9909 Refined Packard Count (Key Acquisition and Technology Workforce Based on 30 September 1999 DMDC Data)

Prepared by

Jefferson

S O L U T I O N S

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DoD Key Acquisition and Technology Workforce (A&TWF)
30 Sept. 99 DMDC Data

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EXECUTIVE SUMMARY

This report provides the overviews and summaries for the DoD Key Acquisition and Technology Workforce (A&TWF) based on September 30, 1999 Defense Manpower Data Center (DMDC) data. The DoD Key A&TWF consisted of 138,851 civilian and military personnel as of September 30, 1999.

In his April 1997 testimony to the Congress, the Acting Under Secretary of Defense for Acquisition and Technology, USD(A&T), committed to develop a better way of identifying the DoD Acquisition Workforce (AWF). In May 1997, OUSD(A&T) contracted with Jefferson Solutions to review alternative ways of identifying the DoD AWF.

Jefferson Solutions recommended that the DoD AWF could be best identified using an updated and refined version of the approach utilized by the 1986 President's Blue Ribbon Commission on Defense Management (Packard Commission). The Jefferson Solutions methodology is detailed in its September 1997 Report. It builds on the original Packard Commission algorithm of using a combined occupational and organizational approach for identifying the DoD AWF.

In an 18 December 1997 letter, the Secretary of Defense (SecDef) forwarded the Jefferson Solutions September 1997 Report to the Congress, stating that beginning October 1, 1998, members of the AWF will be uniformly identified using the updated and refined Packard approach.

In December 1997, a DoD Acquisition Workforce Identification Working Group was formed to comply with the direction contained in the 18 December 1997 SecDef letter, to refine the Packard approach. From December 1997 through March 1998, the Working Group updated and refined the new AWF identification methodology.

The Acquisition Workforce Identification Working Group made many useful refinements to the identification model to make the workforce determination as accurate as possible. Lessons learned from an initial count were incorporated into the model. USD(A&T) memorandum, dated 20 November 1998, tasked the Services and Agencies to conduct a second count. Results of the initial and second counts are contained in Solutions April 1999 Report, "Identification of the DoD Key Acquisition and Technology Workforce". This memorandum also directed that the count for the DoD Key A&TWF be updated annually during the first few years of implementation.

The Refined Packard algorithm for identifying the DoD Key Acquisition and Technology Workforce can be briefly stated as follows:

- All occupations listed in Category I (e.g., Contracting) must be counted across DoD.
- All occupations listed in Category IIA or IIB (e.g., Electronics Engineering) must be counted whenever they are located in a listed Group IIA or IIB organization, respectively.
- All military Officers located in a listed Group IIA or IIB organization are to be considered part of the Workforce.
- All applicable key enlisted acquisition and technology positions should be added to the Workforce using Category III capability.
- All DAWIA positions, not captured above, must be added to the Workforce using Category III capability.
- Category III capability should also be used to add any key acquisition and technology positions not captured above, or to delete any (except Category I positions) that are not considered applicable.

As stated, as of September 30, 1999, the DoD Key A&TWF consisted of 138,851 civilian and military personnel. For comparison purposes, the DoD Key A&TWF, as of September 30, 1998, consisted of 146,071 civilian and military personnel.

For various reasons, the Services were unable for this Count to provide specific data (e.g., SSNs) for those Science and Technology (S&T) Performers that need to be deleted from the Key A&TWF, in accordance with the recent DACM decision to not include bench scientists in the A&TWF workforce. However, the following Service estimates, for S&T Performers, could be used to reduce the Service workforce numbers, contained in this Report:
- for Army - delete 935 civilians from ARL,
- for Navy - delete 1,990 civilians from ONR,
- and for Air Force - delete 1,936 civilians from AFRL.

Reducing the count by these 4,861 S&T Performers, would yield a DoD Key A&TWF Count of 133,990, as of September 30, 1999. Due to their small numbers, DTRA and DARPA were not required to provide an estimate of their S&T Performers at this time. A uniform adjustment to accommodate this DACM decision, will be developed for future Counts.

