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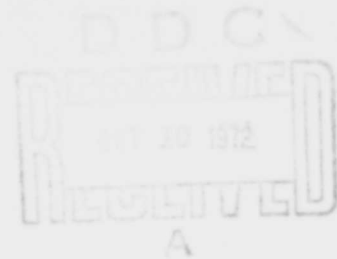
**APTITUDE LEVELS IN THE ENLISTED MANPOWER
POOL OF THE AIR FORCE: 1971**

By

Iris H. Massey
Ralph S. Hoggatt, Colonel, USAF
Lonnie D. Valentine, Jr.

PERSONNEL RESEARCH DIVISION
Lackland Air Force Base, Texas

March 1972



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13. ABSTRACT

This report provides information concerning the aptitudes of active duty Air Force personnel as of 30 June 1971. Data are presented in a manner to allow for comparisons of Air Force enlisted personnel by length of service, career area, skill level, and military grade, or combinations of these factors. The data indicate that the Air Force continues to recruit and retain airmen capable of supporting the Air Force mission. The primary value of these data is for use in force planning.

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**PERSONNEL RESEARCH DIVISION
AIR FORCE HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND
Lackland Air Force Base, Texas**

FOREWORD

This report describes the aptitude levels of the enlisted personnel in the Air Force in 1971. Work was accomplished under Project 7719, Air Force Personnel System Development on Selection, Assignment, Evaluation, Quality Control, Retention, Promotion, and Utilization; Task 771916, Assessment of Characteristics of Air Force Personnel in a Zero Draft Environment.

This report has been reviewed and is approved.

George K. Patterson, Colonel, USAF
Commander

ABSTRACT

This report provides information concerning the aptitudes of active duty Air Force personnel as of 30 June 1971. Data are presented in a manner to allow for comparisons of Air Force enlisted personnel by length of service, career area, skill level, and military grade, or combinations of these factors. The data indicate that the Air Force continues to recruit and retain airmen capable of supporting the Air Force mission. The primary value of these data is for use in force planning.

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APTITUDE LEVELS IN THE ENLISTED MANPOWER POOL OF THE AIR FORCE: 1971

I. BACKGROUND

This report is designed to provide information concerning the aptitudes of airmen in the manpower pool of the Air Force. In similar studies, data were provided for the years 1957 (McReynolds, 1958) and 1969.¹ These earlier studies asked questions such as: What aptitudes does the master sergeant in the Air Force possess? What levels of skills are available to the Air Force among enlisted personnel? How many men in the semi-technical and noncritical career areas possess the kinds and levels of aptitudes necessary for retraining into highly technical career areas needed in the operation and maintenance of new weapons systems? What are the aptitudes of career airmen and of first-term airmen who tend to reenlist? These questions are still pertinent. The Air Force needs answers to these questions in order to solve its manning problems of today and to make plans for an optimum distribution of accessions among the various career fields.

The analyses presented in this study are based on percentage distributions of aptitudes by term of enlistment, skill level, and grade level in highly technical, technical, and semi-technical career fields.

II. PROCEDURE

Computation of distributions was based on a 100 percent sample of the Uniform Airman Record file containing the active duty population of enlisted men as of June 1971. The enlisted force consisted of 624,949 airmen. In the screening of the records for these airmen, 37,450 cases were eliminated for lack of valid codes in the areas of interest. A possible source of bias resulted from this procedure in the elimination of some long-service airmen who did not have electronics aptitude scores on the Airman Qualifying Examination (AQE). The Electronics aptitude index, which was not included in the early version of the AQE, was added with Form B of the AQE in 1952

¹ Unpublished study, "Aptitude Levels in the Enlisted Manpower Pool of the Air Force: 1969," by R. S. Hoggatt, W. R. McCauley, and B. S. Griffin. The data are available to qualified users upon request to AFHRL/PH, Lackland AFB, Texas 78236.

(Leczner & Davydiuk, 1960). Since many of the records in this study were of airmen who had 30 or more years of service and who, in all probability, would be near retirement, the distribution of their aptitudes would contribute little to the projected aptitudes of the enlisted pool. Records of 12,914 entering basic airmen were also eliminated for lack of Primary Air Force Specialty Code (PAFSC). Distribution of aptitudes only for these incomplete cases are presented in Table 69, in the Appendix. The remaining 587,499 airmen constituted slightly over 94 percent of the total population.

Percentage distributions of the total population (rather than a random sample as was the case in the earlier studies) were computed for the variables of interest. In the tables, first term or first enlistment (F) is used to describe those cases with 48 months or less Total Active Federal Military Service (TAFMS). Second or subsequent enlistment, or career (C), applies to those with more than 48 months TAFMS. Data shown for the total force (TF) represent both groups combined.

In the enlisted classification system, all Air Force enlisted jobs are grouped into 48 major career fields identified by two-digit codes. These career fields have been further grouped for this study into four categories: highly technical, technical, semi-technical, and other, following the groupings of the *U. S. Air Force Personnel Report* (1957). The career fields included in each category are as follows:

Highly technical career fields

- 20 Intelligence
- 25 Weather
- 27 Command Control Systems Operations
- 29 Communications Operations
- 30 Communications-Electronics Systems
- 31 Missile Electronic Maintenance
- 32 Avionics Systems
- 34 Training Devices
- 36 Wire Communications Systems Maintenance
- 40 Intricate Equipment Maintenance
- 42 Aircraft Accessory Maintenance
- 43 Aircraft Maintenance
- 44 Missile Maintenance
- 46 Munitions and Weapons Maintenance
- 75 Education and Training

Technical career fields

- 53 Metalworking
- 54 Civil Engineering Mechanical/Electrical
- 65 Procurement
- 67 Accounting and Finance, and Auditing
- 68 Data Systems
- 69 Management Analysis
- 70 Administration
- 71 Printing
- 73 Personnel
- 82 Special Investigations and Counterintelligence
- 90 Medical
- 91 Medical
- 92 Aircrew Protection
- 98 Dental

Semi-technical career fields

- 22 Photomapping
- 23 Audio-Visual
- 24 Safety
- 47 Vehicle Maintenance
- 55 Civil Engineering Structural/Pavements
- 56 Civil Engineering Sanitation
- 58 Fabric, Leather, and Rubber
- 59 Marine
- 60 Transportation
- 61 Supply Services
- 62 Food Service
- 63 Fuel Services
- 64 Supply
- 71 Printing
- 74 Special Services
- 79 Information
- 81 Security Police

Other

All remaining career fields

Nine airman grades, ranging from E-1 to E-9, are encompassed within five skill levels ranging from skill level 1, which denotes unskilled, to skill level 9, the superintendent skill level. Generally there are two grades associated with each skill level.

Aptitude distributions are presented separately for all nine airman grades and all five skill levels in the highly technical, technical, and semi-technical career categories. Aptitude distributions are also presented for term of enlistment for each of the technical groups. In addition, percentage distributions are presented for AQE selector scores by years of service and for aptitude areas by term of service for each of the separate career fields.

III. RESULTS

The results are presented in Tables 1 through 69 in the Appendix. A brief explanatory statement is presented along with each table.

Table 1 shows the distribution of first-term and career (*i.e.*, second- or subsequent-term) personnel among the four types of career field. It is apparent from these data that the Air Force needs enlistees who can be trained for technical jobs; 71 percent of the airmen are in the highly technical and technical career fields (*i.e.*, 50 percent in highly technical and 21 percent in technical areas). Compared with the findings of the earlier study, it also appears that the jobs in the Air Force are becoming more technical in nature; 64 percent of the airmen in the earlier study were in the highly technical and technical categories (*i.e.*, 48 percent in highly technical and 16 percent in technical areas).

Tables 2, 3, 4, and 5 show distributions of aptitudes of airmen by term of enlistment for the total force and for types of career fields. Tables 6 through 14 show aptitude levels of airmen by skill level for the career field groups for the total force and for the two enlistment categories first-term and career. Table 15 presents distributions of aptitude index by grade.

Tables 16 through 18 present distributions of AQE selector scores by years of service for the total force and for grades E-4 and E-5. The selector score is that AQE aptitude index required for admission into an Air Force specialty as specified in Air Force Manual 35-1, *Military Personnel Policy Manual*. These distributions include scores from all four aptitude areas, but in each case the AQE selector score is the aptitude score appropriate for selection into the particular career field.

Tables 19 through 68 present the distributions of aptitude indexes by term of service for each of the career fields analyzed in the study. Table 69 shows the distribution of aptitude indexes of incomplete cases.

IV. CONCLUSIONS

The results of this study indicate that the Air Force is recruiting and retaining airmen capable of supporting the Air Force mission. The enlisted population contains a slightly higher proportion of first-term airmen (52 percent) than it does career airmen (48 percent). Approximately 73 percent of the total force have aptitudes of 60 or better on

the appropriate AQE selector aptitude index. High quality airmen are being retained in sufficient numbers to fill the supervisory positions and assume leadership in the various highly technical, technical, and semi-technical career areas; that is, airmen with high aptitudes are being retained in the highly technical fields.

The results further indicate a strong positive relationship between aptitude and skill level, with relatively large percentages of high-aptitude airmen in the high skill levels. Of those in skill level 9, 41 percent in the highly technical, 38 percent in the technical, and 27 percent in the semi-technical categories scored within the 90 to 95 percentile range on the AQE selector index. A similar relationship is apparent between grade and aptitude;

and, again, the AQE selector is seen to be working well. Approximately 55 percent of the E-9s and 40 percent of the E-8s have aptitude scores of 90 or better on the appropriate selector aptitude index.

Analyses of data from this study indicate that the Air Force has available in its manpower pool personnel adequately qualified to carry out its mission. In terms of ability, both first-term and career airmen are well-qualified to perform the increasingly technical work of the Air Force. Over the next few years, changes in quality of the force input will be reflected in alterations to these data; consequently, input quality, unless maintained at current levels, can impact on the overall force quality.

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APPENDIX

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Table 1. Number and Percentage Distributions of Enlisted Force by Type of Career Field

Enlistment Group	Distribution of Enlistment Group for Career Field Type									
	Highly Technical		Technical		Semi-Technical		Other		Total	
	N	%	N	%	N	%	N	%	N	%
First-term	142,185	46	67,053	22	91,376	30	6,711	2	307,325	52
Career	150,982	54	57,523	21	65,181	23	6,488	2	280,174	48
Total Force	293,167	50	124,576	21	156,557	27	13,199	2	587,499	100

It is evident that 50 percent of the total force are engaged in highly technical jobs, and a total of 71 percent are in the highly technical and technical jobs. A greater proportion (75 percent) of career personnel are assigned to the technical and highly technical career areas than is true for first-term personnel (67 percent). This same trend appeared in 1969, but it is a reversal of the trend in 1957 when it was found that a greater proportion of first-enlistment personnel was assigned to the highly technical and technical career areas.

Table 2. Percentage Distributions of Aptitude Indexes for Enlisted Force

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
	Mechanical Composite					
First-term	7.19	7.14	29.38	30.75	12.36	13.19
Career	11.27	5.20	24.49	29.44	15.84	13.76
Total Force	9.14	6.21	27.05	30.12	14.02	13.46
	Administrative Composite					
First-term	7.77	4.61	26.44	32.56	13.97	14.65
Career	10.47	4.92	23.61	31.20	17.16	12.63
Total Force	9.06	4.76	25.09	31.91	15.49	13.69
	General Composite					
First-term	3.88	4.32	24.83	35.01	17.81	14.15
Career	7.93	6.02	25.85	31.50	15.61	13.09
Total Force	5.81	5.13	25.32	33.33	16.76	13.65
	Electronics Composite					
First-term	5.91	5.64	27.01	26.59	17.09	17.77
Career	11.46	7.80	24.48	26.21	16.72	13.32
Total Force	8.56	6.67	25.80	26.41	16.92	15.65
	AQE Selector AI					
First-term	.65	.54	24.90	33.58	20.27	19.66
Career	4.50	2.34	20.60	32.25	22.00	17.47
Total Force	2.49	1.40	22.85	32.95	21.10	18.62

N = 307,325 (First-term); 280,174 (Career); 587,499 (Total force)

A large percentage of airmen possess relatively high aptitude scores. Generally, the first-term airmen have slightly higher aptitudes than the career airmen. The AQE selector AI is apparently working well: Approximately 73 percent of the total force have aptitudes of 60 or better on the selector AI.

