

APPENDICES

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APPENDIX A: DEFENCE COOPERATION PROGRAM

No changes have been made to the Defence Cooperation Program since the *PBS 2017–18*.

APPENDIX B: INTEGRATED INVESTMENT PROGRAM

Table 65: Integrated Investment Program projects that have achieved First Pass approval since the publication of the *PBS 2017–18*

No First Pass approvals from the *PBS 2017–18* have been announced by Government since its publication.

Table 66: Integrated Investment Program projects that have achieved Second Pass approval and been announced by Government since the publication of *PBS 2017–18*

Project Number	Project Title
SEA 1397 Phase 5B	Nulka Missile Decoy Enhancements
SEA 1180 Phase 1	Offshore Patrol Vessel
LAND 200 Phase 2 ⁽¹⁾	Battlefield Command Systems (Tranche 2)

Note

1. Project was added to the 2017-18 work plan following publication of the 2017-18 PBS

Table 67: Integrated Investment Program projects that have achieved Other approvals and been announced by Government since publication of the *PBS 2017–18*.

Project Number	Project Title
INV 1 Phase 2016	Defence Single Innovation Fund
SEA 5000 Phase 1	Future Frigate (Combat Management System Selection)

APPENDIX C: TOP 30 ACQUISITION PROJECTS BY 2017–18 FORECAST EXPENDITURE

Table 68: Top 30 Projects by 2017–18 Forecast Expenditure^[1]

Domain/ Project Name	Project Number/ Phase	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2017 \$m	Budget Estimate 2017-18 \$m	Revised Estimate 2017-18 \$m	Variation \$m	Project Performance Update and Explanation of Variation
Air Domain							
New Air Combat Capability	AIR 6000 Phase 2A/B	15,386	1,600	1,148	1,113	-35	The acquisition of the project is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to the foreign currency exchange price basis adjustment down from <i>PBS 2017–18</i> .
Maritime Patrol and Response Aircraft System	AIR 7000 Phase 2	5,165	2,719	853	704	-148	Planned spares procurement will now be in future years. This does not impact on capability delivery. The project has sufficient spares supplies to sustain the current aircraft. The reprogrammed deliveries in future years are in-line with the future delivery of the aircraft. The budget variation is due to: 1) Reprogramming to future financial years of retail spares (\$75m) and engine spares (\$57m) procurements; 2) Reduction due to Training System Contingency Training no longer required (\$10m), with an increase to Training Systems (\$19m) due to a deferred payment from 2016-17; and 3) The foreign currency exchange price basis adjustment down from <i>PBS 2017-18</i> to <i>MYEFO 2017-18</i> (\$25m).
Future Naval Aviation Combat System (FNACS)	AIR 9000 Phase 8	3,419	1,963	294	242	-53	The acquisition of the project is as forecast in the Defence <i>PBS 2017–18</i> . The Seahawk Romeo capability is operated from HMAS <i>Albatross</i> in Nowra and is currently supporting six embarked flights on Navy ships and the capability will continue to grow to a mature state of eight embarked flights over the next two years. The variation is due to the refinement of additional spares purchases as well as revised facilities, ship integration and Foreign Military Sales programmed activities.

Table 68: Top 30 Projects by 2017–18 Forecast Expenditure (Continued)

Domain/ Project Name	Project Number/ Phase	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2017 \$m	Budget Estimate 2017-18 \$m	Revised Estimate 2017-18 \$m	Variation \$m	Project Performance Update and Explanation of Variation
Air Domain (Continued)							
Pilot Training System	AIR 5428 Phase 1	1,191	135	239	205	-34	The changes to forecast relate to deferral of delivery of two aircraft from May to June 2018, and an anticipated delay to completion of Hardware/Software Integration for Flight Training Device number 4 which is now expected July 2018. The budget variation is due to: 1) The timing of invoice payments in 2016-17 did not occur as planned; and 2) Delay in payments associated with integration of Flight Training Device number 4 (\$9m).
AEW&C Interoperability Compliance Upgrade	AIR 5077 Phase 5A	1,121	292	226	151	-75	The budget variation is due to: 1) Reprogramming budget to future financial years reflecting the expected aircraft delivery (\$38m). This was developed in conjunction with the Prime Contractor, Boeing Defence Australia; 2) The timing of invoice payments in 2016-17 did not occur as originally planned; and 3) The foreign currency exchange price basis adjustment down from PBS 2017-18 to MYEFO 2017-18 (\$4m).
Growler Airborne Electronic Attack Capability	AIR 5349 Phase 3	3,413	2,095	225	214	-12	The changes relate to minor delays in delivery of the Mission Threat Training Emitter System (MTTES) and other systems. The budget variation is due to: 1) Cost savings and minor delays against a range of FMS and non-FMS procurement requirements which has resulted in some reprogramming to future financial years (net \$4m); and 2) The foreign currency exchange price basis adjustment down from PBS 2017-18 to MYEFO 2017-18 (\$7m).
Additional Multi-Role Tanker Transport Aircraft	AIR 7403 Phase 3	874	447	132	150	18	The budget variation is due to: 1) Enhanced Prime contractor effort, the delivery of additional spares/ inventory, additional support equipment and project management activities to meet the capability and project mandates (\$10m); and 2) The foreign currency exchange price basis adjustment up from PBS 2017-18 to MYEFO 2017-18 (\$7m).

Table 68: Top 30 Projects by 2017–18 Forecast Expenditure (Continued)

Domain/ Project Name	Project Number/ Phase	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2017 \$m	Budget Estimate 2017-18 \$m	Revised Estimate 2017-18 \$m	Variation \$m	Project Performance Update and Explanation of Variation
Air Domain (Continued)							
Multi-Role Helicopter (MRH)	AIR 9000 Phase 2	3,756	3,009	119	102	-17	The acquisition of the project is not as forecast in the Defence <i>PBS 2017–18</i> . The variation (revised estimate figure) reflects the latest schedule of contract deliverables and a revised allocation of funding to address the key risks for the project associated with the stand up of 6th Aviation Regiment, the remediation of technical risks, role equipment and supportability issues.
Helicopter Aircrew Training System	AIR 9000 Phase 7	479	200	90	93	3	The acquisition of the project is as forecast in the Defence <i>PBS 2017–18</i> . All 15 aircraft and all synthetic training devices, including three flight simulators, have been delivered to Australia. AIR 9000 Phase 7 is on track to commence training in early 2018. The variation is due to early delivery of contract milestones brought forward from 2018-19 to 2017-18, partially offset by minor reductions in other Project requirements.
Battlefield Airlift - Caribou Replacement	AIR 8000 Phase 2	1,414	724	78	68	-9	The budget variation is due to: 1) Reprogramming of planned FMS payment and increase in Identification Friend or Foe (IFF) Mode IV requirement (\$5m); 2) Delay to future financial years for contract modifications for aircraft baseline changes for Missile Warning System and Link 16 (\$20m), and delayed delivery schedules for spares contracts (\$12m); and 3) The foreign currency exchange price basis adjustment up from <i>PBS 2017–18</i> to <i>MYEFO 2017–18</i> (\$1m).
Bridging Air Combat Capability	AIR 5349 Phase 1	3,349	2,811	40	3	-37	The budget variation is due to: 1) Delay in the establishment of a contract by the US government for a test base system with budget reprogrammed to future financial years to align with delivery (\$7m); and 2) Reprogramming budget to future financial years to align with when US government contracts are expected to be finalised (\$30m).