Tab A
Occupational Series with Titles

Occupational Series with Titles

Series	Title
150	Geography
180	Psychologist
246	Contractor Industrial Relations
301	Administration & Program
334	Computer Specialist
340	Program Management
343	Management/Program Analyst
346	Logistics Management
391	Telecommunications Specialist
392	Communications Specialist
401	General Biological Science
403	Microbiology
413	Physiologist
471	Agronomy
501	Financial Administration
505	Financial Management
510	Accounting
511	Auditing
560	Budget Analysis
690	Industrial Hygiene
801	General Engineering
803	Safety Engineering
804	Fire Prevention Engineering
806	Materials Engineering
808	Architecture
810	Civil Engineering
818	Engineering Drafting
819	Environmental Engineering
830	Mechanical Engineering
840	Nuclear Engineering
850	Electrical Engineering
854	Computer Engineering
855	Electronics Engineering
858	Biomedical Engineering
861	Aerospace Engineering
871	Naval Architecture
873	Ship Surveying
880	Mining Engineering
881	Petroleum Engineering
890	Agricultural Engineering
892	Ceramic Engineering
893	Chemical Engineering
894	Welding Engineering
896	Industrial Engineering
1021	Office Drafting

1101	General Business & Industry
1102	Contracting
1103	Industrial Property Management
1104	Property Disposal
1105	Purchasing
1130	Public Utilities Specialist
1150	Industrial Specialist
1152	Production Control
1160	Financial Analyst
1301	General Physical Science
1306	Health Physics
1310	Physics
1313	Geophysics
1315	Hydrology
1320	Chemistry
1321	Metallurgy
1330	Space Science
1340	Meteorology
1350	Geology
1360	Oceanography
1361	Navigational Information
1370	Cartography
1372	Geodesy
1373	Land Surveying
1386	Photographic Technology
1510	Actuary
1515	Operations Research
1520	Mathematics
1529	Mathematical Statistician
1530	Statistician
1550	Computer Science
1910	Quality Assurance
2003	Supply Program Management
2150	Transportation Operations

Occupational Summary Guide (OCCs)

Engineers (all 8xx OCCs)
Scientists (all 13xx & 4 xx OCCs)
Contracting (1102)
Purchasing (1105)
Business & Industry
(246, 1101, 1103, 1104, 1130, 1150, 1152 & 1910)
Math/Statistics (all 15xx OCCs, except 1550)
Admin. & Programs (301)
Management (340, 343 & 346)
Comm/Computers (334, 391, 392 & 1550)
Financial Management (1160 & all 5xx OCCs, except 511)
Auditing (511)
Supply Program Mgmt (2003)
Misc (Other Civilian OCCs Remaining)

Tab B
DoD Key Acquisition and Technology Workforce
30 Sept. 99 DMDC Data

DoD Summary Data
Key Acquisition and Technology Workforce (A&TWF)
(30 Sept. 99 DMDC Data)

By Occupation*

Engineers	40,389
Management	15,208
Contracting	18,635
Comm/Computers	8,784
Financial Mgmt.	3,784
Business & Industry	12,025
Scientists	4,368
Admin & Programs	5,276
Auditing	3,313
Math. & Statistics	2,573
Procurement Asst.	2,066
Purchasing	1,601
Supply Mgmt.	1,502
Misc./Adds	4,092
Total Civilians	123,616
Total Military	15,235
Total DoD A&TWF	138,851

*Note: For all the Occupational Summaries, the occupations in Category III are included in the summaries either under their appropriate occupation or in the misc. line.

DoD Key A&TWF (Cont)
(30 Sept. 99 DMDC Data)

By Category

Category I*	23,710
Category IIA	81,340
Category IIB**	8,417
(Cat IIB S&E	7,483)
(Cat IIB Other	934)
Category III***	10,149
(net adds)	
Total Civilians	123,616
Total Military	15,235
Total DoD A&TWF	138,851

*Note: No Category I Deletes are allowed.

**Note: Category IIB, Scientists and Engineers (S&E), identifies the Science and Technology (S&T) professionals designated as part of the DoD Key Acquisition and Technology Workforce (A&TWF). Category IIB, Other, identifies the non-S&E professionals who support the S&T mission.

