requirements, while supporting the embodiment of new engines delivered by the Lead-In Fighter Capability Assurance project.</p>
Pilot Training System	CAF37	123	<p>The Pilot Training System comprises 49 turbo propeller aircraft, seven flight training devices, six cockpit procedural trainers, mission pre-briefing and debriefing systems, personal learning devices, learning environments and courseware. This capability provides an integrated fixed wing pilot training system for ab-initio pilots and qualified flying instructors for Navy, Army and Air Force. Aircraft currently operate from RAAF Bases at East Sale VIC, Pearce WA, Edinburgh SA and Williamtown NSW.</p> <p>During 2023-24, the focus will be on executing initiatives to improve throughput of ab-initio students.</p>

Table 55: Top 30 Capability Sustainment Products by End of Financial Year Outcome 2023-24 (Continued)

Product Name	Product Serial	Budget Estimate 2023-24 \$m ^[a]	Top 30 Capability Sustainment Product Descriptions
Air Domain (Continued)			
MC-55A Peregrine Airborne ISREW Capability	CAF40	115	The MC-55A Peregrine Airborne Intelligence Surveillance, Reconnaissance and Electronic Warfare Capability will sustain four MC-55 Peregrine aircraft and related support systems. During 2023-24, the focus will be on the establishment of initial support arrangements to allow operation of the aircraft upon arrival in Australia.
Wide Area Surveillance (OTHR)	CAF13	111	The Wide Area and Space Surveillance Capability is delivered through the High Frequency Radar system known as the Jindalee Operational Radar Network (JORN). JORN comprises three Over-The-Horizon-Radars located in proximity to Longreach QLD, Laverton WA and Alice Springs NT. During 2023-24, the focus will be on sustainment of new enhancements and upgrades to the capability system. A maturing sustainment obsolescence program will contribute to enhanced supportability of current assets through to replacement.
Special Purpose Aircraft	CAF09	96	Sustainment of the Special Purpose Aircraft is provided at RAAF Fairbairn ACT, through an Australian support contract. During 2023-24, the focus will be disposal of two Boeing Business Jet platforms and introducing into service two Boeing 737-8 'max' platforms.
Defence Enterprise Programs			
Explosive Ordnance Manufacturing Facilities	CJC01	100	The Explosive Ordnance Manufacturing Facilities provide for the safe, compliant, and sustainable operation of the Government Owned Contractor Operated munitions and explosives factories at Benalla and Mulwala. These facilities provide the Australian Defence Force with a supply of specified domestically manufactured munitions and a surge capability to be able to generate and maintain munitions stock surety. During 2023-24, the focus will be to continue the delivery of key sustainment activities that will provide enhanced domestic manufacturing capability and increased surety of supply. The contracted operator provides Defence with a direct supply of high explosives and to selected allied partners that increases the resilience of their supply chains.
Land Domain			
Multi Role Helicopter - TLH MRH90	CA48	285	The multi-role helicopter fleet is located at the 5th Aviation Regiment in Townsville QLD, 6th Aviation Regiment in Sydney NSW, and Army Aviation Training Centre in Oakey QLD. Deeper maintenance is conducted in Brisbane QLD. During 2023-24, Defence will work with industry to assure capability through to the transition to the UH-60M. Defence will commence drawdown and end of service arrangements for MRH90 Taipan. A transition facility has been established at Townsville airport to store aircraft in preparation for end of service.

Table 55: Top 30 Capability Sustainment Products by End of Financial Year Outcome 2023-24 (Continued)

Product Name	Product Serial	Budget Estimate 2023-24 \$m ^[a]	Top 30 Capability Sustainment Product Descriptions
Land Domain (Continued)			
Explosive Ordnance - Army Munitions Branch	CA59	271	<p>Sustainment of Army Munitions and Guided Weapons support Army's explosive ordnance inventory which consists of small arms ammunition, pyrotechnics, mortar and artillery ammunition, special purpose ammunition, demolitions stores, vehicle ammunition, direct fire and Army guided weapons. This also includes sustainment of inventory used by Navy and Air Force where Army is the lead service.</p> <p>During 2023-24, key sustainment activities include rationalisation of land explosive ordnance inventory, maturing through life management plans and transitioning to in-service support of new capabilities procured by major projects, such as Future Artillery Ammunition. This will also include consideration of domestic manufacturing and in country maintenance, repair, overhaul and upgrades.</p>
Armed Reconnaissance Helicopter Weapons System	CA12	161	<p>In-service support is provided for the Armed Reconnaissance Helicopter (ARH Tiger) Weapon System.</p> <p>During 2023-24, Defence will continue to work with Airbus Australia Pacific to improve ARH Tiger armed reconnaissance helicopter availability and sustainability.</p>
Battlespace Communication Systems	CA31	118	<p>The Battlespace Communications System comprises a range of deployable voice and data communications systems for command and control.</p> <p>During 2023-24, key activities will include capability enhancements to the trunk system, as the backbone of a deployed network, acquisition of a new mobile retransmission system, reduction and disposal of obsolete radio systems, and support for design, acquisition and sustainment.</p>
Protected Mobility Fleet - Bushranger	CA04	115	<p>This product provides in-service support for the Bushmaster Medium Protected Mobility Vehicles and Hawkei Light Protected Mobility Vehicles. Support is provided by Regional Joint Logistics Units and the vehicle manufacturer Thales Australia. Contractor deliverables include engineering support, spare parts and heavy grade repair of the vehicles.</p> <p>During 2023-24, key activities include continuing to support the Bushmaster fleet, establishing sustainment systems to support the Hawkei vehicles, and providing support for the gifting of Bushmaster vehicles to Ukraine.</p>
ADO Commercial Vehicles Fleet	CA19	96	<p>Defence's commercial vehicle fleet comprises approximately 6,000 vehicles and trailers. The fleet ranges from passenger sedans through to heavy rigid trucks, touring coaches and aviation refueling vehicles. SG Fleet provide fleet management services as part of a whole of Australian Government Fleet Services contract.</p> <p>During 2023-24, the passenger and light-medium commercial fleet will be replaced as part of a rolling vehicle replacement program. The fleet will continue the procurement of low emission vehicles to support the Government's target of reducing Australia's carbon emissions.</p>

Table 55: Top 30 Capability Sustainment Products by End of Financial Year Outcome 2023-24 (Continued)

Product Name	Product Serial	Budget Estimate 2023-24 \$m ^[a]	Top 30 Capability Sustainment Product Descriptions
Maritime Domain			
Collins Class Submarine	CN10	717	<p>This product manages the sustainment of Collins class submarine materiel capability, assuring availability targets are met; that submarines are materially prepared (in conjunction with selected capability upgrades) to undertake scheduled operational activities; and to assure availability of the present submarine escape and rescue capability. This work is conducted under enterprise arrangements with industry and through key contracts with ASC, Raytheon Australia, Thales Australia, BAE Systems, PMB Defence, James Fisher Defence, and other providers.</p> <p>During 2023-24, the program will continue to assure Navy's agreed Collins class submarine performance targets are achieved, as continual improvement and efficiency initiatives are implemented. Ongoing Collins class submarine life-of-type extension work (through CN62) will continue to inform sustainment plans for the Collins class fleet.</p>
Anzac Class Frigate	CN02	375	<p>This product comprises support arrangements to maintain the capability of the eight Anzac class frigates and support systems through the provision of materiel support, maintenance and engineering services.</p> <p>During 2023-24, the focus will be on completing the scheduled Anzac class maintenance activities. The Anzac Midlife Capability Assurance Program will also continue over this period. This program will progress upgrades to maritime communications (SEA 1442 Phase 4), and air search radar (SEA 1448 Phase 4B). The follow-on Transition Capability Assurance Program, which is the overarching program delivering a large number of discrete capability insertion projects for the Anzac class frigates, will also commence in 2023-24. This program will carry the Anzac class frigates through the transition to the Hunter class frigates.</p>
Hobart Class Destroyer	CN40	249	<p>This product comprises support arrangements to maintain the capability of three Hobart class destroyers through the provision of materiel support and ongoing maintenance of the ships and associated equipment, systems and operator training facilities.</p> <p>During 2023-24, the focus will be on undertaking scheduled maintenance activities, which include the planned docking cycle for the Hobart class, to ensure Navy's requirements are achieved. Preparations will increase to support the Aegis Upgrade Program (SEA 4000 Phase 6), and associated class capability enhancements.</p>
MH-60R Seahawk Romeo Helicopter	CN35	195	<p>The MH-60R Seahawk 'Romeo' capability is operated from HMAS Albatross in Nowra NSW, and is supporting eight embarked flights in Navy ships. In-service support is led through a United States Government Foreign Military Sales case.</p> <p>During 2023-24, the focus continues to be on expanding current sustainment arrangements to support the additional helicopters delivered under the Improved Embarked Logistics Support Helicopter project (SEA 9100 Phase 1), which will increase the total fleet to 36 by the end of 2026.</p>
Canberra Class Amphibious Ship	CN34	173	<p>This product comprises support arrangements to maintain the capability of the two Canberra class amphibious ships and 12 associated landing craft, through the provision of materiel support and ongoing maintenance of the ships and associated equipment, systems and operator training facilities.</p> <p>During 2023-24, the focus will be on delivering the scheduled maintenance activities, achieving a steady state for the in-service support arrangements and progression of design activities for the Canberra class capability assurance program (SEA 2048 Phase 6).</p>

