

Defence Materiel Organisation Projects

(Question No. 1064)

Mr Oakeshott asked the Minister for Defence Personnel, Materiel and Science, in writing, on 29 October 2009:

In respect of comments attributed to Dr Stephen Gumley, Chief Executive Officer, Defence Materiel Organisation (DMO) that about 20 per cent of the DMO projects go over cost, about 20 per cent of the projects come in around budget and about 60 per cent actually come in under budget, and separate figures of 239 major projects, estimated at over \$20 million, being closed over the past ten years and costing on average 98 per cent of their budget (*Hansard*, 23 September 2008, page 8256),

- (1) Can the Minister identify which DMO projects are included in the (a) over; (b) under; and (c) around, budget categories.
- (2) Can the Minister identify the 239 projects and the start and closure dates for each.
- (3) From 23 September 2008 to 28 October 2009, can the Minister outline what other projects were closed and what their (a) actual, and (b) budgeted, costs were.

Mr Combet—The answer to the honourable member's question is as follows:

- (1) (a), (b), (c) and (2)

The projects included in the (a) over; (b) under; and (c) around, budget categories are listed in the following Tables 1a, 1b and 1c respectively.

Table 1a lists 44 projects (18 per cent of the 239 projects), Table 1b lists 149 projects (62 per cent of the 239 projects) and Table 1c lists 46 projects (19 per cent of the 239 projects).

The data includes 16 projects for which formal closure was not finalised but which were assessed to be technically complete and for which final budget status - four over budget, five under budget and seven around budget - was determined.

The budget that was compared to actual costs for the purposes of classifying projects as over, under or around budget, is the original budget together with all adjustments for indexation, exchange and scope change.

Project start and closure dates are those at which the opening and closing events were recorded in the DMO Capital Equipment Program Financial Planning System (CEPPLAN).

TABLE 1 (a) PROJECTS CLOSED OVER BUDGET

Project	Project Name	Project Opened in DMO System	Project Closed in DMO System
SEA 1059	Replacement Tactical Teleprinters	01-Nov-81	24-Aug-98
AIR 5279 PH 1	CAMM2	16-Mar-89	02-Mar-99
JP 129 PH 0	Airborne Surveillance For Land Operations Phase 0	10-Feb-97	02-Mar-99
AIR 5003	East Sale/Tindal Radars	01-Nov-84	06-May-99
AIR 5394 PH 3	EW Self Protection For Transport Aircraft	13-Aug-96	20-Apr-00
JP 12 PH 6	Supply Systems Redevelopment (SSRP)	01-Aug-89	29-Jan-01

Project	Project Name	Project Opened in DMO System	Project Closed in DMO System
JP 2008 PH 3D-0	MILSATCOM	24-Jul-97	29-Jan-01
LAND 116 PH 2B	Bushranger Infantry Mobility Vehicles (IMV)	24-Apr-95	29-Jan-01
SEA 1680 PH 1	Project Immune	02-Dec-96	29-Jan-01
LAND 84 PH 2	Trucks, Tractors And Semi-Trailers	30-Apr-86	16-Aug-02
SEA 1389 PH 1	Fremantle Class Patrol Boat – LOTE	30-Nov-98	16-Dec-02
DEF 7013 PH 1	ADF Distributed Intelligence System	01-Sep-92	24-Mar-03
JP 2045 PH 1A	Maritime Mining Capability	07-Apr-97	23-Jul-03
DEF 7003 PH 2A	Kariwara	01-Apr-93	03-Sep-03
AIR 5402 PH 0	ADF Air Fuelling Capability	25-Feb-00	24-Mar-04
AIR 5395 PH 3	AF Air Range Capability	24-Apr-95	01-Apr-04
LAND 19 PH 4	VLLADWS Alerting And Cueing System	27-Nov-92	01-Jul-04
SEA 1074 PH 1B-2	Australian Mining Capability	23-Nov-89	01-Sep-04
SEA 1390 PH 1	Guided Missile Frigate Upgrade	12-Jul-94	30-Sep-04
SEA 1418 PH 1	Maritime Ranges	07-Apr-97	30-Sep-04
SEA 1428 PH 1	Evolved Sea Sparrow Ph 1	01-Aug-93	30-Sep-04
SEA 1443 PH 2	Anzac ASMD and AWD Studies	07-Apr-97	30-Sep-04
LAND 52 PH 4	Medium Recovery Vehicle	04-Nov-92	06-Oct-04
JP 8001 PH 1B	Headquarters Australian Theatre	01-Dec-97	02-Dec-04
LAND 112 PH 2	Australian Light Armoured Vehicle (ASLAV)	06-Aug-91	18-Feb-05
AIR 5232 PH 2	Air Navigational Trainer	01-Nov-93	16-Jun-05
AIR 5401 PH 2	Medium Tactical Airlift Capability Simulator	01-Dec-97	16-Jun-05
SEA 1229 PH 1	Active Missile Decoy Ph 1	01-Aug-93	16-Jun-05
SEA 1429 PH 1	Heavyweight Torpedo Studies	01-Dec-97	16-Jun-05
JP 2061 PH 1	C31 Technology Demonstrator (Exc3ite)	01-Dec-97	01-Nov-05
SEA 1412 PH 2	Maritime Warfare Training Centre	13-Aug-96	22-Mar-06
AIR 5279 PH 2	CAMM2	24-Apr-95	07-Aug-08
JP 2008 PH 3D	MILSATCOM - Military Satellite Payload	01-Dec-97	07-Aug-08
LAND 125 PH 2A	Soldier Combat System	28-May-00	07-Aug-08
AIR 5376 PH 1	F/A-18 Hornet Upgrade	24-Apr-95	28-Oct-08
JP 2049 PH 1	Multi-Level Information Security	13-Aug-96	28-Oct-08
SEA 1297 PH 2B	Mine Warfare Command Support System	01-Aug-93	28-Oct-08
DEF 444 PH 1	DEF 444	13-Aug-96	29-Jan-09
SEA 1242 PH 2	ASW Weapons Ph 2	01-Aug-93	29-Jan-09
JP 2008 PH 3C	MILSATCOM - Theatre Broadcast System	30-Nov-98	20-Apr-09
AIR 5190 PH 1A	Caribou Aircraft LOTE	03-Jul-02	
JP 2077 PH 2B	Improvements To The Logistics Information Systems	09-Aug-05	
SEA 1348 PH 2	Anzac Ship	14-Aug-89	
SEA 1114 PH 3	New Submarine	18-May-87	

TABLE 1 (b) PROJECTS CLOSED UNDER BUDGET

Project	Project Name	Project Opened in DMO System	Project Closed in DMO System
JP 12 PH 8A	Supply Systems Redevelopment (SSRP)	01-Aug-91	02-Jul-98
LAND 9 PH 4	Medium Tank Ph 4	10-Aug-79	02-Jul-98
SEA 1226 PH 2	Maritime Command Support System	22-Mar-88	02-Jul-98
SEA 1300 PH 1	Acoustic Classification System	25-Jan-89	15-Jul-98
AIR 5399 PH 0	Stand-Off Imaging Capability	07-May-96	24-Aug-98
AIR 5400 PH 0	Air-To-Air Weapons Capability	21-Jun-96	02-Mar-99
AIR 5403 PH 0	B707 Aircraft Hushkitting Requirement	07-May-96	02-Mar-99

