

# Australian Radiation Protection and Nuclear Safety Agency

Health and Ageing Portfolio Agency

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ARPANSA

## Section 1: Overview

The Australian Government provides funding to the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) to seek the outcome that the Australian people and environment are protected from the harmful effects of radiation.

The *Australian Radiation Protection and Nuclear Safety Act 1998* (ARPANS Act) created a statutory office holder (the Chief Executive Officer). The functions of ARPANSA are to promote national uniformity of radiation protection and nuclear safety policy and practice, and provide advice on radiation protection, nuclear safety and related issues. ARPANSA undertakes research and provides services relating to radiation protection, nuclear safety and medical exposures to radiation. It also regulates the Australian Government and its contractors in their use of radiation sources, radiation facilities and nuclear installations.

ARPANSA maintains a high level of competency and an active awareness of new research and scientific developments in radiation protection, nuclear safety and medical exposures to radiation. It also aims to continually improve its regulatory processes, and participate actively in the international radiation protection and nuclear safety framework.

The Australian Government, through the ARPANS Act, also established the Radiation Health and Safety Advisory Council, the Radiation Health Committee, and the Nuclear Safety Committee to assist in carrying out the functions of the Act.

### 1.1: SUMMARY OF AGENCY OUTCOME AND OUTPUTS

The products and services delivered by ARPANSA which contribute to the achievement of its outcome are summarised in Table 1.1.

**Table 1.1: Agency Outcome and Output Groups**

Outcome	Output Groups
<b>The Australian people and the environment are protected from the harmful effects of radiation</b>	Output Group 1 – National Leadership in Radiation Protection and Nuclear Safety
	Output Group 2 – Knowledge, Information and Services Relating to Radiation Protection and Nuclear Safety
	Output Group 3 – Regulation of Commonwealth Entities using Radiation Sources and Facilities or Nuclear Installations

## Section 2: Resources for 2007-08

### 2.1: APPROPRIATIONS AND OTHER RESOURCES

Table 2.1 shows the total resources from all origins for 2007-08, including appropriations. The table summarises how resources will be applied by outcome, administered and departmental classification.

The total resourcing for ARPANSA in the 2007-08 Budget is \$29.739 million. This includes capital funding of \$3.600 million.

**Table 2.1: Appropriations and Other Resources 2007-08 ('000)**

	Appropriations				Total approp	Receipts (b)	Total
	Bill No. 1	Bill No. 2		Special			
	\$'000	SPP \$'000	Other (a) \$'000	approp \$'000	\$'000	\$'000	\$'000
<b>Australian Radiation Protection and Nuclear Safety Agency (ARPANSA)</b>							
Administered	-	-	-	-	-	-	-
Departmental	15,867	-	-	-	15,867	10,272	26,139
<b>Total ARPANSA</b>	<b>15,867</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15,867</b>	<b>10,272</b>	<b>26,139</b>
Departmental capital (equity injections)	-	3,600	-	-	3,600	-	3,600
<b>Total resources</b>	<b>15,867</b>	<b>3,600</b>	<b>-</b>	<b>-</b>	<b>19,467</b>	<b>10,272</b>	<b>29,739</b>

(a) Includes new administered expenses and administered assets and liabilities.

(b) Departmental and administered receipts from other sources that are available to be spent.



## 2.2: 2007-08 BUDGET MEASURES

Budget measures relating to ARPANSA as explained in *Budget Paper No.2, Budget Measures 2007-08*<sup>1</sup> are summarised in Table 2.2.

**Table 2.2: ARPANSA Measures**

		2007-08	2008-09	2009-10	2010-11
		\$'000	\$'000	\$'000	\$'000
Australian Radiation Protection and Nuclear Safety Agency - continuation of funding					
	Departmental	-	-	-	-
	<b>Total</b>	-	-	-	-
Strengthening National Security - enhancing Australia's approach to Chemical, Biological, Radiological and Nuclear Security					
	Departmental	1,077	1,075	957	891
	Capital	650	-	-	-
	<b>Total</b>	1,727	1,075	957	891
Department of Health and Ageing Outcome 14					
	Departmental	1,284	1,275	702	576
	Administered	236	116	342	315
	Capital	400	1,612	961	488
	<b>Subtotal</b>	1,920	3,003	2,005	1,379
	<b>Total</b>	3,647	4,078	2,962	2,270
Radiation in health care - safer and better use					
	Departmental	1,510	1,355	1,577	1,590
	Capital	2,950	-	-	-
	<b>Total</b>	4,460	1,355	1,577	1,590

<sup>1</sup> Available on the Australian Government website at: <[www.budget.gov.au](http://www.budget.gov.au)>.

### 2.3: OTHER REVENUE AVAILABLE TO BE USED

Table 2.3 provides details of resources obtained by ARPANSA for the provision of goods or services. These resources are approved for use by ARPANSA and are included in Table 2.1.

**Table 2.3: Other Revenue Available to be Used**

	Estimated revenue 2006-07 \$'000	Budget estimate 2007-08 \$'000
<b>Departmental other revenues</b>		
Sales of Goods and Services	4,660	5,620
Revenue from other sources	3,658	3,633
<b>Total departmental other revenues available to be used</b>	<b>8,318</b>	<b>9,253</b>

### 2.4: MOVEMENTS OF ADMINISTERED FUNDS

### 2.5: SPECIAL APPROPRIATIONS

Sections 2.4 to 2.5 are not applicable to ARPANSA.