Table 55: Top 30 Capability Sustainment Products by End of Financial Year Outcome 2023-24 (Continued)

Product Name	Product Serial	Budget Estimate 2023-24 \$m ^[a]	Top 30 Capability Sustainment Product Descriptions
Maritime Domain (Continued)			
Collins Submarine Program Life of Type Extension	CN62	160	<p>Planning, design and engineering activity is currently progressing to extend the life of all six Collins class submarines under CN62. This life-of-type extension related work, integrated with effective ongoing sustainment (under CN10) and select capability enhancements (most specifically under SEA 1439), will assure the Collins class remains enduring, potent and agile, supporting continuity of Australia's submarine capability in combination with delivery of the nuclear-powered submarine pathway.</p> <p>HMAS Farncomb will be the first Collins class submarine to be extended. The life-of-type-extension full-cycle docking during which the key elements of the life-extension work will be implemented in Farncomb is planned to commence at Osborne, in South Australia, from mid-2026 and will extend the planned service-life of Farncomb until 2038.</p> <p>During 2023-24, the focus will be on working with ASC to progress design and procure long lead time items, coordinated with ongoing sustainment and selected capability enhancements.</p>
Anzac Class Frigate Capability Assurance Program	CN65	133	<p>The eight Anzac class frigates were due to reach Planned Withdrawal Date between 2024 and 2033. To meet the introduction of the Hunter class frigates from 2031, there is a need to extend the life of the Anzac class frigates.</p> <p>This will require an average of a nine year life extension per ship. The life extension will be enabled through a Transition Capability Assurance Program, or TransCAP, that will extend the life of the ships and generate the weight, space and power margins to accommodate capability insertions to keep the ships relevant to the threat.</p>
Navy Explosive Ordnance	CN54	119	<p>This product supports Navy's guided weapons and explosive ordnance including precision guided munitions, countermeasures, navigational outfits and naval gunnery. Navy's guided weapons are categorised into three main capability streams: maritime strike and munitions, underwater weapons, and air and missile defence.</p> <p>During 2023-24, the focus will be on maintaining existing inventories at funded readiness levels, incorporating new products into existing support systems and preparing support systems to meet future inventory demand. This will also include consideration of domestic manufacturing and in-country maintenance, repair, overhaul and upgrades.</p>
Aegis Combat System	CN60	114	<p>This product covers the sustainment of the Aegis combat systems in the Hobart class destroyers and its related shore based test and training infrastructure, both in Australia and the United States.</p> <p>During 2023-24, the focus will be commencing the installation of combat system computer program major update; and delivering software and hardware updates for Aegis combat system elements.</p>
Armidale Class Patrol Boat	CN09	107	<p>This product comprises support arrangements to maintain the capability of the Armidale class patrol boats, Cape class patrol boats and evolved Cape class patrol boats through the provision of materiel support and ongoing maintenance of the ships and associated equipment and systems.</p> <p>During 2023-24, the focus will be on continued delivery of operational capability for the patrol force, the phase-out activities for the remaining Armidale class patrol boats, acceptance into service of the evolved Cape class patrol boats and ongoing efforts to develop a robust enduring support system for evolved Cape class patrol boats.</p>

Table 55: Top 30 Capability Sustainment Products by End of Financial Year Outcome 2023-24 (Continued)

Product Name	Product Serial	Budget Estimate 2023-24 \$m ^[a]	Top 30 Capability Sustainment Product Descriptions
Maritime Domain (Continued)			
Maritime Electronic Warfare and Radar Systems	CN24	96	Maritime Electromagnetic Warfare and Radar Systems support provides development, sustainment and disposal of current and future electromagnetic warfare and intelligence systems, enabling sense, analyse and effect capabilities in support of deployments and operations. During 2023-24, the activities will continue to provide support and sustainment of these systems.

	Budget Estimate 2023-24 \$m ^[a]
Total Top 30 Capability Sustainment Products	6,124
Other Sustainment Product Estimates	3,948
Total Capability Sustainment Product Funds Available	10,072
Support to Operations	67
Total Capability Sustainment including support to Operations	10,139

Note

a. Budget Estimate 2023-24 is on an accrual basis, and funded by appropriation.

Appendix D: Enterprise Estate and Infrastructure

The Enterprise Estate and Infrastructure Program component of the Integrated Investment Program comprises approved and yet to be approved major and medium capital facilities and infrastructure projects. These projects are providing new and refurbished facilities and infrastructure works to sustain the existing Defence Estate, support current and future capability requirements, support Government initiatives, and ensure compliance with legislative obligations. Upgrades and development of Australia's northern network of bases, ports and barracks are being prioritised to support implementation of the *Defence Strategic Review*.

Major capital facilities and infrastructure projects are defined as having expenditure of \$75 million and over (excluding GST) and are subject to Government and parliamentary approval. Medium capital facilities and infrastructure projects have expenditure between \$5 million and \$75 million (excluding GST), and are subject to Government approval and notification to the Parliamentary Standing Committee on Public Works. Details of approved major and medium Enterprise Estate and Infrastructure Program projects are provided in this Appendix which reflects projects prior to the full implementation of decisions related to the *Defence Strategic Review*.

Approved Major and Medium Enterprise Estate and Infrastructure Program Projects

The table below, and the following descriptions, provide details on the progress and expenditure of approved major and medium Enterprise Estate and Infrastructure Program projects for 2023-24.

Where projects contribute to broader capability acquisitions, as part of the Top 30 Military Equipment Acquisition Program Approved Projects, the value of these projects is included within the 'Other Project Inputs to Capability' lines in Table 54.