Table 68: Top 30 Projects by 2017–18 Forecast Expenditure (Continued)

Domain/ Project Name	Project Number/ Phase	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2017 \$m	Budget Estimate 2017-18 \$m	Revised Estimate 2017-18 \$m	Variation \$m	Project Performance Update and Explanation of Variation
Joint Domain							
Battlespace Communications System (Land)	JP 2072 Phase 2B	920	196	178	168	-10	The acquisition of the project is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to rescheduled delivery of the enhanced deployable LAN capability.
ADF Identification Friend or Foe and Automatic Dependent Surveillance - Broadcast	AIR 90 Phase 1	425	56	79	73	-6	The acquisition of the project is as forecast in the Defence <i>PBS 2017–18</i> . The expenditure against the planned budget is below the <i>PBS 2017–18</i> . The variation is due to a rescheduled delivery of IFF systems.
Civil Military Air Traffic System (CMATS)	AIR 5431 Phase 3	920	61	66	70	3	The acquisition of the project is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to additional requirements for Australian Military Airspace Control Communications System enhancements.
Woomera Test Range Remediation	JP 3024 Phase 1	237	110	60	58	-1	The acquisition of the project is as forecast in the Defence <i>PBS 2017–18</i> . The variation in funding from Budget Estimates relates to the early completion of contract milestones for the detailed design review and range instrument radar technical progress review.
Enhanced Land Electronic Warfare Systems	DEF 500 Phase 1	176	61	57	45	-12	The acquisition of the project differs from the Defence <i>PBS 2017–18</i> as the Initial Operating Capability has been rescheduled to 2018-19, whilst the Final Operating Capability remains as forecast. The variation in funding from Budget Estimates relates to rescheduled delivery of the training systems.
Nulka Missile Decoy Enhancements	SEA 1397 Phase 5C	174	95	42	38	-5	The acquisition of the project is as forecast in the Defence <i>PBS 2017–18</i> . The variation in funding from Budget Estimates is largely due to rescheduled acquisition of Trial Rounds.
Improved Tactical Electronic Support Capability for ANZAC Class	SEA 1448 Phase 4A	279	165	42	44	2	The acquisition of the project is as forecast in the Defence <i>PBS 2017–18</i> . The project delivery remains on schedule. All ships have now been fitted with the Electronic Support mission system. The variation in funding from Budget Estimates relates largely to higher costs based on Technical Support for internal communications.

Table 68: Top 30 Projects by 2017-18 Forecast Expenditure (Continued)

Domain/ Project Name	Project Number/ Phase	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2017 \$m	Budget Estimate 2017-18 \$m	Revised Estimate 2017-18 \$m	Variation \$m	Project Performance Update and Explanation of Variation
Land Domain							
Medium and Heavy Capability (MHC), Field Vehicles, Modules and Trailers (FVMT)	LAND 121 Phase 3B	3,404	1,002	710	688	-22	The acquisition of the project is as forecast in the Defence PBS 2017-18. The variation is due primarily to equipment deliveries and associated payments that were brought forward into 2016-17 from 2017-18.
Project Overlander - Protected Mobility Vehicle-Light	LAND 121 Phase 4	1,944	273	223	203	-20	The acquisition of the project is as forecast in the Defence PBS 2017-18. The variation is primarily due to an additional reliability trial being conducted in August 2017 that has resulted in some linked project milestones and payments being deferred to 2018-19.
Soldier Enhancement Version 2 - Lethality	LAND 125 Phase 3C	456	140	131	131	0	The acquisition of the project is as forecast in the Defence PBS 2017-18. The expenditure against the planned budget is on track.
Night Fighting Equipment Replacement	LAND 53 Phase 1BR	421	32	72	77	5	The acquisition of the project is as forecast in the Defence PBS 2017-18. The variation is due to payments originally planned for 2016-17 being deferred to 2017-18 and the bringing forward of payments for weapons integration and price escalation provisions.
Enhanced Gap Crossing Capability	LAND 155 Phase 1	211	102	66	76	10	The acquisition of the project is as forecast in the Defence PBS 2017-18. The variation is due to payments originally planned for 2016-17 not occurring until 2017-18, offset by some Battle Management System spares, support equipment and project management costs rescheduled to 2018-19 and 2019-20.

Table 68: Top 30 Projects by 2017–18 Forecast Expenditure (Continued)

Domain/ Project Name	Project Number/ Phase	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2017 \$m	Budget Estimate 2017-18 \$m	Revised Estimate 2017-18 \$m	Variation \$m	Project Performance Update and Explanation of Variation
Maritime Domain							
Air Warfare Destroyer Program	SEA 4000 Phase 3	0	7,120	683	520	-162	<p>Ship 01 was commissioned as HMAS <i>Hobart</i> by Navy in September 2017. The initial period of builders sea trials for Ship 02, commenced as planned in November 2017, with further trials continuing in the first quarter of 2017. Ship 03 is on track to be launched and officially named in mid-2018.</p> <p>The variation is due to cost savings against the Alliance Based Target Incentive Agreement (ABTIA), as a result of Navantia being inserted into the Shipyard. This is followed by closure of unrealised formal risks and issues after the delivery of Ship 1 and further savings against the ABTIA indexation estimate budget, which has been reduced to better reflect expected movements in ABS indices.</p> <p>The revised estimate is sufficient to successfully complete the key activities of the Air Warfare Destroyer Program based on current forecasts of expected expenditure against the approved scope of work and the known risks and issues.</p>
Future Submarine Design and Construction	SEA 1000 Phase 1B	2,228	102	319	311	-8	<p>The acquisition of the project is as forecast in the Defence <i>PBS 2017–18</i>.</p> <p>The engagement of secondees, further Collins Life of Type Extension Studies, and other activities have been reprogrammed from 2017-2018 to future fiscal years without affecting the acquisition forecast.</p>
Maritime Operational Support Capability	SEA 1654 Phase 3	1,037	89	270	275	5	<p>The changes primarily relate to an increase in foreign exchange fluctuations; offset against a reduction in the forecast expenditure on prime acquisition price escalation payments, and the procurement of long lead time items and training development activities.</p>
Future Frigate - Design and Construction	SEA 5000 Phase 1	393	141	133	143	10	<p>The expenditure against the planned budget at the 2017-18 Budget Estimates has increased.</p> <p>The variation is due to an increase in contractor support for the tender evaluation period and the lead up to Gate 2 Government approval in 2018.</p>

Table 68: Top 30 Projects by 2017-18 Forecast Expenditure (Continued)

Domain/ Project Name	Project Number/ Phase	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2017 \$m	Budget Estimate 2017-18 \$m	Revised Estimate 2017-18 \$m	Variation \$m	Project Performance Update and Explanation of Variation
Maritime Domain (Continued)							
Collins Sonar Capability Assurance Program	SEA 1439 Phase 6	124	42	67	77	10	The acquisition of the project is as forecast in the Defence <i>PBS 2017-18</i> , with the exception due to slippage of sonar design milestones. The variation is due to rescheduled sonar design milestones. This variance has been accommodated within funding made available through opportunities to reschedule some activities within the Submarine Enterprise.
Amphibious Ships (LHD)	JP 2048 Phase 4A/B	3,089	2,789	49	44	-5	The acquisition of the project is not as forecast in the Defence <i>PBS 2017-18</i> . Testing and acceptance of the capability has been rescheduled. As a result, expenditure has been revised from \$49m down to \$44m.
Collins Communications and Electronic Warfare Programme	SEA 1439 Phase 5B2	596	94	41	96	55	The acquisition of the project has increased since Defence <i>PBS 2017-18</i> as Second Pass (Gate 2) submission for SEA 1439 Phase 5B2 Stage Two was approved by Government in March 2017, with project receiving funding post Defence <i>PBS 2017-18</i> . The variation is due to the Stage Two component being approved by Government in March 2017 with project receiving funding post Defence <i>PBS 2017-18</i> , slippage of Stage 1 Prime System Integrator milestones from the previous financial year, and increase in Platform integration and installation work for Sheean and Collins. This variance has been accommodated within funding made available through opportunities to reschedule some activities within the Submarine Enterprise.