Project	Project Name	Project Opened in DMO System	Project Closed in DMO System
JP 2038 PH 1	Health Services Redevelopment Project	01-Nov-91	02-Mar-99
JP 5195 PH 3A	GPS Navstar	05-Nov-91	02-Mar-99
JP 6 PH 2A AF	Wideband Secure Voice Equipment	01-Nov-86	02-Mar-99
SEA 1414 PH 0	NIH Missile Project	15-Sep-97	02-Mar-99
LAND 53 PH 2A	Ninox	01-Nov-92	12-Aug-99
AIR 6007	Chinook Capability	01-Oct-91	26-Aug-99
AIR 5376 PH 2A1	Hornet Radar Evaluation/Risk Mitigation	02-Dec-96	03-Sep-99
AIR 5376 PH 2D1	OMNI 15C Software Acquisition	02-Dec-96	03-Sep-99
JP 1 PH K	Harpoon Missiles	26-Apr-94	23-Dec-99
LAND 52 PH 2	Medium Trucks	01-Nov-80	23-Dec-99
LAND 69 PH 3	Camouflage Equipment Ph 3	26-Apr-94	23-Dec-99
AIR 5077 PH 1	Airborne Early Warning And Control System	12-Jul-94	29-Mar-00
JP 2045 PH 0	Maritime Mining Capability	04-Feb-97	06-Apr-00
AIR 5391 PH 2	F/Rf-111C Electronic Warfare Self-Protection	12-Jul-94	20-Apr-00
AIR 5391 PH 4	ALR-2002 RWR Engineering Development	02-Dec-96	20-Apr-00
SEA 1109 PH 61	Standard Missiles	18-May-88	09-May-00
AIR 5044	Basic Trainer - PC9	15-Dec-85	15-May-00
AIR 5218 PH 1	ADF Joint Command Support Environment	12-Jul-94	16-May-00
JP 2008 PH 1	MILSTACOM	23-Nov-89	16-May-00
JP 2008 PH 3A	MILSATCOM - Feasibility Study	06-Sep-96	16-May-00
JP 2030 PH 1	JCSS	01-Nov-92	16-May-00
AIR 5046	Utility Helicopters	30-Apr-86	29-Jan-01
AIR 5391 PH 7-0	Interim EWSP For F-111 Aircraft	01-Mar-99	29-Jan-01
AIR 5398 PH 1B	Air-To-Surface Standoff Capability	24-Apr-95	29-Jan-01
AIR 87 PH 1	Aerial Reconnaissance And Fire Support	12-Jul-94	29-Jan-01
DEF 888 PH 2	Haybox	13-Aug-96	29-Jan-01
JP 2043 PH 1	HF Modernisation	01-Nov-93	29-Jan-01
JP 5195 PH 1A	GPS Navstar	24-Feb-88	29-Jan-01
JP 65 PH 3	Field Digital Trunk Communications	01-Sep-85	29-Jan-01
LAND 91 PH 4	Small Arms - MINIMI Ph 4	29-Nov-85	29-Jan-01
LAND 91 PH 5A	Small Arms - Individual Weapons Ph 5a	01-Aug-93	29-Jan-01
SEA 1151	Flight Simulator For Destroyer/Utility Helicopters	01-Nov-85	29-Jan-01
SEA 1181 PH 2	Minehunter Inshore	01-Dec-89	29-Jan-01
SEA 1182 PH 2	Minesweeping Capability	01-Nov-87	29-Jan-01
SEA 1427 PH 1	Offshore Patrol Combatant PDS	08-Mar-94	29-Jan-01
LAND 75 PH 3.1	AUSTACCS	01-Nov-89	05-Feb-01
LAND 50 PH 1	Electronic Warfare System - ESM Sub System	01-Nov-77	21-Feb-01
SEA 1397 PH 2	Nulka	05-Dec-95	16-May-01
JP 2025 PH 2B	Jindalee Radar Network	14-Feb-89	03-Jul-02
JP 2046 PH 1	1 RSU Frequency Management System Upgrade	24-Apr-95	03-Jul-02
AIR 5046 PH 4	Blackhawk Maintenance Training Aid	30-Sep-96	16-Aug-02
LAND 134 PH 0	Combat Training Centre Live Instrumentation System	06-Jun-00	16-Aug-02
LAND 53 PH 1C	Ninox - Land Force Surveillance/Observation	24-Apr-95	16-Aug-02
LAND 91 PH 4A	Small Arms Replacement-Light Support Weapons Ph 4A	12-Jul-94	16-Aug-02
LAND 91 PH 5	Small Arms - Individual Weapons Ph 5	29-Nov-85	16-Aug-02

Project	Project Name	Project Opened in DMO System	Project Closed in DMO System
AIR 5190 PH 1	Light Tactical Airlift Capability	02-Dec-96	05-Sep-02
AIR 5384 PH 2	Peacemate	01-Feb-91	09-Oct-02
JP 2030 PH 5A	ADF JCSS	13-Aug-96	09-Oct-02
JP 2058 PH 1	HQNORCOM Upgrade	07-Apr-98	09-Oct-02
JP 6 PH 1 AF	Wideband Secure Voice Equipment	01-Nov-86	09-Oct-02
JP 6 PH 2A A	Wideband Secure Voice Equipment	01-Nov-86	09-Oct-02
JP 8001 PH 1	Collocated Joint Headquarters	22-Jan-96	09-Oct-02
LAND 49 PH 3	Single Channel Radio System (Raven)	01-Nov-81	09-Oct-02
AIR 5190 PH 2	Light Tactical Airlift Capability - Simulator	02-Dec-96	19-Feb-03
AIR 5404 PH 0	F111 Capability Optimisation	25-Nov-96	19-Feb-03
JP 42 PH 2A	Digital Topographical Support	07-Apr-97	19-Feb-03
LAND 42 PH 1	PARARE Digital Topographical Support	24-Apr-95	19-Feb-03
LAND 125 PH 0	Soldier Combat System	22-Dec-98	25-Feb-03
SEA 1432 PH 1	Acoustic Mine Imaging System	02-Dec-96	28-Feb-03
SEA 1308 PH 1B&2	Destroyer And Utility Helicopters	01-Nov-84	06-Mar-03
JP 2030 PH 2	ADF JCSE	26-Apr-94	20-Mar-03
JP 2030 PH 4A	ADF Joint Command Support Environment	12-Jul-94	20-Mar-03
AIR 5208 PH 2	F111 Simulator	01-Aug-91	29-May-03
JP 2027 PH 1	Amphibious Transport (LPA)	01-Dec-93	21-Jul-03
DEF 222 PH 1	DEF 222	14-Jan-97	23-Jul-03
DEF 333 PH 1	Neptune	13-Aug-96	23-Jul-03
DEF 7013 PH 3A	JISS	21-Apr-98	23-Jul-03
JP 2036 PH 2	Narrowband Secure Voice Equipment	12-Jul-94	23-Jul-03
JP 5195 PH 1B	GOS Navstar	06-Jan-89	23-Jul-03
JP 65 PH 7A	Parakeet	07-Apr-97	23-Jul-03
SEA 1308 PH 3B	Maritime Utility Helicopter	26-Apr-94	23-Jul-03
SEA 1439 PH 1B	Collins Submarines Mods For Special Operations DDS	21-Apr-98	22-Aug-03
LAND 50 PH 4	Electronic Warfare System - ESM Sub System	01-Nov-81	24-Sep-03
LAND 19 PH 3	VLLADWS Night Firing Capability	26-Apr-94	16-Jan-04
JP 2008 PH 3E-0	MILSATCOM	15-Oct-99	27-Jan-04
JP 2047 PH 0	DEFNET	17-Jun-97	27-Jan-04
JP 5195 PH 3B(A)	GPS Navstar Ph 3B(A)	08-Nov-99	27-Jan-04
JP 5408 PH 1	ADF GPS Enhancement	03-Mar-98	27-Jan-04
LAND 122 PH 2	Wagtail Tactical Radios	24-Apr-95	27-Jan-04
LAND 122 PH 3	ET - Wagtail Tactical Radios	08-Nov-99	27-Jan-04
LAND 49 PH 4	Single Channel Radio System (Raven)	01-Nov-84	27-Jan-04
SEA 4000 PH 0	Air Warfare Destroyer	07-May-02	18-Mar-04
JP 1441 PH 1	Bistatic Barra	15-Apr-98	22-Mar-04
JP 1441 PH 2	Bistatic Barra	16-Mar-99	22-Mar-04
AIR 5406 PH 1	Electronic Warfare Collaboration With The Us	01-Dec-97	24-Mar-04
JP 117 PH 1	ADF Ground-Based Air Defence Weapon System - PDS	13-Aug-96	24-Mar-04
JP 2056 PH 1	DJFHQ	07-Apr-97	24-Mar-04
LAND 53 PH 1A	Ninox	01-Nov-92	28-Apr-04
JP 2039 PH 1	Easycorn	01-Nov-93	01-Jul-04
LAND 121 PH 1	General Service Field Vehicles	26-Apr-94	01-Jul-04
AIR 5140 PH 2	P3C ESM	01-Nov-89	01-Sep-04
JP 2083 PH 1	Soft Programmable SATCOM COMMS Network Modern	03-Jul-01	01-Sep-04
SEA 1447 PH 1	Seabed Array System	16-Mar-99	01-Sep-04
AIR 5387 PH 1	WSSF F/A 18 Radar Evaluation Facility	01-Nov-92	30-Sep-04