Table 56: Approved Major and Medium Enterprise Estate and Infrastructure Program Projects by State and Federal Electorate

	State and Federal Electorate	Total Estimated Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	2023-24 Budget Estimate \$m
RAAF Base Tindal Redevelopment Stage 6 and United States Force Posture Initiative (USFPI) Airfield Works and Associated Infrastructure				
RAAF Tindal	NT - Lingiari	1,582.0	537.4	317.5
Enhanced Land Force (ELF) Stage 2^[a]				
Lone Pine Barracks	NSW - Hunter		117.5	-
Puckapunyal Training Area	VIC - Nicholls		11.8	-
Simpson Barracks	VIC - Jagajaga		20.2	-
RAAF Amberley	QLD - Blair		9.6	-
Lavarack Barracks	QLD - Herbert		62.2	-
Townsville Training Area	QLD - Kennedy		3.9	-
Greenbank Training Area	QLD - Wright		120.7	-
Gallipoli Barracks	QLD - Ryan		807.9	-
Wide Bay Training Area	QLD - Wide Bay		78.3	-
Kokoda Barracks	QLD - Wright		71.8	-
Cultana Training Area	SA - Grey		69.9	33.2
RAAF Edinburgh	SA - Spence		34.5	-
Majura Field Training Area	ACT - Canberra		13.4	-
Royal Military College Canberra	ACT - Canberra		9.0	-
Mount Stuart	QLD - Kennedy		4.1	-
Total		1,476.0	1,434.8	33.2

Table 56: Approved Major and Medium Enterprise Estate and Infrastructure Program Projects by State and Federal Electorate (Continued)

	State and Federal Electorate	Total Estimated Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	2023-24 Budget Estimate \$m
Navy Capability Infrastructure				
Sub-program: Offshore Patrol Vessel (OPV)				
Facilities (SEA 1180 Phase 1) ^{[a] [b]}				
HMAS <i>Coonawarra</i>	NT - Solomon		75.5	70.8
RAAF Darwin	NT - Solomon		8.2	2.5
HMAS <i>Cairns</i>	QLD - Leichhardt		41.7	69.7
HMAS <i>Stirling</i>	WA - Brand		143.7	60.4
Henderson Maritime Precinct	WA - Fremantle		44.1	9.1
Total		918.5	313.2	212.5
Navy Capability Infrastructure				
Sub-program: Hunter Class Frigate				
Program Facilities (SEA 5000 Phase 1) ^{[a] [b]}				
HMAS <i>Watson</i>	NSW - Wentworth		-	-
Garden Island Defence Precinct	NSW - Sydney		-	-
St Kilda	SA - Spence		102.4	0.2
Osborne Naval Shipyard	SA - Hindmarsh		25.9	49.2
HMAS <i>Stirling</i>	WA - Brand		196.6	39.1
Henderson Maritime Precinct	WA - Fremantle		68.3	16.9
Total		915.5	393.2	105.4
Maritime Patrol Aircraft Replacement (AIR 7000 Phase 2B) ^{[a] [b]}				
RAAF Edinburgh	SA - Spence		502.3	22.0
RAAF Darwin	NT - Solomon		155.3	-
RAAF Townsville	QLD - Herbert		1.1	5.3
RAAF Pearce	WA - Pearce		100.9	-
HMAS <i>Stirling</i>	WA - Brand		4.6	-
Total		896.9	764.2	27.3
USFPI Northern Territory Training Areas and Ranges Upgrades ^[a]				
Bradshaw Field Training Area	NT - Lingiari		97.5	106.7
Kangaroo Flats Training Area	NT - Lingiari		37.2	59.6
Mount Bunday Training Area	NT - Lingiari		8.0	37.6
Robertson Barracks Close Training Area	NT - Lingiari		54.5	59.4
Total		747.0	197.2	263.3
Larrakeyah Defence Precinct Redevelopment Program				
Larrakeyah Defence Precinct	NT - Solomon	601.7	434.9	77.0
Cocos (Keeling) Islands Airfield Upgrade				
Cocos (Keeling) Islands	NT - Lingiari	567.6	3.8	159.0
HMAS <i>Cerberus</i> Redevelopment				
HMAS <i>Cerberus</i>	VIC - Flinders	465.6	458.0	2.6
HMAS <i>Watson</i> Redevelopment				
HMAS <i>Watson</i>	NSW - Wentworth	430.5	185.8	55.7
Airfield Capital Works P0010 (Amberley, Pearce, Richmond and Albatross) ^[a]				
HMAS <i>Albatross</i>	NSW - Gilmore		7.5	70.0
RAAF Richmond	NSW - Macquarie		-	-
RAAF Amberley	QLD - Blair		15.2	80.0
RAAF Pearce	WA - Pearce		15.2	98.1
Total		427.9	37.9	248.1

Table 56: Approved Major and Medium Enterprise Estate and Infrastructure Program Projects by State and Federal Electorate (Continued)

	State and Federal Electorate	Total Estimated Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	2023-24 Budget Estimate \$m
Facilities to Support AIR7000 Phase 1B Remotely Piloted Aircraft System^[a]				
RAAF Tindal	NT - Lingiari		11.5	117.8
Edinburgh Defence Precinct	SA - Spence		4.5	45.0
Total		427.2	16.0	162.8
Robertson Barracks Base Improvements Project				
Robertson Barracks	NT - Lingiari	389.1	7.7	100.1
AIR 555 Phase 1 Airborne Intelligence Surveillance Reconnaissance Electronic Warfare Capability Facilities Works^{[a] [b] [d]}				
Territory of Cocos (Keeling) Islands	NT - Lingiari		5.8	8.7
RAAF Darwin	NT - Solomon		0.7	0.0
RAAF Townsville	QLD - Herbert		3.4	7.2
RAAF Edinburgh	SA - Spence		166.6	76.9
Total		293.7	176.5	92.8
Garden Island (East) Critical Infrastructure Recovery Program (CIRP) Stage 2				
Garden Island Defence Precinct	NSW - Sydney	286.5	268.1	12.3
Facilities to Support LAND 19 Phase 7B Short Range Ground Based Air Defence^[b]				
RAAF Edinburgh	SA - Spence	266.1	31.5	116.2
Joint Health Command Garrison Facilities Upgrades^[a]				
Simpson Barracks	VIC - Jagajaga		19.7	-
Puckapunyal Training Area	VIC - Nicholls		18.9	-
Albury-Wodonga Military Area	VIC - Indi		17.3	-
Royal Military College Canberra	ACT - Canberra		49.1	-
Russell Offices	ACT - Canberra		-	-
Holsworthy Barracks	NSW - Hughes		8.0	-
Robertson Barracks	NT - Lingiari		5.1	-
Larrakeyah Barracks	NT - Solomon		16.3	-
Army Aviation Centre Oakey	QLD - Groom		18.4	-
Gallipoli Barracks	QLD - Ryan		11.0	-
Campbell Barracks	WA - Curtin		17.2	-
RAAF Townsville	QLD - Herbert		15.3	-
RAAF Pearce	WA - Pearce		5.7	-
RAAF Darwin	NT - Solomon		15.1	3.0
Total		251.8	217.1	3.0
Armoured Fighting Vehicles Facilities Program Stage 1^{[a] [b]}				
Lavarack Barracks	QLD - Herbert		33.6	-
Edinburgh Defence Precinct	SA - Spence		51.6	10.0
Puckapunyal Military Area	VIC - Nicholls		98.8	4.8
Total		248.5	184.0	14.8
Navy Capability Infrastructure Sub-program: Maritime Operational Support Capability Facilities (SEA 1654 Phase 3)^[a]				
HMAS <i>Stirling</i>	WA - Brand		139.1	27.3
Randwick Barracks	NSW - Kingsford Smith		26.4	-
Garden Island Defence Precinct	NSW - Sydney		-	-
Total		208.5	165.5	27.3

Table 56: Approved Major and Medium Enterprise Estate and Infrastructure Program Projects by State and Federal Electorate (Continued)