## 2.6: MOVEMENTS IN SPECIAL ACCOUNTS

Special accounts provide a means to set aside and record amounts used for specified purposes. Special Accounts can be created by a Finance Minister's Determination under the *Financial Management and Accountability Act 1997*. These Determinations may be disallowed by the Parliament. Special Accounts can also be established by the passage of separate legislation. Abolition of Special Accounts requires a Determination to be made by the Finance Minister or, for those Accounts established by legislation, by repeal of the legislation in whole or part. Table 2.6 shows the expected additions (credits) and reductions (debits) for each account used by ARPANSA.

**Table 2.6: Estimates of Special Account Cash Flows and Balances**

	Opening balance	Receipts	Payments	Adjustments	Closing balance
	<b>2007-08</b>	<b>2007-08</b>	<b>2007-08</b>	<b>2007-08</b>	<b>2007-08</b>
	<i>2006-07</i>	<i>2006-07</i>	<i>2006-07</i>	<i>2006-07</i>	<i>2006-07</i>
	\$'000	\$'000	\$'000	\$'000	\$'000
Australian Radiation Protection and Nuclear Safety Agency - <i>S21 FMA Act 1997</i> (D)	<b>3,760</b>	<b>29,439</b>	<b>29,701</b>	-	<b>3,498</b>
	<i>4,360</i>	<i>22,579</i>	<i>23,179</i>	-	<i>3,760</i>
<b>Total special accounts</b>					
<b>2007-08 Budget estimate</b>	<b>3,760</b>	<b>29,439</b>	<b>29,701</b>	-	<b>3,498</b>
Total special accounts					
2007-08 estimate actual	4,360	22,579	23,179	-	3,760

D = Departmental. A = Administered.

Acts Glossary

FMA Act = *Financial Management and Accountability Act 1997*

## 2.7: ADMINISTERED CAPITAL AND DEPARTMENTAL EQUITY INJECTIONS AND LOANS

In 2007-08, ARPANSA will receive an additional \$3.6 million equity injection. This will upgrade IT and infrastructure to support research development in support of the 2007-08 Budget measures.

## Section 3: Outcome Objectives

General Government Sector agencies are required to plan, budget and report under an outcome structure. General Government Sector agencies produce outputs (departmental outputs) and also administer activities and programs on behalf of the government (administered programs).

This section summarises how the resources identified in Section 2 will be used to contribute to the outcome for ARPANSA. Emphasis is placed on estimating the contribution to outcomes through outputs delivered by ARPANSA. Key performance measures and performance evaluation activities are specified for the outcome. More detailed information on the outputs attributes is maintained by ARPANSA for internal management purposes.

### 3.1: SUMMARY OF OUTCOME AND CONTRIBUTION TO OUTCOME

The relationship between activities of ARPANSA and the outcome is summarised in Figure 1.

**Figure 1: Contributions to Outcome**

<b>Australian Radiation Protection and Nuclear Safety Agency</b>		
Chief Executive Officer – Dr John Loy		
<b>Outcome – The Australian people and the environment are protected from the harmful effects of radiation</b>		
Total price of outputs		\$25.120m
Total departmental appropriations		\$15.867m
Total administered appropriations		\$0m
Output Group 1	Total price of outputs	\$8.754m
<b>National Leadership in Radiation Protection and Nuclear Safety</b>		
Output Group 2	Total price of outputs	\$11.673m
<b>Knowledge, Information and Services Relating to Radiation Protection and Nuclear Safety</b>		
Output Group 3	Total price of outputs	\$4.693m
<b>Regulation of Commonwealth Entities Using Radiation Sources and Facilities or Nuclear Installations</b>		



### **3.2: OUTCOME – DEPARTMENTAL AND ADMINISTERED APPROPRIATIONS**

#### **Departmental Appropriations by Outcome**

ARPANSA has total departmental appropriations of \$15.867 million in 2007-08, plus capital appropriation of \$3.600 million, bringing the overall total to \$19.467 million.

#### **Administered Appropriations by Outcome**

ARPANSA does not receive any administered appropriations.

### **3.3: OUTCOME SUMMARY**

ARPANSA works towards the outcome through its national leadership in radiation protection and nuclear safety by building knowledge, information and services relating to radiation protection and nuclear safety, and by regulating Australian Government entities using radiation sources and facilities or nuclear installations.

#### **The Year Ahead**

In 2007-08, ARPANSA will continue to contribute to the international framework for radiation protection and nuclear safety, and to work with the states and territories to promote national uniformity. A particular focus for ARPANSA will be supporting best practice for the safe and efficacious use of radiation in medicine. Another will be completing a national standard for exposures to extremely low frequency electric and magnetic fields.

ARPANSA will work with Australian Government agencies and the states and territories to implement the decisions made by the Council of Australian Governments (COAG) in its review of the security of radioactive sources. Strengthening the national and regional response capability to a radiation emergency will continue to be a priority for the Australian Government.

In 2007-08, ARPANSA will assess the application for a licence to ‘possess and control’ the High Flux Australian Reactor (HIFAR) as part of its closure project; and will also give regulatory oversight to the commissioning and operation of the Open Pool Australian Light-water (OPAL) reactor.

ARPANSA will also seek to improve the management of its regulatory activities, especially in the light of an international peer review.