Project	Project Name	Project Opened in DMO System	Project Closed in DMO System
DEF 20 PH 1	Advanced Computer Techniques	15-Apr-98	30-Sep-04
DEF 888 PH 4	Haybox	25-May-99	30-Sep-04
JP 2027 PH 2	Amphibious Transport (LPA)	12-Jul-94	30-Sep-04
JP 8001 PH 3C	HQ Australian Theatre	03-Jul-01	30-Sep-04
LAND 116 PH 1	Bushranger Interim Infantry Mobility Vehicles	01-Nov-93	30-Sep-04
SEA 1100 PH 3	ASSTASS - Interim Acquisition	13-Aug-96	30-Sep-04
SEA 1160 PH 1&2	Pollution Control Ship Fitted Equipment	01-Nov-87	30-Sep-04
SEA 1292 PH 1	Close-In-Weapons System	12-Jul-94	30-Sep-04
SEA 1390 PH 3	SM-1 Funded Integration Study	06-Aug-01	30-Sep-04
SEA 1411 PH 2	Additional Helicopters	01-Dec-97	30-Sep-04
SEA 1443 PH 1	ANZAC WIP - Phase 1	22-Jan-97	30-Sep-04
JP 2060 PH 1	ADF Deployable Medical Capability	03-Jul-01	06-Oct-04
JP 42 PH 2B	Parare (MGI)	08-Nov-99	06-Oct-04
JP 2068 PH 1B	Defence Network Operations Centre (DNOC) Capability	03-Jul-01	29-Nov-04
AIR 5418 PH 0	Follow-On Stand Off Weapon	19-Apr-99	02-Dec-04
JP 2064 PH 1	Mermaid	16-Mar-99	02-Dec-04
JP 5195 PH 3B	GPS Navstar	26-Apr-94	02-Dec-04
SEA 1230 PH 1&1B	Modernisation Of DDGS	01-Dec-81	02-Dec-04
AIR 5225 PH 3AB	F111 Commonality	02-Dec-96	13-May-05
AIR 5225 PH 3C	F111G Attrition Aircraft Buy	01-Jun-93	13-May-05
AIR 5046 PH 3C	Blackhawk Flight Simulator	26-Apr-94	16-Jun-05
AIR 5077 PH 2	AEW&C Initial Design Activity	13-Aug-96	16-Jun-05
AIR 5136 PH 2B	F111C Ate Replacement	01-Nov-90	16-Jun-05
AIR 5225 PH 2	F111 Avionics Update	01-Aug-88	16-Jun-05
JP 1 PH M	Harpoon Missiles	24-Apr-95	16-Jun-05
LAND 53 PH 1D	Ninox - LTTS	21-Apr-98	16-Jun-05
SEA 1656 PH 1	Network Enabled Undersea Warfare Study	16-Jan-03	16-Jun-05
JP 2042 PH 1A	ADF Capability	13-Aug-96	31-Oct-05
JP 2070 PH 1	Lightweight ASW Torpedo Studies	03-Mar-98	01-Nov-05
AIR 5394 PH 1	Electronic Self Protection For Transport Aircraft	01-Sep-93	09-Nov-05
JP 126 PH 1	Joint Theatre Distribution	03-Jul-01	22-Mar-06
AIR 5276 PH 5A	AP-3C Fast Track FLIR Upgrade	18-Mar-04	25-May-06
JP 2077 PH 2A	Improvements To The Logistics Information System	26-Aug-03	25-May-06
SEA 1431 PH 1	S-70B-2 Fleet Support Development	13-Aug-96	23-Jun-06
JP 2090 PH 1A	Coalition Network Exchange (CNX) CTD	27-Jan-04	29-Aug-06
JP 2077 PH 1	Improvements To The Logistics Information System	05-Jul-01	14-Feb-07
LAND 19 PH 2B	VLLADWS Advanced Air Defence Simulator	24-Apr-95	12-Mar-07
JP 2054 PH 1	Defence Messaging & Directory Environment	01-Dec-97	20-Mar-07
JP 2047 PH 1A	Defence Wide Area Communications Network - ET	08-Nov-99	31-Jul-07
LAND 53 PH 1E	Ninox - Ground Surveillance Radar (GSR)	26-Jul-99	30-Nov-07
AIR 15	F/A-18 Hornet	19-Oct-81	07-Aug-08
JP 5195 PH 2	GPS Navstar	26-Apr-94	28-Oct-08

Project	Project Name	Project Opened in DMO System	Project Closed in DMO System
JP 2062 PH 1	Global Hawk Collaboration Technology Demonstrator	04-Feb-98	29-Jan-09
DEF 777	Other Central Projects	01-Apr-95	
AIR 5384 PH 3	Peacemate	24-Apr-95	
JP 1 PH N&Q	Harpoon Missiles	02-Dec-96	
SEA 1448 PH 1	Anzac Ship Anti-Ship Missile Defence Upgrade	19-Feb-01	
JP 2025 PH 3/4	Jindalee Radar Network	19-Dec-90	

TABLE 1 (c) PROJECTS CLOSED "AROUND" BUDGET

Project	Project Name	Project Opened in DMO System	Project Closed in DMO System
SEA 1185 PH 1	Combat Systems Trainer	01-Nov-84	02-Jul-98
JP 1 PH H&I	Harpoon Missiles	01-Nov-91	15-Jul-98
AIR 5387 PH 2	WSSF PDS (Weapon System Supply Facility)	01-Nov-92	24-Aug-98
LAND 123 PH 1	Mulgara - Light Surveillance Vehicle	24-Apr-95	24-Aug-98
SEA 1184	FFGS-01-04	07-Apr-74	24-Aug-98
JP 13 PH 2B	Jindalee Upgrade	13-Oct-86	02-Mar-99
JP 2049 PH 0	Multi-Level Information Security	06-May-96	02-Mar-99
JP 65 PH 0	Parakeet	11-Jun-96	02-Mar-99
SEA 1397 PH 1	Nulka	28-Jul-86	02-Mar-99
LAND 112 PH 1	Wheeled Armoured Fighting Vehicle (WAFV)	16-Jun-89	06-May-99
LAND 50 PH 5	Electronic Warfare Command/Processing Centre	01-Nov-86	16-May-00
JP 2043 PH 2A	HF Modernisation	01-Nov-93	29-Jan-01
LAND 121 PH 2B	General Service Field Vehicles	08-Nov-99	23-Jul-03
LAND 19 PH 5A	Point Air Defence Weapons System LOTE	03-Jul-01	23-Jul-03
SEA 1182 PH 2C	Minesweeper	24-Apr-95	23-Jul-03
SEA 1435 PH 1	LPI Sonar - CTD	04-Feb-98	23-Jul-03
SEA 1444 PH 0	Patrol Boat Replacement	19-Nov-99	23-Jul-03
SEA 1439 PH 1A	Collins Enhancement & New Generation Submarines	04-Feb-98	01-Sep-04
JP 2077 PH 2	Improvements To The Logistics Information System	16-Jan-03	11-Feb-05
JP 8001 PH 2A	HQ Australian Theatre	27-Feb-03	16-Jun-05
SEA 1439 PH 2A	Collins Submarines Combat Systems Enhancements PDS	21-Apr-98	16-Jun-05
JP 2080 PH 2A	Defence Management Systems Improvement Project	09-Feb-04	31-Oct-05
SEA 1390 PH 5	Mk 92 Radar Support Equipment - Design Study	30-Jun-04	01-Nov-05
JP 5408 PH 1B	GPS Enhancement - MOU	16-Jan-03	31-Jul-07
SEA 4000 PH 3.1	Air Warfare Destroyer Program - Aegis Combat System	05-Dec-05	30-Nov-07
JP 2060 PH 2A	ADF Deployable Medical Capability	22-Aug-03	27-May-08
AIR 5401 PH 1	Medium Tactical Airlift Capability	30-Nov-98	07-Aug-08
JP 2082 PH 1	Broadband Solid State High Power Amp For TWT Repla	03-Jul-01	07-Aug-08
JP 5411 PH 1	Elect. Attack On Global Nav. Sat. System - PDS	30-Aug-99	07-Aug-08
LAND 148 PH 1	Acoustic Threat Localisation System	08-Jan-04	07-Aug-08
SEA 1432 PH 2	Acoustic Mine Imaging System	16-Mar-99	07-Aug-08
AIR 5401 PH 3A	Medium Tactical Airlift Capability - EWSP	21-Apr-98	28-Oct-08

Project	Project Name	Project Opened in DMO System	Project Closed in DMO System
JP 129 PH 1	Airborne Surveillance For Land Operations	01-Dec-97	28-Oct-08
SEA 1436 PH 1	Advanced Mine Warfare Sonar	01-Dec-97	28-Oct-08
JP 2077 PH 2C	Improvements To The Logistics Information Systems	01-Nov-05	28-Oct-08
AIR 7000 PH 1.1	North West Shelf UAV Trial	09-Feb-06	29-Jan-09
LAND 150 PH 1 CTD	Perimeter Surveillance Equipment	31-Aug-04	03-Jul-09
SEA 1437 PH 1	Enterprise	30-Nov-98	11-Aug-09
AIR 7000 PH 1B	Multi-Mission Unmanned Aerial System (MUAS)	18-Jul-06	11-Aug-09
JP 2057 PH 1	Space Based Infra-Red System (SBRS)	28-Mar-00	
DEF 333 PH 2A	Trinity	04-Oct-02	
SEA 4000 PH 1A	Air Warfare Destroyer - Non Design Related Studies	16-Jan-03	
JP 8001 PH 3C2	Accredited Secure Intelligence Facility	27-Feb-03	
JP 2077 PH 2B.2	ADF Deployable Logistics Systems	05-Dec-06	
AIR 7000 PH 2	Maritime Patrol And Response Aircraft System	29-Nov-07	
JP 2077 PH 2D	Improved Logistics Information Systems	22-May-07	

(3) The projects that have closed in the period 23 September 2008 to 28 October 2009 are listed in the following Table 2.

Actual and budgeted costs are shown for each listed project. Budgeted Costs is the original budget together with all adjustments for indexation, exchange and scope change.

The total actual costs for the 13 projects was \$388 million, 91 per cent of the total budget of \$424 million.