***Note: In Category III, all encumbered DAWIA outlier positions are counted.

DoD Key A&TWF (Cont)
(30 Sept. 99 DMDC Data)

By Organization

Army	39,592
Navy	47,895
Air Force	29,258
Fourth Estate	22,106
Total DoD A&TWF	138,851

DoD Key A&TWF (Cont)
(30 Sept. 99 DMDC Data)

Occupations by Category

Category I

Series	Number
246	28
340	1627
1102	18,635
1103	525
1105	1,600
1150	1,295
Cat I Total	23,710

Category IIA

Series	Number
150	26
180	137
301	4,892
334	5,624
343	6,131
346	6,245
391	623
392	39
413	44
501	966
505	70
510	694
511	3,460
560	1,737
801	6,616
806	192
810	2,333
818	30
819	1,167
830	5,445
840	94
850	1,126
854	1,035
855	12,343
858	23
861	2,053
871	463
873	19
893	484

896	631
1101	3,061
1104	557
1130	19
1152	458
1301	627
1310	710
1313	15
1315	11
1320	633
1321	37
1350	128
1360	20
1370	22
1515	1,214
1520	737
1529	34
1530	36
1550	1,573
1910	5,106
2003	1,545
2150	27
Misc/Adds	28
Cat IIA Total	81,340

Category IIB S&E OCCs

Series	Number
180	238
401	25
403	12
413	16
801	383
803	10
806	362
810	16
819	14
830	617
850	108
854	119
855	2,181
861	627
871	46
892	15
893	81
896	29
1301	292
1310	1,073
1313	14

1320	317
1321	31
1330	59
1340	77
1360	75
1515	96
1520	188
1529	12
1550	302
Misc/Adds	48
Cat IIB S&E Total	7,483

Category IIB Other OCCs

Series	Number
301	168
334	202
343	233
346	21
391	21
501	84
510	18
560	78
5xx	5
1101	67
1152	9
1910	9
2003	19
Cat IIB Other Total	934

Tab C
Army Key Acquisition and Technology Workforce
30 Sept. 99 DMDC Data

Army Summary Data
Key Acquisition and Technology Workforce (A&TWF)
(30 Sept. 99 DMDC Data)

By Occupation

Engineers	13,055
Management	5,647
Contracting	4,644
Comm/Computers	2,738
Admin. & Programs	2,302
Scientists	1,743
Financial Mgmt.	1,552
Business & Industry	1,388
Math & Statistics	1,086
Supply Prog. Mgmt.	656
Purchasing	365
Misc./Adds	1,651
Total Civilians	36,827
Total Military	2,765
Total Army A&TWF	39,592

Army Summary Data (Cont)
Key Acquisition and Technology Workforce (A&TWF)
(30 Sept. 99 DMDC Data)

By Category

Category I	5,862
Category IIA	26,870
Category IIB	1,596
(Cat IIB, S&E	1,345)
(Cat IIB, Other	251)
Category III	2,499
(net adds)	
Total Civilians	36,827
Total Military	2,765
Total Army A&TWF	39,592

Army Key A&TWF (Cont)
(30 Sept. 99 DMDC Data)

By Organization

Organization	Civilians	Military	Total
Group IIA			
Corps of Engineers	6,101	291	6,392
SMDC	811	177	988
AAESA/PEO	1,616	321	1,937
AMC	23,020	696	23,716
SARDA	38	59	97
Medical Research &			
Materiel Cmd	535	436	971
Group IIB			
AR Institute	92	4	96
AR Lab	1,559	28	1,587
Other	3,055	753	3,808
Total Army A&TWF	36,827	2,765	39,592

Army Key A&TWF (Cont)
(30 Sept. 99 DMDC Data)

Occupations by Category

Category I

Series	Number
246	14
340	616
1102	4,644
1103	69
1105	365
1150	154
Cat I Total	5,862

Category IIA

Series	Number
150	26
180	60
301	2,193
334	2,011
343	2,032
346	2,869
391	345
392	6
413	41
501	108
505	28
510	438

Category IIA (Cont)

Series	Number
560	916
801	3,140
806	58
810	1,738
818	21
819	413
830	1,750
840	2
850	459
854	550
855	2,772
858	15
861	404
873	13
890	2
892	1
893	282
894	1
896	181
1101	206
1104	7
1130	1
1152	65
1301	505
1310	178
1313	12
1315	10
1320	397
1321	19
1350	122
1360	1
1370	21
1373	1
1515	605
1520	142
1529	17
1530	18
1550	186
1910	725
2003	650
2150	2
Misc./Adds	105

Cat IIA Total   26,870

Category IIB S&E OCCs

Series	Number
180	133
401	3
413	2
801	104
806	57
819	4
830	127
850	9
854	13
855	306
861	65
892	6
893	12
896	5
1301	99
1310	158
1320	44
1321	3
1340	21
1350	1
1386	1
1515	58
1520	46
1529	8
1530	5
1550	48
Misc./Adds	7
Cat IIB S&E Total	1,345

