

SECTION FIVE

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Table 5.1.1: Personnel Numbers By Group – 1998-99 Estimated Outcome

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
NAVY															
1 Star Officers and above	7	11	0	0	1	4	3	1	4	0	0	0	1	1	33
Senior Officers ⁽¹⁾	48	180	0	1	3	22	6	60	36	3	5	3	16	2	385
Officers	106	1,501	4	9	21	220	311	208	89	2	11	6	91	3	2,582
Other Ranks	108	8,880	25	8	186	268	10	505	33	4	39	13	582	5	10,666
Reserves	13	1,555	0	0	0	75	0	110	15	0	2	6	28	0	1,804
Total	282	12,127	29	18	211	589	330	884	177	9	57	28	718	11	15,470
ARMY															
1 Star Officers and above	11	0	20	0	1	5	1	4	1	0	1	1	0	0	45
Senior Officers ⁽¹⁾	85	0	211	2	10	78	5	76	22	3	16	12	21	3	544
Officers	161	3	2,896	24	20	400	467	307	44	6	23	34	169	3	4,557
Other Ranks	212	18	15,265	74	140	842	35	863	22	0	24	142	1,416	2	19,055
Reserves	209	0	24,681	0	1	10	0	965	0	0	0	0	234	0	26,100
Total	678	21	43,073	100	172	1,335	508	2,215	89	9	64	189	1,840	8	50,301
AIR FORCE															
1 Star Officers and above	7	0	0	17	1	4	0	2	4	0	0	0	0	1	36
Senior Officers ⁽¹⁾	50	1	3	199	8	55	6	63	48	3	9	15	12	4	476
Officers	90	3	17	2,109	23	460	321	281	182	2	45	96	175	2	3,806
Other Ranks	80	3	23	6,197	186	2,908	12	588	132	0	19	436	228	0	10,812
Reserves	0	0	0	1,617	0	125	0	299	0	0	0	0	22	0	2,063
Total	227	7	43	10,139	218	3,552	339	1,233	366	5	73	547	437	7	17,193
CIVILIANS															
Senior Executives	13	1	1	1	12	2	3	10	20	16	4	4	4	8	99
Senior Officers ⁽¹⁾	99	72	21	71	169	320	27	99	460	1,135	41	149	96	124	2,883
Others	123	438	935	287	664	4,220	94	1,442	766	944	305	452	2,863	215	13,748
Total	235	511	957	359	845	4,542	124	1,551	1,246	2,095	350	605	2,963	347	16,730
TOTAL DEFENCE	1,422	12,666	44,102	10,616	1,446	10,018	1,301	5,883	1,878	2,118	544	1,369	5,858	373	99,694
Trust Account Staff	0	0	0	0	0	0	0	0	0	0	0	0	89	0	89
TOTAL DEPARTMENT	1,422	12,666	44,102	10,616	1,446	10,018	1,301	5,883	1,878	2,118	544	1,369	6,047	373	99,783

Note1: Senior Officers are of Colonel or Lieutenant Colonel rank equivalent and Civilian Senior Officer Grades A, B & C.

Table 5.1.2: Personnel Numbers By Group - 1999-00 Budget Estimate

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
NAVY															
1 Star Officers and above	8	11	0	0	1	5	2	1	3	0	0	0	2	0	33
Senior Officers ⁽¹⁾	38	178	0	1	10	22	10	60	36	3	2	3	14	2	379
Officers	104	1,818	4	10	21	217	16	208	76	2	5	6	79	3	2,569
Other Ranks	129	9,307	32	32	181	222	14	504	25	4	17	10	87	5	10,569
Reserves	13	1,579	0	0	0	70	0	100	14	0	2	0	25	0	1,803
Total	292	12,893	36	43	213	536	42	873	154	9	26	19	207	10	15,353
ARMY															
1 Star Officers and above	10	0	21	0	1	4	1	4	1	0	1	1	0	0	44
Senior Officers ⁽¹⁾	75	0	194	2	9	79	5	63	32	6	10	8	22	3	508
Officers	127	3	3,234	12	19	360	25	226	62	7	16	17	135	1	4,244
Other Ranks	188	13	15,679	28	115	757	31	610	22	1	13	142	803	2	18,404
Reserves	209	0	25,428	0	1	10	0	967	0	0	0	0	235	0	26,850
Total	609	16	44,556	42	145	1,210	62	1,870	117	14	40	168	1,195	6	50,050
AIR FORCE															
1 Star Officers and above	8	0	0	14	2	4	0	2	3	0	0	0	0	0	33
Senior Officers ⁽¹⁾	60	1	3	225	7	36	6	57	44	4	6	12	12	3	476
Officers	103	3	17	2,540	29	291	16	285	146	7	43	47	105	2	3,634
Other Ranks	99	32	25	5,776	128	1,669	12	590	62	0	18	191	503	2	9,107
Reserves	0	0	0	1,605	0	122	0	294	0	0	0	0	21	0	2,042
Total	270	36	45	10,160	166	2,122	34	1,228	255	11	67	250	641	7	15,292
CIVILIANS															
Senior Executives	13	1	1	1	12	2	3	10	20	16	4	4	4	8	99
Senior Officers ⁽¹⁾	98	70	21	70	169	320	29	121	480	1,252	44	137	93	123	3,126
Others	132	433	926	318	747	4,032	123	1,309	893	1,000	302	437	2,467	226	13,246
Total	243	504	948	389	928	4,354	155	1,440	1,393	2,268	350	578	2,564	357	16,471
TOTAL DEFENCE	1,414	13,449	45,585	10,634	1,452	8,222	293	5,411	1,919	2,302	483	1,015	4,607	380	97,166
Trust Account Staff	0	0	0	0	0	0	0	0	0	0	0	0	89	0	89
TOTAL DEPARTMENT	1,414	13,449	45,585	10,634	1,452	8,222	293	5,411	1,919	2,302	483	1,015	4,696	380	97,255

Note1: Senior Officers are of Colonel or Lieutenant Colonel rank equivalent and Civilian Senior Officer Grades A, B & C.

AUSTRALIAN DEFENCE FORCE EXERCISE PROGRAM

Combined and joint exercises are conducted to meet ADF training and readiness requirements. Exercises contribute to a number of outputs and are important preparedness performance indicators; they also enhance joint expertise and interoperability with our allies. Listed below are the most significant combined and joint exercises. These planned exercises can be rescheduled, or cancelled, due to unplanned operations or financial considerations, often at short notice.