TABLE 2 PROJECTS CLOSED BETWEEN SEPTEMBER 2008 AND OCTOBER 2009

Project	Project Name	Actual Cost	Budget Cost (1)
AIR 5376 PH 3.2A	Hornet Structural Refurbishment Program Stage 2	3.369	3.584
AIR 5397	Airspace Control Communications	54.193	44.217
AIR 6000 PH 1A	NACC Definition Analysis & Risk Mitigation	36.312	37.986
DEF 222 CTD	DEF 222 CTD	2.061	2.120
JP 2042 PH 3	ADF Capability	18.922	21.830
JP 2044 PH 2A	Space Based Surveillance Capability	7.951	7.999
JP 2098	Joint Combined Training Centre	13.093	15.395
LAND 139 PH 1	Combat Support Bridging	12.024	20.619
LAND 147 PH 1	Personal Power Generation & Supply System	1.530	1.611
LAND 53 PH 1B	Ninox	167.421	180.021
LAND 53 PH 2B	Ninox	24.559	44.271
SEA 1430 PH 1	Digital Hydrographic Database	39.246	37.361
SEA 4000 PH 5	Aust Active Phased Array Radar Dev Program	7.559	7.560

(1) Original Budget adjusted for indexation, exchange and scope changes

Defence Materiel Organisation Projects
(Question No. 1225)

Mr Oakeshott asked the Minister for Defence Personnel, Materiel and Science, in writing, on 23 February:

Further to his answer to question 1064 (*Hansard*, 3 February 2010, page 135):

- (1) For each project in Tables 1(a) to (c): what is the (a) date and sum of the original approved budget allocation, (b) date and sum approved for each adjustment to the original budget to cover (i) indexation, (ii) exchange, and (iii) scope change, (c) actual cost, and (d) original approved completion/delivery date.
- (2) In Table 1(c), how is 'around' budget defined
- (3) In Table 2, for each project, what is the (a) date and sum of the original approved budget allocation, (b) date and sum approved for each adjustment to the original budget to cover (i) indexation, (ii) exchange, and (iii) scope change, and (c) original approved completion/delivery date.

Mr Combet—The answer to the honourable member's question is as follows:

- (1) For each project in Tables 1(a) to (c): the (a) date and sum of the original approved budget allocation, (b) date and sum approved for each adjustment to the original budget to cover (i) indexation, (ii) exchange, and (iii) scope change, and (c) actual cost, are provided in the following Tables 1(a) to (c) below. The original approved completion date is not provided as this information has not been historically recorded in the DMO financial system. The majority of these closed projects were approved over a decade ago and would require considerable effort and resources to access to historical and archived data at the resident project level. In response to QON 1064 the answer was based on a set of 239 projects that were closed or approaching closure at that time. Since then one project (JP 2077 PH 2B) has been "re-activated" due to additional work and as such has been removed from consideration in this answer.
- (2) In Table 1(c), "around" budget is defined as the project actual cost being one hundred percent of the final project budget including indexation, exchange and scope change.
- (3) For each project in QON 1064 Table 2, the (a) date and sum of the original approved budget allocation, (b) date and sum approved for each adjustment to the original budget to cover (i) indexation, (ii) exchange, and (iii) scope change is provided in Table 2 below. The original approved completion date is not provided as this information has not been historically recorded in the DMO financial system. The majority of these closed projects were approved over a decade ago and would require considerable effort and resources to access to historical and archived data at the resident project level.

Table 1 (a) Projects closed Over Budget

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System \$m	Adjustment for Indexation \$m	Adjustment for Exchange \$m	Adjustment for Project Scope Change \$m	Final Project Budget \$m	Project Actual Cost \$m	Project Closed in DMO Financial System
SEA 1059	Replacement Tactical Teleprinters	01 Nov 81	12.199	6.738	-0.077	-0.351	18.509	18.519	24 Aug 98
AIR 5279 PH 1	CAMM2	16 Mar 89	4.880	1.185	0	2.888	8.953	22.640	02 Mar 99
JP 129 PH 0	Airborne Surveillance For Land Operations	10 Feb 97	0.045	0	0	0.000	0.045	0.113	02 Mar 99
AIR 5003	East Sale/Tindal Radars	01 Nov 84	11.320	12.207	13.022	3.076	39.625	39.626	06 May 99
AIR 5394 PH 3	EW Self Protection For Transport Aircraft	13 Aug 96	259.600	8.392	22.169	-286.654	3.507	3.507	20 Apr 00
JP 12 PH 6	Supply Systems Redevelopment	01 Aug 89	9.427	1.407	0	-4.854	5.980	5.990	29 Jan 01
JP 2008 PH 3D-0	MILSATCOM	24 Jul 97	0.480	0	0	-0.090	0.390	0.417	29 Jan 01
LAND 116 PH 2B	Bushranger Infantry Mobility Vehicles	24 Apr 95	9.000	0.676	0	0.500	10.176	10.329	29 Jan 01
SEA 1680 PH 1	Project Immune	02 Dec 96	29.580	1.423	4.513	-35.365	0.151	0.151	29 Jan 01
LAND 84 PH 2	Trucks, Tractors And Semi-Trailers	30 Apr 86	20.450	4.516	1.217	-0.639	25.544	25.805	16 Aug 02
SEA 1389 PH 1	Fremantle Class Patrol Boat – LOTE	30 Nov 98	140.000	9.827	2.844	-152.457	0.214	0.214	16 Dec 02
DEF 7013 PH 1	ADF Distributed Intelligence System	01 Sep 92	1.860	0.515	0.002	12.356	14.733	14.763	24 Mar 03
JP 2045 PH 1A	Maritime Mining Capability	07 Apr 97	67.030	7.039	11.996	-85.005	1.060	1.066	23 Jul 03
DEF 7003 PH 2A	Kariwara	01 Apr 93	1.185	0.081	0	-0.031	1.235	1.236	03 Sep 03
AIR 5402 PH 0	ADF Air Fuelling Capability	25 Feb 00	0.172	0.01	0	0.000	0.182	0.233	24 Mar 04
AIR 5395 PH 3	AF Air Range Capability	24 Apr 95	93.800	14.275	31.724	-127.827	11.972	12.001	01 Apr 04
LAND 19 PH 4	VLLADWS Alerting And Cueing System	27 Nov 92	7.891	1.284	0.031	0.000	9.206	14.067	01 Jul 04
SEA 1074 PH 1B-2	Australian Mining Capability	23 Nov 89	8.660	2.598	0.778	0.005	12.041	18.887	01 Sep 04
SEA 1390 PH 1	Guided Missile Frigate Upgrade	12 Jul 94	10.160	0.677	0.034	3.044	13.915	15.455	30 Sep 04
SEA 1418 PH 1	Maritime Ranges	07 Apr 97	17.960	0.563	3.371	0.000	21.894	33.282	30 Sep 04
SEA 1428 PH 1	Evolved Sea Sparrow Ph 1	01 Aug 93	17.857	0.215	0.186	-6.524	11.734	35.025	30 Sep 04
SEA 1443 PH 2	Anzac ASMD and AWD Studies	07 Apr 97	10.000	0.617	1.444	-9.504	2.557	2.579	30 Sep 04

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System \$m	Adjustment for Indexation \$m	Adjustment for Exchange \$m	Adjustment for Project Scope Change \$m	Final Project Budget \$m	Project Actual Cost \$m	Project Closed in DMO Financial System
LAND 52 PH 4	Medium Recovery Vehicle	04 Nov 92	18.450	3.429	0.8	0.659	23.338	28.789	06 Oct 04
JP 8001 PH 1B	Headquarters Australian Theatre	01 Dec 97	24.000	0.523	0	1.800	26.323	26.350	02 Dec 04
LAND 112 PH 2	Australian Light Armoured Vehicle	06 Aug 91	255.730	33.629	0.607	-9.764	280.202	282.226	18 Feb 05
AIR 5232 PH 2	Air Navigational Trainer	01 Nov 93	18.847	3.915	2.492	11.044	36.298	37.526	16 Jun 05
AIR 5401 PH 2	Medium Tactical Airlift Capability Simulator	01 Dec 97	31.000	1.48	3.333	-1.252	34.561	38.324	16 Jun 05
SEA 1229 PH 1	Active Missile Decoy Ph 1	01 Aug 93	21.833	2.486	-0.123	0.000	24.196	33.330	16 Jun 05
SEA 1429 PH 1	Heavyweight Torpedo Studies	01 Dec 97	9.000	0.796	0.235	-4.560	5.471	5.495	16 Jun 05
JP 2061 PH 1	C31 Technology Demonstrator (Exc3ite)	01 Dec 97	15.000	0.273	0	-0.504	14.769	14.774	01 Nov 05
SEA 1412 PH 2	Maritime Warfare Training Centre	13 Aug 96	8.760	1.16	0.01	-0.255	9.675	10.688	22 Mar 06
AIR 5279 PH 2	CAMM2	24 Apr 95	24.300	5.898	0	0.271	30.469	55.212	07 Aug 08
LAND 125 PH 2A	Soldier Combat System	28 May 00	4.720	0.582	-0.972	8.282	12.612	12.950	07 Aug 08
AIR 5190 PH 1A	Caribou Aircraft LOTE	03 Jul 02	75.330	24.908	0.922	7.253	108.413	133.083	
SEA 1348 PH 2	Anzac Ship	14 Aug 89	3514.000	1514.243	173.946	176.946	5379.135	5379.160	
SEA 1114 PH 3	New Submarine	18 May 87	3892.000	1364.538	-92.319	-37.843	5126.376	5126.376	

Note: Some projects depicted with final actual cost same as final project budget due to rounding

