

AARNet National Network Cost Schedule

	1990	1991	1992	1993	1994
<i>All costs are indicated in 1989 dollar terms</i>	\$	\$	\$	\$	\$
1. Telecom Data Transmission Charges					
1.1 Megalink Communications Service	184,920	228,318	228,318	228,318	228,318
1.2 Digital Data Service	192,879	55,775			
1.3 ISDN Microlink		83,994	123,650	123,600	123,600
Telecom Charges	377,799	368,087	351,968	351,918	351,918
2. OTC Data Transmission Charges					
2.1 Bitstream Half-Circuit to Hawaii	162,000	162,000	282,000	282,000	282,000
2.2 OTC Data Access (X.25)	48,000	36,000	36,000	36,000	36,000
OTC Charges	210,000	198,000	318,000	318,000	318,000
3. AARNet National Activities					
3.1 National Network Management	251,000	221,000	221,000	221,000	251,000
3.2 Facilities Management - National Hub	25,000	25,000	25,000	25,000	25,000
3.3 Application Gateway Equipment		40,000	4,800	4,800	4,800
3.4 Network Management / Monitoring Equ	64,000	7,680	7,680	7,680	7,680
AARNet National Activities	340,000	293,680	258,480	258,480	288,480
4. National Hub AARNet Communications Equipment					
4.1 National Hub Routing Equipment	46,429	26,022	11,172	8,622	8,622
4.2 Equipment Delivery & Installation	20,000				
National Hub Equipment	66,429	26,022	11,172	8,622	8,622
5. Regional Hub AARNet Communications Equipment					
5.1 ACT	56,567	18,576	10,026	10,026	10,026
5.2 NSW	37,328	10,046	4,946	4,946	4,946
5.3 VIC	21,543	2,245	2,245	2,245	2,245
5.4 SA	21,149	15,101	6,704	4,154	4,154
5.5 WA	24,093	5,518	5,968	3,418	3,418
5.6 TAS	18,336	4,925	2,375	2,375	2,375
5.7 QLD	30,493	9,193	4,093	4,093	4,093
5.8 NT	16,300	4,875	2,325	2,325	2,325
Regional Hub Equipment	225,809	70,479	38,682	33,582	33,582
AARNet National Network Expenditure	1,220,036	956,268	978,302	970,602	1,000,602

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Calculation.

1990.

AARNet National Network Cost Schedule

All costs are indicated in 1989 dollar terms

	1990	1991	1992	1993	1994
	\$	\$	\$	\$	\$

1. Telecom Data Transmission Charges

1.1 Megalink Communications Service

Sydney - Canberra	80,520	90,054	90,054	90,054	90,054
Canberra - Melbourne	104,400	138,264	138,264	138,264	138,264
Subtotal	184,920	228,318	228,318	228,318	228,318

1.2 Digital Data Service

Perth - Melbourne	34,053	10,431			
Adelaide - Melbourne	29,742	8,994			
Hobart - Melbourne	29,742	8,994			
Darwin - Melbourne	34,053	10,431			
Brisbane - Melbourne	34,053	10,431			
Canberra - Melbourne	8,994				
Sydney - Melbourne	22,242	6,494			
Subtotal	192,879	55,775			

1.3 ISDN Microlink

Perth - Melbourne	19,231	24,708	24,708	24,708
Adelaide - Melbourne	14,245	18,060	18,060	18,060
Hobart - Melbourne	14,245	34,466	34,416	34,416
Darwin - Melbourne	19,231	24,708	24,708	24,708
Brisbane - Melbourne	15,064	20,004	20,004	20,004
Sydney	989	852	852	852
Canberra	989	852	852	852
Subtotal	83,994	123,650	123,600	123,600

Telecom Charges	377,799	368,087	351,968	351,918	351,918
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2. OTC Data Transmission Charges

2.1 Bitstream Half-Circuit to Hawaii

Melbourne - Hawaii (64K Bitstream)	162,000	162,000	282,000	282,000	282,000
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2.2 OTC Data Access (X.25)

Melbourne - Europe/Asia/U.S.	48,000	36,000	36,000	36,000	36,000
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OTC Charges	210,000	198,000	318,000	318,000	318,000
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3. AARNet National Activities