Table 5.2.1: Combined Exercises Involving the ADF and the Defence Forces of Other Countries

EXERCISE	FORCES	OBJECTIVE	DEFENCE OUTPUTS
Paradise 99 Jun-Jul 1999	<u>Australia</u> Navy, Air Force <u>Other Countries</u> Papau New Guinea	To improve interoperability by conducting an annual maritime surveillance exercise with the PNG Defence Force and RAN patrol boat elements.	1, 4, 17, 20
MCM Tri-Lateral Ex 99 Jun-Jul 1999	<u>Australia</u> Navy <u>Other Countries</u> Singapore, United States	To develop and evaluate RAN/RSN/USN interoperability in mine warfare, diving and explosive ordnance disposal operations.	1, 8, 20
Tamex Series Jul 1999 – Jun 2000	<u>Australia</u> Navy, Air Force <u>Other Countries</u> United States, New Zealand	To maintain proficiency in anti-submarine warfare operations in a combined basic air anti-submarine exercise with either RNZAF or USN, utilising RAN SSG.	1, 3, 5, 7, 17, 20
FCP Kakadu IV Jul-Aug 1999	<u>Australia</u> Navy, Air Force, <u>Other Countries</u> United States, New Zealand, Indonesia, Malaysia, Singapore, Papau New Guinea,	Biannual fleet concentration period to improve interoperability with regional defence forces in a concentrated training environment.	1, 3, 4, 5, 7, 8, 13, 17, 20
Chapel Gold Jul 1999	<u>Australia</u> Army <u>Other Countries</u> Thailand	To practise combined operations requiring interoperability at a tactical level with elements of the Thai Army.	11, 20
Cassowary Series Aug-Sep 1999; April 2000	<u>Australia</u> Navy, Air Force, <u>Other Countries</u> Indonesia	To improve interoperability in a biannual maritime surveillance exercise with Indonesia.	1, 4, 17, 19, 20
Stage Reco 99 Aug-Sep 1999	<u>Australia</u> Navy <u>Other Countries</u> France	French Pacific naval forces concentration period. Contribute to the development of interoperability with French Naval units.	1, 5, 20
Willoh 99-2 Aug 1999	<u>Australia</u> Air Force <u>Other Countries</u> New Zealand	To conduct combined Australian/NZ air to air/ground fighter operations and improve interoperability with the RNZAF.	1, 14, 16, 19, 20

EXERCISE	FORCES	OBJECTIVE	DEFENCE OUTPUTS
Swift Eagle 99 Aug 1999	<u>Australia</u> Army, Air Force <u>Other Countries</u> New Zealand	An exercise to test the Ready Deployment Force and logistics support in a short warning conflict in the Cape York Peninsula.	1, 11, 18, 19, 12
Thai Boomerang 99 Sep-Oct 1999	<u>Australia</u> Air Force <u>Other Countries</u> Thailand	To practise dissimilar air combat tactics with RTAF	1, 14, 20
IADS/Adex Series Sep 1999; Apr 2000	<u>Australia</u> Army, Air Force <u>Other Countries</u> United Kingdom, New Zealand, Singapore, Malaysia	To practise combined operations requiring interoperability at a tactical level in a Five Power Defence Arrangements Integrated Air Defence System environment.	1, 11, 13, 14, 15, 16, 19, 20
Stardex 99 Sep 1999	<u>Australia</u> Navy, Air Force <u>Other Countries</u> United Kingdom, New Zealand, Singapore, Malaysia	To practise and develop operational procedures and tactics with the Five Power Defence Arrangement units in a joint/combined maritime exercise.	1, 3, 4, 5, 7, 8, 20
Rajawali Ausindo 99-6 Sep-Oct 1999	<u>Australia</u> Air Force <u>Other Countries</u> Indonesia	Combined tactical airlift exercise to improve interoperability with Indonesian C130 forces.	1, 18, 20
Crocodile 99 Sep-Nov 1999	<u>Australia</u> Navy, Army, Air Force <u>Other Countries</u> United States	To exercise ADF elements in planning and conducting quadrennial combined and joint operations in the defence of Australia – formerly the Kangaroo series.	1, 3, 4, 5, 7, 8, 9, 10, 11, 12, 15, 20, 22
Elang Ausindo 99-6 Oct-Nov 1999	<u>Australia</u> Air Force <u>Other Countries</u> Indonesia	To improve relationships and develop interoperability between the RAAF and Indonesian Air Force by airman-to-airman discussions and air defence command post exercise with TNI-AU forces in a bilateral air training activity.	1, 16, 20
Suman Warrior Oct 1999	<u>Australia</u> Army <u>Other Countries</u> , United Kingdom, New Zealand, Malaysia, Singapore	To exercise the armies of the Five-Power Defence Arrangements in combined operations by conducting a brigade to unit-level Command Post exercise.	11,20
Fincastle 99 Oct 1999	<u>Australia</u> Air Force <u>Other Countries</u> United Kingdom, New Zealand, Canada	To compete for the annual Fincastle anti-submarine warfare competition and improve the interoperability of RAAF, RAF, RNZAF and CAF MPA crews	17, 20

EXERCISE	FORCES	OBJECTIVE	DEFENCE OUTPUTS
Albatros Ausindo 99-6/00-7 Nov-Dec 1999; Apr-Jun 2000	<u>Australia</u> Air Force <u>Other Countries</u> Indonesia	To conduct effective combined maritime air surveillance exercise with Indonesian Air Force in Timor Gap zone of cooperation to develop closer working ties between the RAAF and Indonesian forces.	1, 17, 19, 20
Dugong 99 Nov 1999	<u>Australia</u> Navy, Air Force <u>Other Countries</u> United States	To test and evaluate RAN/US interoperability in diving and explosive ordnance disposal operations.	1, 8, 20
Shortscope 99 Nov 1999	<u>Australia</u> Navy, Air Force <u>Other Countries</u> United States	To enhance interoperability between Australian and US personnel through mine countermeasures vessels training exercise.	1, 8, 20
Trisetia Nov 1999	<u>Australia</u> Army <u>Other Countries</u> Indonesia	To practise combined operations requiring interoperability at a tactical level with elements of the Indonesian Army.	11,20
Day Tiger Nov 1999	<u>Australia</u> Army <u>Other Countries</u> Malaysia	To conduct training to develop Malaysian Special Forces counter-hijack capability.	10
Night Tiger Nov 1999	<u>Australia</u> Army <u>Other Countries</u> Malaysia	To conduct combined training to develop interoperability at the tactical level with Malaysian Special Forces.	10, 20
Lungfish 99 Dec 1999	<u>Australia</u> Navy, Air Force <u>Other Countries</u> United States	To practise anti-submarine warfare, with joint and independent Maritime Patrol aircraft cooperation and to practise and develop combined RAN/USN submarine operations.	1, 5, 17, 20
Tasman Reserve Jan-Feb 2000	<u>Australia</u> Army <u>Other Countries</u> New Zealand	To practise combined operations at the tactical level between part-time elements of the Australian and New Zealand Armies.	11, 20
Matakirea 2000 Feb-Mar 2000	<u>Australia</u> Navy, Air Force <u>Other Countries</u> New Zealand	This New Zealand led major combined/joint exercise based on a United Nations sponsored peace enforcement operation will exercise operational and tactical levels in air, maritime and amphibious operations.	1, 3, 7, 13, 14, 16, 17, 20
FCP 00-1 Feb 2000	<u>Australia</u> Navy, Air Force <u>Other Countries</u> New Zealand	Biannual RAN fleet concentration period to allow RAN units to achieve MLOC. RAAF units provide air support and also gain valuable mutual training benefits.	1, 3, 7, 13, 17, 20
Gunrunner 2000 Feb-Mar 2000	<u>Australia</u> Air Force, <u>Other Countries</u> New Zealand	To practise land strike, weapons effect planning and tactical reconnaissance training (with conjoint operations with RNZAF A-4 when possible) with the NZ Defence Force.	1, 13, 20