Category IIB Other OCCs

Series	Number
301	61
334	66
343	46
346	12
391	7
501	2
510	12
560	34
1101	1
1152	1
1910	4
2003	3
Misc./Adds	2
Cat IIB Other Total	251

Army Adds

Series	Number
301	48
334	63
343	29
346	43
8xx	545
1101	28
1102	251
1105	48
13xx	76
1515	182
1910	104
Other	1,082
Total	2,499

Tab D
Navy Key Acquisition and Technology Workforce
30 Sept. 99 DMDC Data

Navy Summary Data
Key Acquisition and Technology Workforce (A&TWF)
(30 Sept. 99 DMDC Data)

By Occupation

Engineers	20,536
Management	5,428
Contracting	4,124
Comm/Computers	3,937
Scientists	2,015
Business & Industry	1,931
Admin. & Programs	1,196
Math. & Statistics	1,227
Purchasing	873
Financial Mgmt.	497
Supply Prog. Mgmt.	578
Misc./Adds	1,789
Total Civilians	44,131
Total Military	3,764
Total Navy A&TWF	47,895

Navy Summary Data (Cont)
(30 Sept. 99 DMDC Data)

Key Acquisition and Technology Workforce (A&TWF)

By Category

Category I	6,094
Category IIA	30,623
Category IIB	3,792
(Cat IIB, S&E	3,505)
(Cat IIB, Other	287)
Category III	3,622
(net add)	
Total Civilians	44,131
Total Military	3,764
Total Navy A&TWF	47,895

Navy Key A&TWF (Cont)
(30 Sept. 99 DMDC Data)

By Organization

Organization	Civilians	Military	Total
Group IIA			
NAVAIR	9,385	419	9,804
NAVSUP	2,103	50	2,153
NAVSEA	16,893	321	17,214
NAVFAC	2,957	353	3,310
PEO/DRPM	2,069	330	2,399
SPAWAR	3,611	219	3,830
ASN(RDA)	175	32	207
USMC Sys Cmd	349	214	563
Group IIB			
ONR/NRL	2,186	3	2,189
Other	4,403	1,823	6,226
Total Navy A&TWF	44,131	3,764	47,895

Navy Key A&TWF (Cont)
(30 Sept. 99 DMDC Data)

Occupation by Category

Category I

Series	Number
246	7
340	744
1102	4,124
1103	67
1105	873
1150	279
Cat I Total	6,094

Category IIA

Series	Number
180	62
301	1,109
334	2,056
343	2,284
346	1,608
391	137
392	14
501	55
505	19
510	74
560	329
801	2,332
806	124
810	555
819	657
830	3,353
840	85
850	640
854	368
855	7,729
861	966
871	463
873	6
893	190
896	263
1101	565
1104	6
1130	6

1152	371
1301	57
1310	523
1320	156
1321	18
1350	5
1360	19
1515	455
1520	565
1529	15
1530	13
1550	1,277
1910	479
2003	559
2150	23
Misc./Adds	33
Cat IIA Total	30,623

Category IIB S&E OCCs

Series	Number
150	2
180	42
401	12
403	5
413	3
560	1
801	126
806	79
810	7
819	2
830	360
840	2
850	66
854	26
855	1,003
861	119
871	45
892	8
893	47
896	10
1301	93
1310	682
1313	14
1320	197
1321	27
1330	51
1340	47
1350	6
1360	75

1515	31
1520	110
1550	195
Misc./Adds	12
Cat IIB S&E Total	3,505

Category IIB Other OCCs

Series	Number
301	43
334	93
343	78
391	7
1101	43
1152	5
1910	4
2003	14
Cat IIB Other Total	287

Navy Adds

Series	Number
334	137
343	129
346	585
8xx	905
Other	1,866
Total	3,622

Tab E
Air Force Key Acquisition and Technology Workforce
 30 Sept. 99 DMDC Data

Air Force Summary Data
Key Acquisition and Technology Workforce (A&TWF)
(30 Sept. 99 DMDC Data)

By Occupation

Engineers	5,452
Contracting	4,809
Management	3,008
Financial Mgmt.	1,504
Business & Industry	1,539
Comm/Computers	1,161
Admin. & Programs	973
Math. & Stat.	194
Scientists	509
Purchasing	306
Misc./Adds	1,097
Total Civilians	20,552
Total Military	8,706
Total Air Force A&TWF	29,258