Table 3. Percentage Distributions of Aptitude Indexes for Airmen in Highly Technical Career Fields

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	1.55	2.24	25.05	35.86	16.53	18.77
Career	5.27	2.48	20.08	33.07	20.15	18.96
Total Force	3.46	2.36	22.49	34.42	18.39	18.87
Administrative Composite						
First-term	6.20	3.96	22.35	33.18	16.54	17.79
Career	9.22	4.63	21.86	31.38	18.54	14.37
Total Force	7.75	4.31	22.09	32.25	17.57	16.03
General Composite						
First-term	2.76	3.76	19.07	34.19	21.26	18.96
Career	5.36	4.32	21.94	33.10	18.55	16.73
Total Force	4.10	4.05	20.55	33.63	19.87	17.81
Electronics Composite						
First-term	2.42	3.02	19.83	26.39	22.83	25.51
Career	6.50	4.81	20.38	28.02	21.84	18.46
Total Force	4.52	3.94	20.11	27.23	22.32	21.88
AQE Selector AI						
First-term	.25	.26	17.53	28.90	25.29	27.77
Career	2.12	1.03	15.09	32.03	26.83	22.89
Total Force	1.21	.66	16.27	30.52	26.08	25.26

N = 142,185 (First-term); 150,982 (Career); 293,167 (Total force)

The aptitudes in the highly technical career fields follow the same general pattern as that of the overall picture. However, the aptitudes run slightly higher, and there is a substantial proportion of both first-term and career airmen with high aptitude scores.

Table 4. Percentage Distributions of Aptitude Indexes for Airmen in Technical Career Fields

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	12.86	10.65	27.63	27.62	10.56	10.68
Career	17.19	7.82	26.65	26.47	12.48	9.38
Total Force	14.86	9.34	27.18	27.09	11.45	10.08
Administrative Composite						
First-term	3.98	2.56	28.48	31.99	15.10	17.87
Career	6.39	3.05	20.35	33.85	20.69	15.67
Total Force	5.10	2.79	24.73	32.85	17.68	16.86
General Composite						
First-term	4.74	5.49	20.25	35.54	19.28	14.70
Career	6.55	5.63	24.86	34.60	16.04	12.32
Total Force	5.58	5.56	22.38	35.11	17.78	13.60
Electronics Composite						
First-term	7.19	6.46	28.62	27.55	14.96	15.23
Career	11.65	8.89	27.52	28.49	13.75	9.70
Total Force	9.25	7.58	28.11	27.98	14.40	12.68
AQE Selector AI						
First-term	.37	.41	23.36	36.07	20.40	19.38
Career	3.61	1.81	19.30	36.80	22.11	16.38
Total Force	1.87	1.05	21.48	36.41	21.19	17.99

N = 67,053 (First-term); 57,523 (Career); 124,576 (Total force)

The pattern of aptitudes of the technical career fields follows the same lines as those of the total force. The first-term airmen show a slightly larger percentage of high aptitudes than the career airmen, but aptitudes are still generally high.

Table 5. Percentage Distributions of Aptitude Indexes for Airmen in Semi-Technical Career Fields

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	11.85	12.19	36.76	25.79	7.51	5.89
Career	20.20	9.23	32.30	23.84	9.03	5.40
Total Force	15.33	10.96	34.90	24.98	8.14	5.69
Administrative Composite						
First-term	12.35	6.86	31.15	33.04	9.48	7.14
Career	16.47	7.03	30.50	29.08	11.15	5.77
Total Force	14.06	6.93	30.88	31.39	10.17	6.57
General Composite						
First-term	4.75	4.23	36.57	36.72	11.93	5.80
Career	14.63	10.04	35.71	25.91	8.65	5.07
Total Force	8.86	6.65	36.21	32.22	10.56	5.50
Electronics Composite						
First-term	10.07	8.86	36.70	26.71	10.39	7.27
Career	22.38	13.54	31.29	20.55	7.85	4.40
Total Force	15.20	10.81	34.44	24.15	9.33	6.07
AQE Selector AI						
First-term	1.02	.68	36.92	39.83	13.30	8.25
Career	10.17	5.30	34.52	30.63	12.33	7.06
Total Force	4.83	2.60	35.92	36.00	12.90	7.75

N = 91,376 (First-term); 65,181 (Career); 156,557 (Total force)

There are fewer high-aptitude airmen in both the career and first-term enlistment groups than in the highly technical and technical groups; however, there are still adequate numbers of personnel with high aptitudes to carry on the work in these areas.

Table 6. Percentage Distributions of Aptitude Indexes for Skill Level Groups of First-Term Airmen in Highly Technical Career Fields

Skill Level	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
5	1.45	2.23	25.66	36.38	16.22	18.06
3	1.87	2.56	24.60	35.37	16.67	18.93
1	1.66	1.89	22.42	33.76	17.95	22.31
Administrative Composite						
5	5.85	3.99	23.00	33.63	16.27	17.26
3	7.10	4.10	21.95	32.26	16.13	18.47
1	6.94	3.63	19.38	31.91	18.42	19.72
General Composite						
5	2.66	3.83	20.08	35.00	20.62	17.81
3	2.84	3.77	17.81	33.23	21.79	20.56
1	3.17	3.38	15.25	31.04	24.02	23.13
Electronics Composite						
5	2.16	2.98	20.73	27.61	22.44	24.09
3	2.97	3.25	19.82	26.22	21.97	25.78
1	3.11	2.95	15.12	20.14	25.94	32.74
AQE Selector AI						
5	.07	.10	18.25	30.07	24.92	26.59
3	.10	.14	17.00	29.65	24.93	28.17
1	1.40	1.26	14.37	21.78	27.69	33.50

N = 19,008 (Skill level 1); 22,784 (Skill level 3); 100,312 (Skill level 5)

Skill levels 7 and 9 are not applicable to first-term airmen. The number of 7 and 9 skill level airmen is very small (81) and can be attributed to coding errors of skill levels or reporting code identifiers.

Table 7. Percentage Distributions of Aptitude Indexes for Skill Level Groups of Career Airmen in Highly Technical Career Fields

Skill Level	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
9	2.72	1.03	11.97	25.34	22.34	36.60
7	5.92	2.64	20.25	33.33	20.32	17.54
5	3.68	2.55	24.49	36.94	17.79	14.55
3	5.78	4.60	27.41	32.76	18.63	10.81
Administrative Composite						
9	6.42	1.81	14.20	25.74	22.78	29.05
7	10.35	4.99	22.43	31.47	18.50	12.26
5	5.74	4.81	24.07	34.42	15.97	14.98
3	3.96	3.10	23.23	38.01	17.34	14.35
General Composite						
9	3.65	1.32	11.87	24.59	22.48	36.09
7	6.05	4.71	22.71	33.61	18.20	14.72
5	3.23	4.46	24.86	35.87	17.65	13.93
3	1.82	2.25	22.48	42.93	18.63	11.88
Electronics Composite						
9	3.44	1.60	11.70	24.37	24.26	34.64
7	7.24	5.21	21.36	29.06	21.09	16.05
5	4.94	4.91	21.06	25.18	24.10	19.81
3	4.39	6.42	26.66	30.19	18.84	13.49
AQE Selector AI						
9	1.22	.40	8.24	22.98	25.78	41.38
7	2.54	1.21	15.42	33.23	26.95	20.65
5	.66	.52	17.93	31.78	27.18	21.94
3	.96	1.71	18.84	40.79	22.81	14.88

N = 934 (Skill level 3); 22,442 (Skill level 5); 112,243 (Skill level 7); 15,184 (Skill level 9)

The skill level 1 is not applicable to career enlistees. The 179 cases in this skill level are most likely due to coding errors.

Table 8. Percentage Distributions of Aptitude Indexes for Skill Level Groups of the Total Force in Highly Technical Career Fields

Skill Level	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
9	2.72	1.03	11.97	25.34	22.34	36.60
7	5.92	2.64	20.25	33.33	20.32	17.54
5	1.86	2.29	25.45	36.48	16.51	17.42
3	2.02	2.64	24.72	35.26	16.74	18.61
1	1.66	1.89	22.42	33.76	17.95	22.31
Administrative Composite						
9	6.42	1.81	14.20	25.74	22.78	29.05
7	10.35	4.99	22.43	31.47	18.50	12.26
5	5.83	4.14	23.19	33.77	16.22	16.85
3	6.97	4.06	22.00	32.49	16.17	18.31
1	6.94	3.63	19.38	31.91	18.42	19.72
General Composite						
9	3.65	1.32	11.87	24.59	22.48	36.09
7	6.05	4.71	22.71	33.61	18.20	14.72
5	2.77	3.95	20.95	35.16	20.07	17.10
3	2.80	3.71	17.99	33.61	21.66	20.22
1	3.17	3.38	15.25	31.04	24.02	23.13
Electronics Composite						
9	3.44	1.60	11.70	24.37	24.26	34.64
7	7.24	5.21	21.36	29.06	21.09	16.05
5	2.66	3.33	20.79	27.16	22.74	23.31
3	3.02	3.38	20.09	26.37	21.85	25.29
1	3.11	2.95	15.12	20.14	25.94	32.74
AQE Selector AI						
9	1.22	.40	8.24	22.98	25.78	41.38
7	2.54	1.21	15.42	33.23	26.95	20.65
5	.17	.18	18.19	30.39	25.34	25.74
3	.13	.21	17.07	30.09	24.85	27.65
1	1.40	1.26	14.37	21.78	27.69	33.50

There is a direct relationship between aptitude and skill level. There is a strong tendency for airmen with higher aptitudes to attain higher skill levels in the highly technical career fields.

Table 9. Percentage Distributions of Aptitude Indexes for Skill Level Groups of First-Term Airmen in Technical Career Fields

Skill Level	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
5	12.05	10.62	27.30	27.74	11.00	11.29
3	14.10	10.87	27.30	27.26	9.95	10.52
1	14.34	10.49	29.20	27.61	9.71	8.64
Administrative Composite						
5	3.56	2.47	27.86	32.25	14.78	19.07
3	4.68	2.77	27.65	31.68	16.11	17.11
1	4.68	2.64	31.77	31.44	15.06	14.41
General Composite						
5	4.63	5.61	21.41	33.77	19.16	15.41
3	5.02	5.33	18.02	37.25	19.76	14.62
1	4.81	5.27	18.75	39.78	19.16	12.22
Electronics Composite						
5	6.36	6.24	28.59	27.81	14.99	16.02
3	8.19	6.79	28.04	26.64	15.27	15.06
1	9.01	6.88	29.47	27.62	14.46	12.56
AQE Selector AI						
5	.25	.28	23.50	35.84	19.71	20.42
3	.25	.28	22.44	36.25	21.71	19.08
1	.99	1.01	24.08	36.65	21.31	15.96

N = 11,570 (Skill level 1); 13,803 (Skill level 3); 41,617 (Skill level 5)

There is a tendency for higher aptitude airmen in their first enlistment to achieve higher skill levels in the technical career fields.

Table 10. Percentage Distributions of Aptitude Indexes for Skill Level Groups of Career Airmen in Technical Career Fields

Skill Level	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
9	9.41	2.43	18.49	26.33	19.74	24.20
7	18.70	8.02	27.04	26.16	11.98	8.10
5	14.49	10.04	29.49	27.98	10.82	7.17
3	9.39	8.30	28.16	27.62	16.06	10.47
Administrative Composite						
9	2.89	.93	8.60	23.69	27.26	36.62
7	7.33	3.34	20.29	34.23	21.07	13.74
5	3.73	2.83	28.28	37.35	14.94	12.87
3	2.71	2.35	14.08	41.34	16.79	22.74
General Composite						
9	2.41	1.25	10.93	25.88	24.59	34.95
7	7.38	5.96	26.03	34.80	15.31	10.52
5	4.87	6.74	27.57	38.23	14.43	8.15
3	2.35	2.17	18.77	42.42	20.40	13.90
Electronics Composite						
9	4.39	2.83	14.89	27.74	23.63	26.51
7	12.90	9.75	28.49	28.27	12.62	7.96
5	9.77	8.17	30.18	29.77	13.61	8.50
3	6.14	5.60	25.63	31.05	16.79	14.80
AQE Selector AI						
9	1.80	.73	8.68	23.92	27.36	37.52
7	4.28	2.08	19.58	37.45	22.13	14.48
5	1.26	.97	24.78	40.58	18.87	13.54
3	1.62	1.81	11.19	44.40	21.12	19.86

N = 554 (Skill level 3); 8,066 (Skill level 5); 43,807 (Skill level 7); 4,942 (Skill level 9)

The tendency is for higher level airmen to achieve higher skill levels in the career enlistment group.