EXERCISE	FORCES	OBJECTIVE	DEFENCE OUTPUTS
Gold Eagle Feb-Mar 2000	<u>Australia</u> Army <u>Other Countries</u> United States	To practise combined operations requiring interoperability at a tactical level with elements of the US Marine Corps.	11, 20
Tasmanex 2000 Mar 2000	<u>Australia</u> Army, Air Force <u>Other Countries</u> New Zealand	To further develop interoperability between Australian-New Zealand Army sub-units.	1, 11, 12, 20, 22
Axolotl 00 Mar 2000	<u>Australia</u> Navy <u>Other Countries</u> Singapore	To develop and evaluate RAN/RSN interoperability in diving and explosive ordnance disposal operations.	1, 8, 20
Pacific Bond Mar 2000	<u>Australia</u> Army <u>Other Countries</u> United States	To practise combined operations requiring interoperability at a tactical level with elements of the US Army.	11,20
Day Panther Mar 2000	<u>Australia</u> Army <u>Other Countries</u> Thailand	To conduct training to develop Thailand's Counter Terrorist Operations Command counter-hijack capability.	10, 20
Tricrab 00 Apr-May 2000	<u>Australia</u> Navy <u>Other Countries</u> United States, Singapore	To test and evaluate RAN/USN/RSN interoperability in diving and explosive ordnance disposal operations.	1, 8, 20
Bullseye 00 April 2000	<u>Australia</u> Air Force <u>Other Countries</u> United Kingdom, New Zealand, Canada	Tactical airlift exercise to assess tactical air navigation, airdrop and air-land procedures and tactics in a competitive format.	1, 18, 19, 20
Flying Fish 00 Apr-Jun 2000	<u>Australia</u> Navy, Air Force <u>Other Countries</u> United Kingdom, New Zealand, Singapore, Malaysia	To contribute to the maintenance of the Five Power Defence Arrangements maritime and air defence capabilities through a combined Five Power Defence Arrangements maritime and air defence exercise.	1, 15, 16, 17, 19, 20
Rimpac 00 May-Jul 2000	<u>Australia</u> Navy, Air Force, <u>Other Countries</u> United States, Canada, South Korea, Chile, Japan	Enhance interoperability and proficiency of maritime and air forces to operate in coalition arrangements centred on realistic short warning littoral operations.	1, 3, 5, 7, 8, 17, 20
New Horizon May 2000	<u>Australia</u> Air Force <u>Other Countries</u> Indonesia	To enhance interoperability with Indonesian Navy in a combined maritime training exercise.	1, 3, 4, 17, 20

EXERCISE	FORCES	OBJECTIVE	DEFENCE OUTPUTS
Maple Flag 2000 May-Jul 2000	<u>Australia</u> Air Force <u>Other Countries</u> United Kingdom, United States, Canada	To improve interoperability through a multi-national, large package strike and air defence training exercise.	1, 13, 14, 16, 19, 20
Hunter 00 Jun 2000	<u>Australia</u> Navy <u>Other Countries</u> Singapore	To develop and evaluate RAN/RSN interoperability in Mine Warfare Operations.	1, 8, 20
Penguin 00 Jun-Jul 2000	<u>Australia</u> Navy, Air Force <u>Other Countries</u> Brunei	To enhance interoperability with the RBN in a combined maritime training exercise.	1, 4, 20
Extendex Series Jul 1999 - Jun 2000	<u>Australia</u> Air Force <u>Other Countries</u> United States	To conduct anti-submarine warfare training and increase interoperability for RAAF and USN P3C crews. Timings for these exercises vary depending on aircraft and submarine availability.	1, 5, 17, 19, 20
Fleet Ex date TBA	<u>Australia</u> Air Force <u>Other Countries</u> United States	To conduct anti-submarine and anti-surface warfare training with major USN units. The exercise will be conducted in the San Diego operating areas.	17, 20
Joint Task Force Fleet Exercise 99-1 date TBA	<u>Australia</u> Air Force <u>Other Countries</u> United States	To conduct realistic anti-submarine and anti-surface warfare training with a USB Carrier Battle Group.	17, 20
JMSDF Passex date TBA	<u>Australia</u> Navy, Air Force <u>Other Countries</u> Japan	To enhance interoperability between Australian and Japanese personnel.	17, 20

Table 5.2.2: Joint Exercises involving at least two of the Navy, Army and Air Force

EXERCISE	FORCES	OBJECTIVE	DEFENCE OUTPUTS
Beachcomber 99 July 1999	Navy Army	To continue assessment, survey and validation of potential landing sites on Australian coastline for amphibious landings.	2, 6, 8, 9
Samichon Eagle July 1999	Army Air Force	To test the readiness of a selected Land Command unit to defeat attacks on Australia.	11
Maritime Guard 99 Aug-Sep 1999	Navy Air Force	To exercise over-the-horizon detection/tracking, command and control and reporting.	1, 2, 3, 4, 5, 7, 16, 17, 18
Aswex 99 Nov 1999	Navy Air Force	To conduct combined annual anti-submarine warfare exercise involving air, surface and submarine assets.	1, 3, 17, 20
Dusk Series Nov 1999	Navy Army Air Force	To exercise the oncoming Special Recovery Squadron at the completion of hand-over training.	10
Day Anchor Jan 2000	Navy Army	To practise special recovery techniques involving ships at anchor.	10
Sea Snake Between Jan-Jun 2000	Navy Army Air force	To test the readiness of a selected Land Command sub-unit to defeat attacks on Australia.	11
Pegasus Moon Feb-Mar 2000	Army Air Force	To maintain Special Forces insertion techniques utilising the parachute capability.	10
Platypus Moon Feb-Mar 2000	Navy Army Air Force	To develop submarine insertion, extraction and rendezvous techniques with Special Forces using parachute load follow techniques into water.	1, 5, 10
Prowler 00 Mar 2000	Navy Army	To gather tactical level information on peace time activities in the North Australia area.	4, 9, 21, 22
Initial Landing 00 Mar 2000	Navy Army	Train forces in amphibious operational planning, embarkation drills, basic amphibious procedures and logistics over-the-shore operations in a structured exercise scenario.	1, 8, 9, 11
Day Bubble 00 Mar 2000	Navy Army	To exercise ADF ground and naval elements in amphibious/maritime counter terrorist operations	1, 4, 5, 21
Arnhem 00-01 May 2000	Army Air Force	ADF readiness test for parachute company group.	11,18

OPERATIONS TO MAINTAIN INTERNATIONAL PEACE AND SECURITY

Australia's approach to peace operations is set out in the paper on *Peacekeeping Policy: The Future Australian Defence Force Role*, which was issued by the then Minister for Defence in June 1993. In recent years, the primary focus has been on regional defence cooperation in the form of individual, expert assistance to promote regional security and stability by developing the capacity to work with regional countries to confront future security challenges. Regional cooperation also extends to providing assistance in humanitarian operations. ADF involvement in these operations supports the maintenance of a secure regional environment, better positions the ADF for successful operation and shapes Australia's strategic security environment, through the development and maintenance of effective international relationships, and management of overseas deployments.

The ADF is currently undertaking a number of peace operations following Government tasking. These operations are listed in the following table.