3.1 National Network Management

Network Business Manager	68,000	68,000	68,000	68,000	68,000
Network Technical Manager	68,000	68,000	68,000	68,000	68,000
Network Coordinator	55,000	55,000	55,000	55,000	55,000
Travel/Committee Meetings	30,000	30,000	30,000	30,000	30,000
Contingency (Xchnge Rate, etc)	30,000				30,000
Subtotal	251,000	221,000	221,000	221,000	251,000

AARNet National Network Cost Schedule

All costs are indicated in 1989 dollar terms					1990	1991	1992	1993	1994
					\$	\$	\$	\$	\$
3.2 Facilities Management - National Hub									
Facilities Mgmt - Uni Melb					25,000	25,000	25,000	25,000	25,000
3.3 Application Gateway Equipment									
Application gateways						40,000	4,800	4,800	4,800
3.4 Network Management / Monitoring Equipment									
Network Management software					34,000	4,080	4,080	4,080	4,080
Net Mgmt Stations					30,000	3,600	3,600	3,600	3,600
Subtotal					64,000	7,680	7,680	7,680	7,680
AARNet National Activities					340,000	293,680	258,480	258,480	288,480
4. National Hub AARNet Communications Equipment									
4.1 National Hub Routing Equipment									
AGS/2 1					14,996	1,564	1,564	1,564	1,564
CSC-4T 1					9,886	1,039	1,039	1,039	1,039
CSC-1E2T 1					8,699	907	907	907	907
CSC-4S 1					5,013	551	551	551	551
APP-LV4 2					1,584	176	176	176	176
APP-LV2 1					396	44	44	44	44
SW-BSA 1					2,506	261	261	261	261
Ethernet Interface 1					350	30	30	30	30
T1 Modem 1					3,000	450	450	450	450
ISDN Terminal Adaptors 7						21,000	3,150	3,150	3,150
T1 Modem 1							3,000	450	450
National Hub Equipment					46,429	26,022	11,172	8,622	8,622
4.2 Equipment Delivery & Installation									
					20,000				
National Hub Equipment					66,429	26,022	11,172	8,622	8,622
5. Regional Hub AARNet Communications Equipment									
5.1 ACT									
AGS/2 1					14,996	1,564	1,564	1,564	1,564
CSC-2E 0.5					2,331	243	243	243	243
CSC-4T 0.5					4,943	520	520	520	520
APP-LV4 1					792	88	88	88	88
SW-BSA 1					2,506	261	261	261	261
T1 Modem 2					6,000	900	900	900	900
ISDN Terminal Adaptor 1						3000	450	450	450
AVCC Connection					25,000	12,000	6,000	6,000	6,000
					56,567	18,576	10,026	10,026	10,026