Table 11. Percentage Distributions of Aptitude Indexes for Skill Level Groups of the Total Force in Technical Career Fields

Skill Level	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
9	9.41	2.43	18.49	26.33	19.14	24.20
7	18.70	8.02	27.04	26.16	11.98	8.10
5	12.45	10.53	27.66	27.78	10.97	10.62
3	13.92	10.77	27.33	27.28	10.19	10.52
1	14.34	10.49	29.20	27.61	9.71	8.64
Administrative Composite						
9	2.89	.93	8.60	23.69	27.26	36.62
7	7.33	3.34	20.29	34.23	21.07	13.74
5	3.59	2.53	27.93	33.08	14.80	18.06
3	4.60	2.75	27.13	32.05	16.13	17.33
1	4.68	2.64	31.77	31.44	15.06	14.41
General Composite						
9	2.41	1.25	10.93	25.88	24.59	34.95
7	7.38	5.96	26.03	34.80	15.31	10.52
5	4.67	5.80	22.41	34.49	18.39	14.23
3	4.92	5.21	18.05	37.45	19.78	14.59
1	4.81	5.27	18.75	39.78	19.16	12.22
Electronics Composite						
9	4.39	2.83	14.89	27.74	23.63	26.51
7	12.90	9.75	28.49	28.27	12.62	7.96
5	6.91	6.55	28.84	28.13	14.76	14.80
3	8.11	6.74	27.95	26.81	15.33	15.05
1	9.01	6.88	29.47	27.62	14.46	12.56
AQE Selector AI						
9	1.80	.73	8.68	23.92	27.36	37.52
7	4.28	2.08	19.58	37.45	22.13	14.48
5	.41	.39	23.71	36.61	19.58	19.31
3	.30	.34	22.00	36.57	21.68	19.11
1	.99	1.01	24.08	36.65	21.31	15.96

N = 11,570 (Skill level 1); 14,357 (Skill level 3); 49,683 (Skill level 5); 43,807 (Skill level 7); 4,942 (Skill level 9)

There is a strong tendency in the total force for higher aptitude airmen to achieve higher skill levels in the technical career fields. (Table 11 is an aggregation of Tables 9 and 10.)

Table 12. Percentage Distributions of Aptitude Indexes for Skill Level Groups of First-Term Airmen in Semi-Technical Career Fields

Skill Level	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
5	10.87	12.01	34.77	27.15	8.35	6.85
3	13.25	12.75	38.26	24.11	6.70	4.94
1	14.07	12.18	43.37	22.41	4.98	2.99
Administrative Composite						
5	9.94	6.23	29.96	34.48	10.73	8.67
3	14.36	7.64	32.68	32.41	7.84	5.07
1	19.99	8.45	34.18	27.59	6.41	3.38
General Composite						
5	4.05	3.77	33.92	37.91	13.49	6.85
3	5.61	5.00	39.49	35.35	9.81	4.75
1	6.52	5.06	43.95	33.68	8.27	2.53
Electronics Composite						
5	8.44	8.04	35.09	28.39	11.49	8.56
3	11.60	9.85	39.11	24.43	9.02	5.99
1	15.04	11.03	40.16	22.84	7.55	3.39
AQE Selector AI						
5	.27	.40	33.61	40.84	15.05	9.82
3	.23	.25	41.74	39.97	11.30	6.52
1	5.69	2.63	44.27	35.13	8.58	3.70

N = 12,825 (Skill level 1); 20,726 (Skill level 3); 57,733 (Skill level 5)

There is a tendency for higher aptitude airmen to attain higher skill levels in the first term of enlistment in the semi-technical areas.

Table 13. Percentage Distributions of Aptitude Indexes for Skill Level Groups of Career Airmen in Semi-Technical Career Fields

Skill Level	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
9	9.65	3.72	21.60	26.83	17.60	20.59
7	21.53	8.95	31.51	24.01	9.09	4.92
5	18.74	11.95	38.07	22.03	6.29	2.92
3	5.32	3.64	38.94	33.33	12.89	5.88
Administrative Composite						
9	7.27	2.15	16.48	28.32	23.95	21.82
7	17.69	6.74	29.76	29.38	11.29	5.15
5	14.58	9.35	37.06	28.12	7.23	3.66
3	15.69	7.56	31.37	30.81	7.84	6.72
General Composite						
9	5.90	2.77	17.46	28.99	21.96	22.92
7	16.38	10.70	34.40	25.66	8.38	4.47
5	10.86	9.70	45.48	25.66	5.92	2.38
3	7.00	8.40	36.69	33.33	9.80	4.76
Electronics Composite						
9	9.51	5.09	21.21	26.72	18.83	18.63
7	24.03	14.12	30.76	20.13	7.23	3.73
5	20.21	13.92	35.97	20.08	6.94	2.88
3	12.61	7.84	33.61	27.73	11.76	6.44
AQE Selector AI						
9	4.42	1.48	15.19	27.36	24.79	26.75
7	11.76	5.91	32.49	31.01	12.36	6.47
5	6.15	4.16	47.41	29.83	8.65	3.81
3	1.40	2.24	31.09	41.46	16.53	7.28

N = 357 (Skill level 3); 13,030 (Skill level 5); 48,068 (Skill level 7); 3,574 (Skill level 9)

The higher aptitude career airmen tend to attain higher skill levels in the semi-technical career fields.

Table 14. Percentage Distributions of Aptitude Indexes for Skill Level Groups of the Total Force in Semi-Technical Career Fields

Skill Level	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
9	9.65	3.72	21.60	26.83	17.60	20.59
7	21.53	8.95	31.51	24.01	9.09	4.92
5	12.32	12.00	35.38	26.21	7.97	6.13
3	13.11	12.59	38.27	24.27	6.80	4.95
1	14.07	12.18	43.37	22.41	4.98	2.99
Administrative Composite						
9	7.27	2.15	16.48	28.32	23.95	21.82
7	17.69	6.74	29.76	29.38	11.29	5.15
5	10.79	6.80	31.27	33.31	10.09	7.75
3	14.38	7.64	32.66	32.39	7.84	5.10
1	19.99	8.45	34.18	27.59	6.41	3.38
General Composite						
9	5.90	2.77	17.46	28.99	21.96	22.92
7	16.38	10.70	34.40	25.66	8.38	4.47
5	5.31	4.87	36.05	35.66	12.10	6.02
3	5.63	5.06	39.44	35.31	9.81	4.75
1	6.52	5.06	43.95	33.68	8.27	2.53
Electronics Composite						
9	9.51	5.09	21.21	26.72	18.83	18.63
7	24.03	14.12	30.76	20.13	7.23	3.73
5	10.60	9.12	35.25	26.86	10.65	7.51
3	11.62	9.82	39.01	24.49	9.07	6.00
1	15.04	11.03	40.16	22.84	7.55	3.39
AQE Selector AI						
9	4.42	1.48	15.19	27.36	24.79	26.75
7	11.76	5.91	32.49	31.01	12.36	6.47
5	1.35	1.09	36.15	38.82	13.87	8.72
3	.25	.28	41.55	40.00	11.39	6.53
1	5.69	2.63	44.27	35.13	8.58	3.70

N = 12,825 (Skill level 1); 21,083 (Skill level 3); 70,763 (Skill level 5); 48,068 (Skill level 7); 3,574 (Skill level 9)

In patterns similar to those seen in the highly technical and technical career areas, the high aptitude airmen in the semi-technical career fields tend to achieve the high skill levels.

Table 15. Percentage Distributions of Aptitude Indexes for Enlisted Force by Grade Level

Grade Level	Distribution for AQE Percentile Interval						Percent Selector AI Missing
	01-25	30-35	40-55	60-75	90-95	90-95	
Mechanical Composite							
E-9	3.42	1.11	10.12	19.77	20.98	44.60	
E-8	5.14	1.80	14.25	24.77	20.84	33.21	
E-7	8.46	2.54	18.26	27.65	20.00	23.09	
E-6	11.40	4.39	23.15	30.01	17.68	13.36	
E-5	11.43	6.03	25.82	30.85	14.23	11.64	
E-4	7.06	7.01	30.73	31.50	12.04	11.66	
E-3	7.71	7.49	28.55	29.93	12.60	13.72	
E-2	9.89	8.49	32.52	28.42	10.42	10.25	
E-1	10.80	8.60	33.12	27.93	9.63	9.92	
Total Force	9.14	6.21	27.05	30.12	14.02	13.46	
Administrative Composite							
E-9	2.17	.83	8.26	19.51	23.22	46.01	
E-8	4.76	1.45	11.99	25.28	24.78	31.75	
E-7	8.48	2.48	16.84	29.19	23.14	19.88	
E-6	12.16	4.47	22.09	31.59	18.91	10.78	
E-5	9.62	5.39	25.36	32.38	15.24	12.00	
E-4	7.26	4.93	27.65	33.47	13.42	13.26	
E-3	8.50	4.81	26.00	31.75	13.84	15.11	
E-2	10.78	5.38	29.25	31.32	12.48	10.78	
E-1	12.27	6.49	30.08	28.93	11.41	10.82	
Total Force	9.06	4.76	25.09	31.91	15.49	13.69	
General Composite							
E-9	1.30	.76	6.30	18.62	22.39	50.64	
E-8	3.29	1.17	10.97	24.56	23.59	36.43	
E-7	5.87	2.38	16.97	29.42	21.83	23.52	
E-6	8.62	4.92	24.32	33.28	16.85	12.01	
E-5	7.82	7.18	27.24	32.51	14.37	10.87	
E-4	4.21	5.03	27.43	34.78	16.52	12.03	
E-3	4.24	4.49	23.95	33.92	18.05	15.35	
E-2	4.55	4.45	28.03	36.07	16.05	10.86	
E-1	5.32	5.34	30.50	34.08	14.70	10.07	
Total Force	5.81	5.13	25.32	33.33	16.76	13.65	
Electronics Composite							
E-9	2.29	1.18	8.45	19.23	22.23	46.63	
E-8	4.14	2.22	12.49	24.80	23.36	33.00	
E-7	7.36	3.79	18.28	27.79	21.77	21.00	
E-6	11.05	6.97	24.52	29.14	16.86	11.46	
E-5	12.11	8.82	25.10	25.81	15.53	12.63	
E-4	5.95	6.00	28.27	26.85	17.05	15.88	
E-3	6.48	5.88	26.68	25.17	17.03	18.75	
E-2	8.77	7.12	29.87	25.22	14.97	14.06	
E-1	9.94	7.79	31.55	22.34	15.53	12.85	
Total Force	8.56	6.67	25.80	26.41	16.92	15.65	
AQE Selector AI							
E-9	.66	.54	4.74	15.60	21.85	54.70	1.91
E-8	1.63	.56	8.46	22.16	25.60	39.57	2.02
E-7	3.31	1.05	12.45	27.26	25.57	27.38	2.97
E-6	5.09	2.01	17.93	33.93	24.00	16.49	.55
E-5	4.54	2.79	22.15	33.66	20.63	15.84	.39
E-4	.72	.70	26.31	34.28	20.07	17.50	.42
E-3	.35	.34	25.05	32.64	20.49	20.80	.33
E-2	1.90	1.19	29.11	34.01	18.22	15.40	.17
E-1	2.76	1.59	30.88	32.22	17.27	15.09	.19
Total Force	2.49	1.40	22.85	32.95	21.10	18.62	.60

N = 4,777 (E-1); 50,730 (E-2); 100,775 (E-3); 154,588 (E-4); 144,681 (E-5); 78,436 (E-6); 39,680 (E-7); 9,594 (E-8); 4,238 (E-9); 587,499 (Total force)

The aptitude score is apparently a good predictor of grade. This is especially true of the Selector AI at the E-8 and E-9 levels.