Table 5.3.1: Operations to Maintain Peace and Security

Operation MAZURKA	1993 – continuing	26 Army personnel
Outcome: To provide staff and administrative support to the Multinational Force and Observers, which ensures compliance with the Camp David peace accord between Egypt and Israel.		
Operation BANNER	1993 – continuing	2 Army personnel
Outcome: Conduct training and provide technical advice to the Cambodian Mine Action Centre on the detection and clearance of land mines.		
Operation BEL ISI II	May 1998 – continuing	Approx 230 ADF and 5 Defence civilians
Outcome: To support the Peace Monitoring Group in monitoring and reporting on the maintenance of the cease-fire on Bougainville.		
Operation BLAZER	1991 – continuing	2 Army personnel 1 Air Force personnel
Outcome: To identify the locations and inspect and oversee the destruction of Iraqi weapons of mass destruction.		
Operation CORACLE	1994-continuing	2 Army personnel
Outcome: To conduct training and provide technical advice to the Accelerated Demining Program Mozambique, on the detection and clearance of land mines.		
Operation OSIER	March 1997- continuing	9 Army personnel 1 Air Force personnel
Outcome: To provide staff appointments with the UN-mandated NATO Stabilisation Force in Bosnia to ensure compliance with the Joint Agreement for peace in Bosnia and Herzegovina.		

Operation PALADIN	1956-continuing	1 Major General Chief of Staff and 12 Army Military Observers
Outcome: To act as part of a UN Truce Supervisory Organisation to oversee the various cease-fire agreements, truces and peace treaties that have been negotiated since 1948 between Israel and Arab nations.		
Operation DAMASK	May-August 1999	1 Navy Guided Missile Frigate
Outcome: To contribute to the Maritime Interception Force enforcing UN sanctions against Iraq.		

Table 5.3.2: Cost of Operations

DEPLOYMENT		1998-99 Estimated Actual \$m	1999-2000 Budget Estimate \$m
MFO-Sinai (MAZURKA)	Gross Cost	2.620	2.011
	Recoveries	-1.075	-0.498
	Supplementation	1.003	0.000
	Net Cost	1.905	1.513
SUPPORT TO CMCA IN CAMBODIA (OPERATION BANNER)	Gross Cost	0.112	0.112
	Recoveries	0.000	0.000
	Supplementation	0.000	0.000
	Net Cost	0.112	0.112
PNG-BELISI II (Peacekeeping in Bougainville)	Gross Cost	23.018	18.324
	Recoveries	-0.444	-0.414
	Supplementation	0.000	0.000
	Net Cost	22.574	17.910
UNSCOM-Iraq (BLAZER)	Gross Cost	0.081	0.064
	Recoveries	0.000	0.000
	Supplementation	0.000	0.000
	Net Cost	0.081	0.064
ONUMOS-Mozambique (CORACLE)	Gross Cost	0.167	0.167
	Recoveries	0.000	0.000
	Supplementation	0.000	0.000
	Net Cost	0.167	0.167
SFOR-Bosnia (OSIER)	Gross Cost	0.405	0.405
	Recoveries	0.000	0.000
	Supplementation	0.000	0.000
	Net Cost	0.405	0.405
UNTSO-Israel (PALADIN)	Gross Cost	2.205	2.205
	Recoveries	0.000	0.000
	Supplementation	0.000	0.000
	Net Cost	2.205	2.205

DEPLOYMENT		1998-99	1999-2000
		Estimated Actual	Budget Estimate
		\$m	\$m
OPERATION DAMASK 9 ⁽¹⁾	Gross Cost	1.378	5.514
	Recoveries	0.000	0.000
	Supplementation	0.000	0.000
	Net Cost	1.378	5.514
UNHQ New York (Secondments to UN Headquarters) ⁽²⁾	Gross Cost	0.722	0.722
	Recoveries	0.000	0.000
	Supplementation	0.000	0.000
	Net Cost	0.722	0.722
TOTAL	Gross Cost	36.098	29.524
	Recoveries	-3.374	-0.912
	Supplementation	0.360	0.000
	Net Cost	33.084	28.612

Notes:

1. The Gross Cost of Operation DAMASK 9 (\$1.398m in 1998-99 and \$5.514m in 1999-2000) represents the estimated additional cost of the task, noting the majority of those costs will be offset or absorbed by adjustments to other programmed activities.
2. Expenditure figures for those activities that are funded from within individual Group allocations are estimates only, as the data on small activities are not captured separately from other operational activities.

DEFENCE COOPERATION

Table 5.4: Current and Planned Defence Cooperation Activities

	1998-99 Budget Estimate (\$m)	1998-99 Estimated Actual (\$m)	1999-2000 Budget Estimate (\$m)
Cash Figures			
PAPUA NEW GUINEA			
<u>Personnel</u> Australian personnel assistance in PNG (1999-00: 27), including support for public works engineering projects, communications, technical and training management, ADF members integrated into the PNGDF to assist in technical and training functions; and the attachment of PNGDF personnel in Australia (1999-00: 3).	7.103	6.306	6.123
<u>Projects</u> Projects completed in 1998-99 includes, assistance to the PNG police, assistance to the Bougainville peace process, rations support to PNGDF messes, and refits for two PNGDF Landing Craft Heavy. In 1999-00, projects will be managed under the New Defence Partnership program structure and will include assistance with strategic planning, force development, maritime security, military justice, and PNGDF mobility.	2.900	4.168	0.600
<u>Training and Study Visits</u> Training provided by Australia to support the competence and professionalism of PNG personnel in military skills and technical areas. Training conducted in Australia (1999-00:70) includes Joint and single-Service Staff Colleges; Navy professional officer and technical courses; Army infantry officer courses; non-commissioned officer courses; technical trade training; medical and engineering training. Training conducted in-country in PNG includes technical and specialist courses. DC also provides supplementary support to maritime and land exercises.	5.902	4.594	3.561
TOTAL PAPUA NEW GUINEA	15.905	15.068	10.284
SOUTH PACIFIC REGION			
VANUATU			
<u>Personnel</u> Personnel attached to the Vanuatu Police/Mobile Force (1999-00: 6) to advise on communications, maritime surveillance operations, Pacific Patrol Boat (PPB) technical support and training.	1.099	1.214	1.413
<u>Projects</u> Includes construction of a Joint Force Headquarters, communications and maritime exercise assistance to the Vanuatu Police/Mobile Force.	1.636	1.476	0.668

Cash Figures	1998-99 Budget Estimate (\$m)	1998-99 Estimated Actual (\$m)	1999-2000 Budget Estimate (\$m)
<u>Training and Study Visits</u>			
Technical and professional development training for Vanuatu Police/Mobile Force personnel in Australia (1999-00: 20), in-country training and study visits.	0.225	0.362	0.460
TOTAL VANUATU	2.960	3.052	2.541

SOLOMON ISLANDS			
<u>Personnel</u>			
Personnel attached to the Royal Solomon Islands Police Force (1999-00: 7) to advise on PPB technical support, communications, administration, logistics, human resources; and maritime surveillance operations.	0.506	0.778	1.517
<u>Projects</u>			
Includes, police communications, health deployment, facilitation and implementation of a Strategic Review, PPB operations and minor projects.	0.339	0.721	0.532
<u>Training and Study Visits</u>			
Technical and professional training for Royal Solomon Islands Police Force personnel in Australia (1999-00: 25) and study visits.	0.437	0.394	0.300
TOTAL SOLOMON ISLANDS	1.282	1.893	2.349