Table 68: Top 30 Projects by 2017–18 Forecast Expenditure (Continued)

Domain/ Project Name	Approved Project Expenditure \$m	Estimated Cumulative Expenditure to 30 June 2017 \$m	Budget Estimate 2017-18 \$m	Revised Estimate 2017-18 \$m	Variation \$m
Total Top 30 Projects (Gross Plan)	56,601	28,666	6,731	6,182	-549
Other Approved Project Gross Plans	86,123	67,257	1,153	1,426	
Total – Approved Projects (Gross Plan)	142,724	95,923	7,884	7,608	
Management Margin: Slippage			-1,305	-691	
Payments Required for the Approved Programme			6,579	6,917	

Note

1. One classified project has not been included in this table due to its classified nature.

APPENDIX D: TOP 30 SUSTAINMENT PRODUCTS BY 2017–18 FORECAST EXPENDITURE

Table 69: Top 30 Sustainment Products by 2017–18 Forecast Expenditure

Domain/ Project Name	Product Serial	Budget Estimate 2017-18 \$m	Revised AE's Estimate 2017-18 \$m	Variation \$m	Project Performance Update and Explanation of Variation
Air Domain					
F/A-18F Super Hornet Weapon System	CAF21	266	260	-6	The budget variation is due to the foreign currency exchange price basis adjustment down from <i>PBS 2017–18</i> to <i>MYEFO 2017–18</i> (\$5.7m).
E-7A Airborne Early Warning and Control Capability System	CAF20	212	208	-4	The expenditure against the planned budget is on track. The budget variation is due to the foreign currency exchange price basis adjustment down from <i>PBS 2017–18</i> to <i>MYEFO 2017–18</i> (\$4m).
F/A-18 A/B Classic Hornet Weapon System	CAF02	189	186	-3	The expenditure against the planned budget is on track. The budget variation is due to foreign currency exchange price basis adjustment down from <i>PBS 2017–18</i> to <i>MYEFO 2017–18</i> (\$2.7m).
Multi Role Helicopter Weapon System	CA48	172	178	6	The sustainment of the product is not as forecast in the Defence <i>PBS 2017–18</i> . The changes relate to increased maturity and confidence of the platform to achieve the forecasted annual Rate of Effort The variation is due to a decision to fully fund the achievement of the forecasted annual Rate of Effort.
Armed Reconnaissance Helicopter System	CA12	137	123	-14	The sustainment of the product is not as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to the change in forecasted Rate of Effort, due to the impact of a pause of operations while investigations were underway into an incident with a common user nation's aircraft.
C130J-30 Weapon System	CAF06	129	126	-3	The budget variation is due to the foreign currency exchange price basis adjustment down from <i>PBS 2017–18</i> to <i>MYEFO 2017–18</i> (\$2.8m).
Lead-In Fighter Hawk Weapon System	CAF03	126	126	-	The expenditure against the planned budget is on track.
C-17 Heavy Air Lift Weapons system	CAF19	115	112	-3	The expenditure against the planned budget is on track. The budget variation is due to the foreign currency exchange price basis adjustment down from <i>PBS 2017–18</i> to <i>MYEFO 2017–18</i> (\$3m).

Table 69: Top 30 Sustainment Products by 2017–18 Forecast Expenditure (Continued)

Domain/ Project Name	Product Serial	Budget Estimate 2017-18 \$m	Revised AE's Estimate 2017-18 \$m	Variation \$m	Project Performance Update and Explanation of Variation
Air Domain (Continued)					
P3C Orion Weapons System	CAF04	105	81	-24	Planned variation is due to a delay in planned disposals activity and reduced Avionics repairable item inductions below what was planned. The budget variation is due to: 1) Allocation of Air Force budget for the new platform (\$25m); and 2) The foreign currency exchange price basis adjustment down from <i>PBS 2017–18</i> to <i>MYEFO 2017–18</i> (\$0.9m).
KC-30A Weapon System	CAF22	72	86	14	The budget variation is due to the allocation of Air Force budget for additional aircraft.
MH-60R Seahawk Romeo Weapon System	CN35	56	89	33	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The Seahawk Romeo capability is operated from HMAS <i>Albatross</i> in Nowra and is currently supporting six embarked flights on Navy ships and the capability will continue to grow to a mature state of eight embarked flights over the next two years. The expenditure against the planned budget is above the 2017-18 Budget Estimate. The variation results from the Product being allocated Future Sustainment funding in September 2017.
Joint Domain					
Army Munitions and Army Guided Weapons	CA59 and CA60	178	189	11	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to increased requirements for explosive materiel to support Army.
Navy Munitions and Navy Guided Weapons	CN37 and CN38	149	153	4	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to increased requirements for explosive materiel to support Navy.
Air Force Munitions and Air Force Guided Weapons	CAF32 and CAF33	116	110	-6	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to a delay in delivery of munitions to support Air Force.
Wide Area Surveillance	CAF13	91	89	-2	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation relates to anticipated cost efficiencies in contract management.
Battlespace Communications Systems	CA31	57	74	17	The sustainment of the product is not as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to the additional activities associated with the Ready Battle Group. This will address capability outputs within the Ready Battle Group.
Air Battlespace Management Systems	CAF14	55	54	-1	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation relates to the earlier than originally planned procurement of additional Mobile Control and Reporting Centre internet Protocol Radios.

Table 69: Top 30 Sustainment Products by 2017–18 Forecast Expenditure (Continued)

Domain/ Project Name	Product Serial	Budget Estimate 2017-18 \$m	Revised AE's Estimate 2017-18 \$m	Variation \$m	Project Performance Update and Explanation of Variation
Joint Domain (Continued)					
Air Traffic Control (ATC) Capability	CAF12	54	52	-2	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation is largely due to rescheduling of Fixed Tactical Air Navigation system procurement.
Command and Control Capability Systems	CAF16	54	49	-5	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation relates to reduction in some planned hardware replacements, software upgrades and enhancements.
Land Domain					
ADF Clothing	CA39	89	92	3	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to additional requirements for Air Force Multi Purpose Jackets, R.M.Williams boots and Army Cadet boots that have been agreed and funded by the Capability Manager.
Commercial Vehicle Fleet	CA19	78	67	-11	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The availability of improved fleet management information from the Whole of Government contractor has enabled more accurate fleet replacement planning to take place and better efficiency of fleet vehicles. The product is also able to access cheaper vehicles, in some categories.
Maritime Domain					
Collins class submarines	CN10	575	571	-4	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . No significant variation to financial estimate for delivery of CN10.
Anzac Class Frigate (FFH)	CN02	322	356	34	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to funding adjustments provided from other Navy products for additional treatment of maintenance, supportability and obsolescence risks.
Canberra Class Landing Helicopter Dock	CN34	106	124	18	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to funding adjustments provided from other Navy products for additional identified planned and corrective maintenance requirements.
Adelaide Class Frigate	CN01	96	83	-13	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to funding adjustments provided to other Navy products as a result of contract reviews noting the planned withdrawal dates and cancelled Supported Maintenance Periods overseas.
Auxiliary Oiler Replenishment (AOR) HMAS <i>Success</i>	CN43	78	63	-15	The sustainment of the product is not as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to the decision to bring forward the planned withdrawal dates from service of the current Replenishment Capability, and funding adjustments provided to other Navy products.
Armidale Class Patrol Boat	CN09	64	76	12	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to funding adjustments provided from other Navy products for additional identified planned and corrective maintenance requirements.

Table 69: Top 30 Sustainment Products by 2017–18 Forecast Expenditure (Continued)

Domain/ Project Name	Product Serial	Budget Estimate 2017-18 \$m	Revised AE's Estimate 2017-18 \$m	Variation \$m	Project Performance Update and Explanation of Variation
Maritime Domain (Continued)					
Hydrographic Support	CN46	63	69	6	The sustainment of the product is not as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to funding adjustments provided from other Navy products for additional identified planned and corrective maintenance requirements.
Huon Class Mine Hunter Coastal	CN14	61	65	4	The sustainment of the product is as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to funding adjustments provided from other Navy products for additional identified planned and corrective maintenance requirements.
Cross Platform Items of Supply	CN49	57	54	-3	The sustainment of the product is not as forecast in the Defence <i>PBS 2017–18</i> . The variation is due to funding adjustments provided to other Navy products.
Total - Top 30 Products		3,922	3,965	43	
Other Approved Sustainment Product Estimates			1,707		
Total Sustainment Product Funds Available			5,673		
Support to Operations			395		
Total Sustainment and Operations Funding			6,068		

APPENDIX E: FACILITIES AND INFRASTRUCTURE PROGRAM

Table 70: Approved Major Capital Facilities Projects by State and Federal Electorate