Table 1 (b) Projects closed Under Budget

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System \$m	Adjustment for Indexation \$m	Adjustment for Exchange \$m	Adjustment for Project Scope Change \$m	Final Project Budget \$m	Project Actual Cost \$m	Project Closed in DMO Financial System
JP 12 PH 8A	Supply Systems Redevelopment (SSRP)	01 Aug 91	100.968	8.08	0	-0.610	108.438	108.226	02 Jul 98
LAND 9 PH 4	Medium Tank Ph 4	10 Aug 79	148.977	0.179	0.053	-0.691	148.518	146.343	02 Jul 98
SEA 1226 PH 2	Maritime Command Support System	22 Mar 88	29.970	1.772	-1.357	-2.123	28.262	26.513	02 Jul 98
SEA 1300 PH 1	Acoustic Classification System	25 Jan 89	1.360	0.41	0	0.787	2.557	2.551	15 Jul 98
AIR 5399 PH 0	Stand-Off Imaging Capability	07 May 96	1.000	0	0	0.023	1.023	0.930	24 Aug 98
AIR 5400 PH 0	Air-To-Air Weapons Capability	21 Jun 96	0.223	0	0	0.000	0.223	0.112	02 Mar 99
AIR 5403 PH 0	B707 Aircraft Hushkitting Requirement	07 May 96	0.200	0	0	0.000	0.200	0.126	02 Mar 99
JP 2038 PH 1	Health Services Redevelopment Project	01 Nov 91	0.500	0.145	0	2.233	2.878	2.786	02 Mar 99
JP 5195 PH 3A	GPS Navstar	05 Nov 91	5.120	0.278	0	-2.794	2.604	2.529	02 Mar 99
JP 6 PH 2A AF	Wideband Secure Voice Equipment	01 Nov 86	4.660	0.263	0.309	-0.717	4.515	1.843	02 Mar 99
SEA 1414 PH 0	NIH Missile Project	15 Sep 97	0.025	0	0	0.000	0.025	0.012	02 Mar 99
LAND 53 PH 2A	Ninox	01 Nov 92	3.000	0.12	0.224	0.000	3.344	3.279	12 Aug 99
AIR 6007	Chinook Capability	01 Oct 91	47.640	2.961	5.757	15.685	72.043	68.377	26 Aug 99
AIR 5376 PH 2A1	Hornet Radar Evaluation/Risk Mitigation	02 Dec 96	11.880	0.566	0.505	0.000	12.951	10.442	03 Sep 99
AIR 5376 PH 2D1	OMNI 15C Software Acquisition	02 Dec 96	20.000	0.699	3.437	-18.898	5.238	5.188	03 Sep 99
JP 1 PH K	Harpoon Missiles	26 Apr 94	11.970	0.359	-0.381	-0.122	11.826	5.340	23 Dec 99
LAND 52 PH 2	Medium Trucks	01 Nov 80	193.320	66.49	5.597	-24.684	240.723	240.694	23 Dec 99
LAND 69 PH 3	Camouflage Equipment Ph 3	26 Apr 94	4.970	0.266	0.098	-0.505	4.829	4.795	23 Dec 99
AIR 5077 PH 1	Airborne Early Warning And Control System	12 Jul 94	1.660	0.082	0	0.459	2.201	2.057	29 Mar 00
JP 2045 PH 0	Maritime Mining Capability	04 Feb 97	0.230	0	0	0.045	0.275	0.251	06 Apr 00
AIR 5391 PH 2	F/Rf-111C Electronic Warfare Self-Protection	12 Jul 94	70.910	6.486	7.203	-81.014	3.585	3.585	20 Apr 00
AIR 5391 PH 4	ALR-2002 RWR Engineering Development	02 Dec 96	26.181	0.403	0.059	10.053	36.696	24.085	20 Apr 00
SEA 1109 PH 6I	Standard Missiles	18 May 88	24.700	0.903	-1.415	4.715	28.903	27.528	09 May 00
AIR 5044	Basic Trainer - PC9	15 Dec 85	237.812	38.012	60.8	-20.401	316.223	314.409	15 May 00

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System	Adjustment for Indexation	Adjustment for Exchange	Adjustment for Project Scope Change	Final Project Budget	Project Actual Cost	Project Closed in DMO Financial System
			\$m	\$m	\$m	\$m	\$m	\$m	
AIR 5218 PH 1	ADF Joint Command Support Environment	12 Jul 94	1.570	0.063	0	0.000	1.633	1.630	16 May 00
JP 2008 PH 1	MILSTACOM	23 Nov 89	2.560	0.352	0.021	-0.602	2.331	2.273	16 May 00
JP 2008 PH 3A	MILSATCOM - Feasibility Study	06 Sep 96	0.600	0	0	0.080	0.680	0.665	16 May 00
JP 2030 PH 1	JCSS	01 Nov 92	7.102	0.76	0.003	0.067	7.932	7.931	16 May 00
AIR 5046	Utility Helicopters	30 Apr 86	283.890	45.08	-53.831	358.445	633.584	626.977	29 Jan 01
AIR 5391 PH 7-0	Interim EWSP For F-111 Aircraft	01 Mar 99	0.106	0	0	0.000	0.106	0.065	29 Jan 01
AIR 5398 PH 1B	Air-To-Surface Standoff Capability	24 Apr 95	30.000	2.334	-1.174	-30.858	0.302	0.302	29 Jan 01
AIR 87 PH 1	Aerial Reconnaissance And Fire Support	12 Jul 94	1.810	0.04	-0.006	0.157	2.001	1.968	29 Jan 01
DEF 888 PH 2	Haybox	13 Aug 96	28.400	0	4.734	12.000	45.134	42.628	29 Jan 01
JP 2043 PH 1	HF Modernisation	01 Nov 93	3.545	0.309	0.008	2.029	5.891	3.126	29 Jan 01
JP 5195 PH 1A	GPS Navstar	24 Feb 88	3.130	0.196	-0.556	0.365	3.135	3.106	29 Jan 01
JP 65 PH 3	Field Digital Trunk Communications	01 Sep 85	7.194	1.93	0.97	7.572	17.666	17.308	29 Jan 01
LAND 91 PH 4	Small Arms - MINIMI Ph 4	29 Nov 85	23.280	12.538	0.033	-3.859	31.992	31.136	29 Jan 01
LAND 91 PH 5A	Small Arms - Individual Weapons Ph 5a	01 Aug 93	22.621	1.869	-0.025	0.144	24.609	23.380	29 Jan 01
SEA 1151	Flight Simulator For Destroyer/Utility Helicopters	01 Nov 85	33.500	6.227	-0.828	12.942	51.841	51.797	29 Jan 01
SEA 1181 PH 2	Minehunter Inshore	01 Dec 89	14.213	1.238	0.751	114.606	130.808	130.508	29 Jan 01
SEA 1182 PH 2	Minesweeping Capability	01 Nov 87	15.980	5.413	0.511	23.825	45.729	45.207	29 Jan 01
SEA 1427 PH 1	Offshore Patrol Combatant PDS	08 Mar 94	12.000	0.396	0.006	1.085	13.487	13.147	29 Jan 01
LAND 75 PH 3.1	AUSTACCS	01 Nov 89	41.700	11.58	0	28.106	81.386	76.456	05 Feb 01
LAND 50 PH 1	Electronic Warfare System - ESM Sub System	01 Nov 77	1.677	4.263	3.159	3.364	12.463	12.351	21 Feb 01
SEA 1397 PH 2	Nulka	05 Dec 95	1.500	0.013	0	-0.010	1.503	1.482	16 May 01
JP 2025 PH 2B	Jindalee Radar Network	14 Feb 89	30.110	4.392	-0.023	4.320	38.799	21.874	03 Jul 02
JP 2046 PH 1	1 RSU Frequency Management System Upgrade	24 Apr 95	15.000	1.134	0.596	-1.767	14.963	13.087	03 Jul 02
AIR 5046 PH 4	Blackhawk Maintenance Training Aid	30 Sep 96	4.000	0.169	0.018	-0.377	3.810	2.969	16 Aug 02