#### **Key Strategic Directions for 2007-08**

During 2007-08, ARPANSA will:

- implement the decisions of the COAG review of radioactive material concerning the physical security of radioactive sources;
- continue to build national and regional capacity for the management of radiological emergencies;



- continue research and development to support radiation protection and the optimisation of the use of radiation in medicine;
- contribute to the development of the uranium industry framework in Australia;
- continue to address national uniformity of radiation protection and nuclear safety;
- undertake ongoing regulatory oversight of Australian Government activities covered by the ARPANS Act, assessing licence applications and improving compliance with the Act; and
- continue to improve the management of the regulatory function in the most effective and efficient manner.

## Major Activities

### Security of Radioactive Sources

In 2007-08, the Australian Government, through ARPANSA, will work to ensure the security of radioactive sources. Radioactive material commonly available in Australia could be acquired and used in a dispersal or exposure device. The social, economic and political ramifications would likely be significant and potentially long-term. In combating the threat of radiological terrorism, ARPANSA will work with other Australian Government agencies and the states and territories to progress implementation of the recommendations of the COAG report on the regulation of hazardous materials (radiological). The Australian Government is providing additional funding to ARPANSA to support this work.

ARPANSA will focus on implementing the Australian Code of Practice for the Security of Radioactive Sources, as well as establishing a national register for high activity sealed radioactive sources, including a secure means for communicating data.

ARPANSA will work towards the establishment of a centralised notification system for radiation regulators to report stolen, lost or orphan radioactive sources. It will also develop a uniform national approach for the transfer of high activity radioactive sources and a strategy for regaining control over orphan sources.

### Emergency Response

ARPANSA will continue to develop its operational capacity to respond to radiological emergencies by working with the relevant bodies in the Australian Government, the states and territories and international agencies. It will also take part in international exercises in Europe and within the region, and coordinate an interagency/cross portfolio working group for the evaluation of the Accident Reporting and Guidance Operating System for Australian radiation emergency arrangements.

The Australian Government will continue to provide funding in 2007-08 to help strengthen the capacity of regional countries to respond to radiation emergencies. Activities to be undertaken by ARPANSA will include the development of a web portal for the exchange of information between national competent authorities involved in radiation emergency planning within the Asian region, liaison visits and radiation emergency training.

### **Optimised Use of Radiation in Medicine**

In 2007-08, the Australian Government will provide funding to ARPANSA to enhance the safe and effective use of radiotherapy and diagnostic imaging, and to improve training for people working in the medical radiation field. The Government will also support the provision of information on techniques to reduce radiation doses to patients.

Working through the Radiation Health Committee, ARPANSA will complete a national Code of Practice on radiation protection in the medical uses of ionizing radiation. This will provide a clearer basis for state and territory regulation of radiation in medical practice. It will also support the optimisation of doses in medicine, which was the subject of a report to the CEO of ARPANSA from the Radiation Health and Safety Advisory Council.

ARPANSA will also complete the planning for, and commence the implementation of, a survey of patient doses in Australia arising from computed tomography.

### **Uranium Industry Framework**

ARPANSA will contribute to the support of the uranium industry framework established by the Australian Government with the uranium industry, by providing advice about radiation protection for the public and occupationally exposed workers arising from uranium production.

ARPANSA will work towards aligning national standards for data type, structure and storage of radiological dose records for uranium workers. It will explore options to develop a national dose register to ensure permanent records of radiological dose history are collected, maintained and retrievable. ARPANSA will continue to develop its capacity to directly measure uranium intakes by exposed workers, advise on the remediation of closed uranium mines to current standards and develop further guidance to support application of the national *Code of Practice on Radiation Protection and Radioactive Waste Management in Mining and Minerals Processing*.

### **National Uniformity in Radiation Protection and Nuclear Safety**

ARPANSA will work with the states and territories, through the Radiation Health Committee, to complete the second edition of the *National Directory for Radiation Protection*, the agreed framework for achieving uniformity in radiation protection practices between jurisdictions in Australia. It will also begin to consider the content of a third edition of the National Directory.

In the light of the Australian Government's commitment to the safe management of radioactive waste throughout Australia, ARPANSA will be seeking to complete a Code of Practice and a Safety Guide for the pre-disposal management of radioactive waste. Other significant areas of development will include a Code of Practice for applications of ionizing radiation in medicine, with supporting Safety Guides for diagnostic and interventional radiology, radiotherapy and nuclear medicine, and a Standard for maximum exposures of humans to extremely low frequency electric and magnetic fields.

### **Regulatory Oversight and Licence Assessments**

The Australian Government entities, which are subject to the ARPANSA Act, will be monitored by ARPANSA to ensure licence holders are compliant. In particular, it will address any regulatory issues flowing from the commissioning and subsequent operation of

the OPAL reactor and the commissioning of its neutron beam instruments. The commissioning and operation of a new process for the production of molybdenum from material irradiated in the OPAL reactor is also likely to be a major regulatory interest.

ARPANSA will assess submissions from licensed Australian Government entities for relevant changes with significant implications for safety and will continue to monitor other licensed Australian Government entities through its inspection program.

ARPANSA will be aiming to complete the assessment of the Australian National Science and Technology Organisation's application for a licence to have possession or control of the HIFAR reactor, including considering public submissions and advice sought from the Nuclear Safety Committee.