	State and Electorate	Total Estimated Expenditure \$m	Cumulative Expenditure to 30 June 2017 \$m	2017-18 Budget Estimate \$m	2017-18 Revised Estimate \$m	Variation \$m	Project Performance Update and Explanation of financial variation
New Air Combat Capability (AIR 6000 NACC)^[1]							
RAAF Williamtown	NSW - Paterson	-	526.0	254.4	239.7	-14.7	The financial variation is a result of delays due to contamination issues.
RAAF Tindal	NT - Lingiari	-	85.9	187.7	176.8	-10.8	The financial variation is a result of change in delivery schedule.
Total		1,477.0	611.9	442.1	416.6	-25.5	
Enhanced Land Force (ELF) Stage 2^[1]							
Lone Pine Barracks	NSW - Hunter	-	115.8	-	-	-	
Puckapunyal Training Area	VIC - McEwan	-	8.8	2.1	2.3	0.2	The financial variation is a result of change in delivery schedule.
Simpson Barracks, Watsonia	VIC - Jagajaga	-	20.2	-	-	-	
RAAF Amberley	QLD - Blair	-	9.6	-	-	-	
Lavarack Barracks, Townsville	QLD - Herbert	-	66.1	-	-	-	
Townsville Training Area	QLD - Kennedy	-	3.9	-	-	-	
Greenbank Training Area	QLD - Rankin	-	120.7	-	-	-	
Gallipoli Barracks, Enoggera	QLD - Ryan	-	807.9	-	-	-	
Wide Bay Training Area	QLD - Wide Bay	-	91.8	-	-	-	
Kokoda Barracks, Canungra	QLD - Wright	-	71.8	-	-	-	
Cultana Training Area	SA - Grey	-	5.5	47.0	51.8	4.8	The financial variation is a result of change in delivery schedule.
RAAF Edinburgh	SA - Wakefield	-	34.5	-	-	-	
Majura Field Training Area	ACT - Fraser	-	22.4	-	-	-	
Total		1,457.8	1,379.1	49.1	54.1	5.1	

Table 70: Approved Major Capital Facilities Projects by State and Federal Electorate (Continued)

	State and Electorate	Total Estimated Expenditure \$m	Cumulative Expenditure to 30 June 2017 \$m	2017-18 Budget Estimate \$m	2017-18 Revised Estimate \$m	Variation \$m	Project Performance Update and Explanation of financial variation
Maritime Patrol Aircraft Replacement (AIR 7000 Phase 2B)^[1]							
RAAF Edinburgh	SA - Wakefield	-	165.6	148.2	148.2	-	
RAAF Townsville	QLD - Herbert	-	-	-	-	-	
RAAF Pearce	WA - Pearce	-	-	-	-	-	
RAAF Darwin	NT - Solomon	-	-	4.4	4.4	-	
Total		707.9	165.6	152.6	152.6	-	
Hardened & Networked Army (HNA) Phase 2, Edinburgh Defence Precinct							
Cultana Training Area	SA - Grey	520.6	483.3	-	12.6	12.6	Project has been approved since the <i>PBS 2017–18</i> .
HMAS Cerberus Redevelopment							
HMAS Cerberus	VIC - Flinders	463.1	-	-	15.0	15.0	Project has been approved since the <i>PBS 2017–18</i> .
Air Traffic Control Complex Infrastructure Project and Fixed Base Defence Air Traffic Management and Control System (AIR 5431 Phases 2 and 3)^[1]							
RAAF Amberley	QLD - Blair	-	17.5	18.6	18.5	-0.1	The financial variation is a result of change in delivery schedule.
Army Aviation Centre Oakey	QLD - Groom	-	2.8	25.4	25.3	-0.1	The financial variation is a result of change in delivery schedule.
RAAF Townsville	QLD - Herbert	-	3.7	28.8	28.7	-0.1	The financial variation is a result of change in delivery schedule.
RAAF Richmond	NSW - Greenway	-	2.4	19.7	19.6	-0.1	The financial variation is a result of change in delivery schedule.
HMAS Albatross	NSW - Gilmore	-	1.7	4.7	4.7	-0.0	The financial variation is a result of change in delivery schedule.
RAAF Williamtown	NSW - Paterson	-	3.4	27.0	26.9	-0.1	The financial variation is a result of change in delivery schedule.
RAAF East Sale	VIC - Gippsland	-	5.1	0.7	0.7	-0.0	The financial variation is a result of change in delivery schedule.

Table 70: Approved Major Capital Facilities Projects by State and Federal Electorate (Continued)

	State and Electorate	Total Estimated Expenditure \$m	Cumulative Expenditure to 30 June 2017 \$m	2017-18 Budget Estimate \$m	2017-18 Revised Estimate \$m	Variation \$m	Project Performance Update and Explanation of financial variation
RAAF Woomera	SA - Grey	-	1.4	7.8	7.8	-0.0	The financial variation is a result of change in delivery schedule.
RAAF Edinburgh	SA - Wakefield	-	1.2	1.7	1.7	-0.0	The financial variation is a result of change in delivery schedule.
RAAF Gingin	WA - Pearce	-	0.4	6.8	6.8	-0.0	The financial variation is a result of change in delivery schedule.
RAAF Pearce	WA - Pearce	-	2.1	25.4	25.3	-0.1	The financial variation is a result of change in delivery schedule.
RAAF Darwin	NT - Solomon	-	4.1	27.5	27.4	-0.1	The financial variation is a result of change in delivery schedule.
RAAF Tindal	NT - Lingiari	-	7.8	28.7	28.6	-0.1	The financial variation is a result of change in delivery schedule.
Total		409.9	53.5	222.8	221.8	-1.0	
Battlefield Airlifter Facilities (AIR 8000 Phase 2)							
RAAF Amberley	QLD - Blair	370.4	62.3	120.0	141.2	21.2	The financial variation is a result of slippage of expenditure from 2016-17 to 2017-18 and the opportunity to deliver construction works earlier than planned.
HMAS <i>Stirling</i> Redevelopment Stage 3A							
HMAS <i>Stirling</i> , Rockingham	WA - Brand	366.8	15.0	70.4	71.3	0.9	The financial variation is a result of change in delivery schedule.
Growler Airborne Electronic Attack Capability Facilities (AIR 5349 Phase 3)							
RAAF Amberley	QLD - Blair	-	71.2	55.0	63.9	8.9	The financial variation is a result of higher than anticipated tender prices.
Delamere Weapons Range	NT - Lingiari	-	17.2	49.0	56.9	7.9	The financial variation is a result of higher than anticipated tender prices.
Total		348.6	88.4	104.0	120.8	16.8	

Table 70: Approved Major Capital Facilities Projects by State and Federal Electorate (Continued)

	State and Electorate	Total Estimated Expenditure \$m	Cumulative Expenditure to 30 June 2017 \$m	2017-18 Budget Estimate \$m	2017-18 Revised Estimate \$m	Variation \$m	Project Performance Update and Explanation of financial variation
Pilot Training System Facilities (AIR 5428 Phase 1)^[1]							
RAAF East Sale	VIC - Gippsland	-	-	101.6	101.7	0.0	The financial variation is a result of change in delivery schedule.
RAAF Pearce	WA - Pearce	-	79.9	66.4	66.4	0.0	The financial variation is a result of change in delivery schedule.
RAAF Edinburgh	SA - Wakefield	-	27.5	-	-	-	
RAAF Williamtown	NSW - Paterson	-	2.4	-	-	-	
RAAF Gingin	WA - Pearce	-	2.4	-	-	-	
Total		329.8	112.1	168.0	168.1	0.1	
LAND 121 Stage 2 (Phases 3 and 4)^[1]							
Lavarack Barracks, Townsville	QLD - Herbert	-	56.9	50.0	48.0	-2.0	The financial variation is a result of lower than anticipated tender prices.
RAAF Darwin	NT - Solomon	-	0.0	-	-	-	
Gallipoli Barracks, Enoggera	QLD - Ryan	-	17.9	31.0	29.8	-1.2	The financial variation is a result of lower than anticipated tender prices.
RAAF Williamtown	NSW - Paterson	-	5.5	8.2	7.9	-0.3	The financial variation is a result of lower than anticipated tender prices.
Holsworthy Barracks, Holsworthy	NSW - Hughes	-	0.1	1.3	1.2	-0.1	The financial variation is a result of lower than anticipated tender prices.
Puckapunyal Training Area	VIC - McEwan	-	3.5	13.0	12.5	-0.5	The financial variation is a result of lower than anticipated tender prices.
Campbell Barracks	WA - Curtin	-	0.0	4.4	4.2	-0.2	The financial variation is a result of the delay in commencement of construction.
RAAF Edinburgh	SA - Wakefield	-	3.8	6.1	5.9	-0.2	The financial variation is a result of lower than anticipated tender prices.
Robertson Barracks	NT - Solomon	-	0.0	3.5	3.4	-0.1	The financial variation is a result of lower than anticipated tender prices.
Total		276.5	87.7	117.5	112.8	-4.7	
RAAF Base Williamtown Redevelopment Stage 2							
RAAF Williamtown	NSW - Paterson	274.0	47.5	103.1	102.6	-0.5	The financial variation is a result of delays due to contamination issues.