AARNet National Network Cost Schedule

All costs are indicated in 1989 dollar terms

		1990	1991	1992	1993	1994
		\$	\$	\$	\$	\$
5.2 NSW						
AGS/2	1	14,996	1,564	1,564	1,564	1,564
CSC-2E2T	0.75	7,829	816	816	816	816
CSC-4T	0.75	7,414	779	779	779	779
APP-LV4	2	1,584	176	176	176	176
SW-BSA	1	2,506	261	261	261	261
T1 Modem	1	3,000	450	450	450	450
T1 Modem	1		3,000	450	450	450
ISDN Terminal Adaptor	1		3000	450	450	450
		37,328	10,046	4,946	4,946	4,946
5.3 VIC						
AGS/2	1	14,996	1,564	1,564	1,564	1,564
CSC-1E2T	0.3	2,900	302	302	302	302
APP-LV4	1	792	88	88	88	88
SW-BSA	1	2,506	261	261	261	261
Ethernet Interface	1	350	30	30	30	30
		21,543	2,245	2,245	2,245	2,245
5.4 SA						
AGS/2	1	14,996	1,564	1,564	1,564	1,564
CSC-1E1T	0.5	2,856	302	302	302	302
APP-LV4	1	792	88	88	88	88
SW-BSA	1	2,506	261	261	261	261
CSC-4T	1		9,886	1,039	1,039	1,039
T1 Modem	1			3,000	450	450
ISDN Terminal Adaptor	1		3000	450	450	450
		21,149	15,101	6,704	4,154	4,154
5.5 WA						
AGS/2	1	14,996	1,564	1,564	1,564	1,564
CSC-1E2T	0.7	5,799	605	605	605	605
APP-LV4	1	792	88	88	88	88
SW-BSA	1	2,506	261	261	261	261
T1 Modem	1			3,000	450	450
ISDN Terminal Adaptor	1		3000	450	450	450
		24,093	5,518	5,968	3,418	3,418
5.6 TAS						
MGS/2	1	12,004	1,252	1,252	1,252	1,252
CSC1E2S	0.7	4,221	440	440	440	440
APP-LV2	1	396	44	44	44	44
SW-BSM	1	1,715	189	189	189	189
ISDN Terminal Adaptor	1		3000	450	450	450
		18,336	4,925	2,375	2,375	2,375
5.7 QLD						
AGS/2	1	14,996	1,564	1,564	1,564	1,564
CSC-4T	1	9,886	1,039	1,039	1,039	1,039
CSC-2E1S1T	0.25	2,314	241	241	241	241
APP-LV4	1	792	88	88	88	88
SW-BSA	1	2,506	261	261	261	261
T1 Modem	1		3,000	450	450	450
ISDN Terminal Adaptor	1		3000	450	450	450
		30,493	9,193	4,093	4,093	4,093

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			1990	1991	1992	1993	1994
<i>All costs are indicated in 1989 dollar terms</i>			\$	\$	\$	\$	\$
5.8 NT							
	MGS/2	1	12,004	1,252	1,252	1,252	1,252
	CSC1E1S	0.5	2,383	412	412	412	412
	APP-LV1	1	198	22	22	22	22
	SW-BSM	1	1,715	189	189	189	189
	ISDN Terminal Adaptor	1		3000	450	450	450
			16,300	4,875	2,325	2,325	2,325
Regional Hub Equipment			225,809	70,479	38,682	33,582	33,582
AARNet National Budget			1,220,036	956,268	978,302	970,602	1,000,602

Notes:

- 1 Commencement date for Sydney - Canberra - Melbourne Megalink - 1 July 1990
- 2 Brisbane-Sydney and Perth-Adelaide-Melbourne Megalink are not included in this configuration
- 3 DDS links operational from 1 April 1990 until 1 April 1991
- 4 ISDN Links installed 1 April 1991
- 5 1992 ISDN schedule assumes additional Megalink capacity (Parth, Adelaide, Perth) installed
- 6 OTC costs include upgrade to 128K half circuit 1 January 1992
- 7 Equipment schedules assume purchase at 1 April 1990, and assumes maintenance component in 1990
- 8 Equipment purchase price at 0.77 +/- 0.2 exchange rate against \$US