	State and Federal Electorate	Total Estimated Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	2023-24 Budget Estimate \$m
Land 121 Phase 5B Facilities Project ^[a] ^[b] ^[d]				
Lavarack Barracks	QLD - Herbert		7.0	-
Robertson Barracks	NT - Lingiari		-	-
Gallipoli Barracks	QLD - Ryan		83.6	16.3
Derwent Barracks	TAS - Clark		16.5	0.0
Puckapunyal Military Area	VIC - Nicholls		9.0	-
Campbell Barracks	WA - Curtin		30.5	4.8
Porton Barracks	QLD - Kennedy		0.1	-
Total		183.3	146.7	21.1
Airfield Capital Works P0008 (RAAF Williamtown)				
RAAF Williamtown	NSW - Paterson	181.3	155.7	9.3
DEF101 Data Centre Upgrade				
HMAS <i>Harman</i>	ACT - Bean	131.5	111.2	8.3
HMAS <i>Harman</i> Redevelopment				
HMAS <i>Harman</i>	ACT - Bean	116.4	33.2	67.9
Airfield Capital Works P0006 (Curtin, Tindal and Townsville) ^[a]				
RAAF Townsville	QLD - Herbert		0.9	13.0
RAAF Curtin	WA - Durack		15.2	-
RAAF Tindal	NT - Lingiari		47.5	-
Total		95.3	63.6	13.0
Cultana Training Area Redevelopment Phase 2				
Cultana Training Area	SA - Grey	79.8	2.4	72.9
North Queensland Mid-Term Refresh Program: RAAF Townsville Mid-Term Refresh Project				
RAAF Townsville	QLD - Herbert	72.8	5.7	27.3
AIR 2025 Phase 6 Jindalee Operational Radar Networks (JORN) Facilities Project ^[a]				
Alice Springs	NT - Lingiari		52.3	-
Murray Bridge Training Area	SA - Barker		1.0	-
RAAF Learmonth	WA - Durack		3.4	-
Kojarena	WA - Durack		1.2	0.1
Total		61.9	57.9	0.1
Facilities to Support SEA 2273 Fleet Information Environment Modernisation Project ^[a]				
HMAS <i>Kuttabul</i>	NSW - Sydney		0.9	2.4
HMAS <i>Cerberus</i>	VIC - Flinders		0.4	-
HMAS <i>Stirling</i>	WA - Brand		10.7	9.0
HMAS <i>Coonawarra</i>	NT - Solomon		1.2	0.9
HMAS <i>Cairns</i>	QLD - Leichardt		0.3	-
Total		58.6	13.5	12.3
Anglesea Paterson Project ^[a]				
Anglesea Barracks	TAS - Clark		10.3	9.9
North Launceston	TAS - Bass		4.7	9.1
Youngtown Depot	TAS - Bass		0.3	14.3
Total		57.4	15.3	33.3
Facilities to Support LAND 129 Phase 3 Tactical Unmanned Aerial Vehicles				
Gallipoli Barracks	QLD - Ryan	51.7	4.8	30.1

Table 56: Approved Major and Medium Enterprise Estate and Infrastructure Program Projects by State and Federal Electorate (Continued)

	State and Federal Electorate	Total Estimated Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	2023-24 Budget Estimate \$m
LAND 4502 Phase 1 Additional CH-47F Chinook Facilities				
RAAF Townsville	QLD - Herbert	49.9	41.5	4.3
Puckapunyal Mid-Term Refresh				
Puckapunyal Military Area	VIC - Nicholls	45.8	41.5	0.1
RAAF Base Amberley Sewage Treatment Plant				
RAAF Amberley	QLD - Blair	41.7	11.3	13.2
Puckapunyal Health and Wellbeing Centre ^[d]				
Puckapunyal Military Area	VIC - Nicholls	39.8	34.9	0.0
Facilities to Support LAND3025 Phase 2 Deployable Special Operations Engineer Regiment				
Holsworthy Barracks	NSW - Hughes	30.7	4.6	20.2
HMAS Creswell Mid-Term Refresh				
HMAS Creswell	ACT - Fenner	30.7	0.5	6.7
HMAS Waterhen Mid-Term Refresh				
HMAS Waterhen	NSW – North Sydney	23.4	17.9	1.0
LAND 2110 Phase 1B - Chemical, Biological, Radiological and Nuclear Defence Facilities ^[a]				
HMAS Stirling	WA - Brand		1.1	-
Bindoon Training Area	WA - Pearce		0.8	-
Robertson Barracks	NT - Lingiari		0.9	-
RAAF Edinburgh	SA - Spence		0.9	-
Lavarack Barracks	QLD - Herbert		0.9	-
Gallipoli Barracks	QLD - Ryan		0.9	-
RAAF Amberley	QLD - Blair		0.8	-
Holsworthy Barracks	NSW - Hughes		0.9	-
Kapooka Military Area	NSW - Riverina		1.3	-
RAAF Wagga	NSW - Riverina		1.0	-
HMAS Creswell	ACT - Fenner		1.0	-
Majura Range	ACT - Canberra		0.8	-
HMAS Cerberus	VIC - Flinders		0.8	-
Dutson Air Weapons Range	VIC - Gippsland		0.8	0.1
Total		23.1	12.9	0.1
North Queensland Mid-Term Refresh Program: Townsville Field Training Area Mid-Term Refresh Project				
Townsville Field Training Area	QLD - Kennedy	22.8	5.3	16.4
Space Domain Awareness Project Mirror Recoating Facility ^[d]				
Harold E Holt	WA - Durack	17.6	11.5	0.0
Facilities for A Company 41st Royal New South Wales Regiment Tweed Heads Region				
Tweed Heads	NSW - Richmond	17.4	1.7	12.4
North Queensland Mid-Term Refresh Program: HMAS Cairns Mid-Term Refresh Project				
HMAS Cairns	QLD - Leichardt	15.6	3.4	10.8
Military Working Dogs Kennel Facility Upgrade				
RAAF Tindal	NT - Lingiari	6.8	1.0	5.5

Table 56: Approved Major and Medium Enterprise Estate and Infrastructure Program Projects by State and Federal Electorate (Continued)

	State and Federal Electorate	Total Estimated Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	2023-24 Budget Estimate \$m
2nd Combat Engineer Regiment Compensatory Hardstand Project ^[d]				
Gallipoli Barracks	QLD - Ryan	6.5	6.0	0.0
Projects in or about to enter Defects Liability Period ^[c]				9.1
Total ^{[d] [e]}		12,862.4	6,630.8	2,426.3

Notes

- The project crosses state and electorate boundaries. Estimated Cumulative Expenditure to 30 June 2023 and 2023-24 Budget Estimate figures are provided in the table per location.
- The project is referenced in Table 54: Top 30 Military Equipment Acquisition Program Approved Projects by 2023-24 Forecast Expenditure (Gross Plan) of Appendix B.
- This amount represents the expenditure estimates for contract administration of 21 completed projects during their first year in-use.
- The sum of the individual figures may differ to the totals due to rounding. Budget estimates shown as 0.0 are amounts greater than \$0 but less than \$50,000.
- Previously reported projects may not be shown in this table due to the medium works lower limit threshold increasing from \$2 million to \$5 million effective 1 January 2023.

Explanation of Projects

Australian Capital Territory

DEF101 Data Centre Upgrade

This project is providing infrastructure to support and ensure ongoing communications capability at HMAS *Harman*, ACT through the expansion and fit-out of existing facilities. The majority of the works are complete with the exception of a minor engineering services component. This project is scheduled for completion in early-2024.

HMAS *Harman* Redevelopment

This project will deliver fit-for-purpose facilities and infrastructure at HMAS *Harman*, ACT, including upgrading, replacing and providing new engineering services, command facility, entry precinct, office accommodation, and living-in accommodation. This project is scheduled to commence construction in late-2023 for completion in early-2025.

HMAS *Creswell* Mid-Term Refresh

This project will refurbish existing facilities and infrastructure at HMAS *Creswell*, Jervis Bay ACT, including engineering services, car parking, and the entry precinct. This project is scheduled to commence construction in mid-2023 for completion in late-2024.

New South Wales

HMAS *Watson* Redevelopment

This project is addressing functionality deficiencies, capacity constraints, and non-compliances with facilities and infrastructure at HMAS *Watson*, Sydney NSW. This project is scheduled for completion in early-2027.

Garden Island (East) Critical Infrastructure Recovery Program Stage 2

This project is providing upgraded wharves and engineering services to address condition, capacity and compliance issues at the Garden Island Defence Precinct, Sydney NSW. This project is scheduled for completion in late-2023.

Airfield Capital Works P0008 (RAAF Base Williamtown)

This project is maintaining aircraft pavements, aeronautical ground lighting and airfield drainage, and delivering associated airfield upgrade works, at RAAF Base Williamtown, NSW. This project is scheduled for completion in early-2024.

Facilities to Support LAND3025 Phase 2 Deployable Special Operations Engineer Regiment

This project will deliver fit-for-purpose facilities and infrastructure to support deployable special operations engineer capability at Holsworthy Barracks, NSW, including new storage, training and laboratory facilities as well as refurbishment of an existing office. This project is scheduled for completion in late-2024.