TONGA			
<u>Personnel</u>			
Personnel attached to the Tonga Defence Service (1999-00: 4) to advise on communications, PPB technical support, maritime surveillance operations, and construction management.	0.564	0.632	0.688
<u>Projects</u>			
Includes communications, redevelopment of Taliai barracks and Tonga Defence Service Naval Base, and support for PPB operations.	1.132	1.073	1.172
<u>Training and Study Visits</u>			
Training in Australia (1999-00: 20), including Navy professional and Army technical training and visits to Australia.	0.276	0.612	0.609
TOTAL TONGA	1.972	2.317	2.469

SAMOA			
<u>Personnel</u>			
Personnel attached to the Samoa Police Force (1999-00: 2) to advise on maritime surveillance operations and PPB technical support.	0.375	0.369	0.343
<u>Projects</u>			
Communications and support for PPB operations.	0.150	0.190	0.120

Cash Figures	1998-99 Budget Estimate (\$m)	1998-99 Estimated Actual (\$m)	1999-2000 Budget Estimate (\$m)
Training and Study Visits			
Training in Australia (1999-00: 4) and study visits.	0.072	0.072	0.030
TOTAL SAMOA	0.597	0.631	0.493

KIRIBATI			
<u>Personnel</u>			
Personnel attached to the Kiribati Police Force (1999-00: 3) to advise on maritime surveillance operations and PPB technical support.	0.390	0.433	0.504
<u>Projects</u>			
Communications and support for PPB operations.	0.190	0.187	0.190
<u>Training and Study Visits</u>			
Training in Australia (1999-00: 3) and study visits.	0.047	0.057	0.048
TOTAL KIRIBATI	0.627	0.677	0.742

COOK ISLANDS			
<u>Personnel</u>			
Personnel attached to the Cook Islands Police Force (1999-00: 1) to advise on maritime surveillance operations and PPB technical support.	0.270	0.292	0.205
<u>Projects</u>			
Support for PPB operations.	0.101	0.148	0.210
<u>Training and Study Visits</u>			
Study visits.	0.011	0.011	0.039
TOTAL COOK ISLANDS	0.382	0.451	0.454

FIJI			
<u>Personnel</u>			
Personnel attached to the Royal Fiji Military Force (1999-00: 7) to advise on maritime surveillance operations, construction engineering and officer and non-commissioned officer training.	1.028	1.072	1.037
<u>Projects</u>			
Includes construction of Royal Fiji Military Force training and support facilities.	0.720	0.628	1.190
<u>Training and Study Visits</u>			
Training in Australia for Fiji personnel (1999-00: 75) including officer training at Joint and single-Service Staff Colleges, career development courses at all levels, and policy/study visits.	2.036	1.729	1.756
TOTAL FIJI	3.784	3.429	3.983

Cash Figures	1998-99 Budget Estimate (\$m)	1998-99 Estimated Actual (\$m)	1999-2000 Budget Estimate (\$m)
MARSHALL ISLANDS			
<u>Personnel</u> Personnel attached to the Republic of the Marshall Islands Sea Patrol (1999-00: 3) to advise on maritime surveillance operations and PPB technical support.	0.513	0.597	0.717
<u>Projects</u> Support for PPB operations.	0.020	0.000	0.050
<u>Training and Study Visits</u> Training in Australia for Marshall Islands personnel (1999-00: 3) and study visits.	0.020	0.021	0.036
TOTAL MARSHALL ISLANDS	0.553	0.618	0.803
FEDERATED STATES OF MICRONESIA			
<u>Personnel</u> Personnel attached to the Federated States of Micronesia Maritime Patrol (1999-00: 3) to advise on maritime surveillance operations and PPB technical support.	0.525	0.601	0.622
<u>Projects</u> Support for PPB operations.	0.030	0.063	0.063
<u>Training and Study Visits</u> Training in Australia on courses for Federated States of Micronesia personnel (1999-00: 3) and study visits.	0.110	0.087	0.087
TOTAL FEDERATED STATES OF MICRONESIA	0.665	0.751	0.772
TUVALU			
<u>Personnel</u> Personnel attached to the Tuvalu Police Force (1999-00: 3) to advise on maritime surveillance operations and PPB technical support.	0.383	0.419	0.452
<u>Projects</u> Support for PPB operations.	0.180	0.480	0.170
<u>Training and Study Visits</u> Training in Australia (1999-00: 3) and study visits.	0.057	0.047	0.038
TOTAL TUVALU	0.620	0.946	0.660
PALAU			
<u>Personnel</u> Personnel attached to the Palau Police Force (1999-00: 3) to advise on maritime surveillance operations and PPB technical support.	0.473	0.647	0.641
<u>Projects</u> Support for PPB operations and advisor housing.	0.020	0.045	0.150
<u>Training and Study Visits</u> Training in Australia (1999-00: 2) and study visits	0.042	0.017	0.047
TOTAL PALAU	0.535	0.709	0.838

Cash Figures	1998-99 Budget Estimate (\$m)	1998-99 Estimated Actual (\$m)	1999-2000 Budget Estimate (\$m)
MULTILATERAL PROGRAM - SOUTH PACIFIC			
<u>Personnel</u> Personnel attached to the South Pacific Forum Fisheries Agency (1999-00: 1.75) to advise on fisheries surveillance issues.	0.574	0.689	0.334
<u>Projects</u> Continuation of PPB half-life refit program. Ongoing provision of logistics and technical support to all PPB recipient countries. Provision of support staff and other minor projects.	6.891	6.249	6.200
<u>Training and Study Visits</u> Includes policy discussions, visits and seminars with South Pacific countries and follow on training at the Australian Maritime College (1999-00: 170) to support all PPB recipients. Coordination of Australian DC/NZ Mutual Assistance Program and US International Military Education and Training Programs.	3.865	3.153	3.256
TOTAL MULTILATERAL PROGRAM – SOUTH PACIFIC	11.330	10.091	9.790
TOTAL SOUTH PACIFIC REGION	25.307	25.565	25.894

SOUTH EAST ASIA AND INDOCHINA			
MALAYSIA			
<u>Personnel</u> Attachments of ADF personnel to the Royal Malaysian Armed Forces (1999-00: 13) to assist with the development of its capabilities, and a program of exchanges/attachments of Malaysian personnel (1999-00: 10) to various Navy, Army and other Defence units and establishments in Australia.	2.539	2.236	1.579
<u>Projects</u> Assistance for Malaysia's development of Defence financial management, training technology, equipment operation, logistic support and acquisition activities, Army helicopter assets, food science and vehicle trials.	0.220	0.290	0.460
<u>Training and Study Visits</u> Training in Australia for Malaysian personnel (1999-00: 120) including Joint and single-Service Staff Colleges; Navy navigation officer, training technology and hydrography; Army corps training for officers and non-commissioned officers, officer cadet, instructor development, explosive ordnance disposal and technical training; Air Force engineer, air traffic controller, navigator instructor, supply management instructor and technical/trade training. The combined Exercise Southern Tiger, a biennial exercise held at battalion level, took place in 1997-98.	3.067	3.117	4.357
TOTAL MALAYSIA	5.826	5.643	6.396