All costs are indicated in 1989 dollar terms

		AARNet Regional Net. /k Costs				
		1990	1991	1992	1993	1994
		\$	\$	\$	\$	\$
University of Sydney	16 Line SLIP server	6,400	960	960	960	960
	CSC-2E2T 0.25	2,474	272	272	272	272
	Ethernet Transceiver + AUI cable 1	350	12	12	12	12
		9,224	1,244	1,244	1,244	1,244
University of Technology, Sydney	Hybridge configured	13,126	1,343	1,343	1,343	1,343
	CSC-4T 0.25	2,491	260	260	260	260
	Telecom-DDS	15,744				
	Telecom-ISDN		10,216	3,516	3,516	3,516
		31,361	11,819	5,119	5,119	5,119
The University of New South Wales	Hybridge configured	13,126	1,343	1,343	1,343	1,343
	CSC-4T 0.25	2,491	260	260	260	260
	Telecom-DDS	15,744				
	Telecom-ISDN		9,014	2,664	2,664	2,664
		31,361	10,617	4,267	4,267	4,267
The University of Newcastle	Hybridge configured	13,126	1,343	1,343	1,343	1,343
	CSC-4T 0.25	2,491	260	260	260	260
	Telecom-DDS	23,600				
	Telecom-ISDN		18,268	11,568	11,568	11,568
		39,217	19,871	13,171	13,171	13,171
The Macquarie University	Hybridge configured	13,126	1,343	1,343	1,343	1,343
	CSC-4T 0.25	2,491	260	260	260	260
	Telecom-DDS	15,744				
	Telecom-ISDN		10,056	3,708	3,708	3,708
		31,361	11,661	5,311	5,311	5,311
The University of Western Sydney	Hybridge configured	13,126	1,343	1,343	1,343	1,343
	CSC-4T 0.25	2,491	260	260	260	260
	Telecom-DDS	15,744				
	Telecom-ISDN		11,260	4,560	4,560	4,560
		31,361	12,863	6,163	6,163	6,163
The University of Wollongong	Hybridge configured	13,126	1,343	1,343	1,343	1,343
	CSC-4T 0.25	2,491	260	260	260	260
	Telecom-DDS	23,600				
	Telecom-ISDN		15,806	15,456	15,456	15,456
		39,217	17,409	17,059	17,059	17,059
University of New England	Hybridge configured	13,126	1,343	1,343	1,343	1,343
	CSC-4T 0.25	2,491	260	260	260	260
	Telecom-DDS	27,875	23,760	23,760	23,760	23,760
	Telecom-ISDN		43,492	25,363	25,363	25,363

		AARNet Regional Network Costs			
		1990	1991	1992	1994
All costs are indicated in 1989 dollar terms		\$	\$	\$	\$
Charles Sturt University					
Hybridge configured	1	13,126	1,343	1,343	1,343
CSC-4T	0.25	2,491	260	260	260
Telecom-DDS		27,875	23,760	23,760	23,760
		43,492	25,363	25,363	25,363
Catholic College of Education, Sydney					
Telecom-DMS		3,890	2,760	2,760	2,760
		3,890	2,760	2,760	2,760
CSIRO - North Ryde					
AGS/2	1	14,214	1,564	1,564	1,564
CSC-4T	0.25	2,491	260	260	260
Telecom-DDS		15,744	11,260	4,560	4,560
Telecom-ISDN		32,449	13,004	6,304	6,304
Facilities Management (Unit of Sydney)					
NSWARN Regional Development Activities		25,000	25,000	25,000	25,000
NSWARN Regional Management Funding		35,000	35,000	35,000	35,000
		5,000	5,000	5,000	5,000
NSW TOTALS		401,425	217,052	177,202	177,202

AUSTRALIAN CAPITAL TERRITORY REGIONAL NETWORK

Australian National University		2,331	243	243	243
Ethernet Transceiver + AUI cable	1	350	12	12	12
		2,681	255	255	255
Australian Defence Force Academy					
Hybridge configured	1	13,126	1,343	1,343	1,343
CSC-4T	0.25	2,491	260	260	260
Telecom-DDS		15,744	10,216	3,516	3,516
Telecom-ISDN		31,361	11,919	5,119	5,119
Canberra College of Advanced Education					
Hybridge configured	1	13,126	1,343	1,343	1,343
CSC-4T	0.25	2,491	260	260	260
Telecom-DDS		15,744	9,014	2,664	2,664
Telecom-ISDN		31,361	10,419	4,109	4,109
Facilities Management (ANU)					
		15,000	15,000	15,000	15,000
ACT TOTALS		80,403	37,691	24,641	24,641