Table 70: Approved Major Capital Facilities Projects by State and Federal Electorate (Continued)

	State and Electorate	Total Estimated Expenditure \$m	Cumulative Expenditure to 30 June 2017 \$m	2017-18 Budget Estimate \$m	2017-18 Revised Estimate \$m	Variation \$m	Project Performance Update and Explanation of financial variation
Explosive Ordnance Logistics Reform Program^[1]							
HMAS <i>Cerberus</i>	VIC - Flinders	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
Fleet Base West, Stirling	WA - Brand	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
RAAF Amberley	QLD - Blair	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
RAAF Darwin	NT - Solomon	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
RAAF Edinburgh	SA - Wakefield	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
RAAF Williamtown	NSW - Newcastle	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
Fort Direction	TAS - Franklin	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
Mangalore	VIC - Murray	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
Mt Stuart	TAS - Denison	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
Myambat	NSW - Hunter	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
Point Wilson	VIC - Corio	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
Twofold Bay	NSW - Eden-Monaro	-	-	-	-	-	Project has been approved since the <i>PBS 2017–18</i> .
Total		230.9	-	-	55.0	55.0	Project has been approved since the <i>PBS 2017–18</i> .
Campbell Barracks Redevelopment							
Campbell Barracks	WA - Curtin	223.6	115.3	38.2	66.4	28.3	The financial variation is a result of additional costs relating to asbestos remediation.

Table 70: Approved Major Capital Facilities Projects by State and Federal Electorate (Continued)

	State and Electorate	Total Estimated Expenditure \$m	Cumulative Expenditure to 30 June 2017 \$m	2017-18 Budget Estimate \$m	2017-18 Revised Estimate \$m	Variation \$m	Project Performance Update and Explanation of financial variation
C-17 Maintenance Facility, Aircraft Apron and Associated Infrastructure (AIR 8000 Phase 3)							
RAAF Amberley	QLD - Blair	219.4	-	100.0	118.0	18.0	The financial variation is a result of the opportunity to deliver construction works earlier than planned.
Garden Island Critical Infrastructure Recovery - Stage 1							
Garden Island Defence Precinct	NSW - Sydney	213.4	-	-	35.0	35.0	Project has been approved since the <i>PBS 2017-18</i> .
HMAS Albatross Redevelopment Stage 3							
HMAS Albatross	NSW - Gilmore	192.0	183.3	0.5	5.6	5.1	The financial variation is a result of project finalisation costs.
Air 9000 Ph 8 Facilities for the Future Naval Aviation Combat System (FNACS) - MH-60R⁽¹⁾							
HMAS Albatross, Nowra	NSW - Gilmore	-	161.5	0.4	0.5	0.1	The financial variation is a result of change in delivery schedule.
HMAS Stirling, Rockingham	WA - Brand	-	18.8	-	-	-	
Twofold Bay, Eden	NSW - Eden-Monaro	-	4.2	-	-	-	
Total		189.0	184.4	0.4	0.5	0.1	
Defence Terrestrial Communications Network Facilities Upgrade (JP 2047 Phase 3)⁽²⁾							
National		131.1	73.8	32.8	47.2	14.4	The financial variation is a result of change in delivery schedule.
Airfield Capital Works (Curtin, Tindal and Townsville)⁽¹⁾							
RAAF Townsville	QLD - Herbert	-	-	-	-	-	
RAAF Curtin	WA - Durack	-	-	2.4	0.9	-1.5	The financial variation is a result of change in delivery schedule.
RAAF Tindal	NT - Lingiari	-	-	33.6	12.7	-21.0	The financial variation is a result of reduced scope requirement.
Total		95.3	51.0	36.0	13.6	-22.5	
Space Surveillance Telescope (JP 3029 Phase 2)							
Harold E Holt, Exmouth	WA - Durack	79.0	15.7	27.5	53.4	25.9	The financial variation is a result of change in delivery schedule.

Table 70: Approved Major Capital Facilities Projects by State and Federal Electorate (Continued)

	State and Electorate	Total Estimated Expenditure \$m	Cumulative Expenditure to 30 June 2017 \$m	2017-18 Budget Estimate \$m	2017-18 Revised Estimate \$m	Variation \$m	Project Performance Update and Explanation of financial variation
Russell Offices Buildings 5 and 6 Infrastructure Upgrade							
Russell Offices	ACT - Canberra	75.4	-	-	14.1	14.1	Project has been approved since the <i>PBS 2017-18</i> .
Delamere Range Facilities Redevelopment							
Delamere Air Weapons Range	NT - Lingiari	74.4	15.3	35.3	54.5	19.2	The financial variation is a result of higher than anticipated tender prices.
Land 17 Phase 1B/C							
Gallipoli Barracks, Enoggera	QLD - Ryan	-	-	3.4	4.9	1.4	The financial variation is a result of change in delivery schedule.
Lavarack Barracks	QLD - Herbert	-	-	6.5	9.2	2.7	The financial variation is a result of change in delivery schedule.
Robertson Barracks	NT - Solomon	-	-	6.0	8.6	2.5	The financial variation is a result of change in delivery schedule.
Puckapunyal Training Area	VIC - McEwan	-	0.4	6.5	9.2	2.7	The financial variation is a result of change in delivery schedule.
Campbell Barracks	WA - Curtin	-	-	3.3	4.7	1.4	The financial variation is a result of change in delivery schedule.
Holsworthy Barracks	NSW - Hughes	-	-	2.9	4.2	1.2	The financial variation is a result of change in delivery schedule.
RAAF Williamtown	NSW - Newcastle	-	-	3.0	4.3	1.3	The financial variation is a result of change in delivery schedule.
Proof & Experimental Establishment - Port Wakefield	QLD - Wakefield	-	-	0.7	1.0	0.3	The financial variation is a result of change in delivery schedule.
Total		57.1	0.4	32.3	45.9	13.6	

Table 70: Approved Major Capital Facilities Projects by State and Federal Electorate (Continued)

	State and Electorate	Total Estimated Expenditure \$m	Cumulative Expenditure to 30 June 2017 \$m	2017-18 Budget Estimate \$m	2017-18 Revised Estimate \$m	Variation \$m	Project Performance Update and Explanation of financial variation
REDFIN Infrastructure (JP 2097 Phase 1B)^[1]							
Holsworthy Barracks	NSW - Hughes	-	-	3.6	7.5	3.9	The financial variation is a result of change in delivery schedule.
Campbell Barracks	WA - Curtin	-	-	0.2	0.4	0.2	The financial variation is a result of change in delivery schedule.
Defence Establishment Howard Springs	NT - Solomon	-	-	1.8	3.7	1.9	The financial variation is a result of change in delivery schedule.
Lavarack Barracks	QLD - Herbert	-	-	0.0	0.1	0.0	The financial variation is a result of change in delivery schedule.
Total		50.5	34.5	5.6	11.6	6.0	
Facilities for Chinook Helicopter (AIR 9000 Phases 5B and 5C)							
RAAF Townsville	QLD - Herbert	49.8	41.4	1.4	8.3	6.9	The financial variation is a result of cost variations associated with latent conditions.
Woomera Range Remediation Facilities (AIR 3024 Phase 1)							
Woomera	SA - Grey	48.6	-	29.6	45.3	15.7	The financial variation is a result of change in delivery schedule.
Puckapunyal Military Area High Voltage Upgrade							
Puckapunyal Training Area	VIC - McEwan	32.7	12.7	8.1	20.0	11.8	The financial variation is a result of change in delivery schedule.
Electronic Warfare Operational Support (JP500 Phase 2)							
RAAF Edinburgh	SA - Wakefield	24.9	-	14.6	14.6	-	

Table 70: Approved Major Capital Facilities Projects by State and Federal Electorate (Continued)