Cash Figures	1998-99 Budget Estimate (\$m)	1998-99 Estimated Actual (\$m)	1999-2000 Budget Estimate (\$m)
THAILAND			
<u>Personnel</u> Australian personnel assistance in Thailand (1999-00: 2) including provision of a Defence science advisor to the Thai Defence Research and Development Organisation to advise on a range of Defence science and capability planning issues and, the attachment of an English language adviser to the Defence Section, Bangkok, to assist the Thai military in the development of English language programs.	0.180	0.217	0.350
<u>Projects</u> Assistance for the development of defence management and capability planning, financial management, logistics, English language, and defence science and technology.	0.320	0.210	0.080
<u>Training and Study Visits</u> Training in Australia for Thai personnel (1999-00: 100) including Joint and single-Service Staff Colleges, Navy, Army and Air Force training for officers and non-commissioned officers, combat instructor and special forces group training, and technical training. Visits by Thai officers to study defence management, naval logistics and commercialisation.	3.616	3.626	4.170
TOTAL THAILAND	4.116	4.053	4.600

INDONESIA			
<u>Personnel</u> Advisory assistance to the Indonesian Navy on Nomad aircraft maintenance (1999-00: 3); English language advisor support to the Indonesian Armed Forces central language training school(1999-00:1); attachments to the Indonesian Air Force and Navy Staff Colleges and reciprocal attachments of Indonesian Navy and Air Force Officers in Australia (1999-00: 2).	1.548	1.406	1.830
<u>Projects</u> Cooperative assistance in logistics and science projects. Special project on adapting globalisation: CDF-Pangab Forum on roles of the military, Y2K computer crisis, and higher level management.	0.200	0.210	0.472
<u>Training and Study Visits</u> Training in Australia (1999-00: 100) for Indonesian personnel including: Joint and single-Service Staff Colleges, postgraduate tertiary studies, English language training, maritime/air surveillance, maritime/air surveillance, Navy navigation, submarine escape and technical training, Army corps training for officers, instructor development, Air Force technical training and combined exercises. Collective Army training in Indonesia and visits to Australia and in-country. Regular senior level visits in both directions	4.002	4.580	5.587
TOTAL INDONESIA	5.750	6.196	7.889

Cash Figures	1998-99 Budget Estimate (\$m)	1998-99 Estimated Actual (\$m)	1999-2000 Budget Estimate (\$m)
PHILIPPINES			
<u>Personnel</u> Attachment of an ADF officer (1999-00: 1) to facilitate development and implementation of Defence Cooperation activity initiatives; attachments of Philippines armed forces personnel (1999-00: 2) for doctrine development in Australia and short term Australian Army attachments in the Philippines.	0.452	0.425	0.182
<u>Training and Study Visits</u> Training in Australia for Philippines Armed Forces personnel (AFP) (1999-00: 120) including Joint and single-Service Staff Colleges; postgraduate tertiary studies, officer professional development, and Services trade and technical training. Visits to Australia to examine ADF logistics, doctrine, strategic and force structure planning, equipment procurement and training systems.	4.508	4.196	5.654
TOTAL PHILIPPINES	4.960	4.621	5.836
SINGAPORE			
<u>Training and Study Visits</u> Support for attendance by Singapore Armed Forces personnel (1999-00: 5) at Joint and single-Service Staff Colleges, and officer cadet training at ADFA and Duntroon. Cooperation with the Singapore Armed Forces Command and Staff College, policy visits in-country and study visits to Australia.	0.750	0.750	0.747
TOTAL SINGAPORE	0.750	0.750	0.747
VIETNAM			
<u>Projects</u> Assistance to Vietnam with English language training and malaria research	0.267	0.267	0.360
<u>Training and Study Visits</u> Training in Australia (1999-00:4) including Joint Staff College and postgraduate tertiary studies and visits associated with Defence Cooperation projects	0.216	0.346	0.551
TOTAL VIETNAM	0.483	0.613	0.911
OTHER INDOCHINA			
<u>Personnel</u> Provision of personnel support (1999-00: 1) for the attachment of an English language advisor to the Royal Cambodian Armed Forces English Language School in Phnom Penh.	0.276	0.236	0.195

Cash Figures	1998-99 Budget Estimate (\$m)	1998-99 Estimated Actual (\$m)	1999-2000 Budget Estimate (\$m)
<u>Projects</u> In Cambodia, includes Higher Defence Management Assistance, English Language training project and, a health assistance project. Assistance to Laos with English language training.	0.060	0.150	0.160
<u>Training and Study Visits</u> Training in Australia (1999-00: 4) including Joint Staff College and postgraduate tertiary studies and visits associated with Defence Cooperation projects.	0.166	0.116	0.124
TOTAL CAMBODIA	0.502	0.502	0.479
TOTAL SOUTH EAST ASIA AND INDOCHINA	22.387	22.378	26.858

OTHER REGIONAL ACTIVITIES			
<u>Training and Study Visits</u> Training in Australia (1999-00: 8) for other Asian personnel including Joint and a single-Service Staff Colleges; multilateral peacekeeping seminars, study visits and support for multilateral training related activities.	1.612	1.548	1.663
<u>Defence Regional Cooperation</u> Provision for new regional cooperation initiatives with Asian countries.	2.089	0.468	1.237
TOTAL OTHER REGIONAL ACTIVITIES	3.701	2.016	2.900

FACILITIES FOR TRAINING IN AUSTRALIA (SPECIAL PROJECTS)			
<u>Training Support Equipment</u> Items of training equipment for Service schools in Australia in support of Defence Cooperation training.	0.103	0.103	0.103
TOTAL FACILITIES FOR TRAINING IN AUSTRALIA (SPECIAL PROJECTS)	0.103	0.103	0.103

DISCRETIONARY GRANTS

Table 5.5: Discretionary Grants

Title of Grant Program	Total Grants 1999-2000 \$m
Army Military History Research Grants Scheme	0.05
Defence Family Support Funding Program	1.25
Grant to the Royal United Services Institute	0.09
Total	1.39

Army Military History Research Grants Scheme

The Army Military History Research Grants Scheme supports and encourages research into the role and involvement of the Army in the development of the nation.

Defence Family Support Funding Program

This program provides funds to support projects and services initiated by Defence families. It is also available to existing groups in the community composed of, or benefiting, Defence families.

Grant to the Royal United Services Institute

This grant provides assistance to the Royal United Services Institute in publishing Defence articles in their biennial journal and in their sponsorship of lectures and seminars on strategic and national defence issues. Numerous Defence personnel attend these seminars. The Grant contributes to enhanced public awareness of Australian defence and security issues. The Grant also provides assistance for the establishment of a National Secretariat that should position them to be financially independent by around 2003.

CAPITAL FACILITIES EXPENDITURE BY ELECTORATE

The following pages provide details of estimated expenditure on works in progress and new works in the Defence Capital Facilities Program for 1999-2000. The table provides details of both major and medium projects by State, Federal Electorate and location.

Table 5.6: All Major and Medium Capital Projects, Estimated 1999-2000 Expenditure.