HMAS *Waterhen* Mid-Term Refresh

This project is addressing condition, capacity and compliance issues with existing facilities and infrastructure at HMAS *Waterhen*, NSW, including shore power, mechanical services, working accommodation, security and access. This project is scheduled for completion in mid-2023.

Facilities for A Company 41st Royal New South Wales Regiment Tweed Heads Region

This project is providing administration, common user, training, storage, and hardstand facilities as well as minor refurbishment works to alleviate existing functionality and capacity issues at Tweed Heads, NSW. This project is scheduled for completion in mid-2024.

Northern Territory**RAAF Base Tindal Redevelopment Stage 6 and United States Force Posture Initiative (USFPI) Airfield Works and Associated Infrastructure**

This program is delivering a range of enhanced facilities and infrastructure, including airfield improvements, at RAAF Base Tindal, NT. Government approved a Real Cost Increase in September 2022 due to construction industry pressures associated with material and labour costs. This program of works is scheduled for completion in late-2027.

USFPI Northern Territory Training Areas and Ranges Upgrades

This project is providing upgraded range facilities and associated infrastructure at the Bradshaw Field, Kangaroo Flats, Mount Bunday and Robertson Barracks Close training areas in the NT. This includes range control, training camp accommodation, small arms, ranges, roads, and supporting facilities and infrastructure. This project is scheduled for completion in mid-2026.

Larrakeyah Defence Precinct Redevelopment Program

This program is upgrading critical base infrastructure, improving the working environment, delivering new facilities, and supporting future growth on the Larrakeyah Defence Precinct, NT. This program is also delivering a new wharf, fuel storage and refueling capabilities to support Navy's major surface combatant ships operating in the north of Australia. This program of works is scheduled for completion in late-2023.

Cocos (Keeling) Islands Airfield Upgrade

This project will upgrade the airfield and construct supporting infrastructure at Cocos (Keeling) Islands, including the runway, taxiway, and airfield lighting. This project is scheduled to commence construction in mid-2023 and completed in mid-2026.

Robertson Barracks Base Improvements Project

This project will upgrade engineering services (such as potable water, electrical and fire water), provide additional living-in accommodation, and provide a new combined mess at Robertson Barracks, NT. This project is scheduled to commence construction in mid-2023 for completion in early-2026.

Military Working Dogs Kennel Facility Upgrade

This project is upgrading military working dogs kennel facilities at RAAF Base Tindal, NT. This project is scheduled to commence construction in mid-2023 for completion in early-2024.

Queensland

North Queensland Mid-Term Refresh Program

RAAF Townsville Mid-Term Refresh Project

This project will upgrade engineering services including potable water and power, refurbish working accommodation, and provide additional transit living-in accommodation at RAAF Base Townsville, QLD. This project is scheduled to commence construction in mid-2023 for completion in early-2025.

Townsville Field Training Area Mid-Term Refresh Project

This project will upgrade engineering services including power, sewerage, stormwater and information and communications technology, and construct a new entry point at the Townsville Field Training Area, QLD. This project is scheduled to commence construction in mid-2023 for completion in mid-2024.

HMAS *Cairns* Mid-Term Refresh Project

This project will upgrade engineering services including firefighting systems, potable water, sewerage and stormwater, and deliver minor building refurbishment works at HMAS *Cairns*, QLD. This project is scheduled to commence construction in mid-2023 for completion in late-2024.

Facilities to Support LAND 129 Phase 3 Tactical Unmanned Aerial Vehicles

This project is providing fit-for-purpose facilities and infrastructure to support replacement Tactical Unmanned Aerial Vehicle capability at Gallipoli Barracks, QLD, including working accommodation, training, storage, and hardstand facilities as well as electrical and communications upgrades. This project is scheduled for completion in mid-2024.

LAND 4502 Phase 1 Additional CH-47F Chinook Facilities

This project is providing new facilities to support the introduction and sustainment of new CH-47F Chinook Medium Lift Helicopters at RAAF Base Townsville, QLD. This project is scheduled for completion in early-2024.

RAAF Base Amberley Sewage Treatment Plant

This project is providing a new sewage treatment plant and associated infrastructure and facilities including administration and storage at RAAF Base Amberley, QLD. This project is scheduled for completion in mid-2024.

2nd Combat Engineer Regiment Compensatory Hardstand Project

This project is providing an appropriate hardstand area for the 2nd Combat Engineer Regiment at Gallipoli Barracks, QLD. This project is scheduled for completion in late-2023.

South Australia

Facilities to Support LAND 19 Phase 7B Short Range Ground Based Air Defence

This project is providing new working accommodation, operational support, storage, training, and living-in accommodation facilities to support new air defence capability at RAAF Base Edinburgh, SA. This project is scheduled for completion in late-2024.

Cultana Training Area Redevelopment Phase 2

This project will provide new facilities and infrastructure to develop the expanded training area into a training range at the Cultana Training Area, SA. This project is scheduled to commence construction in early-2024 for completion in mid-2025.

Tasmania

Anglesea Paterson Project

This project will upgrade engineering services and refurbish buildings at Anglesea Barracks and Youngtown Depot, TAS, and construct new facilities in North Launceston, TAS. This project is scheduled to commence construction in mid-2023 for completion in mid-2024.

Victoria

HMAS *Cerberus* Redevelopment

This project is upgrading engineering services, refurbishing living-in accommodation, constructing a new logistics precinct, upgrading the gym, refurbishing training facilities and galley, and demolishing redundant buildings at HMAS *Cerberus*, VIC. This project is scheduled for completion in mid-2023.

Puckapunyal Mid-Term Refresh

This project is addressing condition, capacity and compliance issues with existing infrastructure at the Puckapunyal Military Area, VIC including remediating and upgrading engineering services and constructing a new storage facility. This project is scheduled for completion in mid-2023.

Puckapunyal Health and Wellbeing Centre

This project is providing a new fit-for-purpose health and wellbeing centre at the Puckapunyal, Military Area, VIC. This project is scheduled for completion in mid-2023.

Western Australia

Space Domain Awareness Project Mirror Recoating Facility

This project is constructing a Mirror Recoating Facility to recoat Space Surveillance Telescope mirrors at Harold E Holt, WA. This project is scheduled for completion in mid-2023.

Various Locations

Enhanced Land Force (ELF) Stage 2

This project provided purpose-built facilities and supporting infrastructure to support ELF capabilities. This included the construction of new and refurbished accommodation, common use, and training facilities, and upgraded site infrastructure. The works are complete with the exception of an underpass at the Cultana Training Area, SA, which is scheduled for completion in late-2024.

Navy Capability Infrastructure Sub-program

This program of works is providing new and upgraded facilities and infrastructure around Australia to support the introduction into service and sustainment of new frigates, offshore patrol vessels and replenishment ships:

Offshore Patrol Vessel (OPV) Facilities (SEA 1180 Phase 1)

This project is providing berthing, training, maintenance, logistics, and support facilities to support the introduction into service of the Arafura class OPVs at HMAS *Coonawarra* and RAAF Base Darwin in the NT, HMAS *Cairns* in QLD and HMAS *Stirling* and Henderson Maritime Precinct in WA. This project is scheduled for completion in late-2026.

Hunter Class Frigate Facilities (SEA 5000 Phase 1)

This project is providing upgraded facilities and infrastructure to support the introduction of the new Hunter class frigates to replace the current Anzac class frigates at HMAS *Watson* and the Garden Island Defence Precinct in NSW, St Kilda and Osborne Naval Shipyards in SA, and HMAS *Stirling* and Henderson Maritime Precinct in WA. This project is scheduled for completion in mid-2027.

Maritime Operational Support Capability Facilities (SEA 1654 Phase 3)

This project is providing new and upgraded facilities and infrastructure to support the introduction of Supply class replenishment ships at HMAS *Stirling* WA, and Randwick Barracks and the Garden Island Defence Precinct in NSW. This project is scheduled for completion in early-2024.

Maritime Patrol Aircraft Replacement (AIR 7000 Phase 2B)

This project is providing new and upgraded facilities and infrastructure to support the introduction of P-8A aircraft at RAAF Base Edinburgh in SA, RAAF Base Townsville in QLD, RAAF Base Pearce in WA, RAAF Base Darwin in NT and HMAS *Stirling* in WA. The works are progressively scheduled for completion at each base up to early-2026.