Table 16. Percentage Distributions of Aptitude Indexes for Enlisted Force by Years of Total Active Federal Military Service

Years TAFMS	N	Distribution for AQE Percentile Interval						Percent Selector AI Missing
		01-25	30-35	40-55	60-75	80-85	90-95	
Over 30	29	3.45	.00	10.34	24.14	6.90	44.83	10.34
30	198	3.03	1.01	3.54	16.16	16.16	53.54	6.57
29	595	2.35	1.68	7.56	12.44	15.29	54.45	6.22
28	944	3.60	.74	5.72	14.09	18.64	50.64	6.57
27	797	2.51	1.25	6.02	13.30	17.31	56.09	3.51
26	867	2.65	1.96	9.23	17.88	20.53	43.25	4.50
25	1,543	3.89	1.81	10.95	18.66	19.83	41.35	3.50
24	1,643	2.19	1.40	9.19	19.11	22.82	42.73	2.56
23	3,051	2.65	1.15	9.83	22.12	22.58	39.00	2.65
22	3,165	3.38	1.64	11.31	20.41	23.67	37.60	1.99
21	3,001	4.03	1.37	13.10	26.26	22.89	30.46	1.90
20	10,599	5.72	1.61	13.59	25.94	24.29	26.97	1.89
19	28,662	10.44	2.96	19.68	27.47	10.52	17.99	.95
18	21,274	9.02	2.42	19.17	29.13	21.32	17.95	.99
17	20,772	8.12	2.53	19.15	30.61	21.84	16.77	.98
16	27,689	8.50	2.83	20.61	31.48	20.93	14.79	.87
15	16,153	5.08	4.31	21.38	33.57	21.36	13.56	.73
14	13,639	2.41	5.12	22.27	37.17	21.53	10.83	.67
13	10,287	1.80	4.12	19.19	36.01	24.07	14.15	.66
12	9,614	1.77	2.88	19.84	37.00	24.55	13.52	.45
11	11,213	1.75	2.00	23.07	37.80	23.88	11.01	.49
10	13,475	2.06	2.30	26.92	37.86	20.66	9.82	.38
9	12,739	1.10	1.55	23.90	38.70	22.09	12.39	.27
8	10,250	1.37	1.90	24.69	35.64	21.99	14.00	.41
7	11,908	.56	1.25	19.60	34.79	24.14	19.16	.50
6	11,614	.51	.87	20.42	32.20	25.37	20.23	.40
5	17,015	.45	.64	22.37	34.87	21.99	19.30	.38
4	17,438	.53	.61	26.31	33.05	20.59	18.64	.26
3	68,002	.50	.56	25.98	33.40	20.25	19.01	.30
2	97,791	.41	.41	23.27	33.92	21.08	20.35	.56
1	63,332	.34	.34	23.07	33.07	20.80	22.05	.33
0	78,200	1.34	.84	27.48	33.75	18.85	17.44	.31
Total	587,499	2.49	1.40	22.85	32.95	21.10	18.62	.60

Table 17. Percentage Distributions for Selector Aptitude Indexes for Sergeants (E-4) by Years of Total Active Federal Military Service

Years TAFMS	N	Distribution for AQE Percentile Interval						Percent Selector AI Missing
		01-25	30-35	40-55	60-75	80-85	90-95	
21	4 ^a	.00	.00	50.00	25.00	25.00	.00	.00
20	29 ^a	48.28	10.34	20.69	10.34	6.90	3.45	.00
19	228	45.18	8.33	21.93	16.23	6.14	2.19	.00
18	152	29.61	5.26	27.63	16.45	11.18	9.87	.00
17	135	19.26	7.41	22.22	22.22	8.89	20.00	.00
16	200	21.50	10.50	32.00	23.50	7.00	5.50	.00
15	122	13.93	13.93	35.25	21.31	9.02	6.56	.00
14	132	2.27	14.39	36.36	30.30	12.12	4.55	.00
13	106	3.77	14.15	33.02	22.64	21.70	3.77	.94
12	139	7.19	9.35	36.69	25.90	15.11	5.76	.00
11	255	5.88	5.88	36.08	30.20	16.47	5.49	.00
10	469	6.40	5.12	42.64	29.64	11.09	5.12	.00
9	574	4.53	3.66	41.64	29.79	14.98	5.40	.00
8	965	3.63	4.04	40.93	32.23	13.68	5.28	.21
7	1,691	1.01	2.42	29.10	34.59	20.22	12.54	.12
6	2,712	1.03	1.66	30.20	30.72	24.71	11.62	.07
5	5,609	.87	1.14	33.54	33.16	19.47	11.59	.23
4	9,548	.85	.91	34.78	33.39	17.85	11.96	.26
3	49,190	.60	.66	29.51	34.19	19.24	15.49	.31
2	79,034	.32	.36	22.50	34.99	21.02	20.27	.54
1	3,282	.43	.58	17.25	32.82	21.12	26.84	.98
0	12 ^a	.00	.00	.00	66.67	25.00	8.33	.00
Total	154,588	.72	.70	26.31	34.28	20.07	17.50	.42

^aSample size so small that percentage distribution has little meaning.

This table demonstrates the difference in aptitudes for Sergeants with various years of TAFMS. As would be expected, those in the first few years have higher aptitudes than those promoted to E-4 who have failed to further promotion.

Table 18. Percentage Distributions for Selector Aptitude Indexes for Staff Sergeants (E-5) by Years of Total Active Federal Military Service

Years TAFMS	N	Distribution for AGE Percentile Interval						Percent Selector At Missing
		01-25	30-35	40-45	60-75	80-85	90-95	
30	2 ^a	50.00	.00	50.00	.00	.00	.00	.00
29	3 ^a	33.33	33.33	.00	33.33	.00	.00	.00
28	11 ^a	27.27	9.09	18.18	45.45	.00	.00	.00
27	8 ^a	25.00	.00	12.50	25.00	12.50	25.00	.00
26	18 ^a	11.11	5.56	16.67	38.89	16.67	11.11	.00
25	41 ^a	12.20	4.88	24.39	36.59	12.20	9.76	.00
24	40 ^a	10.00	2.50	20.00	17.50	25.00	25.00	.00
23	113 ^a	14.16	5.31	27.43	26.55	16.81	9.73	.00
22	148 ^a	21.62	6.08	30.41	20.27	12.16	9.46	.00
21	221 ^a	12.22	5.43	31.22	23.98	12.67	14.48	.00
20	939	18.32	6.07	24.49	27.48	13.42	10.22	.00
19	6,276	23.68	7.20	29.02	23.57	10.53	5.99	.02
18	5,400	18.11	5.20	27.50	27.57	13.57	7.98	.06
17	5,753	14.76	5.30	27.13	30.18	14.48	8.05	.10
16	9,520	13.54	4.97	27.86	31.08	14.76	7.68	.12
15	6,585	7.85	6.89	27.12	33.04	17.18	7.62	.29
14	6,295	3.51	7.61	27.01	35.30	18.59	7.63	.37
13	5,378	2.58	5.60	22.95	35.89	22.03	10.65	.30
12	5,638	2.20	3.74	23.18	37.23	22.42	10.94	.28
11	7,368	2.05	2.32	26.30	37.26	22.29	9.31	.48
10	9,613	2.34	2.70	30.09	38.01	18.59	7.95	.31
9	9,757	1.12	1.76	25.74	39.40	21.00	10.68	.31
8	8,270	1.17	1.79	24.34	36.58	22.18	13.51	.44
7	9,665	.50	1.07	18.60	35.12	24.52	19.64	.56
6	8,686	.32	.63	17.48	32.82	25.72	22.51	.52
5	11,193	.24	.37	16.70	35.67	23.36	23.21	.46
4	7,590	.13	.21	15.34	32.50	24.32	27.23	.26
3	16,248	.04	.13	12.59	31.46	24.40	31.10	.29
2	3,654	.08	.11	9.55	30.10	24.30	35.11	.74
1	54 ^a	1.85	.00	9.26	11.11	14.81	62.96	.00
0	194 ^a	.00	.00	.52	4.64	11.34	37.11	46.39
Total	144,681	4.54	2.79	22.15	33.66	20.63	15.84	.39

^aSample size so small that percentage has little meaning.

The same comments apply to E-5s reported in this table as to E-4s reported in Table 17: High aptitude scores are seen in the first few years with scores decreasing for those who fail of further promotion as the years of service increase.

Table 19. Percentage Distributions of Aptitude Indexes for Career Airmen in the First Sergeant (10) Career Field

Aptitude Composites	Distribution for AGE Percentile Interval					
	01-25	30-35	40-45	60-75	80-85	90-95
Mechanical	9.76	4.47	21.99	28.73	17.87	17.18
Administrative	6.74	2.20	15.74	33.68	20.21	21.44
General	5.43	2.82	21.37	30.45	20.41	19.52
Electronics	9.14	5.77	22.75	28.18	18.28	15.88

N = 1,454 (Career airmen)

Table 20. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Intelligence (20) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.18	.46	8.10	31.97	24.19	35.10
Career	5.05	3.14	16.47	27.11	22.15	26.07
Total Force	2.06	1.49	11.33	30.10	23.41	31.62
Administrative Composite						
First-term	.21	.15	2.05	20.08	26.86	50.65
Career	1.05	.45	6.21	25.00	28.98	38.31
Total Force	.53	.27	3.66	21.97	27.68	45.89
General Composite						
First-term	.01	.00	.00	1.52	42.50	55.97
Career	.80	.20	3.94	14.58	37.58	42.90
Total Force	.32	.08	1.52	6.56	40.60	50.77
Electronics Composite						
First-term	.06	.20	2.26	19.20	27.24	51.05
Career	1.51	1.54	10.13	29.41	24.13	33.28
Total Force	.62	.71	5.29	23.13	26.04	44.20

N = 7,163 (First-term); 4,492 (Career); 11,655 (Total force)

AQE Selector AI minimum requirement: 20XXX, General 80

Table 21. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Photomapping (22) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	2.74	4.24	19.11	34.44	17.87	21.59
Career	8.85	6.20	22.08	30.27	15.38	17.20
Total Force	5.43	5.11	20.42	32.60	16.78	19.66
Administrative Composite						
First-term	2.61	2.54	23.42	39.14	17.68	14.61
Career	5.79	4.88	21.34	32.18	19.02	16.79
Total Force	4.01	3.57	22.50	36.07	18.27	15.57
General Composite						
First-term	.13	.72	10.31	39.92	29.03	19.90
Career	3.39	2.48	22.50	32.84	20.60	18.20
Total Force	1.57	1.50	15.68	36.80	25.31	19.15
Electronics Composite						
First-term	1.76	2.35	16.76	33.53	22.37	23.22
Career	6.87	4.71	22.75	32.26	16.05	17.37
Total Force	4.01	3.39	19.40	32.97	19.58	20.64

N = 1,533 (First-term); 1,209 (Career); 2,742 (Total force)

AQE Selector AI minimum requirement: 22XXX, General 60

Table 22. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Audio-Visual (23) Career Field (Semi-Technical)

Enlistment Group	Distributions for AQE Percentile Interval					
	01-25	30-35	40-45	60-75	80-85	90-95
Mechanical Composite						
First-term	9.53	12.22	23.10	26.42	12.18	16.55
Career	9.95	7.10	26.35	27.17	16.23	13.21
Total Force	9.71	10.07	24.46	26.73	13.88	15.15
Administrative Composite						
First-term	4.66	4.41	25.33	32.68	15.37	17.56
Career	8.09	4.36	24.72	33.57	16.29	12.97
Total Force	6.10	4.39	25.07	33.05	15.76	15.63
General Composite						
First-term	.13	.04	23.35	34.02	23.60	18.86
Career	4.19	2.79	25.01	36.77	16.93	14.31
Total Force	1.83	1.20	24.05	35.17	20.80	16.95
Electronics Composite						
First-term	6.51	4.41	25.20	27.47	15.37	21.04
Career	8.84	6.92	24.72	29.67	15.94	13.90
Total Force	7.45	5.46	25.00	28.39	15.61	18.05

N = 2,381 (First-term); 1,719 (Career); 4,100 (Total force)

AQE Selector AI minimum requirement: 23XXX, General 40; 234X0, 235X0, and 235X1, General 60

Table 23. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Safety (24) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-45	60-75	80-85	90-95
Mechanical Composite						
First-term	4.00	.00	.00	40.00	12.00	44.00
Career	4.72	3.78	23.08	30.77	20.51	17.14
Total Force	4.70	3.66	22.32	31.07	20.23	18.02
Administrative Composite						
First-term	8.00	4.00	8.00	16.00	20.00	44.00
Career	4.05	1.89	17.41	37.92	23.62	15.11
Total Force	4.18	1.96	17.10	37.21	23.50	16.06
General Composite						
First-term	4.00	.00	4.00	24.00	32.00	36.00
Career	2.43	1.35	17.41	41.43	22.40	14.98
Total Force	2.46	1.31	16.97	40.86	22.72	15.67
Electronics Composite						
First-term	.00	.00	8.00	32.00	16.00	44.00
Career	5.67	4.86	25.24	32.12	20.51	11.61
Total Force	5.48	4.70	24.67	32.11	20.37	12.66

N = 25 (First-term); 741 (Career); 766 (Total force)

AQE Selector AI minimum requirement: 24XXX, General 70

Table 24. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Weather (25) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	26-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.94	1.24	7.67	25.40	22.74	42.01
Career	6.49	2.88	18.00	26.18	19.53	26.92
Total Force	3.52	2.00	12.45	25.76	21.25	35.02
Administrative Composite						
First-term	.17	.13	2.23	21.54	26.34	49.59
Career	1.04	.79	6.64	23.10	30.94	37.48
Total Force	.57	.44	4.27	22.27	28.47	43.98
General Composite						
First-term	.00	.00	.04	.43	34.18	65.35
Career	.69	.45	4.21	17.06	31.88	45.71
Total Force	.32	.21	1.98	8.13	33.11	56.25
Electronics Composite						
First-term	.09	.13	2.83	16.83	24.33	55.80
Career	2.08	1.88	11.80	31.93	22.56	29.75
Total Force	1.01	.94	6.99	23.83	23.51	43.73