	State and Electorate	Total Estimated Expenditure \$m	Cumulative Expenditure to 30 June 2017 \$m	2017-18 Budget Estimate \$m	2017-18 Revised Estimate \$m	Variation \$m	Project Performance Update and Explanation of financial variation
LAND 155 Enhanced Gap Crossing Capability^[1]							
Wallangarra	QLD - Maranoa	-	-	-	6.4	6.4	Project has been approved since the <i>PBS 2017–18</i> .
Lavarack Barracks, Townsville	QLD - Herbert	-	-	-	3.8	3.8	Project has been approved since the <i>PBS 2017–18</i> .
Liverpool Military Area (LMA)	NSW - Fowler	-	-	-	6.8	6.8	Project has been approved since the <i>PBS 2017–18</i> .
Total		23.2	-	-	17.0	17.0	Project has been approved since the <i>PBS 2017–18</i> .
HMAS <i>Moreton</i> Unit Relocation							
HMAS <i>Moreton</i>	QLD - Griffith	15.6	-	-	5.3	5.3	Project has been approved since the <i>PBS 2017–18</i> .
LAND 500 Ph1 – Remediation of Tactical Land Electronic Warfare							
Holsworthy Barracks	NSW - Hughes	-	-	-	0.8	0.8	Project has been approved since the <i>PBS 2017–18</i> .
Borneo Barracks	QLD - Groom	-	-	-	8.7	8.7	Project has been approved since the <i>PBS 2017–18</i> .
Simpson Barracks	VIC - Jagajaga	-	-	-	0.1	0.1	Project has been approved since the <i>PBS 2017–18</i> .
Total		14.6	-	-	9.6	9.6	Project has been approved since the <i>PBS 2017–18</i> .
Centralised Processing Facilities and Infrastructure							
National		12.9	1.9	5.5	5.5	-	The financial variation is a result of change in delivery schedule.
Low Level Bridge Repair							
Fleet Base West, Stirling	WA - Brand	12.8	12.4	0.1	0.1	0.0	The financial variation is a result of change in delivery schedule.
RAAF Base Amberley Sewerage Treatment Plant							
RAAF Amberley	QLD - Blair	9.2	-	5.4	0.5	-4.9	The financial variation is a result of change in delivery schedule.

Table 70: Approved Major Capital Facilities Projects by State and Federal Electorate (Continued)

	State and Electorate	Total Estimated Expenditure \$m	Cumulative Expenditure to 30 June 2017 \$m	2017-18 Budget Estimate \$m	2017-18 Revised Estimate \$m	Variation \$m	Project Performance Update and Explanation of financial variation
Potable Water Supply Upgrade							
RAAF Pearce	WA - Pearce	8.7	0.8	7.3	3.0	-4.3	The financial variation is a result of change in delivery schedule.
Underwater Explosive Test Facility - DSTO							
DSTG Nagambie	VIC - Murray	7.6	-	-	3.0	3.0	Project has been approved since the <i>PBS 2017-18</i> .
Shoalwater Bay Training Area (SWBTA) - Vehicle Wash Point							
Shoalwater Bay Training Area	QLD - Rockhampton	6.8	-	-	4.7	4.7	Project has been approved since the <i>PBS 2017-18</i> .
Port Wakefield - P&EE Vibration Test Facility							
Port Wakefield	SA - Wakefield	6.7	-	-	6.7	6.7	Project has been approved since the <i>PBS 2017-18</i> .
DSTO Graytown Armour Testing Facility							
DSTG Graytown	VIC - Murray	5.0	-	-	1.7	1.7	Project has been approved since the <i>PBS 2017-18</i> .
Land 136 Ph 1 Land Force Mortar Replacement ^[1]							
Holsworthy Barracks	NSW - Hughes	-	-	0.2	1.1	1.0	The financial variation is a result of change in delivery schedule.
Irwin Barracks	WA - Curtin	-	-	0.2	1.2	1.0	The financial variation is a result of change in delivery schedule.
Robertson Barracks	NT - Solomon	-	-	0.2	1.5	1.2	The financial variation is a result of change in delivery schedule.
Total		4.5	0.2	0.6	3.8	3.2	
Projects in or about to enter Defects Liability Period ^[3]				7.8	17.6	9.8	The financial variation is a result of slippage of project finalisation costs from 2016-17 to 2017-18.
Total		9,240.1	3,849.6	1,938.7	2,277.0	338.3	

Notes

1. These projects cross state and electoral boundaries. Estimated cumulative expenditure to 30 June 2017 and expenditure estimates for 2017-18 are provided in the table per location.
2. This project is delivering facilities at over 200 locations that cross state and electoral boundaries.
3. This amount represents the expenditure estimates for contract administration of 15 completed projects during their first year in-use. This includes the Deployable Defence Air Traffic Management and Control Systems included in *PBS 2017-18*.
4. Variations of \$0.0m relate to movements of less than \$50,000.

Information is as reported in *PBS 2017–18* with the following updates:

New South Wales

RAAF Base Williamstown Redevelopment Stage 2

This project will sustain and improve the functionality and capability of RAAF Base Williamstown, NSW, including upgrades or replacement of critical ageing infrastructure to meet future requirements. The project is scheduled for completion by late 2021.

HMAS *Albatross* Redevelopment Stage 3

This project will replace ageing and obsolete engineering services and infrastructure at HMAS *Albatross*. The project will also provide a combination of new and refurbished facilities to support operational and training outcomes as well as enabling functions. Construction is complete and currently in the Defects Liability Period.

Garden Island (East) Critical Infrastructure Recovery Project (CIRP) – Stage One

This project will address critical structural, condition and engineering services risks on the Cruiser Wharf at Garden Island (East), Sydney, NSW. The project is scheduled for completion by late 2021.

JP2008 Phase 5B Ground Satellite Station

This project will provide facilities (mainly engineering services infrastructure) to support JP2008PH5B requirements, at Kapooka Training Base, Wagga Wagga. The project is scheduled for completion by late 2018.

Queensland

Battlefield Airlifter Facilities (AIR 8000 Phase 2)

This project will provide facilities at RAAF Base Amberley, QLD to accommodate and support the operation of the new C-27J Battlefield Airlifter (BFA) aircraft. The project is scheduled for completion by mid-2019.

Growler Airborne Electronic Attack Capability Facilities (AIR 5349 Phase 3)

This Project will provide the necessary working accommodation, maintenance, warehousing and training facilities at RAAF Base Amberley, QLD to support the introduction of the Growler Airborne Electronic Attack Capability. The project is scheduled for completion by early 2021.

Facilities for Chinook Helicopter (AIR 9000 Phases 5B and 5C)

This project will provide new and upgraded facilities to support the introduction into service of the new CH47 F Chinook Helicopter. The project will provide working accommodation, simulator facilities, aircraft hangars and workshops, storage facilities and supporting infrastructure for the Army's 5th Aviation Regiment at RAAF Base Townsville. Construction is complete and currently in the Defects Liability Period.

C-17 Maintenance Facility, Aircraft Apron and Associated Infrastructure (AIR 8000 Phase 3)

This project will provide a maintenance facility, working accommodation, an aircraft apron and associated facilities at RAAF Base Amberley. This project is scheduled for completion by early 2019.

Shoalwater Bay Training Area Vehicle Wash Point

This project will provide a vehicle wash point at the main entrance to the Shoalwater Bay Training Area. The project is scheduled for completion in mid-2018.

HMAS *Moreton* Unit Relocation

This project will ensure that Navy's operational and administrative functions are retained after the partial disposal of surplus Defence land at Bulimba Barracks. The project also seeks to construct new facilities and services on the remaining portion of the site to replace those functions that will be displaced due to the partial disposal of the site. The project is scheduled for completion by early 2019.

Western Australia

Campbell Barracks Redevelopment

This project will provide a new Headquarters for the Special Air Services Regiment, communications facilities, working accommodation, storage facilities and supporting site infrastructure at Campbell Barracks, WA. The project is scheduled for completion by early 2019.

Northern Territory

Delamere Range Facilities Redevelopment

This project will redevelop key range facilities and infrastructure to enable Growler and Mobile Threat Training Emitter Systems capability at Delamere Air Weapons Range, NT. The project is scheduled for completion by late 2018.