### **Improving the Management and Implementation of the Regulatory Framework**

In response to the Australian Government's priority for regulatory reform, ARPANSA will continue to seek to improve its regulation of Australian Government entities, so as to ensure that it is efficient and can effectively provide assurance to stakeholders and the community that the highest standards of radiation protection and nuclear safety are applied.

ARPANSA will be developing and implementing a plan of action arising from the report of an Integrated Regulatory Review Service mission conducted under the auspices of the International Atomic Energy Agency.

The major activities will include improving regulatory governance in terms of risk management of the organisation and controlled persons, and the development of the organisation and its staff. ARPANSA will undertake a number of initiatives to enhance stakeholder communication and engagement and improve the recovery of regulatory costs in accordance with the Australian Government's policy through transparent and consultative processes. ARPANSA will also develop an appropriate, progressive and comprehensive compliance and enforcement strategy.

## ARPANSA Resourcing

Table 3.1 shows how the 2007-08 Budget appropriations translate to total resourcing for ARPANSA, including revenue from government (appropriation), revenue from other sources, and the total price of outputs.

**Table 3.1: Total Resources for ARPANSA**

	Estimated actual 2006-07 \$'000	Budget estimate 2007-08 \$'000
<b>Departmental revenue</b>		
Total revenue from government (appropriations) contributing to price of departmental outputs	13,294	15,867
Total revenue from other sources	8,318	9,253
<b>Total price of departmental outputs</b> <i>(Total revenue from government and from other sources)</i>	21,612	25,120
<b>Departmental revenue by output group</b>		
Output Group 1 - National Leadership	7,319	8,754
Output Group 2 - Knowledge, Information and Services	9,713	11,673
Output Group 3 - Regulation	4,580	4,693
<b>Total price of departmental outputs</b> <i>(Total revenue from government and from other sources)</i>	21,612	25,120
<b>Total estimated resourcing for ARPANSA</b> <i>(Total price of outputs and administered appropriations)</i>	<b>21,612</b>	<b>25,120</b>
	2006-07	2007-08
<b>Average Staffing Level (number)</b>	126	137

## Contribution of Administered Programs

There are no administered programs for ARPANSA in 2007-08.

## Contribution of Departmental Outputs

### Output Group 1 – National Leadership in Radiation Protection and Nuclear Safety

Includes:

- participation in the international development of practice and guidance in radiation protection and nuclear safety;
- production of standards, codes of practice and safety guides to support national uniformity in radiation protection and nuclear safety;
- development of national guidance for radioactive waste management;
- operation of a radionuclide monitoring network and a radionuclide laboratory for the Comprehensive Test Ban Treaty Organisation; and

- implementation of measures to improve the security of radioactive sources and to strengthen response to radiological emergencies in Australia and the region.

**Output Group 2 – Knowledge, Information and Services Relating to Radiation Protection and Nuclear Safety**

Includes:

- ongoing measurement, analysis and publication of solar ultraviolet radiation in Australia;
- undertaking and publishing studies of solar ultraviolet radiation exposure in targeted groups;
- surveys and publication of doses arising from medical procedures;
- continuing to improve the capacity to measure radioactivity in the environment and personal exposure to radiation and assessment of the health effects of such exposure;
- study of levels of extremely low frequency (ELF) magnetic fields in residences;
- monitoring of mobile phone base station emissions;
- continuing oversight of research into any health effects of exposures to radio frequency and ELF electric and magnetic fields;
- undertaking a quality assurance testing program for radiopharmaceuticals used in Australia;
- provision of calibration services for dosimetry in radiotherapy and other applications;
- provision of a personal radiation monitoring service; and
- provision of an ultraviolet protection factor testing service.

**Output Group 3 – Regulation of Commonwealth Entities using Radiation Sources and Facilities or Nuclear Installations**

Includes:

- monitoring compliance with the ARPANS Act and with licence conditions;
- assessment of applications for licences under the ARPANS Act;
- preparation and promulgation of regulatory guidance; and
- liaison with licence holders and communication with Parliament and the public on matters of regulatory interest.



### Performance Information for ARPANSA

Performance information for individual outputs and output groups relating to ARPANSA are summarised in Table 3.2.

**Table 3.2: Key Performance Information for ARPANSA**

#### Performance Information for Departmental Outputs

Indicator	Measured by	Reference Point or Target
<b>Output Group 1 – National Leadership in Radiation Protection and Nuclear Safety</b>		
Security of high activity radioactive sources.	The number of unsafe radioactive sources.	Zero unsafe radioactive sources in 2007-08.
The use of radiation in the different applications in Australia is conducted in accordance with international best practice in radiation protection and nuclear safety.	Effective implementation of the <i>National Directory for Radiation Protection</i> and Standards, Codes of Practice and Safety Guides.	Agreement to, and publication and implementation of, the <i>National Directory for Radiation Protection</i> , Edition 2, including the Code of Practice on Security of Radioactive Sources by June 2008.
Australia and regional countries have effective arrangements for health and medical response to radiation emergencies.	Capability of ARPANSA on-call emergency response teams.  Strengthened regional capacity.	Sufficient teams trained to maintain response capability by June 2008.  1 regional training mission conducted by June 2008.  Secure web-portal for information exchange between regional experts established by June 2008.
<b>Price: \$8.754m</b>		