N = 2,335 (First-term); 2,017 (Career); 4,352 (Total force)
 AQE Selector AI minimum requirement: 25XXX, General 80

Table 25. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Command Control Systems Operations (27) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-38	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	7.25	8.78	29.11	33.79	12.09	8.99
Career	10.82	5.55	26.45	30.73	14.25	12.19
Total Force	9.37	6.86	27.53	31.97	13.37	10.90
Administrative Composite						
First-term	.65	1.00	23.94	43.55	16.86	13.99
Career	5.18	2.60	18.28	37.53	22.30	14.11
Total Force	3.34	1.95	20.57	39.97	20.10	14.06
General Composite						
First-term	1.40	1.50	5.29	55.97	24.75	11.10
Career	3.42	1.93	13.98	47.97	18.76	13.94
Total Force	2.60	1.76	10.46	51.21	21.18	12.79
Electronics Composite						
First-term	2.96	3.41	24.86	39.96	16.89	11.93
Career	6.37	5.20	25.17	34.47	16.60	12.19
Total Force	4.99	4.48	25.05	36.69	16.71	12.08

N = 7,811 (First-term); 11,473 (Career); 19,284 (Total force)
 AQE Selector AI minimum requirement: 27XXX, General 60; 271X0, Administrative 40; 272X0, General or Administrative 60

Table 26. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Communications Operations (29) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-45	60-75	80-85	90-95
Mechanical Composite						
First-term	8.02	11.17	30.77	29.30	10.83	9.92
Career	23.64	9.76	27.49	22.80	9.28	7.04
Total Force	15.53	10.49	29.19	26.17	10.08	8.53
Administrative Composite						
First-term	.08	.06	.58	48.22	26.30	24.75
Career	4.31	1.92	18.44	38.56	23.08	13.69
Total Force	2.11	.96	9.18	43.57	24.75	19.43
General Composite						
First-term	.77	1.38	16.64	43.76	22.36	15.08
Career	7.83	6.24	25.82	34.95	15.00	10.16
Total Force	4.17	3.72	21.05	39.52	18.82	12.72
Electronics Composite						
First-term	2.22	3.02	25.51	36.30	17.30	15.64
Career	14.08	9.78	27.82	27.05	13.15	8.13
Total Force	7.93	6.27	26.62	31.85	15.30	12.03

N = 14,095 (First-term); 13,077 (Career); 27,172 (Total force)

AQE Selector AI minimum requirement: 29XXX, Radio Operator 60; 291X0, Administrative or General 60; 294X0, General 80; 295X0, 296X0, 297X0, General 60

Table 27. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Communications-Electronics Systems (30) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-45	60-75	80-85	90-95
Mechanical Composite						
First-term	.24	.45	6.30	30.23	26.08	36.70
Career	2.56	1.64	12.09	30.06	25.38	28.27
Total Force	1.50	1.10	9.46	30.14	25.70	32.10
Administrative Composite						
First-term	.43	.52	8.59	34.44	24.41	29.62
Career	2.22	1.80	12.70	33.58	26.63	23.07
Total Force	1.40	1.22	10.83	33.97	26.53	26.05
General Composite						
First-term	.08	.15	3.22	26.65	34.27	35.64
Career	1.14	.90	9.80	33.00	27.46	27.70
Total Force	.66	.56	6.81	30.11	30.56	31.31
Electronics Composite						
First-term	.01	.01	.18	1.13	42.19	56.47
Career	.71	.33	3.94	18.50	41.27	35.25
Total Force	.39	.19	2.23	10.60	41.69	44.90

N = 24,188 (First-term); 29,000 (Career); 53,188 (Total force)

AQE Selector AI minimum requirement: 30XXX, Electronics 80

Table 28. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Missile Electronic Maintenance (31) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.07	.07	2.76	21.23	26.46	49.40
Career	1.05	1.24	7.96	23.26	25.60	40.90
Total Force	.64	.75	5.78	22.41	25.96	44.46
Administrative Composite						
First-term	.19	.19	3.92	26.38	27.95	41.38
Career	1.83	1.16	9.87	28.74	27.78	30.63
Total Force	1.14	.75	7.38	27.75	27.85	35.13
General Composite						
First-term	.04	.04	1.31	16.64	33.02	48.96
Career	.75	.35	6.51	26.19	27.53	38.77
Total Force	.45	.22	4.33	22.19	29.83	42.98
Electronics Composite						
First-term	.00	.00	.11	.15	27.84	71.90
Career	.40	.08	3.60	13.61	33.64	48.67
Total Force	.23	.05	2.14	7.97	31.21	58.40

N = 2,680 (First-term); 3,719 (Career); 6,399 (Total force)
 AQE Selector AI minimum requirement: 31XXX, Electronics 80

Table 29. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Avionics Systems (32) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.32	.71	5.79	26.65	24.68	41.85
Career	2.66	1.70	13.13	28.72	24.13	29.66
Total Force	1.67	1.28	10.03	27.84	24.37	34.81
Administrative Composite						
First-term	.52	.71	8.50	31.89	25.41	32.96
Career	5.26	2.48	15.90	31.98	23.71	20.67
Total Force	3.26	1.73	12.78	31.94	24.43	25.86
General Composite						
First-term	.10	.27	3.18	22.67	31.82	41.97
Career	2.84	1.78	13.02	30.75	24.43	27.18
Total Force	1.68	1.14	8.87	27.34	27.55	33.43
Electronics Composite						
First-term	.01	.06	.14	2.91	33.05	63.83
Career	1.99	.91	7.78	21.93	33.98	33.41
Total Force	1.15	.55	4.55	13.90	33.59	46.25

N = 7,138 (First-term); 9,767 (Career); 16,905 (Total force)
 AQE Selector AI minimum requirement: 32XXX, Electronics 80; 323X1, Electronics 60

Table 30. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Training Devices (34) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.00	.11	4.07	20.79	26.73	48.29
Career	1.71	.77	10.29	27.38	25.00	34.85
Total Force	1.14	.55	8.21	25.17	25.58	39.34
Administrative Composite						
First-term	.22	.33	6.71	29.04	27.72	35.97
Career	3.10	1.27	11.56	29.20	29.09	25.77
Total Force	2.13	.96	9.94	29.15	28.63	29.19
General Composite						
First-term	.00	.22	1.76	18.81	32.12	47.08
Career	1.38	.55	8.85	28.21	28.32	32.69
Total Force	.92	.44	6.48	25.06	29.59	37.50
Electronics Composite						
First-term	.00	.00	.22	.33	23.87	75.58
Career	1.05	.28	3.87	14.66	34.13	46.02
Total Force	.70	.18	2.65	9.86	30.70	55.91

N = 909 (First-term); 1,808 (Career); 2,717 (Total force)
 AQE Selector AI minimum requirement: 34XXX, Electronics 30

Table 31. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Wire Communications Systems Maintenance (36) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	1.59	3.41	34.59	36.65	13.93	9.83
Career	5.79	2.72	25.72	36.14	18.72	10.92
Total Force	3.56	3.08	30.43	36.41	16.17	10.34
Administrative Composite						
First-term	9.42	4.87	29.61	35.06	12.07	8.97
Career	12.67	5.03	27.93	32.35	13.86	8.15
Total Force	10.95	4.94	28.82	33.79	12.91	8.59
General Composite						
First-term	5.07	5.79	23.91	39.19	17.03	9.02
Career	7.77	5.56	29.46	33.49	14.86	8.86
Total Force	6.34	5.68	26.51	36.52	16.01	8.94
Electronics Composite						
First-term	3.95	3.32	12.74	35.44	30.10	14.45
Career	7.77	4.82	22.88	35.17	18.21	11.15
Total Force	5.74	4.03	17.50	35.31	24.52	12.90

N = 4,458 (First-term); 3,938 (Career); 8,396 (Total force)
 AQE Selector AI minimum requirement: 36XXX, Mechanical 40; 362X1, Mechanical or Electronics 60; 362X2, 362X3, Electronics 60; 362X4, Electronics or Mechanical 60; 363X0, Electronics 60

Table 32. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Maintenance Analysis (39) Career Field

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.81	1.62	11.72	29.09	20.81	35.96
Career	1.76	1.21	17.42	31.53	23.70	24.37
Total Force	1.43	1.36	15.41	30.67	22.68	28.46
Administrative Composite						
First-term	.40	.20	8.89	30.51	22.83	37.17
Career	4.19	2.32	17.09	32.52	24.37	19.51
Total Force	2.85	1.57	14.19	31.81	23.82	25.75
General Composite						
First-term	.20	.00	2.22	17.98	31.52	48.08
Career	2.43	1.76	15.66	32.41	22.38	25.36
Total Force	1.64	1.14	10.91	27.32	25.61	33.38
Electronics Composite						
First-term	.20	1.41	6.26	24.85	24.85	42.42
Career	3.20	2.87	16.65	33.08	22.60	21.61
Total Force	2.14	2.35	12.98	30.17	23.40	28.96

N = 495 (First-term); 907 (Career); 1,402 (Total force)

AQE Selector AI minimum requirement: 39XXX, General 60 and Mechanical 50

Table 33. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Intricate Equipment Maintenance (40) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	1.38	3.51	25.44	38.47	15.54	15.66
Career	4.74	2.50	19.24	37.15	18.84	17.52
Total Force	3.02	3.02	22.41	37.83	17.15	16.57
Administrative Composite						
First-term	4.14	3.38	23.43	38.97	16.42	13.66
Career	5.93	5.52	21.21	36.23	18.71	12.38
Total Force	5.01	4.43	22.35	37.64	17.53	13.04
General Composite						
First-term	1.13	2.38	16.79	42.23	22.56	14.91
Career	3.69	3.16	23.19	38.08	20.29	11.59
Total Force	2.38	2.76	19.91	40.21	21.45	13.29
Electronics Composite						
First-term	.38	1.13	4.14	35.47	36.47	18.42
Career	3.82	2.37	13.04	44.53	21.08	15.15
Total Force	2.06	1.73	8.48	41.94	28.97	16.83

N = 798 (First-term); 759 (Career); 1,557 (Total force)

AQE Selector AI minimum requirement: 40XXX, Electronics 40; 401X0, Mechanical 40; 402X0, Electronics 60; 403X0, Electronics 60; 404X0, Electronics 60

Table 34. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Aircraft Accessory Maintenance (42) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	1.73	2.98	45.75	33.96	10.34	5.23
Career	2.83	1.67	21.22	36.51	22.68	15.10
Total Force	2.23	2.39	34.77	35.10	15.87	9.65
Administrative Composite						
First-term	14.47	7.62	33.51	30.39	8.60	5.41
Career	14.99	6.54	28.18	31.51	12.33	6.43
Total Force	14.71	7.14	31.12	30.89	10.27	5.87
General Composite						
First-term	8.00	7.91	30.82	36.59	12.31	4.37
Career	7.25	5.99	29.73	34.94	13.96	8.13
Total Force	7.66	7.05	30.33	35.85	13.05	6.05
Electronics Composite						
First-term	6.19	5.84	24.71	30.63	26.94	5.68
Career	7.38	5.39	24.30	35.93	17.74	9.26
Total Force	6.73	5.64	24.53	33.00	22.82	7.29

N = 14,415 (First-term); 11,691 (Career); 26,106 (Total force)

AQE Selector AI minimum requirement: 42XXX, Electronics 40; 421X1, 421X2, and 421X3, Electronics or Mechanical 40; 424XX and 422X1, Mechanical 40; 422X2, Mechanical or Electronics 50; 423X0, Mechanical or Electronics 40

Table 35. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Aircraft Maintenance (43) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.05	.09	41.18	40.57	10.30	7.81
Career	2.48	.76	25.21	38.91	18.52	14.13
Total Force	1.32	.44	32.83	39.70	14.59	11.11
Administrative Composite						
First-term	13.41	8.57	39.60	27.74	6.41	4.26
Career	17.07	8.53	31.57	27.11	9.80	5.92
Total Force	15.32	8.55	35.10	27.41	8.18	5.13
General Composite						
First-term	5.21	7.85	36.73	36.87	9.02	4.32
Career	9.15	7.61	33.85	30.64	11.02	7.73
Total Force	7.27	7.73	35.23	33.61	10.06	6.10
Electronics Composite						
First-term	4.14	5.83	37.41	36.05	9.70	6.87
Career	10.31	7.63	31.42	31.01	11.72	7.92
Total Force	7.36	6.77	34.28	33.42	10.76	7.42