South Australia

Woomera Range Remediation Facilities (AIR 3024 Phase 1)

This facilities project will provide new and upgraded facilities and infrastructure that are capable of facilitating the operation of a new range safety and control system at Woomera, SA. The project is scheduled for completion in mid-2018.

Victoria

Puckapunyal Military Area High Voltage Upgrade

The project will provide an essential upgrade to the High Voltage power supply and reticulation network at the Puckapunyal Military Area, Victoria. The project is scheduled for completion in early 2018.

HMAS *Cerberus* Redevelopment

This project will provide engineering services upgrade, consolidation of Living In Accommodation (LIA) and Mess Facilities, co-location of Clothing Store with Naval Store, School of Survivability and Ship Safety upgrade, Gym upgrade, Armoury, Explosive Ordnance (EO) and Weapons Storage Facility upgrade, and demolition. The project is scheduled for completion in 2025.

Australian Capital Territory

Russell Buildings R5 and R6 Infrastructure Upgrade

The project will provide essential building and engineering services upgrades to extend the life of Russell Buildings R5 and R6. The project is scheduled for completion by mid-2020.

Various Locations

New Air Combat Capability (AIR 6000 NACC)

This project will provide new and upgraded facilities and infrastructure to support the introduction of the Joint Strike Fighter at RAAF Base Williamtown Newcastle, NSW, and RAAF Base Tindal, Katherine, NT with support facilities and infrastructure provided at Defence Establishment Myambart, NSW and seven Forward Operating Bases. The project is scheduled for completion by mid-2020.

Enhanced Land Force (ELF) Stage 2

This project will provide modern purpose-built facilities and supporting infrastructure for the 8th/9th Battalion the Royal Australian Regiment and supporting elements of the Army's 7th Brigade at Gallipoli Barracks in Enoggera, Brisbane. The project includes the construction of new and refurbished accommodation and training facilities, as well as common use facilities and site infrastructure upgrades, at Enoggera and other Defence sites across four States and both mainland Territories.

Facilities at Townsville, Singleton, Duntroon and Watsonia will provide modern accommodation and supporting infrastructure for increased Army career training. In Sydney, at RAAF Bases Amberley and Edinburgh, and at nine other Defence Training Areas, new and refurbished facilities with site infrastructure upgrades will be provided for Army and joint enabling elements supporting the Enhanced Land Force capabilities.

All works are complete with the exception of works at Cultana Training Area, which a rescheduled for completion by late 2018.

Air Traffic Control Complex Infrastructure Project and Fixed Base Defence Air Traffic Management and Control System (AIR 5431 Phases 2 and 3)

This project will provide facilities across 13 bases in support of replacement Air Traffic Management Surveillance, Command and Control Systems under AIR 5431 Phases 2 and 3, incorporating the replacement of aged and degraded Air Traffic Control Towers. The project is scheduled for completion by early 2023.

LAND 121 Stage 2 (Phases 3 and 4)

This project will provide facilities across nine bases to sustain the B-vehicle fleet IAW the Basis of Issue for Army, RAAF and Joint Logistics Command. These facilities will maintain (workshops and repair parts storage), support (fuel points, loading ramps, wash points and weigh bridges) and sustain (shelters and hardstand) the vehicles from vehicle acquisition Phase 3A (G-Wagon), Phase 3B (Light/Light Weight and Medium/Heavy) and Phase 4 (Protected Mobility Vehicles Light). The project is scheduled for completion by early 2020.

Facilities for the MH-60R Seahawk Maritime Combat Helicopters (AIR 9000 Phase 8)

This project will provide new and upgraded facilities for maritime helicopter operations at HMAS *Albatross*, NSW, HMAS *Stirling*, WA and at Eden, NSW. The project includes the provision of facilities for aircraft hangars and workshops, synthetic training and working accommodation primarily at HMAS *Albatross* as well as additional explosive ordnance facilities at HMAS *Stirling* and Eden. Construction is complete and currently in the Defects Liability Period.

Helicopter Aircrew Training System (JP 9000 Phase 7)

This project will provide new and upgraded training facilities to support the introduction of the new joint Navy and Army Helicopter Aircrew Training System. The project will provide working accommodation, simulation facilities, training facilities and aircraft hangars at HMAS *Albatross*, NSW as well as communication rooms and helicopter operation areas at Jervis Bay Airfield, ACT. The project was completed in July 2017 and is now in the Defects Liability Period.

Airfield Capital Works (Curtin, Tindal and Townsville)

This project will resurface asphalt pavement and replace airfield lighting at RAAF Base Curtin, WA, RAAF Base Tindal, NT and RAAF Base Townsville, QLD. The project is scheduled for completion by mid-2019.

REDFIN Infrastructure (JP2097 Phase 1B)

This project will provide facilities for the Special Operations Vehicle (SOV) fleet to support mobility and communications for Special Operations Forces. The project is scheduled for completion by mid-2018.

LAND 17 Phase 1B/1C

This project will provide facilities at eight Defence establishments to provide the necessary working, storage, maintenance and training facilities to support the additional Lightweight Towed Howitzer and simulation capability being acquired under LAND 17 Phase 1B/1C. The project is scheduled for completion by mid-2018.

Land Force Mortar Replacement (LAND 136 Phase 1)

This project will provide facilities to support the introduction into service of new mortar simulation systems. The project is scheduled for completion in early 2018.

Defence Centralised Processing Facilities

This project will provide upgrades to building services at eight Defence locations, to support the consolidation of information and communications technology hosting services. The project is scheduled for completion in early 2018

LAND 155 Enhanced Gap Crossing Capability

This project will provide new storage and hardstand facilities to support the introduction of enhanced gap crossing capability at Liverpool Military Area, NSW, Joint Logistics Unit South QLD, Joint Logistics Unit North QLD and Joint Logistics Unit North, NT. The project is scheduled for completion by mid-2018.

Explosive Ordnance Logistics Reform Program

This project will address explosive ordnance storage capacity shortfalls through delivery of new and enhanced explosive ordnance facilities at 12 Defence sites. The project is scheduled for completion by mid-2020.

APPENDIX F: STATUS OF MAJOR PROJECTS FORESHADOWED FOR GOVERNMENT AND PARLIAMENTARY STANDING COMMITTEE ON PUBLIC WORKS CONSIDERATION (PWC) IN 2017–18

Explanation of the Major Projects Foreshadowed for PWC Consideration in 2017–18

Information is as reported in the *PBS 2017–18*.

Table 71: Major Capital Facilities Projects Foreshadowed for Consideration and Approval

	State/Electorate	Actual/Indicative PWC Referral Date	Actual/Indicative PWC Hearing Date ^[1]	Current Status
Major Capital Facilities Projects Foreshadowed for PWC Consideration in 2017-18				
Garden Island Critical Infrastructure Recovery Project - Stage 1	NSW - Wentworth	1 March 2017	14 May 2017	Completed
LAND 155 Enhanced Gap Crossing Capability	Multiple	1 March 2017	5 May 2017	Completed
Russell Buildings R5 and R6 Infrastructure Upgrade	ACT - Fraser	1 March 2017	5 May 2017	Completed
HMAS <i>Moreton</i> Unit Relocation (previously known as Bulimba Barracks Partial Disposal and Unit Relocation) ^[2]	Qld - Griffith	30 March 2017	5 May 2017 & 28 July 2017	Completed
HMAS <i>Cerberus</i> Redevelopment	VIC - Hastings	22 June 2017	28 September 2017	Completed
JP2008 Phase 5 B2 – Ground Satellite Station (GSS)	Multiple	22 June 2017	15 September 2017	Completed
Explosive Ordnance Logistics Reform Program (EOLRP)	Multiple	22 June 2017	29 September 2017	Completed
Joint Health Command (JHC) Garrison Health Facilities Upgrade	Multiple	Late 2017/ Early 2018	Early 2018	In development
Navy Guided Weapons Sustainment System (NGWSS) Remediation and Augmentation	Multiple	Early 2018	Mid 2018	In development
JP157 Phase 1 Replacement Aviation Refueling Vehicles	Multiple	Early 2018	Early 2018	In development
JP2110 Phase 1B Chemical, Biological, Radiological and Nuclear Defence (CBRND) Capability Facilities ^[3]	Multiple	Early 2018	Mid 2018	In development
Defence Site Maribyrnong Remediation	Vic – Melbourne Ports	Late 2017	Early 2018	In development
Defence Science and Technology Group Edinburgh (DSTG EDN) Conference and Information Systems Centre	SA - Wakefield	Mid 2018	Mid 2018	In development
Garden Island Critical Infrastructure Recovery Project - Stage 2	NSW - Wentworth	Early 2018	Mid 2018	In development