PROGRAM OF WORKS (State, Federal Electorate and Locality)	Total Estimated Cost \$'000	Estimated Cash to 30 June 1999 \$'000	Budget Estimate 1999-2000 \$'000
QUEENSLAND			
BRISBANE – Major Works			
<i>Enoggera – Catering Rationalisation *</i>	15,000	0	6,500
BRISBANE - Medium Works			
<i>Enoggera – 1 Topographic Survey Squadron</i>	3,600	10	3,590
CAPRICORNIA - Medium Works			
<i>Shoalwater Bay – Access Improvements *</i>	1,503	643	860
<i>Shoalwater Bay - Small Arms Range Development</i>	2,132	500	1,632
<i>Rockhampton – Develop of Base Admin Support Centre</i>	4,860	100	1,500
<i>Rockhampton – Construction of Deployment Facility</i>	2,780	50	1,580
DICKSON – Medium Works			
<i>Pine Rivers – Construction of Army Multi User Depot</i>	4,075	0	1,000
GROOM – Medium Works			
<i>Oakey – Hangar Fire Suppression</i>	4,900	2,820	1,900
HERBERT – Major Works			
<i>Townsville – Construct Facilities for Black Hawks</i>	22,132	21,384	2,000
<i>Townsville – Redevelopment of Lavarack Barracks St. 2</i>	139,308	1,300	27,700
<i>Townsville – Redevelopment RAAF Base Stage 1</i>	70,100	20	2,000
LEICHHARDT - Major Works			
<i>Cairns – Facilities for 51 Far North Queensland Regiment</i>	22,517	3,678	17,700
LEICHHARDT - Medium Works			
<i>Cairns – Hydro Ships Facility *</i>	5,000	0	2,000
OXLEY – Major Works			
<i>Amberley – Redevelopment of RAAF Base</i>	77,400	5,000	30,000
TOTAL QUEENSLAND	375,307	35,505	99,962
NEW SOUTH WALES			
EDEN-MONARO – Major Works			
<i>Two Fold Bay – Eden Naval Ammunitioning Facilities</i>	67,000	580	3,580
GILMORE – Major Works			
<i>HMAS Albatross – Redevelopment of Naval Base</i>	110,000	5,500	44,634
GILMORE – Medium Works			
<i>HMAS Albatross – Advance Works</i>	3,700	100	3,600
<i>HMAS Albatross – Construct Childcare Facility</i>	1,500	1,158	342
<i>HMAS Albatross – Fire Station and Trial Unit</i>	3,700	1,500	2,200
HUGHES – Medium Works			
<i>Holsworthy – Project Javelin Facilities Construction *</i>	2,000	0	2,000
<i>Moorebank – Construct Messing and Accom Facilities *</i>	4,000	0	1,000
LINDSAY - Medium Works			
<i>Penrith – Construction of Army Multi User Depot</i>	4,460	0	2,000

PROGRAM OF WORKS (State, Federal Electorate and Locality)	Total Estimated Cost \$'000	Estimated Cash to 30 June 1999 \$'000	Budget Estimate 1999-2000 \$'000
MACQUARIE - Medium Works			
RAAF Richmond – Fuel Farm Refurbishment *	3,000	0	3,000
PATTERSON - Major Works			
RAAF Williamtown - Eastern Regional Operations Centre	18,000	900	16,472
PATTERSON - Medium Work			
RAAF Williamtown - Facilities for Lead-In Fighter	3,500	290	3,210
RAAF Williamtown - Approach Control Facility	550	100	450
RAAF Williamtown - LIA Amenities Upgrade	675	290	385
RIVERINA - Medium Works			
Kapooka – Develop Zeroing Range *	1,500	0	1,500
Kapooka - Common Instruction Training Facilities	5,900	45	5,855
SYDNEY - Medium Works			
Sydney – Relocate Maritime Operations Division *	5,600	0	2,500
Garden Island - Advance Works for Submarine Basing	5,200	2,165	3,035
Garden Island – Upgrade and Demolition	3,000	1,450	1,550
Garden Island – Construct Boat Pound Facility	900	0	900
Garden Island – Public Access Works	5,800	50	5,750
Sydney - Collocation of 1 Commando Company *	2,500	0	2,500
TOTAL NSW	252,485	14,128	106,463
VICTORIA			
BALLARAT – Medium Works			
Ballarat – Construct Army Multi User Depot *	4,000	0	3,000
BENDIGO - Medium Works			
Bendigo - Construction of Army Multi User Depot	5,050	0	3,000
BURKE - Medium Works			
Mt. Macedon - Upgrade of Accommodation	3,120	0	1,500
CORIO - Major Work			
Point Wilson –East Coast Armament Interim Facility	6,100	5,000	1,100
CORIO - Medium Works			
Geelong - Construct Army General Reserve depot *	2,100	0	2,100
INDI - Medium Works			
Bonegilla - Redevelopment of Range Complex	2,038	0	500
JAGAJAGA - Medium Works			
Watsonia - Redevelopment of Army Facilities	5,360	100	5,260
LALOR - Medium Works			
Laverton –Facilities for ADF School of Languages	4,915	1,015	3,900
MARIBYRNONG - Major Works			
Albion - Decontamination Works	38,556	11,779	8,000
MELBOURNE - Medium Works			
SE Melbourne – Construction of Army Multi User Depot	3,563	0	1,000
MELBOURNE PORTS - Major Works			
Fishermens Bend – DSTO Relocation of Research Labs *	56,200	0	3,000
TOTAL VICTORIA	131,002	17,894	32,360

PROGRAM OF WORKS (State, Federal Electorate and Locality)	Total Estimated Cost \$'000	Estimated Cash to 30 June 1999 \$'000	Budget Estimate 1999-2000 \$'000
SOUTH AUSTRALIA			
BONYTHON – Major Works			
RAAF Base Edinburgh – Redevelopment Stage 1 *	34,400	0	2,000
BONYTHON - Medium Works			
Salisbury – DSTO Land Operations Division Facility	3,800	0	3,800
Salisbury – Weapons System Division Refurbishment *	1,500	0	1,500
Salisbury - Consolidation of Divisional Stores	580	10	570
Salisbury - Extend DSTO Communication Building	5,700	30	5,670
BOOTHBY - Medium Works			
Warradale - Facilities for 9 Brigade Admin Supt. Battalion	4,702	322	4,380
GREY – Medium Works			
Woomera – Develop instrument training range *	3,100	0	1,000
WAKEFIELD - Medium Works			
Port Wakefield – Ammunition Breakdown Facility	5,710	0	4,905
Port Wakefield - Relocate Aerial Test Field	3,000	0	3,000
TOTAL SOUTH AUSTRALIA	62,492	362	26,825
WESTERN AUSTRALIA			
BRAND - Major Works			
HMAS Stirling - Development Stage 2 Phase B/C	129,380	122,812	3,000
HMAS Stirling - Base Development Stage 2D	39,471	30,375	1,000
HMAS Stirling - Base Development Stage 3	19,000	8,062	8,373
BRAND – Medium Works			
HMAS Stirling – Construct DSTO SSCST Centre *	650	0	650
HMAS Stirling – Construct Periscope Workshop *	2,600	0	800
CURTIN – Medium Works			
Swanbourne –Fast Rope and Rappelling facility *	1,050	50	1,000
KALGOORLIE - Medium Works			
Carnarvon – Construct Army General Reserve Depot *	2,000	0	2,000
PEARCE – Medium Works			
Pearce – Install Aircraft Arrestor System.	1,700	50	1,650
Pearce – Fuel Farm Upgrade *	4,000	0	3,000
Pearce - Facilities for Lead-In Fighter	4,490	500	3,990
TOTAL WESTERN AUSTRALIA	204,341	161,849	25,463
NORTHERN TERRITORY			
NORTHERN TERRITORY			
Darwin – Major Works			
Darwin – Joint Army Deployment Facility Develop.Stage 2	268,300	191,434	45,400
Darwin - North Australia Naval Infrastructure Stage 1	7,700	22	3,000
Darwin – RAAF Base, Develop. of Operational Facilities	59,458	29,020	29,000
Darwin - Bradshaw Station Infrastructure Works	54,000	1,652	26,000
Darwin - Redevelopment of RAAF Base	15,200	70	8,000
Darwin - Medium Works			
Darwin - Facilities - 114 Mobile Control and Reporting Unit	5,299	630	4,669
Darwin - Provision of Hydrant Refuelling system	5,705	1,830	3,875
Darwin - Upgrade of Electrical Reticulation	3,520	20	3,500
Darwin – Leanyer Air Weapons Range Decontamination	4,000	100	3,900
Harts Range - Upgrade Power Station	3,500	918	2,582