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Indicator	Measured by	Reference Point or Target
<b>Output Group 2 – Knowledge, Information and Services Relating to Radiation Protection and Nuclear Safety</b>		
The medical, occupational and ambient radiation exposures of Australians are known.	Radiation measurement programs and surveys undertaken and published.	<p>Publication of results of general radiology survey by December 2007.</p> <p>Data collection and analysis of patient doses in computed tomography by June 2008.</p> <p>The ongoing publication of results from personal ultraviolet radiation dosimetric studies in targeted population groups.</p> <p>Publication of residential survey of ELF magnetic fields by June 2008.</p> <p>Audit of sample of mobile phone base stations by June 2008.</p>
Doses used in radiotherapy treatments in Australia are accurate.	Maintenance and dissemination of the Australian primary and secondary standards of measurement of the quantities of exposure and absorbed dose for ionizing radiation.	<p>Completion of a new round of the national therapy dosimetry audit.</p> <p>Establish direct megavoltage dosimetry calibrations.</p>
Services provided in support of radiation protection are effective and efficient.	Quality and cost effectiveness of services.	<p>Maintain National Association of Testing Authorities accreditation.</p> <p>Perform services within agreed times.</p> <p>Undertake proficiency testing of services.</p>
<b>Price: \$11.673m</b>		



Indicator	Measured by	Reference Point or Target
<b>Output Group 3 – Regulation of Commonwealth Entities using Radiation Sources and Facilities or Nuclear Installations</b>		
Nuclear installations, radiation facilities, apparatus or radiation sources used by the Australian Government are operated in accordance with licence conditions.	Number of incidents and number of non-compliances.	Less than 40 incidents per annum in total. Less than 5 incidents requiring reporting within 24 hours. Less than 40 non-compliances per annum.
Regulatory processes are efficient.	Number of licence and relevant change assessments and inspection reports per staff member.	Greater than 7 per staff member per annum.
Regulatory stakeholders are satisfied with performance.	Stakeholder satisfaction surveys.	Greater than 80% of stakeholders satisfied with the services provided.
<b>Price: \$4.693</b>		

### Evaluations

ARPANSA does not plan to undertake any evaluations in 2007-08.

### Major Reviews

The International Atomic Energy Agency (IAEA) was invited by the CEO of ARPANSA to undertake an international regulatory review service mission. The purpose of the IAEA Integrated Regulatory Review Service is to assist ARPANSA to strengthen and enhance the effectiveness of the implementation of its regulatory infrastructure in nuclear radiation, radioactive waste and transport safety, and security of radioactive sources. The review will examine regulatory technical and policy issues, and compare ARPANSA practices against IAEA safety standards and, where appropriate, good practices from other jurisdictions. The review combines performance and prescriptive approaches to varying degrees.

Preparatory work was undertaken in 2006-07 by ARPANSA and the IAEA, and the mission will be concluded in 2007-08.

### Other Performance Improvement Initiatives

ARPANSA will review the way in which it carries out its services, aiming to increase efficiency and effectiveness, including through application of e-business.



## **Section 4: Other Reporting Requirements**

### **4.1: PURCHASER-PROVIDER ARRANGEMENTS**

The Therapeutic Goods Administration has a Memorandum of Understanding with ARPANSA for the testing and evaluation of radiopharmaceutical medicines for human diagnostic and therapeutic use.

Further details are available in Section 4 of the Department of Health and Ageing Budget statements.

### **4.2: COST RECOVERY ARRANGEMENTS**

It is the Australian Government's requirement that Australian Government entities regulated under the Australian Radiation Protection and Nuclear Safety legislation bear the costs of such regulation. These costs include the administration of the legislative scheme including assessing licence applications and monitoring compliance with licences. The application fees and annual licence charges set by regulation are intended to recover the cost of regulation. Estimated total cost recovery receipts for 2007-08 is \$3.633 million.

## **Section 5: Budgeted Financial Statements**

### **5.1: ANALYSIS OF BUDGETED FINANCIAL STATEMENTS**

#### **ANALYSIS OF BUDGETED FINANCIAL STATEMENTS**

An analysis of the Agency's budgeted financial statements for 2007-08 is below:

##### **Income Statement**

ARPANSA's budgeted operating surplus for 2006-07 relates to a delay in the completion of significant IT projects and the International Regulatory Review Services mission. A balanced budget is anticipated for 2007-08 in line with the forecast results.

Total operating revenue for 2007-08 is estimated at \$25.120 million and is made up of appropriation funding of \$15.867 million, revenue from goods and services of \$5.620 million and other revenue of \$3.633 million comprising licence application fees and annual licence charges associated with ARPANSA's regulatory activities.

The increase from 2006-07 estimated revenue is \$3.508 million and includes:

- additional appropriation of \$1.720 million to implement the Radiation in health care - safer and better use measure;
- additional appropriation of \$1.253 million to implement the Strengthening National Security – enhancing Australia's approach to Chemical, Biological, Radiological and Nuclear Security measure; and
- supplementation for special account interest.

In 2007-08, expenses from ordinary activities are expected to increase to \$25.120 million, an increase of 17.6 per cent from the 2006-07 estimated actual. The increase is attributable to additional expenses associated with the implementation of the above measures and completion of other major projects.

##### **Balance Sheet**

Cash balances are expected to decline slightly over the forward years.

Infrastructure, plant and equipment are expected to increase over the forward years consistent with ARPANSA's planned capital program to upgrade IT and infrastructure to support research development and capital injections received as part of the above measures.