N = 41,588 (First-term); 45,557 (Career); 87,145 (Total force)

AQE Selector AI minimum requirement: 43XXX, Mechanical 50; 432XX, Mechanical 40; 433X0, General or Electronics 40; 435X0, Mechanical or Electronics 50

Table 36. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Missile Maintenance (44) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-45	60-75	80-85	90-95
Mechanical Composite						
First-term	.13	.07	27.29	40.47	17.32	14.72
Career	1.34	.67	12.09	30.97	26.35	28.58
Total Force	.79	.40	19.00	35.29	22.25	22.28
Administrative Composite						
First-term	8.09	5.95	35.12	32.98	10.10	7.76
Career	10.58	5.29	27.91	33.37	14.26	8.58
Total Force	9.45	5.59	31.19	33.19	12.37	8.21
General Composite						
First-term	3.28	5.69	27.09	40.20	14.92	8.83
Career	5.29	4.01	24.23	37.33	17.16	11.98
Total Force	4.38	4.77	25.53	38.63	16.14	10.55
Electronics Composite						
First-term	2.94	4.01	28.09	36.72	15.18	13.04
Career	4.46	4.07	22.34	37.05	19.00	13.09
Total Force	3.77	4.04	24.95	36.90	17.26	13.07

N = 1,495 (First-term); 1,795 (Career); 3,290 (Total force)

AQE Selector AI minimum requirement: 44XXX, Mechanical 50; 441X0, Electronics 50

Table 37. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Munitions and Weapons Maintenance (46) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-45	60-75	80-85	90-95
Mechanical Composite						
First-term	.03	.03	1.00	55.61	23.09	20.25
Career	2.58	1.44	14.05	40.14	23.76	18.03
Total Force	1.08	.61	6.39	49.22	23.36	19.33
Administrative Composite						
First-term	2.82	2.81	27.90	40.68	14.53	11.26
Career	12.09	6.12	25.92	29.82	15.09	10.96
Total Force	6.65	4.17	27.08	36.20	14.76	11.14
General Composite						
First-term	.63	1.73	16.25	47.01	21.10	13.28
Career	5.56	5.29	24.97	35.14	15.79	13.26
Total Force	2.67	3.20	19.85	42.11	18.91	13.27
Electronics Composite						
First-term	.29	.70	17.44	40.67	21.57	19.34
Career	6.69	5.82	23.37	32.10	17.30	14.73
Total Force	2.93	2.81	19.89	37.13	19.80	17.43

N = 11,973 (First-term); 8,418 (Career); 20,391 (Total force)

AQE Selector AI minimum requirement: 46XXX, Mechanical or Electronics 60; 463X0, Electronics 80

Table 38. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Vehicle Maintenance (47) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	26-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.37	.82	39.53	36.72	12.01	10.56
Career	2.95	1.33	26.52	35.31	20.90	12.98
Total Force	1.37	1.02	34.51	36.17	15.44	11.49
Administrative Composite						
First-term	21.46	9.03	34.61	24.55	6.47	3.88
Career	26.68	9.90	30.61	23.04	6.26	3.51
Total Force	23.48	9.36	33.07	23.97	6.39	3.74
General Composite						
First-term	12.37	9.35	32.16	31.30	10.41	4.39
Career	14.96	11.46	34.83	26.03	8.31	4.41
Total Force	13.37	10.17	33.19	29.27	9.60	4.40
Electronics Composite						
First-term	8.92	8.09	33.33	28.32	12.74	8.60
Career	16.39	11.20	32.10	25.02	10.45	4.84
Total Force	11.81	9.29	32.85	27.05	11.86	7.14

N = 4,897 (First-term); 3,081 (Career); 7,978 (Total force)
 AQE Selector AI minimum requirement: 47XXX, Mechanical 40

Table 39. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Metal Working (53) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	26-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.51	1.26	42.12	34.81	11.89	9.40
Career	5.00	2.29	27.29	36.70	17.83	10.89
Total Force	2.25	1.66	36.38	35.54	14.19	9.98
Administrative Composite						
First-term	16.95	8.59	34.87	27.34	7.06	5.20
Career	21.95	10.57	32.32	24.06	6.63	4.46
Total Force	18.88	9.36	33.88	26.07	6.89	4.91
General Composite						
First-term	8.77	8.72	33.13	32.94	10.72	5.72
Career	13.15	11.15	35.01	27.12	8.40	5.17
Total Force	10.46	9.66	33.86	30.69	9.82	5.51
Electronics Composite						
First-term	7.96	7.47	36.02	28.44	10.99	9.11
Career	14.46	11.60	33.67	25.55	8.97	5.74
Total Force	10.48	9.07	35.11	27.32	10.21	7.81

N = 5,541 (First-term); 3,499 (Career); 9,040 (Total force)
 AQE Selector AI minimum requirement: 53XXX, Mechanical 40; 535X0, Mechanical 50; 536X0, General 50

Table 40. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Civil Engineering Mechanical/Electrical (54) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.98	1.80	33.14	43.95	12.17	7.96
Career	2.83	2.16	23.08	36.64	20.71	14.59
Total Force	1.72	1.94	29.12	41.03	15.58	10.61
Administrative Composite						
First-term	15.13	8.04	33.15	29.56	8.51	5.61
Career	15.33	8.27	29.94	29.65	10.47	6.34
Total Force	15.21	8.13	31.87	29.60	9.29	5.90
General Composite						
First-term	7.62	7.32	29.20	38.01	11.90	5.95
Career	8.18	7.69	29.96	35.44	11.49	7.24
Total Force	7.85	7.47	29.50	36.99	11.73	6.46
Electronics Composite						
First-term	6.05	5.24	26.85	34.28	17.46	10.11
Career	8.20	7.01	26.20	34.63	15.28	8.68
Total Force	6.91	5.94	26.59	34.42	16.59	9.54

N = 8,555 (First-term); 5,694 (Career); 14,249 (Total force)

AQE Selector AI minimum requirement: 54XXX, Electronics 50; 543XX, 545XX, Mechanical or Electronics 50; 544XX, 546XX, Mechanical 50; 547XX, Mechanical 40; 548XX, Electronics 80 and Mechanical 60

Table 41. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Civil Engineering Structural/Pavements (55) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.33	.79	57.08	27.05	7.61	7.14
Career	6.76	4.41	40.30	29.93	12.29	6.32
Total Force	3.05	2.32	49.99	28.27	9.59	6.79
Administrative Composite						
First-term	25.78	9.74	31.84	20.05	6.04	6.55
Career	22.54	10.36	30.86	23.23	8.73	4.28
Total Force	24.41	10.00	31.43	21.40	7.18	5.59
General Composite						
First-term	15.01	12.18	33.02	25.55	8.35	5.88
Career	15.15	12.49	35.92	24.20	7.92	4.33
Total Force	15.07	12.31	34.25	24.98	8.17	5.22
Electronics Composite						
First-term	13.89	10.30	36.05	23.14	8.62	8.01
Career	18.75	13.92	33.41	20.79	8.52	4.60
Total Force	15.94	11.83	34.93	22.15	8.58	6.57

N = 8,367 (First-term); 6,127 (Career); 14,494 (Total force)

AQE Selector AI minimum requirement: 55XXX, Mechanical 40; 552XX, Mechanical 50; 553XX, General 65; 554XX, Administrative 60; 555X0, Administrative, General, Mechanical, and Electronics 40

Table 42. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Civil Engineering Sanitation (56) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	1.03	2.22	58.32	22.27	7.21	8.95
Career	7.02	3.72	49.28	26.36	8.31	5.30
Total Force	3.16	2.76	55.10	23.72	7.60	7.65
Administrative Composite						
First-term	22.42	8.95	31.62	21.16	8.32	7.53
Career	18.19	12.46	33.52	25.21	7.45	3.15
Total Force	20.92	10.20	32.30	22.60	8.01	5.97
General Composite						
First-term	12.60	9.59	30.67	28.53	9.59	9.03
Career	13.47	13.04	35.96	26.65	7.74	3.15
Total Force	12.91	10.82	32.55	27.86	8.93	6.94
Electronics Composite						
First-term	11.73	9.98	37.48	21.95	8.40	10.46
Career	18.48	12.46	36.53	21.92	7.16	3.44
Total Force	14.13	10.87	37.14	21.94	7.96	7.96

N = 1,262 (First-term); 698 (Career); 1,960 (Total force)
 AQE Selector AI minimum requirement: 56XXX, Mechanical 40; 566XX, General 60

Table 43. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Fire Protection (57) Career Field

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	8.76	9.22	49.00	23.64	5.75	3.63
Career	12.75	6.82	43.16	27.68	6.67	2.92
Total Force	10.33	8.27	46.70	25.23	6.11	3.35
Administrative Composite						
First-term	22.11	11.31	37.23	20.69	5.19	3.47
Career	26.42	12.07	34.53	20.06	5.10	1.81
Total Force	23.81	11.61	36.17	20.44	5.15	2.82
General Composite						
First-term	9.28	7.84	43.66	29.05	7.04	3.13
Career	21.84	15.33	38.28	18.62	4.27	1.66
Total Force	14.23	10.79	41.54	24.94	5.95	2.55
Electronics Composite						
First-term	13.75	11.85	40.54	22.69	7.04	4.13
Career	26.24	16.84	34.29	17.27	3.99	1.38
Total Force	18.66	13.81	38.08	20.55	5.84	3.05

N = 5,012 (First-term); 3,255 (Career); 8,267 (Total force)
 AQE Selector AI minimum requirement: 57XXX, General 40

Table 44. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Fabric, Leather, and Rubber (58) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.19	.57	65.90	23.59	4.87	4.87
Career	10.22	6.13	38.58	30.76	10.13	4.18
Total Force	5.39	3.45	51.75	27.30	7.60	4.51
Administrative Composite						
First-term	25.79	10.41	35.53	19.48	4.68	4.11
Career	26.76	12.71	31.82	21.78	4.36	2.58
Total Force	26.29	11.60	33.61	20.67	4.51	3.31
General Composite						
First-term	16.24	11.84	38.11	24.64	5.06	4.11
Career	18.40	13.51	40.18	20.71	4.53	2.67
Total Force	17.36	12.71	39.18	22.61	4.79	3.36
Electronics Composite						
First-term	15.09	11.75	41.83	19.58	6.11	5.64
Career	22.58	15.73	34.84	19.56	4.80	2.49
Total Force	18.97	13.81	38.21	19.57	5.43	4.01

N = 1,047 (First-term); 1,125 (Career); 2,172 (Total force)
 AQE Selector AI minimum requirement: 58XXX, Mechanical 40

Table 45. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Marine (59) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.00	.00	50.00	31.03	12.07	6.90
Career	1.72	1.72	26.72	29.31	26.72	13.79
Total Force	1.15	1.15	34.48	29.89	21.84	11.49
Administrative Composite						
First-term	8.62	6.90	46.55	27.59	5.17	5.17
Career	15.52	6.90	28.45	30.17	13.79	5.17
Total Force	13.22	6.90	34.48	29.31	10.92	5.17
General Composite						
First-term	8.62	5.17	37.93	36.21	5.17	6.90
Career	6.03	4.31	37.93	30.17	12.07	9.48
Total Force	6.90	4.60	37.93	32.18	9.77	8.62
Electronics Composite						
First-term	6.90	6.90	29.31	37.93	10.34	8.62
Career	12.07	7.76	25.86	23.28	20.69	10.34
Total Force	10.34	7.47	27.01	28.16	17.24	9.77

N = 58 (First-term); 116 (Career); 174 (Total force)
 AQE Selector AI minimum requirement: 59XXX, Mechanical 40

Table 46. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Transportation (60) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-45	60-75	80-85	90-95
Mechanical Composite						
First-term	6.86	6.08	38.70	32.27	9.25	6.84
Career	14.44	6.97	36.12	26.88	9.79	5.80
Total Force	9.89	6.44	37.67	30.12	9.46	6.42
Administrative Composite						
First-term	15.57	6.69	34.25	30.19	7.50	5.79
Career	17.98	8.03	31.87	26.91	9.92	5.29
Total Force	16.53	7.23	33.30	28.88	8.47	5.59
General Composite						
First-term	10.20	9.03	32.06	33.34	10.00	5.38
Career	15.99	11.66	34.16	25.27	8.02	4.90
Total Force	12.51	10.08	32.90	30.12	9.21	5.19
Electronics Composite						
First-term	11.05	8.58	35.21	27.45	10.64	7.07
Career	21.53	13.83	31.15	20.75	8.29	4.46
Total Force	15.24	10.68	33.59	24.77	9.70	6.02