Air Force Summary Data (Cont)
Key Acquisition and Technology Workforce (A&TWF)
(30 Sept. 99 DMDC Data)

By Category

Category I	5,436
Category IIA	10,297
Category IIB	2,919
(Cat IIB, S&E	2,558)
(Cat IIB, Other	361)
Category III	1,900
(net adds)	
Total Civilians	20,552
Total Military	8,706
Total Air Force A&TWF	29,258

Air Force Key A&TWF (Cont)
(30 Sept. 99 DMDC Data)

By Organization

Organization	Civilians	Military	Total
Group IIA			
AFMC	13,321	4,572	17,893
PEO	6	30	36
ASAF(A)	100	272	372
Group IIB			
AF Office of			
Scientific Research	82	22	104
AF Research Lab	3,073	692	3,765
Other	3,970	3,118	7,088
Total Air Force A&TWF	20,552	8,706	29,258

Air Force Key A&TWF (Cont)
(30 Sept. 99 DMDC Data)

Occupations by Category

Category I

Series	Number
246	7
340	209
1102	4,809
1103	42
1105	306
1150	63
Cat I Total	5,436

Category IIA

Series	Number
180	15
301	829
334	793
343	841
346	1,708
391	29
392	3
501	730
505	16
510	132
560	400
801	763
806	6
810	30
818	2
819	90
830	222
850	14
854	63
855	1,434
861	573
896	44
1101	1,054
1152	14
1301	36
1310	9
1320	43
1515	99

1520	29
1550	96
1910	96
2003	76
Misc./Adds	8
Cat IIA Total	10,297

Category IIB S&E OCCs

Series	Number
180	63
401	8
403	7
413	11
801	143
803	8
806	224
808	2
810	7
819	8
830	129
840	2
850	33
854	77
855	862
858	6
861	438
893	22
896	13
1301	74
1310	226
1320	75
1330	8
1340	9
1370	2
1515	4
1520	32
1529	3
1550	57
Other	5
Cat IIB S&E Total	2,558

Category IIB Other OCCs

Series	Number
301	46
334	39
343	96
346	8

391	7
501	84
505	2
510	6
560	43
1101	23
1152	3
1910	1
2003	3
Cat IIB Other Total	361

Air Force Adds

Series	Number
301	98
334	94
343	51
346	95
5xx	85
8xx	234
1101	46
13xx	16
1550	20
1910	190
Other	971
Total	1,900

Tab F
Fourth Estate Key Acquisition and Technology Workforce
30 Sept. 99 DMDC Data

Fourth Estate Summary Data
Key Acquisition and Technology Workforce (A&TWF)
30 Sept. 99 DMDC Data

By Occupation

Engineers	1,346
Business & Industry	7,167
Contracting	5,058
Auditing	3,313
Management	1,125
Comm/Computers	948
Admin. & Programs	805
Financial Mgmt.	231
Scientists	101
Supply Prog. Mgmt.	268
Math. & Statistics	66
Purchasing	57
Misc./Adds	1,621
Total Civilians	22,106

Fourth Estate (Cont)
Key Acquisition and Technology Workforce (A&TWF)
30 Sept. 99 DMDC Data

By Category

Category I	6,318
Category IIA	13,550
Category IIB	110
(Cat IIB, S&E	75)
(Cat IIB, Other	35)
Category III	2,128
(net adds)	
Total Civilians	22,106

Fourth Estate Summary Data (Cont)
Key Acquisition and Technology Workforce (A&TWF)
30 Sept. 99 DMDC Data

By Organization

Organization	Civilians
DLA	16,670
DCAA	3,317
DISA	477
DTRA (Group IIB)	108
OUSD(AT&L)	244
BMDO	200
SOALC/SOCOM	63
TRICARE	202
DARPA (Group IIB)	83
Other D/A	742
Total Fourth Estate Civilians	22,106

Defense Logistics Agency (DLA)*
Key Acquisition and Technology Workforce (A&TWF)
30 Sept. 99 DMDC Data

By Category

Category I	5,552
Category IIA	9,393
Category III	1,725
(net add)	
Total DLA Civilians	16,670

*Note: It should be noted that DCMC is now the Defense Contract Management Agency, and as its own agency, it probably should report directly, and its numbers be displayed separately, for future Workforce Counts.