## 5.2: BUDGETED FINANCIAL STATEMENTS TABLES

**Table 5.1: Budgeted Departmental Income Statement (for the period ended 30 June)**

	Estimated actual 2006-07 \$'000	Budget estimate 2007-08 \$'000	Forward estimate 2008-09 \$'000	Forward estimate 2009-10 \$'000	Forward estimate 2010-11 \$'000
<b>Income</b>					
<b>Revenues from ordinary activities</b>					
Appropriation revenues	13,294	15,867	15,686	15,844	15,899
Other revenues from related entities	-	-	-	-	-
Goods and services	4,660	5,620	5,620	5,620	5,620
Interest	-	-	-	-	-
Dividends	-	-	-	-	-
Resources received free of charge	-	-	-	-	-
Rents	-	-	-	-	-
Royalties	-	-	-	-	-
Correction of fundamental error	-	-	-	-	-
Other	3,658	3,633	3,563	3,668	3,668
<b>Revenues from ordinary activities</b>	<b>21,612</b>	<b>25,120</b>	<b>24,869</b>	<b>25,132</b>	<b>25,187</b>
<b>EXPENSE</b>					
<b>Expenses from ordinary activities (excluding borrowing costs expense)</b>					
Employees	11,616	13,670	13,586	13,859	14,074
Suppliers	7,869	9,258	9,059	9,049	8,889
Grants	-	-	-	-	-
Subsidies	-	-	-	-	-
Depreciation and amortisation	1,877	2,192	2,224	2,224	2,224
Correction of fundamental error	-	-	-	-	-
Other	-	-	-	-	-
<b>Expenses from ordinary activities (excluding borrowing costs expense)</b>	<b>21,362</b>	<b>25,120</b>	<b>24,869</b>	<b>25,132</b>	<b>25,187</b>
<b>Operating surplus or (deficit) from ordinary activities</b>	<b>250</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Net credit or (debit) to asset revaluation reserve	-	-	-	-	-
<b>Total changes in equity other than those resulting from transactions with owners as owners</b>	<b>250</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

ARPANSA – Agency Budget Statements – Budgeted Financial Statements

**Table 5.2: Budgeted Departmental Balance Sheet (as at 30 June)**

	Estimated actual 2006-07 \$'000	Budget estimate 2007-08 \$'000	Forward estimate 2008-09 \$'000	Forward estimate 2009-10 \$'000	Forward estimate 2010-11 \$'000
<b>ASSETS</b>					
<b>Financial assets</b>					
Cash	3,760	3,498	3,194	2,805	2,416
Receivables	1,212	1,534	1,928	2,398	2,868
Investments accounted for under the equity method	-	-	-	-	-
Other investments	-	-	-	-	-
Accrued revenues	-	-	-	-	-
Other financial assets	-	-	-	-	-
<b>Total financial assets</b>	<b>4,972</b>	<b>5,032</b>	<b>5,122</b>	<b>5,203</b>	<b>5,284</b>
<b>Non-financial assets</b>					
Land and buildings	8,548	8,226	7,635	7,560	7,050
Infrastructure, plant and equipment	4,323	8,320	9,198	9,442	10,031
Investment properties	-	-	-	-	-
Heritage and cultural assets	-	-	-	-	-
Inventories	1,558	1,558	1,558	1,558	1,558
Intangibles	1,661	1,537	1,169	919	759
Other non-financial assets	235	235	235	235	235
<b>Total non-financial assets</b>	<b>16,325</b>	<b>19,876</b>	<b>19,795</b>	<b>19,714</b>	<b>19,633</b>
<b>Total assets</b>	<b>21,297</b>	<b>24,908</b>	<b>24,917</b>	<b>24,917</b>	<b>24,917</b>
<b>LIABILITIES</b>					
<b>Interest bearing liabilities</b>					
Loans	-	-	-	-	-
Leases	-	-	-	-	-
Overdraft	-	-	-	-	-
<b>Total interest bearing liabilities</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Provisions</b>					
Employees	4,214	4,225	4,237	4,237	4,237
Other provisions	-	-	-	-	-
<b>Total provisions</b>	<b>4,214</b>	<b>4,225</b>	<b>4,237</b>	<b>4,237</b>	<b>4,237</b>
<b>Payables</b>					
Suppliers	555	555	552	552	552
Grants	-	-	-	-	-
Dividends	-	-	-	-	-
Borrowing costs	-	-	-	-	-
Other payables	640	640	640	640	640
<b>Total payables</b>	<b>1,195</b>	<b>1,195</b>	<b>1,192</b>	<b>1,192</b>	<b>1,192</b>
<b>Total liabilities</b>	<b>5,409</b>	<b>5,420</b>	<b>5,429</b>	<b>5,429</b>	<b>5,429</b>