PROGRAM OF WORKS (State, Federal Electorate and Locality)	Total Estimated Cost \$'000	Estimated Cash to 30 June 1999 \$'000	Budget Estimate 1999-2000 \$'000
RAAF Tindal – Major Works			
RAAF Tindal - Technical Support Facilities Works	7,065	6,236	829
Delamere – Air Weapons Range Development *	12,300	0	500
RAAF Tindal - Medium Works			
RAAF Tindal – Ground Defence Works *	4,000	0	3,000
RAAF Tindal – Approach Control Facility	2,500	1,000	1,500
RAAF Tindal – NORTHROC Redevelopment	1,250	250	1,000
TOTAL NORTHERN TERRITORY	453,797	233,182	136,755

ACT			
CANBERRA - Major Works			
Canberra - Collocated Staff Colleges *	25,700	0	5,000
CANBERRA - Medium Works			
Canberra – Construction of Army Multi User Depot *	5,800	0	1,000
FRASER - Major Works			
Russell - Redevelopment of Office Facilities	225,187	215,787	9,400
FRASER - Medium Works			
HMAS Creswell – Construct of Royal Australian Navy Ship's Safety and Survival School	2,441	1,400	1,041
HMAS Creswell – Redevelopment of Waterfront	5,850	50	3,500
Jervis Bay – Remediation of Mary Creek	1,100	0	1,100
Canberra – Russell Building L Extension	4,200	3,000	1,200
Duntroon - Majura, Construction of Magazine	500	0	500
TOTAL ACT	270,778	220,237	22,741

OTHER – Major Works			
Location to be advised - RAAF College Development *	36,000	0	2,000
OTHER - Medium Works			
Various Locations – Air Defence Radar Sites *	400	0	400
Various Locations – RTC Facilities, (comprises a number of medium works programmed together) *	10,000	0	1,000
Various Locations - Upgrade Roads to Jindalee Sites	1,699	1,606	93
Various Locations - Works – Ninox Phase 1B	4,650	131	4,000
Various Locations - Works - Air Traffic Control Radars	3,150	3,139	11
Various Locations - Project Raven	1,587	828	759
Various Locations - Auto Gauging Naval Fuel Tanks	825	786	39
Various Locations - Training and Mobilisation Facilities	5,651	1,600	4,051
Total Other	63,962	8,090	12,353
TOTAL NEW BUILDINGS AND WORKS	1,814,164	691,247	462,922
ACQUISITIONS			4,775
PROPERTY MANAGEMENT, PRELIMINARY DESIGN AND OTHER FEES FOR SERVICE			24,817
ESTIMATED EXPENDITURE SLIPPAGE			-64,039
TOTAL CAPITAL FACILITIES EXPENDITURE	1,814,164	691,247	428,475

Notes:

1. All major works (ie. \$6.0m or greater) and medium works (ie. \$0.250m to \$5.999m) are approved at an outturn cost inclusive of fee for service and contingency.
2. Projects annotated with * indicates new commencements in 1999-2000.

RECONCILIATION OF DEFENCE REFORM PROGRAM RESOURCES AVAILABLE FOR REINVESTMENT

Table 5.7.1: Defence Reform Program Resources – 1999-2000 Budget Estimate^{(1) (2)}

Category	Groups														Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Defence Command & Management Arrangements		6.4	6.9	1.3				2.0							16.6
Intelligence					2.2			0.7							2.9
Capability Development															0.0
Acquisition & Industry								1.2	29.8						31.0
Science and Technology		1.0		1.4				0.2							2.6
Facilities & Long-Term Force Disposition								0.6			9.4				10.0
Logistics						94.5		12.7							107.2
Personnel Planning								70.3							70.3
Education & Training			22.4	9.7			3.2	4.0							39.3
Administrative Support	0.6	1.2	2.7		0.6		0.4	36.1		0.6	0.4		215.2	1.2	259.0
Information Management								1.9				16.4			18.3
Defence Cooperation															0.0
Total Gross Savings	0.6	8.6	31.9	12.5	2.8	94.5	3.6	129.7	29.8	0.6	9.8	16.4	215.2	1.2	557.2

Notes:

1. Excludes Superannuation, FBT and Unallocated savings that have yet to be calculated by Group. Figures may not add due to rounding
2. The \$125m Administrative Savings are not included in this table.

Table 5.7.2: Defence Reform Program Service & Civilian Personnel Resources – 1999-2000 Budget Estimate

Category	Group Personnel Numbers														Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Defence Command and Management Arrangement		82	88	25											195
Intelligence					22										22
Capability Development	-1														-1
Acquisition and Industry									238						238
Science and Technology	1	14		29											44
Facilities and Long-Term Force Disposition												56			56
Logistics						1397									1,397
Personnel Planning								604							604
Education and Training			420	160			41								621
Administrative Support													2,908		2,908
Information Management												126			126
Total ADF Personnel	0	96	508	214	22	1397	41	604	238	0	56	126	2,908	0	6,210
Defence Command and Management Arrangement		102	76	3											181
Intelligence					32										32
Capability Development															0
Acquisition and Industry									295						295
Science and Technology		9		1											10
Facilities and Long-Term Force Disposition												91			91
Logistics						903									903
Personnel Planning								239							239
Education and Training			62	54			2								118
Administrative Support													1,103	4	1,107
Information Management												181			181
Total Civilian Personnel	0	111	138	58	32	903	2	239	295	0	91	181	1,103	4	3,157

Table 5.7.3: Defence Reform Program Reinvestment by Group – 1999-2000 Estimate ⁽¹⁾

Category	Groups														Total
	1	2	3	4	5	6	7	8 ⁽²⁾	9	10	11	12	13	14	
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
New Capital Investment	85.2														85.2
Amphibious Capabilities		0.7	2.3			22.1					0.6				25.7
Capability – Related Logistics Costs						120.2									120.2
Net Personnel and Operating Costs of New Capabilities		16.9	1.7	-1.7	3.6	43.3		0.2			3.7		0.2		67.9
Defence Science – Capability Projects										15.4					15.4
Army Program Reinvestment															
Provision for 50,000 ADF		45.9	66.6	-61.0		-0.4		-3.1			-0.2	-0.2	-0.9	-1.4	45.3
Pilot Training				5.4											5.4
Defence Reform Program Transition Costs		0.3				5.0		23.8							29.1
Centrally held Transition Costs								53.0							53.0
Total	85.2	63.8	70.6	-57.3	3.6	190.2	0.0	73.9	0.0	15.4	4.1	-0.2	-0.7	-1.4	447.1

\$125m Administrative Savings Initiative		0.7	1.8	5.4	1.5	6.3		9.2	211.8	1.0						237.8
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Note:

1. Figures may not add due to rounding.