N = 15,044 (First-term); 10,002 (Career); 25,046 (Total force)

AQE Selector AI minimum requirement: 60XXX, Administrative 50; 601XX, General 40; 602XX, Administrative 40; 603XX, Mechanical 40; 607XX, Mechanical 50; 605X1, Mechanical 50

Table 47. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Supply Services (61) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-45	60-75	80-85	90-95
Mechanical Composite						
First-term	23.43	17.42	28.65	20.43	5.23	4.84
Career	31.91	12.76	30.81	15.28	5.96	3.27
Total Force	27.97	14.93	29.81	17.67	5.62	4.00
Administrative Composite						
First-term	2.32	1.74	42.59	33.79	9.58	9.97
Career	15.62	5.63	38.20	28.13	7.98	4.45
Total Force	9.44	3.82	40.24	30.76	8.72	7.01
General Composite						
First-term	6.39	8.13	32.53	34.95	11.62	6.39
Career	19.31	15.11	34.93	20.57	6.47	3.61
Total Force	13.31	11.87	33.81	27.25	8.86	4.90
Electronics Composite						
First-term	12.58	8.81	37.95	22.65	10.75	7.26
Career	31.32	16.88	30.23	14.11	4.70	2.77
Total Force	22.62	13.13	33.81	18.08	7.51	4.86

N = 1,033 (First-term); 1,191 (Career); 2,224 (Total force)

AQE Selector AI minimum requirement: 61XXX, Administrative 40; 612X0, General 40

Table 48. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Food Service (62) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	26-38	40-55	60-70	80-85	90-95
Mechanical Composites						
First-term	21.81	19.81	32.93	18.08		
Career	34.83	14.73	31.50	13.99	4.71	2.66
Total Force	29.08	16.97	32.13	15.80	3.80	1.15
					4.20	1.82
Administrative Composites						
First-term	16.71	9.00	38.00	26.25		
Career	31.19	10.12	32.32	19.90	6.16	3.88
Total Force	24.80	9.63	34.83	22.71	4.77	1.70
					5.38	2.66
General Composites						
First-term	.52	.59	50.65	35.95		
Career	27.84	11.64	41.58	14.36	9.73	2.56
Total Force	15.77	6.76	45.59	23.89	3.64	.94
					6.33	1.66
Electronics Composites						
First-term	14.36	12.47	40.33	21.37		
Career	40.56	17.65	27.45	10.68	8.23	3.26
Total Force	28.99	15.36	33.14	15.40	2.90	.76
					5.25	1.86

N = 3,866 (First-term); 4,889 (Career); 8,755 (Total force)

AQE Selector AI minimum requirement: 62XXX, General 40

Table 49. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Fuel Services (63) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	26-38	40-55	60-75	80-85	90-95
Mechanical Composites						
First-term	12.86	14.80	36.56	24.84		
Career	16.59	8.43	38.79	24.39	6.77	4.18
Total Force	14.13	12.63	37.32	24.69	7.46	4.33
					7.01	4.23
Administrative Composites						
First-term	13.85	8.85	38.17	26.57		
Career	16.79	8.73	34.49	27.92	7.73	4.81
Total Force	14.85	8.81	36.92	27.03	8.36	3.70
					7.95	4.43
General Composites						
First-term	2.68	2.61	44.28	35.51		
Career	15.83	11.80	39.42	23.43	11.22	3.70
Total Force	7.16	5.74	42.62	31.40	6.23	3.30
					9.52	3.56
Electronics Composites						
First-term	10.04	9.73	40.34	24.66		
Career	23.06	14.50	34.32	19.59	9.52	5.71
Total Force	14.47	11.35	38.29	22.94	5.63	2.90
					8.20	4.75

N = 5,818 (First-term); 3,001 (Career); 8,819 (Total force)

AQE Selector AI minimum requirement: 63XXX, General, Electronics, or Mechanical 40

Table 50. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Supply (64) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	26-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	19.32	17.69	32.65	20.57	5.63	4.15
Career	29.63	11.52	29.37	19.74	6.03	3.71
Total Force	24.35	14.67	31.05	20.17	5.82	3.93
Administrative Composite						
First-term	5.66	3.88	16.25	49.91	14.77	9.53
Career	11.41	3.93	29.49	34.43	14.02	6.72
Total Force	8.47	3.91	22.72	42.35	14.40	8.16
General Composite						
First-term	1.48	2.23	37.42	40.91	11.93	6.02
Career	15.26	11.07	34.32	25.86	8.61	4.87
Total Force	8.21	6.55	35.90	33.56	10.31	5.46
Electronics Composite						
First-term	9.19	8.43	37.64	28.30	9.60	6.84
Career	24.52	14.39	30.80	19.72	6.79	3.78
Total Force	16.68	11.35	34.30	24.11	8.22	5.35

N = 19,155 (First-term); 18,305 (Career); 37,460 (Total force)

AQE Selector AI minimum requirement: 64XXX, Administrative 60; 645XX, Administrative or General 60; 647XX, General 40; 648XX, Administrative 70

Table 51. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Procurement (65) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	26-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	5.10	8.20	21.95	26.61	14.86	23.28
Career	16.71	7.87	28.23	23.60	13.62	9.97
Total Force	12.21	8.00	25.80	24.76	14.10	15.13
Administrative Composite						
First-term	.00	.00	.89	15.30	26.16	57.65
Career	1.97	1.12	12.78	38.34	26.12	19.66
Total Force	1.20	.69	8.17	29.41	26.14	34.39
General Composite						
First-term	.44	.22	5.99	31.04	27.72	34.59
Career	2.95	3.79	25.42	36.80	16.85	14.19
Total Force	1.98	2.41	17.88	34.57	21.07	22.10
Electronics Composite						
First-term	1.11	1.11	13.97	28.60	21.51	33.70
Career	8.29	8.85	26.26	32.72	14.04	9.83
Total Force	5.50	5.85	21.50	31.13	16.94	19.09

N = 451 (First-term); 712 (Career); 1,163 (Total force)

AQE Selector AI minimum requirement: 65XXX, Administrative 70

Table 52. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Accounting and Finance, and Auditing (67) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	5.00	5.92	22.61	31.27	16.51	18.69
Career	19.14	7.45	24.06	25.07	13.49	10.79
Total Force	10.58	6.52	23.19	28.83	15.31	15.57
Administrative Composite						
First-term	.07	.02	.52	1.71	33.20	64.48
Career	1.62	.65	5.94	17.99	34.71	39.10
Total Force	.68	.27	2.66	8.14	33.80	54.45
General Composite						
First-term	.12	.23	3.94	28.29	31.37	36.04
Career	2.95	1.87	15.68	33.81	23.53	22.16
Total Force	1.24	.88	8.58	30.47	28.27	30.56
Electronics Composite						
First-term	.47	.89	10.50	28.97	25.87	33.29
Career	5.83	5.61	22.66	31.12	18.60	16.19
Total Force	2.59	2.76	15.30	29.82	23.00	26.54

N = 4,259 (First-term); 2,780 (Career); 7,039 (Total force)
 AQE Selector AI minimum requirement: 67XXX, Administrative 80

Table 53. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Data Systems (68) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	1.51	2.21	11.95	27.93	19.63	36.77
Career	13.67	5.73	20.57	27.17	15.19	17.66
Total Force	7.88	4.06	16.47	27.53	17.30	26.76
Administrative Composite						
First-term	.58	.35	4.52	20.76	24.50	49.30
Career	2.12	.64	10.39	28.16	29.44	29.24
Total Force	1.39	.50	7.59	24.64	27.09	38.79
General Composite						
First-term	.13	.13	2.72	14.93	31.01	51.09
Career	2.68	1.83	13.82	31.57	24.12	25.98
Total Force	1.46	1.02	8.54	23.65	27.40	37.93
Electronics Composite						
First-term	.58	.67	5.12	17.84	24.50	51.28
Career	5.47	4.36	19.67	28.98	20.19	21.33
Total Force	3.14	2.61	12.75	23.68	22.24	35.58

N = 3,122 (First-term); 3,437 (Career); 6,559 (Total force)
 AQE Selector AI minimum requirement: 68XXX, General 60; 685X0, General or Electronics 60

Table 54. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Management Analysis (69) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	2.40	2.40	5.60	32.80	15.20	41.60
Career	11.06	5.74	22.77	27.23	17.66	15.53
Total Force	9.24	5.04	19.16	28.40	17.14	21.01
Administrative Composite						
First-term	.80	.00	4.80	16.80	29.60	48.00
Career	.43	.64	7.45	30.21	31.06	30.21
Total Force	.50	.50	6.89	27.39	30.76	33.95
General Composite						
First-term	.00	.00	.00	9.60	41.60	48.80
Career	1.06	.85	10.64	38.09	25.53	23.83
Total Force	.84	.67	8.40	32.10	28.91	29.08
Electronics Composite						
First-term	.00	.80	3.20	17.60	22.40	56.00
Career	3.62	5.37	21.06	31.06	19.79	19.15
Total Force	2.86	4.37	17.31	28.24	20.34	26.89

N = 125 (First-term); 470 (Career); 595 (Total force)

AQE Selector AI minimum requirement: 69XXX, General 60

Table 55. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Administration (70) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	30.05	20.27	26.75	15.08	4.28	3.57
Career	25.73	11.90	29.12	20.87	7.46	4.91
Total Force	27.99	16.28	27.88	17.84	5.80	4.21
Administrative Composite						
First-term	.49	.51	50.15	30.92	9.34	8.59
Career	4.09	2.35	26.49	37.36	18.79	10.92
Total Force	2.21	1.39	38.87	33.99	13.85	9.70
General Composite						
First-term	9.41	11.61	34.96	28.54	9.93	5.55
Career	9.24	9.33	31.89	30.47	11.05	8.03
Total Force	9.33	10.52	33.49	29.46	10.46	6.73
Electronics Composite						
First-term	14.95	12.17	39.28	19.95	7.93	5.73
Career	17.36	12.85	30.71	23.39	10.01	5.67
Total Force	16.10	12.49	35.19	21.59	8.93	5.70

N = 20,807 (First-term); 18,946 (Career); 39,753 (Total force)

AQE Selector AI minimum requirement: 70XXX, Administrative 40; 701X0, Administrative or General 60; 705X0, Administrative 60

Table 56. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Printing (71) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	15.28	12.27	10.56	26.85	8.56	6.48
Career	22.44	8.97	28.53	25.00	8.17	6.89
Total Force	19.51	10.32	29.36	25.76	8.33	6.72
Administrative Composite						
First-term	12.50	6.48	31.25	33.10	8.10	8.56
Career	15.87	7.21	33.01	27.08	12.02	4.81
Total Force	14.49	6.91	32.29	29.55	10.42	6.34
General Composite						
First-term	.46	1.85	43.06	32.64	15.51	6.48
Career	13.46	7.21	38.78	24.36	9.62	6.57
Total Force	8.14	5.02	40.53	27.75	12.03	6.53
Electronics Composite						
First-term	10.19	8.80	36.11	21.23	10.88	8.80
Career	24.36	11.06	27.72	22.12	9.78	4.97
Total Force	18.56	10.13	31.16	23.39	10.23	6.53

N = 432 (First-term); 624 (Career); 1,056 (Total force)
 AQE Selector AI minimum requirement: 71XXX, General 40

Table 57. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Personnel (73) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	13.92	13.67	30.24	24.49	9.18	8.50
Career	16.38	7.93	26.38	26.43	12.03	10.84
Total Force	15.47	10.06	27.82	25.71	10.97	9.97
Administrative Composite						
First-term	.13	.08	1.26	55.31	22.61	20.61
Career	1.19	.52	8.02	37.56	28.46	24.25
Total Force	.80	.36	5.51	44.16	26.29	22.90
General Composite						
First-term	1.22	2.41	20.22	42.86	18.73	14.56
Career	2.38	2.69	20.18	37.33	19.84	17.58
Total Force	1.95	2.59	20.19	39.38	19.43	16.46
Electronics Composite						
First-term	4.61	5.12	30.68	31.97	14.33	13.30
Career	7.43	7.25	25.50	30.06	16.86	12.89
Total Force	6.38	6.46	27.43	30.77	15.92	13.04

N = 5,317 (First-term); 8,991 (Career); 14,308 (Total force)
 AQE Selector AI minimum requirement: 73XXX, Administrative 60; 733X1, General 60