**Table 5.2: Budgeted Departmental Balance Sheet (as at 30 June) (cont)**

	Estimated actual 2006-07 \$'000	Budget estimate 2007-08 \$'000	Forward estimate 2008-09 \$'000	Forward estimate 2009-10 \$'000	Forward estimate 2010-11 \$'000
<b>EQUITY</b>					
<b>Parent entity interest</b>					
Contributed equity	1,024	4,624	4,624	4,624	4,624
Reserves	5,364	5,364	5,364	5,364	5,364
Statutory funds	-	-	-	-	-
Retained surpluses or accumulated deficits	9,500	9,500	9,500	9,500	9,500
<b>Total parent entity interest</b>	<b>15,888</b>	<b>19,488</b>	<b>19,488</b>	<b>19,488</b>	<b>19,488</b>
<b>Outside equity interest</b>					
Contributed equity	-	-	-	-	-
Reserves	-	-	-	-	-
Retained surpluses or accumulated deficits	-	-	-	-	-
<b>Total outside equity interest</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total equity</b>	<b>15,888</b>	<b>19,488</b>	<b>19,488</b>	<b>19,488</b>	<b>19,488</b>
<b>Current assets</b>	<b>6,765</b>	<b>6,825</b>	<b>6,915</b>	<b>6,996</b>	<b>7,077</b>
<b>Non-current assets</b>	<b>14,532</b>	<b>18,083</b>	<b>18,002</b>	<b>17,921</b>	<b>17,840</b>
<b>Current liabilities</b>	<b>5,072</b>	<b>5,082</b>	<b>5,090</b>	<b>5,090</b>	<b>5,090</b>
<b>Non-current liabilities</b>	<b>337</b>	<b>338</b>	<b>339</b>	<b>339</b>	<b>339</b>

**Table 5.3: Budgeted Departmental Statement of Cash Flows (for the period ended 30 June)**

	Estimated actual 2006-07 \$'000	Budget estimate 2007-08 \$'000	Forward estimate 2008-09 \$'000	Forward estimate 2009-10 \$'000	Forward estimate 2010-11 \$'000
<b>OPERATING ACTIVITIES</b>					
<b>Cash received</b>					
Goods and services	5,151	6,150	6,276	6,205	6,205
Appropriations	13,294	15,567	15,216	15,374	15,429
Interest	-	-	-	-	-
Dividends	-	-	-	-	-
Other	476	489	474	432	432
Extraordinary items	3,658	3,633	3,563	3,668	3,668
<b>Total cash received</b>	<b>22,579</b>	<b>25,839</b>	<b>25,529</b>	<b>25,679</b>	<b>25,734</b>
<b>Cash used</b>					
Employees	11,621	13,641	13,556	13,840	14,055
Suppliers	8,915	10,317	10,134	10,085	9,925
Grants	-	-	-	-	-
Borrowing costs	-	-	-	-	-
Other	-	-	-	-	-
Extraordinary items	-	-	-	-	-
<b>Total cash used</b>	<b>20,536</b>	<b>23,958</b>	<b>23,690</b>	<b>23,925</b>	<b>23,980</b>
<b>Net cash from or (used by) operating activities</b>	<b>2,043</b>	<b>1,881</b>	<b>1,839</b>	<b>1,754</b>	<b>1,754</b>
<b>INVESTING ACTIVITIES</b>					
<b>Cash received</b>					
Purchase of property, plant, equipment and intangibles	-	-	-	-	-
Proceeds from sales of financial instruments	-	-	-	-	-
Bills of exchange and promissory notes	-	-	-	-	-
Repayments of loans made	-	-	-	-	-
Investments (s.39 FMA Act; s.18 CAC Act; s.19 CAC Act)	-	-	-	-	-
Other	-	-	-	-	-
Extraordinary items	-	-	-	-	-
<b>Total cash received</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Cash used</b>					
Purchase of property, plant equipment and intangibles	2,643	5,743	2,143	2,143	2,143
Purchase of financial instruments	-	-	-	-	-
Bills of exchange and promissory notes	-	-	-	-	-
Loans made	-	-	-	-	-
Other	-	-	-	-	-
Extraordinary items	-	-	-	-	-
<b>Total cash used</b>	<b>2,643</b>	<b>5,743</b>	<b>2,143</b>	<b>2,143</b>	<b>2,143</b>
<b>Net cash from or (used by) investing activities</b>	<b>(2,643)</b>	<b>(5,743)</b>	<b>(2,143)</b>	<b>(2,143)</b>	<b>(2,143)</b>

**Table 5.3: Budgeted Departmental Statement of Cash Flows (for the period ended 30 June) (cont)**

	Estimated actual 2006-07 \$'000	Budget estimate 2007-08 \$'000	Forward estimate 2008-09 \$'000	Forward estimate 2009-10 \$'000	Forward estimate 2010-11 \$'000
<b>FINANCING ACTIVITIES</b>					
<b>Cash received</b>					
Appropriations - contributed equity	-	3,600	-	-	-
Proceeds from issuing financial instruments	-	-	-	-	-
Proceeds from loans	-	-	-	-	-
Other	-	-	-	-	-
Extraordinary items	-	-	-	-	-
<b>Total cash received</b>	-	3,600	-	-	-
<b>Cash used</b>					
Repayments of debt	-	-	-	-	-
Capital use charge paid	-	-	-	-	-
Dividends paid	-	-	-	-	-
Other	-	-	-	-	-
Extraordinary items	-	-	-	-	-
<b>Total cash used</b>	-	-	-	-	-
<b>Net cash from/(used by) financing activities</b>	-	3,600	-	-	-
<b>Net increase or (decrease) in cash held</b>	(600)	(262)	(304)	(389)	(389)
Cash at the beginning of the reporting period	4,360	3,760	3,498	3,194	2,805
Effect of exchange rate movements on cash at the beginning of reporting period	-	-	-	-	-
<b>Cash at the end of the reporting period</b>	3,760	3,498	3,194	2,805	2,416