Table 71: Program of Works Foreshadowed for Consideration and Approval (Continued)

	State/Electorate	Actual/Indicative PWC Referral Date	Actual/Indicative PWC Hearing Date ^[1]	Current Status
Major Capital Facilities Projects Foreshadowed for PWC Consideration in 2017-18 (Continued)				
P0007 Aircraft Pavement and Airfield Lighting at RAAF Base Pearce, Gin Gin, RAAF Base East Sale and Army Aviation Centre Oakey	Multiple	Mid 2018	Late 2018	In development
Point Wilson Waterside Infrastructure Redevelopment	VIC - Jagajaga	Early 2018	Early 2018	In development
Facilities to Support Naval Operations in the North	Multiple	Early 2018	Mid 2018	In development
Larrakeyah Barracks Redevelopment	NT - Solomon	Early 2018	Mid 2018	In development
F-35 Engine Test Cell 1 Upgrade	QLD - Blair	Late 2017/ Early 2018	Early 2018	In development
SEA1654 Maritime Operational Support Capability (MOSC)	Multiple	Late 2017/ Early 2018	Early 2018	In development
AIR 2025 Phase 6 Jindalee Operational Radar Networks (JORN)	Multiple	Mid 2018	Mid 2018/ Late 2018	In development

Notes

1. Hearing dates will be subject to the Committee's consideration and agreement.
2. HMAS *Moreton* Unit Relocation Project (previously known as J0126 Bulimba Barracks Partial Disposal and Unit Relocation) costs have increased and now exceed the medium works threshold. This project is now a major project.
3. JP2110 Phase 1B – Chemical, Biological, Radiological and Nuclear Defence (CBRND) Capability Facilities costs have increased and now exceed the medium works threshold. This project is now a major project.

Table 72: Medium Projects Foreshadowed for Consideration and Approval

	State/Electorate	PWC Notification	Current Status
Medium Projects Foreshadowed to Seek Approval in 2017-18			
SEA 1778 Ph1 - Deployable Mine Counter Measures	NSW - Wentworth	Early 2018	In development
RAAF Base Pearce - Upgrade of Potable Water Infrastructure	WA - Pearce	Early 2018	In development
LAND154 Phase 2 Stage 1 (Weapons Technical Intelligence) Joint Counter Improvised Explosive Device Capability	Multiple	Late 2018	In development
2CER Compensatory Hardstand within Gallipoli Barracks	Qld - Ryan	Mid 2018	In development
RAAF Base Amberley Sewerage Treatment Plant	Qld - Blair	Mid 2018	In development
Building 106 Extensions and Alterations, Environmental Test Facility Proof and Experimental Establishment	SA - Wakefield	Early 2018	In development
LAND154 Phase 2 Stage 2 (Force Protection Electronic Counter Measures) Joint Counter Improvised Explosive Device Capability	Multiple	Early 2018	In development
Upgrade to the Multi-Purpose Wharf at Twofold Bay, Eden	NSW - Eden Monaro	Early 2018	In development
Special Technical Facility (Capability Project)	Victoria	Early 2018	In development
RAAF Williamtown Childcare Centre (Sustainment Project)	NSW - Paterson	Early 2018	In development
Robertson Barracks Close Training Area (RBCTA) Post Acquisition (Sustainment Project)	NT - Lingiari	Mid 2018	In development
Dedicated Facilities for A COY 41 RNSWR in Tweed Heads	NSW - Richmond	Late 2019	In development
Combat Training Centre - Jungle Training (Tully) Replacement Stokes Litters and Suspension Bridge	Qld - Kennedy	25 May 2017	Completed
DSTO Fishermans Bend, Vic – Underwater Explosive Ordnance (EO) Test Facility	Vic – Melbourne Ports	15 June 2017	Completed
Proof and Experimental Establishment (P&EE) Vibration Test Facility - Port Wakefield	SA - Wakefield	17 August 2017	Completed
LAND 500 Phase 1 - Remediation of Tactical Land Electronic Warfare	Multiple	15 June 2017	Completed
DSTO Graytown Armour Testing Facility	Vic - Murray	15 June 2017	Completed
Land 9000 Chinook Configuration Alignment Program	QLD - Herbert	17 August 2017	Completed
Robertson Barracks Small Arms Range Project	NT - Lingiari	31 July 2017	Completed

Explanation of Projects

Information is as reported in the *PBS 2017–18*, except for the following revisions:

South Australia

Defence Science and Technology Group Edinburgh Conference and Information Systems Centre

This project will provide information and communications technology equipment facilities, and secure meeting, conference and training facilities. Subject to Government and Parliamentary approvals, construction is planned to commence in late 2018 and be complete by early 2020.

Cultana Training Area Redevelopment - Stage 2

This project will provide new infrastructure and facilities at the Cultana Training Area, to support ADF training activities. Subject to Government and Parliamentary approvals, construction is planned to commence in early 2020 and be complete by mid-2021.

Northern Territory

Larrakeyah Barracks Redevelopment

This project will provide new and/or refurbished facilities at Larakeyah Barracks. Subject to Government and Parliamentary approvals, construction is planned to commence in late 2018 and be complete by late 2022.

Naval Operations in the North

This project will provide new facilities to support naval operations, including berthing and fueling facilities. Subject to Government and Parliamentary approvals, construction is planned to commence in late 2018 and be complete by mid-2023.

Victoria

Point Wilson Waterside Infrastructure Redevelopment

This project will address deficiencies in the current waterside infrastructure at Point Wilson. Subject to Government and Parliamentary approval, construction is planned to commence in mid-2018 and be complete by mid-2021.

New South Wales

Garden Island (East) Critical Infrastructure Recovery Project (CIRP) – Stage Two

This project will address critical wharf infrastructure and engineering services risks at Garden Island (East), Sydney, NSW (excluding those being addressed under Stage One). Subject to Parliamentary approval, construction is planned to commence in late 2018 and be completed by mid-2024.

Navy Guided Weapons Maintenance Facilities Project

This project will provide facilities at Defence Establishment Orchard Hills to support maintenance of guided weapons. Subject to Government and Parliamentary approval, construction is planned to commence in late 2018 and be completed by early 2020.

Various Locations

Joint Health Command – Garrison Health Facilities Upgrade

This project will provide new and refurbished facilities at up to 12 Defence sites to support the efficient delivery of health services for the ADF. Subject to Government and Parliamentary approval, construction is planned to commence in mid-2018 and be complete by mid-2020.

Airfield Capital Works (RAAF Bases Pearce, Gin Gin, East Sale and Army Aviation Centre Oakey)

This project will provide aircraft pavement and aeronautical ground lighting maintenance works at RAAF Bases Pearce, Gin Gin, East Sale and Army Aviation Centre Oakey. Subject to Government and Parliamentary approvals, construction is planned to commence in mid-2018 and be complete by mid-2021.

JP2110 Phase 1B – Chemical, Biological, Radiological and Nuclear Defence (CBRND) Facilities

This project will provide new and refurbished facilities including training and storage facilities, to support ADF CBRND activities. Subject to Government and Parliamentary approvals, construction is planned to commence in early 2019 and be complete by mid-2019.

SEA1654 Phase 3 - Maritime Operational Support Capability (MOSC)

This project will provide upgraded facilities and infrastructure to support the introduction of a single class of Auxiliary Oiler Replenishment (AOR) vessel to replace the current ageing support ships HMAS *Success* and *Sirius* at HMAS *Stirling* (Fleet Base West), Randwick Barracks, Garden Island (Fleet Base East) and HMAS *Watson*. Subject to Parliamentary approvals, construction is planned to commence in mid-2018 and be completed by late 2020.

AIR2025 Phase 6 - Jindalee Operational Radar Networks (JORN)

This project will provide upgraded facilities and infrastructure to extend the Life of Type of the JORN capability to 2040 at Harts Range Receive and Transmit sites in the Northern Territory. Subject to Government and Parliamentary approvals, construction is planned to commence in mid-2018 and be completed by mid-2019.