DLA (Cont)

By Occupation

Series	Number
340	8
1102	4,385
1103	345
1105	28
1150	789
301	646
334	701
343	776
346	37
391	32
392	3
501	65
505	14
510	37
560	63
801	309
806	2
810	8
819	4
830	120
840	7
850	13
854	51
855	389
858	7
861	109
893	11
896	148
1101	1,292
1104	543
1130	7
1152	8
1320	37
1510	3
1515	20
1910	3,889
2003	262
Misc./Adds	1,502
Total DLA Civilians	16,670

Defense Contract Audit Agency (DCAA)
Key Acquisition and Technology Workforce (A&TWF)
30 Sept. 99 DMDC Data

By Category

Category I		2
Category IIA		3,315
Total DCAA A&TWF	3,317	

By Occupation

Series		Number
340		1
511		3,313
1105		1
896		2
Total DCAA A&TWF	3,317	

Defense Information Systems Agency (DISA)
Key Acquisition and Technology Workforce (A&TWF)
30 Sept. 99 DMDC Data

By Category

Category I	201
Category IIA	272
Category III	4
Total DISA A&TWF	477

By Occupation

Series	Number
301	8
340	18
346	13
1102	183
334	67
343	44
391	79
392	13
510	8
1550	12
501	5
855	10
1130	5
1515	4
Misc./Adds	8
Total DISA A&TWF	477

Defense Threat Reduction Agency (DTRA)
Key Acquisition and Technology Workforce (A&TWF)
(Formerly, DSWA, DTSA and OSIA)
(30 Sept. 99 DMDC Data)

By Category

Category I	54
Category IIB	42
(Cat IIB, S&E	24)
(Cat IIB, Other	18)
Category III	12
Total DTRA Civilians	108

By Occupation

Series	Number
340	6
1102	45
301	13
343	5
8xx	11
13xx	13
Misc./Adds	15
Total DTRA Civilians	108

Under Secretary of Defense (AT&L), USD(AT&L)
Key Acquisition and Technology Workforce (A&TWF)
30 Sept. 99 DMDC Data

By Category

Category I	43
Category IIA	201
Total Civilians	244

By Occupation

Series	Number
301	54
340	2
343	60
8xx	51
1102	36
1150	5
1301	16
1515	8
2003	6
Other	6
Total Civilians	244

Ballistic Missile Defense Organization (BMDO)
Key Acquisition and Technology Workforce (A&TWF)
30 Sept. 99 DMDC Data

By Category

Category I	40
Category IIA	155
Category III	5
(net adds)	
Total Civilians	200

BMDO (Cont)

By Occupation

Series	Number
301	4
334	8
343	31
560	11
801	53
810	2
854	3
855	4
1102	39
1301	13
1515	18
Misc./Adds	14
Total Civilians	200

U.S. Special Operations Command (SOCOM)
Special Operations Acquisition & Logistics Center (SOALC)
Key Acquisition and Technology Workforce (A&TWF)

By Category

Category I	11
Category IIA	45
Category III	7
Total Civilians	63

By Occupation

Series	Number
301	7
334	1
343	16
346	7
501	2
560	5
801	4
1101	3
1102	11
Cat III	7
Total Civilians	63

Defense Advanced Research Project Agency (DARPA)
Key Acquisition and Technology Workforce (A&TWF)
30 Sept. 99 DMDC Data

By Category

Category I	15
Category IIB	68
(Cat IIB, S&E	51)
(Cat IIB, Other	17)
Total A&TWF	83

By Occupation

Series	Number
301	5
343	8
8xx	21
1102	15
1301	17
1515	3
334	4
1310	5
1550	2
Misc./Adds	3
Total DARPA A&TWF	83

Assistant Secretary of Defense (Health Affairs)
Key Acquisition and Technology Workforce (A&TWF)
(TRICARE)
30 Sept. 99 DMDC Data

By Category

Category I	29
Category IIA	169
Category III	4
Total A&TWF	202

By Occupation

Series	Number
301	56
334	20
343	65
1102	29
510	4
560	13
1515	5
1530	2
Misc./Adds	8
Total A&TWF	202

Other Fourth Estate
Key Acquisition and Technology Workforce (A&TWF)
30 Sept. 1999 DMDC Data

By Category

Category I	371	
Category III	371	
Other D/A A&TWF	742	

Category I

340	23
1102	315
1105	29
1150	4
Total	371

Category III

301	12
334	6
343	5
510	2
560	2
801	7
1101	275
1515	3
1910	2
Misc.	57
Total	371