**Table 5.4: Departmental Statement of Changes in Equity – Summary of Movement (Budget year 2007-08)**

	Accumulated results \$'000	Asset revaluation reserve \$'000	Other reserves \$'000	Contributed equity/ capital \$'000	Total equity \$'000
<b>Opening balance as at 1 July 2007</b>					
Balance carried forward from previous period	9,500	5,364	-	1,024	15,888
Adjustment for changes in accounting policies	-	-	-	-	-
<b>Adjusted opening balance</b>	<b>9,500</b>	<b>5,364</b>	<b>-</b>	<b>1,024</b>	<b>15,888</b>
<b>Income and expense</b>					
Income and expenses recognised directly in equity:					
Gain/loss on revaluation of property	-	-	-	-	-
<b>Sub-total income and expense</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Net operating result	-	-	-	-	-
<b>Total income and expenses recognised directly in equity</b>	<b>9,500</b>	<b>5,364</b>	<b>-</b>	<b>1,024</b>	<b>15,888</b>
<b>Transactions with owners</b>					
<i>Distribution to owners</i>					
Returns on capital					
Dividends	-	-	-	-	-
Restructuring	-	-	-	-	-
Other	-	-	-	-	-
<i>Contribution by owners</i>					
Appropriation (equity injection)	-	-	-	3,600	3,600
Other:					
Restructuring	-	-	-	-	-
<b>Sub-total transactions with owners</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,600</b>	<b>3,600</b>
Transfers between equity components					
	-	-	-	-	-
<b>Estimated closing balance as at 30 June 2008</b>	<b>9,500</b>	<b>5,364</b>	<b>-</b>	<b>4,624</b>	<b>19,488</b>



**Table 5.5: Department Capital Budget Statement**

	Estimated actual 2006-07 \$'000	Budget estimate 2007-08 \$'000	Forward estimate 2008-09 \$'000	Forward estimate 2009-10 \$'000	Forward estimate 2010-11 \$'000
<b>CAPITAL APPROPRIATIONS</b>					
Total equity injections	-	3,600	-	-	-
Total loans	-	-	-	-	-
<b>Total capital appropriations</b>	-	3,600	-	-	-
<b>Represented by:</b>					
Purchase of non-financial assets	-	3,600	-	-	-
Other	-	-	-	-	-
<b>Total represented by</b>	-	3,600	-	-	-
<b>PURCHASE OF NON-FINANCIAL ASSETS</b>					
Funded by capital appropriation	-	3,600	-	-	-
Funded internally by					
Departmental resources	2,643	2,143	2,143	2,143	2,143
<b>Total</b>	2,643	5,743	2,143	2,143	2,143



**Table 5.6: Departmental Property, Plant, Equipment and Intangibles — Summary of Movement (Budget year 2007-08)**

	Land	Buildings	Other infrastructure plant and equipment	Computer software	Total
	\$'000	\$'000	\$'000	\$'000	\$'000
<b>As at 1 July 2007</b>					
Gross book value	3,300	6,295	8,122	2,248	19,965
Accumulated depreciation	-	1,047	3,799	587	5,433
<b>Opening net book value</b>	<b>3,300</b>	<b>5,248</b>	<b>4,323</b>	<b>1,661</b>	<b>14,532</b>
Additions:					
by purchase	-	478	5,065	200	5,743
by finance lease	-	-	-	-	-
from acquisitions of entities or operations (including restructuring)	-	-	-	-	-
Net revaluation increment/decrement	-	-	-	-	-
Reclassifications	-	-	-	-	-
Depreciation/amortisation expense	-	800	1,068	324	2,192
Recoverable amount write-downs	-	-	-	-	-
Other movements	-	-	-	-	-
Disposals:					
from disposal of entities or operations (including restructuring)	-	-	-	-	-
other disposals	-	-	-	-	-
<b>As at 30 June 2008</b>					
Gross book value	3,300	6,773	13,187	2,448	25,708
Accumulated depreciation	-	1,847	4,867	911	7,625
<b>Estimated closing net book value</b>	<b>3,300</b>	<b>4,926</b>	<b>8,320</b>	<b>1,537</b>	<b>18,083</b>

## 5.3: NOTES TO THE FINANCIAL STATEMENTS

The budgeted financial statements for ARPANSA are prepared for the Budget year, previous year and three forward years.

### Departmental Financial Statements

#### Budgeted Departmental Income Statement (for the period ended 30 June)

This statement provides a picture of the expected financial results for ARPANSA by identifying full accrual expenses and revenues. This highlights whether ARPANSA is operating at a sustainable level.

#### Budgeted Departmental Balance Sheet (as at 30 June)

The statement shows the financial position of ARPANSA. It enables decision-makers to track the management of ARPANSA assets and liabilities.

#### Budgeted Departmental Statement of Cash Flows (for the period ended 30 June)

Budgeted cash flows as reflected in the statement of cash flows provide important information on the extent and nature of cash flows by characterising them into expected cash flows from operating activities, investing activities and financing activities.

#### Departmental Statement of Changes in Equity – Summary of Movement (Budget year 2007-08)

This table shows the movements in equity during the Budget year.

#### Departmental Capital Budget Statement

The capital Budget statement shows all planned capital expenditure on non-financial assets, whether funded through capital appropriations for additional equity, borrowings or from funds from internal sources.

#### Departmental Property, Plant, Equipment and Intangibles – Summary of Movement (Budget year 2007-08)

This table shows budgeted acquisitions and disposals of ARPANSA's non-financial assets during the Budget year.