Airfield Capital Works P0010 (Amberley, Pearce, Richmond and *Albatross*)

This project is maintaining aircraft pavements, aeronautical ground lighting, and drainage at HMAS *Albatross* and RAAF Base Richmond in NSW, RAAF Base Amberley in QLD and RAAF Base Pearce in WA. The works are scheduled for completion in early-2025.

Facilities to Support AIR7000 Phase 1B Remotely Piloted Aircraft System

This project is providing facilities and infrastructure to support the introduction into service of the MQ-4C Triton aircraft system at RAAF Base Tindal, NT and the Edinburgh Defence Precinct, SA. The works include a control centre, training facilities, squadron headquarters, hangars, airfield pavements, aircraft wash point, and site-wide engineering services. The works are scheduled for completion in late-2025.

AIR 555 Phase 1 Airborne Intelligence Surveillance Reconnaissance Electronic Warfare Capability Facilities Works

This project is providing facilities and infrastructure to support the introduction into service of MC-55A Peregrine Airborne Intelligence Surveillance Reconnaissance Electronic Warfare capability at RAAF Base Darwin, NT, RAAF Base Townsville QLD, RAAF Base Edinburgh SA and Cocos (Keeling) Islands, NT. This project is scheduled for completion in mid-2024.

Joint Health Command Garrison Facilities Upgrades

This project is providing contemporary Garrison Health Facilities at 14 bases around Australia. The majority of the works are complete except for those at RAAF Base Darwin, NT, which are scheduled for completion in mid-2024.

Armoured Fighting Vehicles Facilities Program Stage 1

Stage 1 of this program is providing facilities and infrastructure to support, sustain, and train Army personnel on the next generation armoured fighting vehicles at Lavarack Barracks, QLD, Edinburgh Defence Precinct, SA and the Puckapunyal Military Area, VIC. Stage 1 is scheduled for completion in late-2023.

LAND 121 Phase 5B Facilities Project

This project is providing facilities and infrastructure to support and sustain vehicles, modules and trailers at seven bases around Australia. This project is scheduled for completion in early-2024.

Airfield Capital Works P0006 (Curtin, Tindal and Townsville)

This project is maintaining aircraft pavements and airfield lighting at RAAF Base Curtin, WA, RAAF Base Tindal, NT and RAAF Base Townsville, QLD. The works at Curtin and Tindal are complete while the works at Townsville have been reprogrammed to align with similar works being delivered under a related project to minimise disruptions to airfield operations, and are scheduled for completion in early-2026.

AIR 2025 Phase 6 Jindalee Operational Radar Networks (JORN) Facilities Project

This project is providing new facilities and infrastructure to support the mid-life upgrade of the JORN capability at Mount Everard and Harts Range near Alice Springs, NT, Murray Bridge Training Area, SA and RAAF Learmonth and Kojarena in WA. This project is scheduled for completion in mid-2023.

Facilities to Support SEA 2273 Fleet Information Environment Modernisation Project

This project is providing an upgraded information system that supports maritime and naval operations at HMAS *Kuttabul*, NSW, HMAS *Cerberus*, VIC, HMAS *Stirling*, WA, HMAS *Coonawarra* NT and HMAS *Cairns*, QLD. This project is scheduled for completion in early-2024.

LAND 2110 Phase 1B Chemical, Biological, Radiological and Nuclear Defence Facilities

This project is providing new and refurbished facilities, including training and storage facilities, at 14 bases around Australia. This project is scheduled for completion in late-2023.

Appendix E: Status of Projects Foreshadowed for Government and Parliamentary Standing Committee on Public Works Consideration in 2023-24

Program of Works Foreshadowed for Consideration and Approval

During 2023-24, Defence expects to present a number of Enterprise Estate and Infrastructure Program (EEIP) capital facilities and infrastructure project proposals to the Parliamentary Standing Committee on Public Works (PWC). The following tables detail the proposed major capital facilities and infrastructure projects expected to be referred to the PWC, and medium capital facilities and infrastructure projects expected to be notified to the PWC, in 2023-24.

Table 57: Major Capital Facilities Projects Foreshadowed for PWC Consideration and Approval in 2023-24

Project Description	State/Electorate	Actual/Indicative PWC Referral Date ^[a]	Actual/Indicative PWC Hearing Date ^{[a] [b]}	Parliamentary Approval Date ^[a]
Facilities to Support Enhanced Communications Systems	Various locations	Mid-2023	Mid-2023	Mid-2023
Explosive Ordnance Facilities Northern New South Wales Redevelopment	NSW - Lindsay & Hunter	Mid-2023	Mid-2023	Late-2023
Edinburgh Defence Precinct Mid-Term Refresh	SA - Spence	Mid-2023	Mid-2023	Late-2023
Fishermans Bend Redevelopment	VIC - McNamara	Mid-2023	Mid-2023	Late-2023
Armoured Fighting Vehicle Facilities Program Stage 2	Various locations	Mid-2023	Late-2023	Late-2023
Defence Fuels Transformation Program Tranche 2 Facilities Project	Various locations	Mid-2023	Late-2023	Late-2023
Facilities to Support AIR5077 Phase 6 Wedgetail Airborne Early Warning and Control	Various locations	Late-2023	Late-2023	Early-2024
Royal Military College Duntroon Redevelopment	ACT - Canberra	Late-2023	Late-2023	Early-2024
Facilities to Support AIR5349 Phase 6 Advanced Growler	Various locations	Late-2023	Early-2024	Early-2024
KC-30 Multi Role Tanker Airfield Upgrades	WA - Durack	Late-2023	Early-2024	Early-2024
RAAF Darwin Mid-Term Refresh	NT - Solomon	Late-2023	Early-2024	Early-2024
Albury-Wodonga Military Area Redevelopment	Various locations	Late-2023	Early-2024	Mid-2024
RAAF Base Wagga Redevelopment	NSW - Riverina	Late-2023	Early-2024	Mid-2024
Blamey Barracks Redevelopment	NSW - Riverina	Late-2023	Early-2024	Mid-2024
General John Baker Complex Capability Assurance Project Tranche 2	NSW - Eden-Monaro	Early-2024	Early-2024	Early-2024

Table 57: Major Capital Facilities Projects Foreshadowed for PWC Consideration and Approval in 2023-24 (Continued)

Project Description	State/Electorate	Actual/Indicative PWC Referral Date ^[a]	Actual/Indicative PWC Hearing Date ^{[a] [b]}	Parliamentary Approval Date ^[a]
Guided Weapons Explosive Ordnance Storage Program Tranche 2	Various locations	Early-2024	Early-2024	Mid-2024
Facilities to Support SEA9100 Phase 1 Improved Embarked Logistics Support Helicopter	Various locations	Early-2024	Early-2024	Mid-2024
Facilities to Support LAND4507 Phase 1 Multi Role Helicopter Rapid Replacement Program	NSW - Hughes	Early-2024	Mid-2024	Mid-2024
Army Aviation Omnibus Program of Works	Various locations	Early-2024	Mid-2024	Mid-2024
Facilities to Support AIR3503 Phase 1 Distributed Ground Station	SA - Spence	Mid-2024	Mid- 2024	Mid-2024

Notes

- a. Actual dates are shown in full. Forecast dates are shown as “Early”, “Mid”, “Late”.
- b. Hearing dates are subject to the PWC’s consideration and agreement.