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System \$m	Adjustment for Indexation \$m	Adjustment for Exchange \$m	Adjustment for Project Scope Change \$m	Final Project Budget \$m	Project Actual Cost \$m	Project Closed in DMO Financial System
LAND 134 PH 0	Combat Training Centre Live Instrumentation System	06 Jun 00	0.238	0	0	0.000	0.238	0.237	16 Aug 02
LAND 53 PH 1C	Ninox - Land Force Surveillance/Observation	24 Apr 95	13.900	0.747	0	1.427	16.074	16.028	16 Aug 02
LAND 91 PH 4A	Small Arms Replacement-Light Support Weapons Ph 4A	12 Jul 94	38.930	1.923	0	-0.548	40.305	37.594	16 Aug 02
LAND 91 PH 5	Small Arms - Individual Weapons Ph 5	29 Nov 85	105.750	50.509	-0.006	-3.524	152.729	150.644	16 Aug 02
AIR 5190 PH 1	Light Tactical Airlift Capability	02 Dec 96	529.810	47.921	229.744	-806.664	0.811	0.811	05 Sep 02
AIR 5384 PH 2	Peacemate	01 Feb 91	97.540	13.448	13.741	0.598	125.327	117.002	09 Oct 02
JP 2030 PH 5A	ADF JCSS	13 Aug 96	10.370	0.015	0	2.078	12.463	12.421	09 Oct 02
JP 2058 PH 1	HQNORCOM Upgrade	07 Apr 98	2.630	0.22	0	0.000	2.850	2.512	09 Oct 02
JP 6 PH 1 AF	Wideband Secure Voice Equipment	01 Nov 86	1.650	0.288	0.048	-0.904	1.082	0.882	09 Oct 02
JP 6 PH 2A A	Wideband Secure Voice Equipment	01 Nov 86	23.092	1.743	-0.48	-5.581	18.774	18.544	09 Oct 02
JP 8001 PH 1	Collocated Joint Headquarters	22 Jan 96	7.670	0.165	0	-0.894	6.941	6.821	09 Oct 02
LAND 49 PH 3	Single Channel Radio System (Raven)	01 Nov 81	14.580	4.178	4.706	21.270	44.734	19.724	09 Oct 02
AIR 5190 PH 2	Light Tactical Airlift Capability - Simulator	02 Dec 96	35.500	1.838	0	-37.201	0.137	0.137	19 Feb 03
AIR 5404 PH 0	F111 Capability Optimisation	25 Nov 96	0.025	0.013	0	0.563	0.601	0.204	19 Feb 03
JP 42 PH 2A	Digital Topographical Support	07 Apr 97	8.640	0.394	0	-6.847	2.187	2.182	19 Feb 03
LAND 42 PH 1	PARARE Digital Topographical Support	24 Apr 95	12.000	0.865	1.169	2.908	16.942	16.161	19 Feb 03
LAND 125 PH 0	Soldier Combat System	22 Dec 98	0.250	0	0	0.000	0.250	0.230	25 Feb 03
SEA 1432 PH 1	Acoustic Mine Imaging System	02 Dec 96	6.550	0.221	0	0.000	6.771	5.897	28 Feb 03
SEA 1308 PH 1B&2	Destroyer And Utility Helicopters	01 Nov 84	316.830	378.4	-23.721	-35.628	635.881	623.296	06 Mar 03
JP 2030 PH 2	ADF JCSE	26 Apr 94	3.260	0.182	0.033	0.802	4.277	4.136	20 Mar 03
JP 2030 PH 4A	ADF Joint Command Support Environment	12 Jul 94	5.230	0.171	-0.004	3.437	8.834	8.711	20 Mar 03
AIR 5208 PH 2	F111 Simulator	01 Aug 91	48.935	5.326	2.33	-0.033	56.558	50.354	29 May 03
JP 2027 PH 1	Amphibious Transport (LPA)	01 Dec 93	70.000	2.532	-4.826	-6.038	61.668	61.182	21 Jul 03

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System	Adjustment for Indexation	Adjustment for Exchange	Adjustment for Project Scope Change	Final Project Budget	Project Actual Cost	Project Closed in DMO Financial System
			\$m	\$m	\$m	\$m	\$m	\$m	
DEF 222 PH 1	DEF 222	14 Jan 97	3.480	0.068	0	0.000	3.548	3.467	23 Jul 03
DEF 333 PH 1	Neptune	13 Aug 96	59.300	2.595	0.422	3.370	65.687	43.876	23 Jul 03
DEF 7013 PH 3A	JISS	21 Apr 98	7.000	0.395	0.968	0.000	8.363	3.822	23 Jul 03
JP 2036 PH 2	Narrowband Secure Voice Equipment	12 Jul 94	43.420	1.334	-0.814	-34.731	9.209	8.662	23 Jul 03
JP 5195 PH 1B	GOS Navstar	06 Jan 89	8.420	1.778	-0.568	5.294	14.924	14.421	23 Jul 03
JP 65 PH 7A	Parakeet	07 Apr 97	1.500	0.066	0	0.000	1.566	0.127	23 Jul 03
SEA 1308 PH 3B	Maritime Utility Helicopter	26 Apr 94	73.630	3.024	2.7	3.846	83.200	72.454	23 Jul 03
SEA 1439 PH 1B	Collins Submarines Mods For Special Operations DDS	21 Apr 98	13.000	0.102	0	-13.097	0.005	0.005	22 Aug 03
LAND 50 PH 4	Electronic Warfare System - ESM Sub System	01 Nov 81	9.226	8.823	4.562	12.553	35.164	34.996	24 Sep 03
LAND 19 PH 3	VLLADWS Night Firing Capability	26 Apr 94	13.850	1.205	0.411	-0.392	15.074	11.854	16 Jan 04
JP 2008 PH 3E-0	MILSATCOM	15 Oct 99	0.718	0.003	0	0.000	0.721	0.712	27 Jan 04
JP 2047 PH 0	DEFNET	17 Jun 97	0.172	0.002	0	0.319	0.493	0.482	27 Jan 04
JP 5195 PH 3B(A)	GPS Navstar Ph 3B(A)	08 Nov 99	1.500	0.039	0.146	0.000	1.685	1.561	27 Jan 04
JP 5408 PH 1	ADF GPS Enhancement	03 Mar 98	0.860	0.119	0	0.000	0.979	0.841	27 Jan 04
LAND 122 PH 2	Wagtail Tactical Radios	24 Apr 95	112.200	6.469	-0.058	-16.859	101.752	100.162	27 Jan 04
LAND 122 PH 3	ET - Wagtail Tactical Radios	08 Nov 99	18.397	0.674	0.607	1.160	20.838	9.595	27 Jan 04
LAND 49 PH 4	Single Channel Radio System (Raven)	01 Nov 84	100.615	133.416	37.443	406.483	677.957	644.159	27 Jan 04
SEA 4000 PH 0	Air Warfare Destroyer	07 May 02	0.250	0.006	0	0.000	0.256	0.252	18 Mar 04
JP 1441 PH 1	Bistatic Barra	15 Apr 98	4.500	0.407	0.061	0.000	4.968	4.965	22 Mar 04
JP 1441 PH 2	Bistatic Barra	16 Mar 99	3.400	0.057	0.121	0.000	3.578	3.575	22 Mar 04
AIR 5406 PH 1	Electronic Warfare Collaboration With The Us	01 Dec 97	15.000	0.361	2.222	0.000	17.583	17.555	24 Mar 04
JP 117 PH 1	ADF Ground-Based Air Defence Weapon System - PDS	13 Aug 96	3.760	0.116	0	-3.168	0.708	0.702	24 Mar 04
JP 2056 PH 1	DJFHQ	07 Apr 97	5.000	0.136	0.129	-0.220	5.045	5.014	24 Mar 04

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System	Adjustment for Indexation	Adjustment for Exchange	Adjustment for Project Scope Change	Final Project Budget	Project Actual Cost	Project Closed in DMO Financial System
			\$m	\$m	\$m	\$m	\$m	\$m	
LAND 53 PH 1A	Ninox	01 Nov 92	3.240	0.821	0.197	3.937	8.195	7.941	28 Apr 04
JP 2039 PH 1	Easycorn	01 Nov 93	4.727	0.61	0	11.907	17.244	16.636	01 Jul 04
LAND 121 PH 1	General Service Field Vehicles	26 Apr 94	2.180	0.151	0	0.000	2.331	2.161	01 Jul 04
AIR 5140 PH 2	P3C ESM	01 Nov 89	115.740	24.25	5.923	74.002	219.915	212.276	01 Sep 04
JP 2083 PH 1	Soft Programmable SATCOM COMMS Network Modem	03 Jul 01	2.536	0.058	0	0.000	2.594	2.537	01 Sep 04
SEA 1447 PH 1	Seabed Array System	16 Mar 99	2.200	0.067	0	0.000	2.267	2.262	01 Sep 04
AIR 5387 PH 1	WSSF F/A 18 Radar Evaluation Facility	01 Nov 92	17.170	3.339	-0.079	2.872	23.302	17.826	30 Sep 04
DEF 20 PH 1	Advanced Computer Techniques	15 Apr 98	0.800	0.067	0	-0.200	0.667	0.662	30 Sep 04
DEF 888 PH 4	Haybox	25 May 99	16.000	0.163	1.428	0.000	17.591	16.262	30 Sep 04
JP 2027 PH 2	Amphibious Transport (LPA)	12 Jul 94	54.860	3.264	0	42.032	100.156	93.585	30 Sep 04
JP 8001 PH 3C	HQ Australian Theatre	03 Jul 01	1.010	0.015	0.008	0.000	1.033	0.981	30 Sep 04
LAND 116 PH 1	Bushranger Interim Infantry Mobility Vehicles	01 Nov 93	63.903	5.192	0.668	-6.209	63.554	57.691	30 Sep 04
SEA 1100 PH 3	ASSTASS - Interim Acquisition	13 Aug 96	29.120	0.849	0.498	0.000	30.467	30.463	30 Sep 04
SEA 1160 PH 1&2	Pollution Control Ship Fitted Equipment	01 Nov 87	5.551	25.902	0.76	21.353	53.566	52.403	30 Sep 04
SEA 1292 PH 1	Close-In-Weapons System	12 Jul 94	32.100	3.055	3.048	0.000	38.203	28.812	30 Sep 04
SEA 1390 PH 3	SM-1 Funded Integration Study	06 Aug 01	0.744	0.018	0	0.000	0.762	0.567	30 Sep 04
SEA 1411 PH 2	Additional Helicopters	01 Dec 97	10.000	0.613	1.743	0.000	12.356	6.379	30 Sep 04
SEA 1443 PH 1	ANZAC WIP - Phase 1	22 Jan 97	5.000	0.15	0.032	0.000	5.182	4.795	30 Sep 04
JP 2060 PH 1	ADF Deployable Medical Capability	03 Jul 01	2.190	0.033	0	0.000	2.223	2.219	06 Oct 04
JP 42 PH 2B	Parare (MGI)	08 Nov 99	5.400	0.153	0	0.000	5.553	5.352	06 Oct 04
JP 2068 PH 1B	Defence Network Operations Centre (DNOC) Capability	03 Jul 01	4.330	0.195	0	0.000	4.525	2.670	29 Nov 04
AIR 5418 PH 0	Follow-On Stand Off Weapon	19 Apr 99	0.951	0.019	0	1.488	2.458	1.151	02 Dec 04
SEA 1230 PH 1&1B	Modernisation Of DDGS	01 Dec 81	205.060	288.68	-16.065	45.546	523.221	498.355	02 Dec 04