all costs are indicated in 1989 dollar terms

QUEENSLAND REGIONAL NETWORK

		AARNet Regional Network Costs			
		1990	1991	1992	1993
		\$	\$	\$	\$
The University of Queensland	X.25 Gateway Server	20,000	6,000	6,000	6,000
	PSE to Gateway Server X.25 connections		4,000	4,000	4,000
	16 Line SLIP service	6,400	2,200	2,200	2,200
	CSC - 2E2T	4,947	544	544	544
	Ethernet Transceiver + AUI cable	700	24	24	24
		32,047	12,768	12,768	12,768
Griffith University	Hybridge configured	13,126	1,343	1,343	1,343
	CSC - 2E2T	2,610	272	272	272
	Part costs of 2Mbps service	12,984	12,984	12,984	12,984
		28,720	14,599	14,599	14,599
James Cook University of North Queensland	Hybridge configured	13,126	1,343	1,343	1,343
	CSC - 2E2T	2,610	272	272	272
	Telecom-IDS	38,736	35,976	35,976	35,976
		54,472	37,591	37,591	37,591
Queensland University of Technology	Hybridge configured	13,126	1,343	1,343	1,343
	CSC-4T	2,491	260	260	260
	Telecom-DDS	15,744			
	Telecom-ISDN	1,500	1,500	1,500	1,500
	Extending ADS Service (for X.25 link)	4,000	4,000	4,000	4,000
		36,861	10,303	10,303	10,303
Capricornia Institute of Advanced Education	Telecom-DDS	13,131	10,716	10,716	10,716
	UQ PSE Service	4,000	4,000	4,000	4,000
		17,131	14,716	14,716	14,716
Darling Downs Institute of Advanced Education	Telecom-DDS	11,847	9,432	9,432	9,432
	UQ PSE Service	4,000	4,000	4,000	4,000
		15,847	13,432	13,432	13,432
CSIRO (Mill Rd)	Telecom-DMS	3,890	2,760	2,760	2,760
	Hybridge configured	15,617	1,603	1,603	1,603
		19,507	4,363	4,363	4,363
Facilities Management (UQ)		25,000	25,000	25,000	25,000
	QARN Regional Development Activities	35,000	35,000	35,000	35,000
	QARN Regional Management Funding	5,000	5,000	5,000	5,000
		269,585	180,432	174,132	174,132
QUEENSLAND TOTALS					

AARNet Regional Network Costs	
Year	Costs
1990	\$
1991	\$
1992	\$
1993	\$
1994	\$

AAWNet Regional Network Costs

VICTORIAN TOTALS

All costs are indicated in 1989 dollar terms

		AARNet Regional Network Costs			
		1990	1991	1992	1994
		\$	\$	\$	\$
SOUTH AUSTRALIAN REGIONAL NETWORK					
The University of Adelaide	16 Line SLIP service	6,400	2,200	2,200	2,200
	CSC-1EIT 0.5	2,875	302	302	302
	Ethernet Transceiver + AUI cable 1	350	12	12	12
		9,625	2,502	2,502	2,502
South Australian College of Advanced Education	Fibre Optic Cable Installation	17,000			
	Ethernet Repeater	5,000	1,667	1,667	1,667
	CSC - 2E2T 0.25	2,610	272	272	272
		24,610	1,939	1,939	1,939
The Flinders University of South Australia	Hybridge configured	13,126	1,343	1,343	1,343
	CSC - 2E2T 0.25	2,610	272	272	272
	Telecom-DDS	15,744			
	Telecom-ISDN	11,260	4,560	4,560	4,560
		31,480	12,875	6,175	6,175
South Australian Institute of Technology	Fibre Optic Cable Installation	17,000			
	Ethernet Repeater	5,000	1,667	1,667	1,667
	CSC - 2E2T 0.25	2,610	272	272	272
		24,610	1,939	1,939	1,939
CSIRO (SA)	Hybridge configured	13,126	1,343	1,343	1,343
	CSC - 2E2T 0.25	2,609	272	272	272
	Telecom-DDS	15,744			
	Telecom-ISDN	12,398	6,048	6,048	6,048
		31,479	14,013	7,663	7,663
Facilities Management (Unit of Adelaide)		12,500	12,500	12,500	12,500
	SAARN Regional Development Activities	12,500	12,500	12,500	12,500
	SAARN Regional Management Funding	2,000	2,000	2,000	2,000
		14,000	40,107	47,317	47,317
SOUTH AUSTRALIAN TOTALS					
TASMANIAN REGIONAL NETWORK					
University of Tasmania	8 Line SLIP service	4,900	1,900	1,900	1,900
	CSC-1EIT 0.5	2,900	302	302	302
	Ethernet Transceiver + AUI cable 1	350	12	12	12
		7,750	1,814	1,814	1,814
Facilities Management (Unit Tas)		12,500	12,500	12,500	12,500
		20,250	14,314	14,314	14,314
TASMANIAN TOTALS					