Table 58. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Special Services (74) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	15.85	9.94	29.06	28.05	9.18	7.92
Career	22.67	10.21	28.69	21.66	10.27	6.49
Total Force	20.49	10.12	28.81	23.70	9.92	6.95
Administrative Composite						
First-term	2.14	2.26	23.77	35.09	16.48	20.25
Career	11.75	4.37	32.17	29.22	14.29	8.21
Total Force	8.68	3.70	29.49	31.10	14.99	12.05
General Composite						
First-term	4.40	4.40	22.52	35.35	19.75	13.58
Career	13.58	10.57	32.70	25.15	10.33	7.67
Total Force	10.65	8.60	29.45	28.40	13.34	9.56
Electronics Composite						
First-term	7.30	6.29	31.07	26.79	16.10	12.45
Career	22.49	13.28	28.04	19.36	10.15	6.67
Total Force	17.64	11.05	29.01	21.74	12.05	8.52

N = 795 (First-term); 1,694 (Career); 2,489 (Total force)

AQE Selector AI minimum requirement: 74XXX, Administrative 40; 742X0, General 60 and Administrative 80 (Changed from General 40)

Table 59. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Education and Training (75) Career Field (Highly Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	2.37	4.57	18.00	34.59	17.65	22.83
Career	6.37	3.72	22.85	33.30	17.89	15.87
Total Force	5.38	3.93	21.65	33.62	17.83	17.59
Administrative Composite						
First-term	.44	.70	8.87	26.16	24.76	39.07
Career	3.98	2.19	18.44	37.11	22.30	15.99
Total Force	3.10	1.82	16.07	34.40	22.91	21.69
General Composite						
First-term	.00	.09	2.72	30.38	30.64	36.17
Career	1.53	2.16	17.06	45.23	18.96	15.07
Total Force	1.15	1.65	13.51	41.56	21.84	20.28
Electronics Composite						
First-term	.61	.70	12.55	27.13	26.25	32.75
Career	4.44	5.96	26.36	33.10	16.45	13.68
Total Force	3.49	4.66	22.95	31.63	18.87	18.39

N = 1,139 (First-term); 3,471 (Career); 4,610 (Total force)

AQE Selector AI minimum requirement: 75XXX, General 60; 753X1, Mechanical 60

Table 60. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Information (79) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	2.04	2.79	12.55	28.43	20.71	33.48
Career	10.50	6.24	19.15	26.67	17.02	20.43
Total Force	5.68	4.28	15.39	27.67	19.12	27.86
Administrative Composite						
First-term	.21	.00	5.47	23.18	24.89	46.24
Career	1.56	.71	10.50	27.80	26.10	33.33
Total Force	.79	.31	7.64	25.17	25.41	40.68
General Composite						
First-term	.00	.00	2.04	11.16	36.37	50.43
Career	1.84	.85	12.06	23.26	30.07	31.91
Total Force	.79	.37	6.35	16.37	33.66	42.46
Electronics Composite						
First-term	.75	.43	5.79	21.14	25.21	46.67
Career	4.11	3.55	18.01	27.09	20.28	26.95
Total Force	2.20	1.77	11.06	23.70	23.09	38.18

N = 932 (First-term); 705 (Career); 1,637 (Total force).
AQE Selector AI minimum requirement: 79XXX, General 80

Table 61. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Security Police (81) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	14.94	17.58	33.37	24.39	6.27	3.44
Career	21.10	11.68	31.77	23.95	7.96	3.54
Total Force	16.72	15.88	32.91	24.26	6.76	3.46
Administrative Composite						
First-term	9.58	7.82	38.27	31.14	7.83	5.35
Career	14.10	7.70	30.57	31.16	11.61	4.86
Total Force	10.88	7.79	36.05	31.15	8.92	5.21
General Composite						
First-term	.14	.15	41.25	42.26	12.54	3.65
Career	8.98	5.45	41.34	31.14	9.14	3.94
Total Force	2.69	1.68	41.28	39.05	11.56	3.73
Electronics Composite						
First-term	9.26	9.24	39.30	27.48	10.04	4.69
Career	19.69	12.82	34.96	22.05	7.60	2.88
Total Force	12.27	10.27	38.05	25.91	9.33	4.17

N = 24,912 (First-term); 10,096 (Career); 35,008 (Total force).
AQE Selector AI minimum requirement: 81XXX, General 40

Table 62. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Special Investigations and Counterintelligence (82) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	26-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	.00	5.26	31.58	5.26	26.32	31.58
Career	8.66	5.96	25.31	25.53	18.79	15.75
Total Force	8.48	5.95	25.44	25.11	18.94	16.08
Administrative Composite						
First-term	.00	.00	5.26	31.58	21.05	42.11
Career	1.24	.79	7.54	34.42	31.05	24.97
Total Force	1.21	.77	7.49	34.36	30.84	25.33
General Composite						
First-term	.00	.00	.00	26.32	47.37	26.32
Career	1.01	.67	11.47	38.92	23.96	23.96
Total Force	.99	.66	11.23	38.66	24.45	24.01
Electronics Composite						
First-term	.00	.00	5.26	21.05	36.84	36.84
Career	2.14	4.05	21.37	31.61	21.48	19.35
Total Force	2.09	3.96	21.04	31.39	21.81	19.71

N = 19 (First-term); 889 (Career); 908 (Total force)
 AQE Selector AI minimum requirement: 82XXX, General 60

Table 63. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Band (87) Career Field (Semi-Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	26-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	2.80	2.93	17.18	30.49	19.84	26.76
Career	13.85	7.28	23.80	27.18	14.21	13.68
Total Force	7.53	4.79	20.02	29.07	17.43	21.16
Administrative Composite						
First-term	.40	1.33	11.85	32.76	23.44	30.23
Career	4.26	2.31	20.43	29.66	20.07	23.27
Total Force	2.05	1.75	15.53	31.43	21.99	27.25
General Composite						
First-term	.53	.40	7.06	26.23	28.50	37.28
Career	4.62	3.73	21.31	31.44	16.52	22.38
Total Force	2.28	1.83	13.17	28.46	23.36	30.90
Electronics Composite						
First-term	1.60	1.33	13.32	25.57	21.44	36.75
Career	9.06	6.93	22.74	27.89	14.74	18.65
Total Force	4.79	3.73	17.35	26.56	18.57	29.00

N = 751 (First-term); 563 (Career); 1,314 (Total force)
 AQE Selector AI minimum requirement: 87XXX, Administrative or General 40

Table 64. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Medical (90) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	6.88	8.82	25.95	31.97	13.16	13.22
Career	17.05	6.45	28.29	27.77	12.76	7.69
Total Force	10.48	7.98	26.78	30.49	13.02	11.26
Administrative Composite						
First-term	1.44	2.18	18.84	39.51	18.96	19.07
Career	7.95	2.78	19.56	36.58	20.03	13.10
Total Force	3.74	2.40	19.10	38.47	19.33	16.96
General Composite						
First-term	.05	.05	.80	48.48	31.54	19.09
Career	5.07	1.83	17.00	44.27	20.78	11.05
Total Force	1.83	.68	6.53	46.99	27.73	16.24
Electronics Composite						
First-term	2.49	3.23	24.20	33.14	18.25	18.68
Career	10.93	6.42	27.19	33.81	13.35	8.29
Total Force	5.48	4.36	25.26	33.38	16.52	15.00

N = 12,998 (First-term); 7,116 (Career); 20,114 (Total force)
 AQE Selector AI minimum requirement: 90XXX, General 60

Table 65. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Medical (91) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	4.99	6.11	24.44	36.52	14.68	13.27
Career	17.83	7.28	24.75	27.82	13.77	8.56
Total Force	11.36	6.69	24.59	32.20	14.23	10.93
Administrative Composite						
First-term	1.19	1.54	15.94	38.83	19.17	23.31
Career	7.85	3.00	18.76	35.52	20.68	14.19
Total Force	4.49	2.26	17.34	37.19	19.92	18.79
General Composite						
First-term	.00	.21	1.19	46.35	31.81	20.44
Career	6.42	2.64	15.91	42.87	20.68	11.48
Total Force	3.18	1.42	8.49	44.62	26.29	15.99
Electronics Composite						
First-term	1.54	2.11	20.22	35.39	20.72	20.01
Career	11.98	6.06	28.25	30.46	15.05	8.20
Total Force	6.72	4.07	24.20	32.94	17.91	14.15

N = 1,424 (First-term); 1,402 (Career); 2,826 (Total force)
 AQE Selector AI minimum requirement: 91XXX, General 60

Table 66. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Aircrew Protection (92) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	7.98	11.13	25.36	28.75	14.05	12.74
Career	15.10	7.34	27.87	26.08	14.12	9.49
Total Force	11.48	9.27	26.59	27.44	14.08	11.14
Administrative Composite						
First-term	4.58	4.88	33.15	32.80	13.27	11.31
Career	12.02	5.30	27.19	32.98	13.81	8.69
Total Force	8.24	5.09	30.22	32.89	13.54	10.02
General Composite						
First-term	.12	.12	26.37	40.83	20.12	12.44
Career	8.14	3.27	33.60	33.72	12.64	8.63
Total Force	4.06	1.67	29.92	37.34	16.44	10.57
Electronics Composite						
First-term	3.75	4.94	28.75	30.36	17.26	14.94
Career	14.12	10.73	28.18	26.76	12.02	8.20
Total Force	8.84	7.78	28.47	28.59	14.69	11.63

N = 1,680 (First-term); 1,622 (Career); 3,302 (Total force)
 AQE Selector AI minimum requirement: 92XXX, General 40; 923X0, General 60

Table 67. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Dental (98) Career Field (Technical)

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-55	60-75	80-85	90-95
Mechanical Composite						
First-term	6.36	8.89	25.73	33.08	13.66	12.29
Career	13.57	5.24	25.16	31.27	14.92	9.84
Total Force	9.31	7.40	25.49	32.34	14.17	11.29
Administrative Composite						
First-term	1.37	2.41	20.46	41.69	18.21	15.85
Career	10.08	2.78	19.37	36.83	19.44	11.51
Total Force	4.93	2.56	20.01	39.70	18.72	14.08
General Composite						
First-term	.00	.22	1.65	52.55	29.13	16.46
Career	5.63	1.90	16.67	42.38	21.98	11.43
Total Force	2.30	.91	7.78	48.39	26.21	14.40
Electronics Composite						
First-term	2.58	3.40	24.57	35.49	17.66	16.29
Career	9.60	4.29	27.94	32.30	17.46	8.41
Total Force	5.45	3.76	25.95	34.19	17.58	13.07

N = 1,823 (First-term); 1,260 (Career); 3,083 (Total force)
 AQE Selector AI minimum requirement: 98XXX, General 60

Table 68. Percentage Distributions of Aptitude Indexes for Enlistment Groups in the Special Categories^a (99) Career Field

Enlistment Group	Distribution for AQE Percentile Interval					
	01-25	30-35	40-45	60-75	80-85	90-95
Mechanical Composite						
First-term	.50	.17	3.08	6.57	12.14	77.56
Career	.80	.69	4.71	20.67	22.27	50.86
Total Force	.63	.39	3.76	12.49	16.39	66.35
Administrative Composite						
First-term	.25	.25	1.50	4.74	20.78	72.49
Career	1.03	1.38	7.81	20.44	27.10	42.25
Total Force	.58	.72	4.15	11.33	23.43	59.79
General Composite						
First-term	.17	.08	1.33	3.91	12.97	81.55
Career	.34	.11	4.13	16.76	25.49	53.16
Total Force	.24	.10	2.51	9.31	18.23	69.62
Electronics Composite						
First-term	.17	.25	1.83	4.16	5.15	88.45
Career	.46	.11	1.49	8.50	29.16	60.28
Total Force	.29	.19	1.69	5.98	15.24	76.62

N = 1,203 (First-term); 871 (Career); 2,074 (Total force)

^aCombined AFSCs, such as Specialist Electronic Technician, Engineering and Science Assistant, Military Training Instructor, and others, for which minimum requirements differ.

Table 69. Percentage Distributions of Aptitude Indexes for Incomplete Cases

Aptitude Composite	Percent Missing Scores	Percent Invalid Scores	Distribution for AQE Percentile Interval					
			01-25	30-35	40-45	60-75	80-85	90-95
Mechanical	18.61	.60	9.75	3.23	19.08	18.52	11.39	18.82
Administrative	18.78	.59	11.22	2.20	16.77	19.09	12.43	18.92
General	19.55	.55	7.24	2.25	17.77	20.14	13.81	18.69
Electronics	60.90	.61	4.28	3.00	11.91	9.15	5.07	5.08