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System	Adjustment for Indexation	Adjustment for Exchange	Adjustment for Project Scope Change	Final Project Budget	Project Actual Cost	Project Closed in DMO Financial System
			\$m	\$m	\$m	\$m	\$m	\$m	
JP 2064 PH 1	Mermaid	16 Mar 99	9.100	0.348	1.155	2.000	12.603	12.422	02 Dec 04
JP 5195 PH 3B	GPS Navstar	26 Apr 94	30.290	4.848	5.169	5.275	45.582	36.276	02 Dec 04
AIR 5225 PH 3AB	F111 Commonality	02 Dec 96	14.530	1.255	2.119	0.000	17.904	12.696	13 May 05
AIR 5225 PH 3C	F111G Attrition Aircraft Buy	01 Jun 93	144.330	6.973	2.839	-0.722	153.420	144.072	13 May 05
AIR 5046 PH 3C	Blackhawk Flight Simulator	26 Apr 94	44.220	4.509	0	-1.919	46.810	42.113	16 Jun 05
AIR 5077 PH 2	AEW&C Initial Design Activity	13 Aug 96	37.780	0.901	0.45	-8.323	30.808	29.551	16 Jun 05
AIR 5136 PH 2B	F111C Ate Replacement	01 Nov 90	45.283	6.814	4.355	4.999	61.451	52.219	16 Jun 05
AIR 5225 PH 2	F111 Avionics Update	01 Aug 88	219.706	76.947	17.073	148.076	461.802	454.796	16 Jun 05
JP 1 PH M	Harpoon Missiles	24 Apr 95	12.400	0.683	0.399	0.000	13.482	8.226	16 Jun 05
LAND 53 PH 1D	Ninox - LTTS	21 Apr 98	41.296	8.203	5.181	0.000	54.680	14.884	16 Jun 05
SEA 1656 PH 1	Network Enabled Undersea Warfare Study	16 Jan 03	2.950	0.106	0	-0.006	3.050	2.917	16 Jun 05
JP 2042 PH 1A	ADF Capability	13 Aug 96	3.600	0.923	0.897	22.008	27.428	23.104	31 Oct 05
JP 2070 PH 1	Lightweight ASW Torpedo Studies	03 Mar 98	4.000	0.464	0.502	0.000	4.966	4.961	01 Nov 05
AIR 5394 PH 1	Electronic Self Protection For Transport Aircraft	01 Sep 93	10.957	0.509	0.87	3.588	15.924	13.810	09 Nov 05
JP 126 PH 1	Joint Theatre Distribution	03 Jul 01	5.120	0.158	0	-0.015	5.263	4.773	22 Mar 06
AIR 5276 PH 5A	AP-3C Fast Track FLIR Upgrade	18 Mar 04	13.400	0.089	-0.081	-0.094	13.314	12.431	25 May 06
JP 2077 PH 2A	Improvements To The Logistics Information System	26 Aug 03	15.500	0.498	0	-0.088	15.910	15.868	25 May 06
SEA 1431 PH 1	S-70B-2 Fleet Support Development	13 Aug 96	42.100	6.201	16.861	-3.329	61.833	50.720	23 Jun 06
JP 2090 PH 1A	Coalition Network Exchange CTD	27 Jan 04	2.690	0.22	0	-0.010	2.900	2.845	29 Aug 06
JP 2077 PH 1	Improvements To The Logistics Information System	05 Jul 01	23.320	0.655	0	14.985	38.960	37.815	14 Feb 07
LAND 19 PH 2B	VLLADWS Advanced Air Defence Simulator	24 Apr 95	11.100	2.183	-0.444	-2.473	10.366	10.348	12 Mar 07
JP 2054 PH 1	Defence Messaging & Directory Environment	01 Dec 97	124.000	18.712	0.021	-26.008	116.725	53.542	20 Mar 07
JP 2047 PH 1A	Defence Wide Area Communications Network - ET	08 Nov 99	21.000	1.803	0.18	-0.137	22.846	18.123	31 Jul 07

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System	Adjustment for Indexation	Adjustment for Exchange	Adjustment for Project Scope Change	Final Project Budget	Project Actual Cost	Project Closed in DMO Financial System
			\$m	\$m	\$m	\$m	\$m	\$m	
LAND 53 PH 1E	Ninox - Ground Surveillance Radar (GSR)	26 Jul 99	43.962	8.716	2.99	25.766	81.434	80.626	30 Nov 07
JP 2008 PH 3D	MILSATCOM - Military Satellite Payload	01 Dec 97	256.000	17.117	101.915	-32.169	342.863	338.573	07 Aug 08
AIR 15	F/A-18 Hornet	19 Oct 81	2427.396	1317.642	1481.441	-411.044	4815.435	4435.929	07 Aug 08
SEA 1432 PH 2	Acoustic Mine Imaging System	16 Mar 99	17.000	1.177	0.056	-0.078	18.155	15.058	07 Aug 08
AIR 5401 PH 1	Medium Tactical Airlift Capability	30 Nov 98	28.000	2.781	2.586	0.000	33.367	33.330	07 Aug 08
JP 2082 PH 1	Broadband Solid State High Power Amp For TWT Repla	03 Jul 01	0.193	0.025	0	-0.001	0.217	0.111	07 Aug 08
JP 5411 PH 1	Elect. Attack On Global Nav. Sat. System - PDS	30 Aug 99	0.896	0.165	0	-0.006	1.055	0.476	07 Aug 08
LAND 148 PH 1	Acoustic Threat Localisation System	08 Jan 04	1.900	0.191	0	-0.006	2.085	1.897	07 Aug 08
AIR 5376 PH 1	F/A-18 Hornet Upgrade	24 Apr 95	140.200	21.937	40.863	84.979	287.979	284.526	28 Oct 08
JP 2049 PH 1	Multi-Level Information Security	13 Aug 96	13.780	0.586	0	0.938	15.304	15.041	28 Oct 08
SEA 1297 PH 2B	Mine Warfare Command Support System	01 Aug 93	47.333	4.185	0	-0.012	51.506	51.416	28 Oct 08
JP 5195 PH 2	GPS Navstar	26 Apr 94	33.330	8.703	2.813	-4.100	40.746	25.857	28 Oct 08
AIR 5401 PH 3A	Medium Tactical Airlift Capability - EWSP	21 Apr 98	31.000	0.475	0.646	-0.052	32.069	31.946	28 Oct 08
JP 129 PH 1	Airborne Surveillance For Land Operations	01 Dec 97	30.000	2.742	3.385	-6.673	29.454	27.999	28 Oct 08
SEA 1436 PH 1	Advanced Mine Warfare Sonar	01 Dec 97	10.000	0.501	0.022	-0.003	10.520	9.901	28 Oct 08
JP 2077 PH 2C	Improvements To The Logistics Information Systems	01 Nov 05	23.540	0.624	0.287	-0.002	24.449	21.540	28 Oct 08
JP 2062 PH 1	Global Hawk Collaboration Technology Demonstrator	04 Feb 98	16.000	0.812	3.788	0.066	20.666	20.379	29 Jan 09
AIR 7000 PH 1.1	North West Shelf UAV Trial	09 Feb 06	11.731	0.748	-0.268	0.000	12.211	8.846	29 Jan 09
SEA 1242 PH 2	ASW Weapons Ph 2	01 Aug 93	32.330	3.178	-0.503	-0.034	34.971	34.829	29 Jan 09
JP 2008 PH 3C	MILSATCOM - Theatre Broadcast System	30 Nov 98	23.000	2.123	0.278	4.463	29.864	27.756	20 Apr 09
LAND 150 PH 1 CTD	Perimeter Surveillance Equipment	31 Aug 04	2.076	0.155	0	-0.004	2.227	2.002	03 Jul 09
SEA 1437 PH 1	Enterprise	30 Nov 98	9.000	0.266	1.225	1.340	11.831	11.653	11 Aug 09