All costs are indicated in 1989 dollar terms

AARNet Regional Network Costs

WESTERN AUSTRALIAN REGIONAL NETWORK

			1990	1991	1992	1993	1994
			\$	\$	\$	\$	\$
The University of Western Australia	Ethernet Transceiver + AUI cable	CSC-1E2T 0.33	2,900	302	302	302	302
		1	350	12	12	12	12
			3,250	314	314	314	314
Murdoch University	Hybridge configured CSC-4T Telecom DDS Telecom-ISDN	1	13,126	1,343	1,343	1,343	1,343
		0.25	2,491	260	260	260	260
			15,744	11,260	4,560	4,560	4,560
			31,361	12,663	6,163	6,163	6,163
Curtin University of Technology	Hybridge configured CSC-4T Telecom-DDS Telecom-ISDN	1	13,126	1,343	1,343	1,343	1,343
		0.25	2,491	260	260	260	260
			2,760	10,058	3,708	3,708	3,708
			18,377	11,661	5,311	5,311	5,311
Western Australian College of Advanced Education	Hybridge configured CSC-4T Telecom-DDS Installation Telecom-ISDN	1	13,126	1,343	1,343	1,343	1,343
		0.25	2,491	260	260	260	260
			15,744	10,216	3,516	3,516	3,516
			31,361	11,819	5,119	5,119	5,119
CSIRO (WA)	Hybridge configured CSC-4T Telecom-DDS Telecom-ISDN	1	13,126	1,343	1,343	1,343	1,343
		0.25	2,491	260	260	260	260
			15,744	10,058	3,708	3,708	3,708
			31,361	11,661	5,311	5,311	5,311
WA TOTALS	Facilities Management (WARCC) WAARN Regional Development Activities WAARN Regional Management Fundings		12,500	12,500	12,500	12,500	12,500
			12,500	12,500	12,500	12,500	12,500
			12,500	2,000	2,000	2,000	2,000
			142,710	78,310	49,310	49,310	49,310

NORTHERN TERRITORY REGIONAL NETWORK

Northern Territory University	Ethernet Transceiver + AUI cable	CSC-1E1T 0.5	2,875	302	302	302	302
		1	350	12	12	12	12
			3,225	314	314	314	314
NT TOTALS	Facilities Management (NTU)		12,500	12,500	12,500	12,500	12,500
			15,725	12,814	12,814	12,814	12,814

All costs are indicated in 1989 dollar terms

	AARNet Regional Network Costs				
	1990	1991	1992	1993	1994
Total Expenditure Regional Network					
NSW	401,425	217,052	177,202	177,202	177,202
ACT	80,403	37,691	24,641	24,641	24,641
QLD	269,585	180,832	174,132	174,132	174,132
VIC	196,326	107,552	81,452	81,452	81,452
TAS	20,250	14,314	14,314	14,314	14,314
SA	148,804	60,267	47,217	47,217	47,217
WA	142,710	75,318	49,218	49,218	49,218
NT	15,725	12,814	12,814	12,814	12,814
	1,275,227	705,839	580,989	580,989	580,989

	<u>Operating Grant</u> 1990 \$000	<u>1990 Network Funding</u> AARNet \$	<u>June Estimate (a)</u> 1990
Recommended Contributions by Universities for 1990			
The University of Adelaide	85,911	41,050	27,842
Australian National University	173,873	83,080	76,960
Curtin University of Technology	75,479	36,065	45,028
Deakin University (b)	45,613	21,795	38,991
The Flinders University of SA	44,825	21,418	16,603
Griffith University (c)	50,573	24,165	35,460
James Cook University of North QLD	36,346	17,367	29,740
La Trobe University	84,817	40,527	41,170
The Macquarie University (d)	68,926	32,934	37,565
The University of Melbourne	173,360	82,835	66,447
Monash University	116,326	55,583	47,556
Murdoch University	36,665	17,519	26,876
The University of Newcastle (e)	70,695	33,780	38,958
University of New England (f)	75,994	36,312	41,958
The University of New South Wales (g)	174,065	83,172	85,117
Northern Territory University	16,002	7,646	20,414
The University of Queensland (h)	157,681	75,343	81,178
Queensland University of Technology (i)	55,926	26,723	37,159
University of Sydney (j)	203,913	97,434	92,754
University of Tasmania	48,995	23,411	27,232
University of Technology, Sydney (k)	79,108	37,799	43,137
The University of Western Australia	84,487	40,370	50,251
The University of Western Sydney (l)	59,450	28,406	32,506
The University of Wollongong	50,732	24,241	31,350
	2,069,762	988,975	1,072,252