Table 58: Medium Capital Facilities Projects Foreshadowed for Consideration and Approval in 2023-24

Project Description ^[a]	State/Electorate	Actual/Indicative PWC Notification Date ^[b]	Indicative PWC Approval Date ^[c]
Facilities to Support JP8190 Deployable Bulk Fuel Distribution	Various locations	Mid-2023	Mid-2023
Relocation of Units from Elizabeth North Training Depot	SA - Spence	Mid-2023	Mid-2023
Facilities to Support LAND154 Phase 4 Tranche 2 Joint Counter Improvised Explosive Device	Various locations	Late-2023	Late-2023
RAAF Base Richmond Sewage Treatment Plant	NSW - Macquarie	Late-2023	Late-2023
Facilities to Support LAND8180 Phase 1 Aviation and Field Fire Truck Capability	Various locations	Late-2023	Early-2024
Facilities to Support LAND4130 Phase 1 National Information Environment	Various locations	Early-2024	Early-2024
Facilities to Support LAND8113 Phase 1 Long Range Fires	Various locations	Early-2024	Early-2024
RAAF Base Darwin Secure Multi User Facility	NT - Solomon	Early-2024	Early-2024
Facilities to Support DEF2063 Phase 1 Geospatial Facilities	VIC - Bendigo	Early-2024	Mid-2024

Notes

- Previously reported projects may not be shown in this table due to medium works lower limit threshold increasing to \$5 million from 1 January 2023.
- Actual dates are shown in full. Forecast dates are shown as "Early", "Mid", "Late".
- Indicative PWC approval dates are subject to the PWC's consideration.

Explanation of Projects

Project Narratives by State and Various Locations

Australian Capital Territory

Royal Military College Duntroon Redevelopment

This major project proposes to provide living-in accommodation, upgrade engineering services, demolish an existing building, and address building compliance issues at the Royal Military College Duntroon, ACT. Subject to Government and parliamentary approval, construction is planned to commence in mid-2024 for completion in late-2026.

New South Wales

Explosive Ordnance Facilities Northern New South Wales Redevelopment

This major project proposes to remediate existing facilities, and provide new facilities and infrastructure, to support training, storage and maintenance activities at Defence Establishment Orchard Hills and Myambat Explosive Ordnance Depot, NSW. Subject to Government and parliamentary approval, construction is planned to commence in late-2023 for completion in mid-2026.

RAAF Base Wagga Redevelopment

This major project proposes to address condition, capacity and compliance issues at RAAF Base Wagga, NSW, including upgrading engineering services, constructing new facilities and infrastructure, and demolishing aged facilities. Subject to Government and parliamentary approval, construction is planned to commence in mid-2024 for completion in late-2030.

Blamey Barracks Redevelopment

This major project proposes to address condition, capacity and compliance issues at Blamey Barracks, NSW, including upgrading engineering services, constructing new facilities and infrastructure, and demolishing aged facilities. Subject to Government and parliamentary approval, construction is planned to commence in mid-2024 for completion in late-2030.

General John Baker Complex Capability Assurance Project Tranche 2

This major project proposes to deliver new and updated facilities at Headquarters Joint Operations Command, Bungendore NSW. Subject to Government and parliamentary approval, construction is planned to commence in late-2024 for completion in late-2026.

Facilities to Support LAND4507 Phase 1 Multi Role Helicopter Rapid Replacement Program

This major project proposes to deliver facilities in support of the associated capability at Holsworthy Barracks, NSW. Subject to parliamentary approval, construction is planned to commence in early-2025 for completion in early-2027.

RAAF Base Richmond Sewage Treatment Plant

This medium project proposes to deliver a new Sewage Treatment Plant at RAAF Base Richmond, NSW. Subject to Public Works Committee agreement, construction is planned to commence in late-2023 for completion in late-2025.

Northern Territory**RAAF Base Darwin Mid-Term Refresh**

This major project proposes to address condition, capacity and compliance issues at RAAF Base Darwin, NT, including upgrading engineering services. Subject to Government and parliamentary approval, construction is planned to commence in late-2024 for completion in early-2027.

RAAF Base Darwin Secure Multi User Facility

This medium project proposes to provide a multi user facility at RAAF Base Darwin, NT, including working accommodation and planning rooms. Subject to Government and Public Works Committee agreement, construction is planned to commence in late-2024 for completion in early-2027.

South Australia**Edinburgh Defence Precinct Mid-Term Refresh**

This major project proposes to remediate and upgrade base infrastructure to support Defence requirements and capabilities at the Edinburgh Defence Precinct, SA. Subject to Government and parliamentary approvals, construction is planned to commence in late-2023 for completion in late-2026.

Facilities to Support AIR3503 Phase 1 Distributed Ground Station

This major project proposes to deliver facilities in support of the associated capability at RAAF Base Edinburgh, SA. Subject to Government and parliamentary approval, construction is planned to commence in mid-2025 for completion in early-2028.

Relocation of Units from Elizabeth North Training Depot

This medium project proposes to provide new facilities to allow the relocation of units to the Edinburgh Defence Precinct, SA. Subject to Government approval and Public Works Committee agreement, construction is planned to commence in late-2023 for completion in early-2025.

Victoria**Fishermans Bend Redevelopment**

This major project proposes to address condition, capacity and compliance issues at Fishermans Bend, VIC, including upgrading engineering services, refurbishing existing facilities and providing new working accommodation. Subject to Government and parliamentary approval, construction is planned to commence in early-2024 for completion in late-2026.

Facilities to Support DEF2063 Phase 1 Geospatial Facilities

This medium project proposes to provide a new facility to support the associated capability at the Australian Geospatial Organisation, VIC. Subject to Government and Public Works Committee agreement, construction is scheduled to commence in late-2024 for completion in early-2026.

Western Australia

KC-30 Multi Role Tanker Airfield Upgrades

This major project proposes to improve the airfield at RAAF Base Learmonth, WA. Subject to Government and parliamentary approval, construction is scheduled to commence in mid-2024 for completion in late-2027.

Various Locations

Facilities to Support Enhanced Communications Systems

This major project proposes to provide facilities and infrastructure to support the implementation of enhanced communications systems at various bases. Subject to Government and parliamentary approval, construction is planned to commence in late-2023 for completion in early-2026.

Armoured Fighting Vehicle Facilities Program Stage 2

This major project proposes to provide sustainment and support facilities at various bases to support the associated capability. Subject to parliamentary approval, construction is planned to commence in early-2024 for completion in early-2026.

Defence Fuels Transformation Program Tranche 2 Facilities Project

This major project proposes to remediate and improve fuel supply infrastructure at various bases. Subject to parliamentary approval, construction is planned to commence in late-2024 for completion in mid-2028.

Facilities to Support AIR5077 Phase 6 Wedgetail Airborne Early Warning and Control

This major project proposes to deliver new and refurbished facilities at various bases in support of the associated capability. Subject to Government and parliamentary approval, construction is planned to commence in mid-2024 for completion in mid-2026.

Facilities to Support AIR5349 Phase 6 Advanced Growler

This major project proposes to provide new facilities and infrastructure in support of the associated capability at various bases. Subject to parliamentary approval, construction is planned to commence in early-2025 for completion in mid-2026.

Albury-Wodonga Military Area Redevelopment

This major project proposes to address condition, capacity and compliance issues at the Albury-Wodonga Military Area in NSW and VIC, including upgrading engineering services, constructing new facilities and infrastructure, and demolishing aged facilities. Subject to Government and parliamentary approval, construction is planned to commence in mid-2024 for completion in late-2030.

Guided Weapons Explosive Ordnance Storage Program Tranche 2

This major project proposes to provide storage facilities and infrastructure at various bases. Subject to Government and parliamentary approval, construction is planned to commence in mid-2024 for completion in late-2026.

Facilities to Support SEA9100 Phase 1 Improved Embarked Logistics Support Helicopter

This major project proposes to provide facilities in support of the associated capability at various bases. Subject to Government and parliamentary approvals, construction is planned to commence in early-2025 for completion in late-2026.

Army Aviation Omnibus Program of Works

This major program proposes to provide facilities and infrastructure to support associated capabilities at various sites. Subject to Government and parliamentary approval, construction is planned to commence in mid-2025 for completion in late-2028.

Facilities to Support JP8190 Deployable Bulk Fuel Distribution

This medium project proposes to provide new and refurbished facilities to support training, maintenance and storage of the associated capability at various bases. Subject to Government approval and Public Works Committee agreement, construction is planned to commence in late-2023 for completion in early-2025.

Facilities to Support LAND154 Phase 4 Tranche 2 Joint Counter Improvised Explosive Device

This medium project proposes to provide testing, storage and training facilities to support the associated capability at various bases. Subject to Government and parliamentary approval, construction is planned to commence in mid-2024 for completion in late-2025.