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System	Adjustment for Indexation	Adjustment for Exchange	Adjustment for Project Scope Change	Final Project Budget	Project Actual Cost	Project Closed in DMO Financial System
			\$m	\$m	\$m	\$m	\$m	\$m	
AIR 7000 PH 1B	Multi-Mission Unmanned Aerial System (MUAS)	18 Jul 06	3.940	0.216	0	0.000	4.156	2.848	11 Aug 09
DEF 444 PH 1	DEF 444	13 Aug 96	49.000	5.722	7.524	26.038	88.284	82.004	29 Jan 09
AIR 5384 PH 3	Peacemate	24 Apr 95	30.000	2.179	-0.391	6.613	38.401	38.241	29 Oct 09
DEF 777	Other Central Projects	01 Apr 95	32.090	1.595	2.825	0.281	36.791	35.794	
JP 1 PH N&Q	Harpoon Missiles	02 Dec 96	84.200	6.118	20.612	-0.019	110.911	110.594	
SEA 1448 PH 1	Anzac Ship Anti-Ship Missile Defence Upgrade	19 Feb 01	9.504	0.237	0.006	1.846	11.593	2.089	
JP 2025 PH 3/4	Jindalee Radar Network	19 Dec 90	970.000	262.49	32.324	-9.212	1255.602	1248.669	

Note: Some projects depicted with final actual cost same as final project budget due to rounding

Table 1 (c) Projects Closed “Around” Budget

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System	Adjustment for Indexation	Adjustment for Exchange	Adjustment for Project Scope Change	Final Project Budget	Project Actual Cost	Project Closed in DMO Financial System
			\$m	\$m	\$m	\$m	\$m	\$m	
SEA 1185 PH 1	Combat Systems Trainer	01 Nov 84	17.700	1.982	1.859	-1.330	20.211	20.211	02 Jul 98
JP 1 PH H&I	Harpoon Missiles	01 Nov 91	7.810	0.785	0.523	-1.197	7.921	7.921	15 Jul 98
AIR 5387 PH 2	WSSF PDS (Weapon System Supply Facility)	01 Nov 92	0.980	0.015	0	-0.217	0.778	0.778	24 Aug 98
LAND 123 PH 1	Mulgara - Light Surveillance Vehicle	24 Apr 95	5.500	0.31	0	-5.607	0.203	0.203	24 Aug 98
SEA 1184	FFGS-01-04	07 Apr 74	186.751	580.222	90.927	155.461	1013.361	1013.361	24 Aug 98

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System	Adjustment for Indexation	Adjustment for Exchange	Adjustment for Project Scope Change	Final Project Budget	Project Actual Cost	Project Closed in DMO Financial System
			\$m	\$m	\$m	\$m	\$m	\$m	
JP 13 PH 2B	Jindalee Upgrade	13 Oct 86	57.500	8.461	-0.058	3.316	69.219	69.219	02 Mar 99
JP 2049 PH 0	Multi-Level Information Security	06 May 96	3.000	0	0	-0.400	2.600	2.600	02 Mar 99
JP 65 PH 0	Parakeet	11 Jun 96	0.100	0	0	0.065	0.165	0.165	02 Mar 99
SEA 1397 PH 1	Nulka	28 Jul 86	45.700	6.482	-1.055	13.700	64.827	64.827	02 Mar 99
LAND 112 PH 1	Wheeled Armoured Fighting Vehicle (WAFV)	16 Jun 89	28.400	0.246	0.004	0.219	28.869	28.869	06 May 99
LAND 50 PH 5	Electronic Warfare Command/Processing Centre	01 Nov 86	17.080	6.884	0.28	4.475	28.719	28.719	16 May 00
JP 2043 PH 2A	HF Modernisation	01 Nov 93	6.565	0.513	0	-0.942	6.136	6.136	29 Jan 01
LAND 121 PH 2B	General Service Field Vehicles	08 Nov 99	7.000	0.07	0.003	-0.426	6.647	6.647	23 Jul 03
LAND 19 PH 5A	Point Air Defence Weapons System LOTE	03 Jul 01	4.270	0.088	-0.119	-4.189	0.050	0.050	23 Jul 03
SEA 1182 PH 2C	Minesweeper	24 Apr 95	12.000	0.705	0.063	-2.420	10.348	10.348	23 Jul 03
SEA 1435 PH 1	LPI Sonar - CTD	04 Feb 98	4.000	0.041	0	0.000	4.041	4.041	23 Jul 03
SEA 1444 PH 0	Patrol Boat Replacement	19 Nov 99	3.430	0	0	0.000	3.430	3.430	23 Jul 03
SEA 1439 PH 1A	Collins Enhancement & New Generation Submarines	04 Feb 98	0.400	0.011	0	0.000	0.411	0.411	01 Sep 04
JP 2077 PH 2	Improvements To The Logistics Information System	16 Jan 03	5.000	0	0	0.000	5.000	5.000	11 Feb 05
JP 8001 PH 2A	HQ Australian Theatre	27 Feb 03	2.205	0.255	0	-2.200	0.260	0.260	16 Jun 05
SEA 1439 PH 2A	Collins Submarines Combat Systems Enhancements PDS	21 Apr 98	0.000	0.312	0.118	9.364	9.794	9.794	16 Jun 05
JP 2080 PH 2A	Defence Management Systems Improvement Project	09 Feb 04	6.000	0.29	0	-5.031	1.259	1.259	31 Oct 05
SEA 1390 PH 5	Mk 92 Radar Support Equipment - Design Study	30 Jun 04	0.200	0.003	0	-0.068	0.135	0.135	01 Nov 05
JP 5408 PH 1B	GPS Enhancement - MOU	16 Jan 03	4.000	0.75	-0.051	-3.934	0.765	0.765	31 Jul 07
SEA 4000 PH 3.1	Air Warfare Destroyer Program - Aegis Combat System	05 Dec 05	1267.273	85.153	-53.405	-1148.893	150.128	150.128	30 Nov 07
JP 2060 PH 2A	ADF Deployable Medical Capability	22 Aug 03	2.560	0.208	0	-0.464	2.304	2.304	27 May 08
JP 2057 PH 1	Space Based Infra-Red System (SBRS)	28 Mar 00	3.970	0.593	-0.556	-0.164	3.843	3.843	

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System	Adjustment for Indexation	Adjustment for Exchange	Adjustment for Project Scope Change	Final Project Budget	Project Actual Cost	Project Closed in DMO Financial System
			\$m	\$m	\$m	\$m	\$m	\$m	
DEF 333 PH 2A	Trinity	04 Oct 02	36.900	1.992	-0.55	-0.995	37.347	37.347	
SEA 4000 PH 1A	Air Warfare Destroyer - Non Design Related Studies	16 Jan 03	4.450	0.298	-0.162	-0.010	4.576	4.576	
JP 8001 PH 3C2	Accredited Secure Intelligence Facility	27 Feb 03	10.900	1.505	-0.136	-0.017	12.252	12.252	
JP 2077 PH 2B.2	ADF Deployable Logistics Systems	05 Dec 06	83.320	11.914	0	0.000	95.234	95.234	
AIR 7000 PH 2	Maritime Patrol And Response Aircraft System	29 Nov 07	144.099	14.461	-7.093	0.000	151.467	151.467	
JP 2077 PH 2D	Improved Logistics Information Systems	22 May 07	12.673	0.945	0	0.000	13.618	13.618	

Table 2 Projects Closed Between September 2008 and October 2009

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System	Adjustment For Indexation	Adjustment For Exchange	Adjustment for Project Scope Change	Final Project Budget	Project Actual Cost	
			\$m	\$m	\$m	\$m	\$m	\$m	
AIR 5376 PH 3.2A	Hornet Structural Refurbishment Program Stage 2	3 Jul 01	3.650	0.430	-0.474	-0.022	3.584	3.369	
AIR 5397	Airspace Control Communications	01 Nov 93	42.669	5.805	0.276	-4.533	44.217	54.193	
AIR 6000 PH 1A	NACC Definition Analysis & Risk Mitigation	11 Dec 02	3.535	3.224	0.000	31.227	37.986	36.312	
DEF 222 CTD	DEF 222 CTD	21 Nov 02	2.000	0.123	0.000	-0.003	2.120	2.061	
JP 2042 PH 3	ADF Capability	04 Oct 02	21.260	2.466	-1.754	-0.142	21.830	18.922	
JP 2044 PH 2A	Space Based Surveillance Capability	04 Oct 02	14.290	0.663	-0.591	-6.363	7.999	7.951	
JP 2098	Joint Combined Training Centre	19 Dec 05	16.972	1.340	-0.015	-2.902	15.395	13.093	
LAND 139 PH 1	Combat Support Bridging	21 Nov 02	17.700	3.532	0.203	-0.816	20.619	12.024	

Project	Project Name	Date of Original Project Approved Budget Allocation	Original Project Budget in DMO Financial System \$m	Adjustment For Indexation \$m	Adjustment For Exchange \$m	Adjustment for Project Scope Change \$m	Final Project Budget \$m	Project Actual Cost \$m
LAND 147 PH 1	Personal Power Generation & Supply System	08 Jan 04	1.530	0.086	0.000	-0.005	1.611	1.530
LAND 53 PH 1B	Ninox	01 Nov 93	128.134	25.724	44.176	-18.013	180.021	167.421
LAND 53 PH 2B	Ninox	07 Apr 97	29.180	8.755	7.604	-1.268	44.271	24.559
SEA 1430 PH 1	Digital Hydrographic Database	13 Aug 09	33.790	2.737	0.162	0.672	37.361	39.246
SEA 4000 PH 5	Active Phased Array Radar Dev Program	26 May 03	7.170	0.407	0.000	-0.017	7.560	7.559