Recommended Contributions by Colleges for 1990

Australian Maritime College	8,154		1,616
Ballarat CAE	16,758		3,191
Bendigo CAE	14,569		2,788
Brisbane University College	5,646		14,771
Canberra College of Advanced Education	33,250	15,888	13,071
Catholic College of Education, Sydney	10,031	4,793	1,575
Capricornia IAE	20,922	9,997	8,405
Charles Sturt University	46,965	22,441	19,408
Chisholm Institute of Technology	39,168		7,411
Darling Downs IAE	28,920	13,819	11,354
Gippsland IAE	14,269		2,721
Gold Coast CAE	6,657		1,851
Phillip Institute of Technology	28,897		5,591
Roseworthy Agricultural College	6,188		1,571
South Australian CAE	52,841	25,249	13,881
South Australian Institute of Technology	42,794	20,448	10,751
Swinburne	34,147		6,631
Tasmanian State Institute of Technology	17,031		3,171
University of Technology, Melbourne	106,903	51,080	23,194
Victorian College of the Arts	6,024		1,191
Victorian College of Pharmacy	4,365		861
Victorian College of Agriculture and Horticulture	2,328		461
Western Australian CAE	50,155	23,965	23,611
Australian Defence Force Academy (m)	8,000	3,823	13,411
Victorian Regional University (n)			19,511
	604,982	191,502	212,011

	<u>Operating Grant</u> 1990 \$'000	<u>1990 Network Funding</u> AARNet \$	<u>June Estimate (a)</u> 1990
		988,975	
Recommended Contributions by CSIRO for 1990			
CSIRO		200,000	160,000
CSIRO - NSW		34,722	21,454
CSIRO - QLD		23,078	18,571
CSIRO - VIC		35,646	19,584
CSIRO - SA		33,979	
CSIRO - WA		33,861	7,436
		<u>361,286</u>	<u>227,545</u>
Australian Research Council Funding		900,000	
QTInet - Queensland State Private X25 network (o)		53,500	
TOTAL		<u>2,495,263</u>	<u>1,511,705</u>

() Figures as presented to the AVCC and ACDP for endorsement in June 1989

(b) Includes Warnambool IAE

(c) Includes the Mt Gravatt site of Brisbane CAE

(d) Includes Institute of Early Childhood Studies, Sydney CAE

(e) Includes Hunter Institute of Higher Education, Ourimbah and NSW Conservatorium (Newcastle)

(f) Includes Armidale CAE, Northern Rivers CAE, Orange Agricultural College and Coffs Harbour

(g) Includes City Art Institute, St George Institute of Education, Sydney CAE

(h) Includes Queensland Agricultural College

(i) Queensland University of Technology Membership from 18 April 1989

(j) Includes Cumberland CHS, Institute of Nursing Studies (Sydney CAE), NSW State Conservatorium, Sydney College of the Arts, Sydney Inst. of Education (Sydney CAE)

(k) Includes Kuring-gai CAE, Institute of Technical and Adult Teacher Education (Sydney CAE)

(l) Includes Werrington, Napean CAE, Hawkesbury AC, Macarthur IHE

(m) Operating grant derived from EPSTU figures

(n) This University was a possibility in previous merger scenarios, and was included in the June 1989 AARNet funding estimates

(o) This amount is funded from Queensland Institutions who are members of QTInet

The funding formulae used is proportional to 1990 operating grant.

ARC

New Grant

New Qualifications

Renewal of 30

1990 include previous 1989

1990.

988 975

191 502

361 286

900 000

53 500

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2,495,263

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