Facilities to Support LAND8180 Phase 1 Aviation and Field Fire Truck Capability

This medium project proposes to deliver training, testing, maintenance, and storage facilities to support the associated capability at various bases. Subject to Government approval and Public Works Committee agreement, construction is planned to commence in late-2024 for completion in late-2025.

Facilities to Support LAND4130 Phase 1 National Information Environment

This medium project proposes to provide facilities and infrastructure to support the associated capability at various bases. Subject to Government and Parliamentary Works Committee agreement, construction is scheduled to commence in late-2024 for completion in early-2026.

Facilities to Support LAND8113 Phase 1 Long Range Fires

This medium project proposes to provide facilities and infrastructure to support the associated capability at various bases. Subject to Public Works Committee agreement, construction is scheduled to commence in early-2025 for completion in mid-2026.

Appendix F: Top 5 Information and Communication Technology Approved Projects

The Information and Communication Technology (ICT) Program component of the Integrated Investment Program comprises approved and yet to be approved ICT projects. These projects support and sustain current and future capability requirements through the delivery of ICT to enable Command, Control, Communications, Computing, Intelligence, Surveillance, and Reconnaissance (C4ISR) and Defence's corporate functions.

Table 59: Top 5 ICT Approved Projects by 2023-24 Forecast Expenditure (Gross Plan) ^[a]

Project Name	Project Number/ Phase	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 5 ICT Project Descriptions
Defence Enterprise Resource Planning (ERP) Program	ICT 2283 Phase 1	1,642	591	172	ERP will modernise, integrate and transform Defence's processes to manage its HR, finance, logistics, supply, engineering and maintenance functions. During 2023-24, key activities include data conversion, testing, preparedness and business transformation to deliver ERP across Defence.
ADF - SATCOM	AIR 9102 Phase 2A	349	154	171	This project will support ADF satellite functionality to 2034 and beyond. During 2023-24 the project is focused on upgrading ground facilities and networks.
ADF Deployable Health Knowledge Management	JNT 2060 Phase 4	379	159	112	Health Knowledge Management (HKM) will replace the ADF's legacy electronic health record product (DeHS) with a modern, patient-centric health solution. The new HKM System will replace Defence's Electronic Health System in Garrison and on board, and will offer a new e-Health System for the deployed environments. This new HKM System will record, store, aggregate and allow analysis of de-identified health data and information for the ADF population, unifying multidisciplinary primary and occupational care with emergency and hospital care, to enable better clinical decision-making. HKM will provide a longitudinal health record that will span the individual's entire career and integrate into other whole-of-government systems, including the Department of Veterans' Affairs, ComSuper and My Health Record. Over 2023-24, the integrated project team will continue systems development with the Prime Systems Integrator, data migration preparedness and business transformation activities.

Table 59: Top 5 ICT Approved Projects by 2023-24 Forecast Expenditure (Gross Plan) (Continued)^[a]

Project Name	Project Number/ Phase	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2023 \$m	Budget Estimate 2023-24 \$m	Top 5 ICT Project Descriptions
Windows 10 Upgrade	ICT 2222 Phase 2	407	251	94	The project will provide a contemporary operating system by upgrading the Defence Secret Environment desktop operating system and supporting hardware in locations within Australia and overseas. During 2023-24, key activities include upgrading the operating system to Windows 10, replacement of desktop hardware, implementation of Multi-Factor Authentication and smart-card based secure printing.
Fleet Information Environment Modernisation	NAV 2273 Phase 1	563	285	90	The project will modernise Navy IT systems by replacing the current Fleet Information Environment with a contemporary design and update capability that will refresh the IT platform, hardware and software to improve operations and enhance cyber security. During 2023-24, key activities will include installation and commissioning of systems on major fleet units and at eastern Australian regional sites.
Total Top 5 ICT Projects (Gross Plan)		3,340	1,440	638	

Note

a. Approved Project Expenditure, Estimated Cumulative Expenditure to 30 June 2023 and Budget Estimate 2023-24 are on an accrual basis and funded by appropriation.

Appendix G: Australian Government Indigenous Expenditure

Table 60: Australian Government Indigenous Expenditure

		2022-23 Estimated Actual \$'000	2023-24 Budget Estimate \$'000
	Program		
Defence Indigenous Strategy	2.12	4,365	6,051
Army Aboriginal Community Assistance Program	2.6	5,370	16,450
Total Australian Government Indigenous Expenditure		9,735	22,501

Defence Indigenous Strategy

Defence remains committed to improving the socio-economic outcomes for Aboriginal and Torres Strait Islander peoples.

Following the conclusion of the *Defence Reconciliation Action Plan 2019-2022* in December 2022, a new First Nations Approach is being developed in consultation with Defence's Indigenous voices. This new approach will align with the *Commonwealth Closing the Gap Implementation Plan*, with a strong focus on the attraction and recruitment of First Nations people and empowering the Indigenous business sector to enhance Defence capability.

As an integrated workforce (APS and ADF) Defence is committed to the Commonwealth Government's Indigenous participation target of 3 per cent. As at 1 December 2022, the Defence integrated workforce surpassed this target with a First Nations participation rate of 3.1 per cent, an ADF participation rate of 3.5 per cent and an APS participation rate of 2.3 per cent.

Defence continues to exceed Government targets under the Indigenous Procurement Policy (IPP) and is the Commonwealth's largest procurer of goods and services. Defence has taken a leading role in supporting the IPP and the Indigenous business sector to enhance defence industry participation. As at March 2023, over \$7.5 billion of Commonwealth Government contracts have been awarded to Indigenous businesses since the IPP was introduced in 2015. Of this, Defence has awarded over \$3.9 billion in contract value to Indigenous businesses.

Defence Indigenous Programs

Defence offers a range of programs for Indigenous Australians interested in a career in the ADF or Defence APS workforce, and to support existing Indigenous members of Defence including:

- The ADF Indigenous Pathway Programs: the Navy and Army Indigenous Development Programs, Air Force Indigenous Recruitment Pathways and the Tri-Service Indigenous Pre-Recruit Program across Australia.
- Participation in a number of Indigenous APS programs that enable employment pathways into Defence through apprenticeships, traineeships and graduate recruitment including the Indigenous Apprenticeship Program and the Indigenous Australian Government Development Program.
- Defence manages the whole-of-government Indigenous Graduate Pathway Program that supports the *Commonwealth Aboriginal and Torres Strait Islander Workforce Strategy 2020-24*. The program is aimed at increasing Indigenous representation across Government agencies.

Army Aboriginal Community Assistance Program

The Army Aboriginal Community Assistance Program (AACAP) is a Commonwealth Government initiative between Defence (Army) and the National Indigenous Australians Agency. It aims to improve infrastructure, health, living and economic conditions within remote Indigenous communities. These aims support the *National Agreement on Closing the Gap* which brings Aboriginal and Torres Strait Islander peoples, governments and key stakeholders together, to address the inequality experienced by Aboriginal and Torres Strait Islander peoples. AACAP projects leverage the ability of Army to deliver a range of services in remote areas, providing infrastructure works, employability skills training, health promotion and community support in a holistic and highly effective manner. Army also benefits from the opportunities afforded by the conduct of AACAP projects to exercise various operational capabilities in a unique cultural and physical environment. AACAP 2022 in Gapuwiyak, NT was the 25th anniversary of AACAP. Future AACAP projects are scheduled to be delivered in Baniyala, NT in 2023, Amata, SA in 2024 and proposed for the Torres Strait, QLD in 2025.

Air Force Kummundoo Program (Health)

The Kummundoo initiative is a partnership between Air Force and the National Aboriginal Community Controlled Health Organisation, as the national peak body for Aboriginal and Torres Strait Islander health. Through this initiative Air Force contributes to enhancing primary health care outcomes in Aboriginal and Torres Strait Islander communities. It creates opportunities for Air Force personnel to deploy into unique environments to assist Aboriginal and Torres Strait Islander communities on mutually agreed projects.