Air Education and Training Command

Sustaining the Combat Capability of America's Air Force



Occupational Survey Report AFSC 2T1X1 VEHICLE OPERATIONS

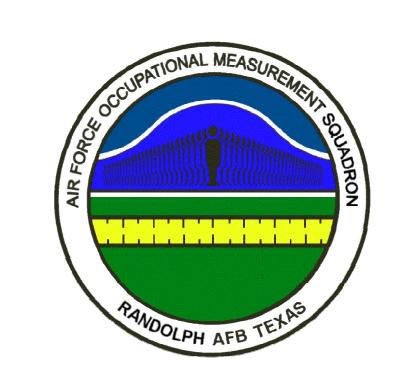
Adriana G. Rodriguez
12 May 2004

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1. REPORT DATE 2. REPORT TYPE N/A					3. DATES COVERED		
4. TITLE AND SUBTITLE				5a. CONTRACT	NUMBER		
Occupational Surv	rey Report AFSC 2T	1X1 Vehicle Opera	tions	5b. GRANT NUN	MBER .		
				5c. PROGRAM E	ELEMENT NUMBER		
6. AUTHOR(S)				5d. PROJECT NU	JMBER		
				5e. TASK NUME	BER		
				5f. WORK UNIT NUMBER			
	ZATION NAME(S) AND AE ional Measurement	` '	h AFB, TX	8. PERFORMING REPORT NUMB	G ORGANIZATION ER		
9. SPONSORING/MONITO	RING AGENCY NAME(S) A	ND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)			
					11. SPONSOR/MONITOR'S REPORT NUMBER(S)		
12. DISTRIBUTION/AVAIL Approved for publ	LABILITY STATEMENT ic release, distributi	on unlimited					
13. SUPPLEMENTARY NO See also ADM0016 contains color image	81, Occupational A	nalyis Products: Vel	nicle Operations	· AFSC., The	original document		
14. ABSTRACT							
15. SUBJECT TERMS							
16. SECURITY CLASSIFIC	17. LIMITATION OF	18. NUMBER	19a. NAME OF				
a. REPORT b. ABSTRACT c. THIS PAGE Unclassified unclassified unclassified				OF PAGES 38	RESPONSIBLE PERSON		

Report Documentation Page

Form Approved OMB No. 0704-0188

Air Force Occupational Measurement SQ



AFOMS/OA

1550 Fifth Street East Randolph AFB, TX 78150 DSN 487–6811

https://www-r.omsq.af.mil/OA/oaproducts.htm



Overview



- Survey background
- Survey results
- Implications



Executive Summary



- Homogeneous job structure with two clusters and five independent jobs identified
- Typical career ladder progression
- Career ladder documents supported by survey data
- Job satisfaction indicators are generally positive



Work Performed



- Perform and manage vehicle operations activities
- Perform dispatch duties
- Provide customer service and issue driver's licenses
- Perform pickup and delivery activities



Current Training Program



- AFSC-awarding course
 - 366 TRS, Fort Leonard Wood MO
 - J3ABP2T131-000, Vehicle Operator Apprentice Course,
 6 weeks
 - 9 semester hours for CCAF

Programmed TPR
 Programmed Elimination Rate

FY04: 500 students FY04: 1%

FY05: 530 students FY05: 1%



Survey Background



- Last Occupational Survey Report (OSR): June 1999
- Current survey developed: May June 2003
 - Fort Leonard Wood MO
 - Vandenberg AFB CA
 - Charleston AFB SC
 - Shaw AFB SC
 - Eglin AFB FL
 - Hurlburt Fld FL
 - Randolph AFB TX





Survey Background (Cont.)



- Survey initiated to obtain data to:
 - Evaluate current classification and training documents
 - Support promotion test development
- Current survey data collected: July-December 2003
- Components surveyed:
 - Active Duty: 3-, 5-, 7-, and 9-Skill Levels
 - Guard: 3-, 5-, and 7-Skill Levels
 - Reserve: 3-, 5-, 7-, and 9-Skill Levels





Survey Sample Characteristics

	<u>AD</u>	<u>ANG</u>	<u>AFRC</u>	<u>Total</u>
Assigned*	2,448	937	420	3,805
Mailed Out	2,187	883	393	3,463
Sample	1,354	249	97	1,700
Usable Returns	62%	28%	25%	49%

Average time in career field for AD: 7 years 3 months

Average TAFMS for AD: 7 years 7 months

Percent of AD in first enlistment: 37%

^{*} Assigned as of July 2003



Paygrade Distribution



	Assigned*	Sample
E-1 - E-3	20%	22%
E-4	20%	19%
E-5	32%	33%
E-6	19%	19%
E-7	8%	7%
E-8	1%	1%
E-9	**	**

^{*}Assigned as of July 2003

^{**}Indicates less than 1%

^{***}Note: Columns may not add up to 100% due to rounding



Command Representation

















Command	Assigned %**	Sample %
ANG	25	15
ACC	19	25
AMC	11	14
AFRC	11	6
PACAF	10	11
AETC	10	9
USAFE	6	9
AFMC	5	5
AFSPC	3	3
AFSOC	1	2
11 th Wing	1	2





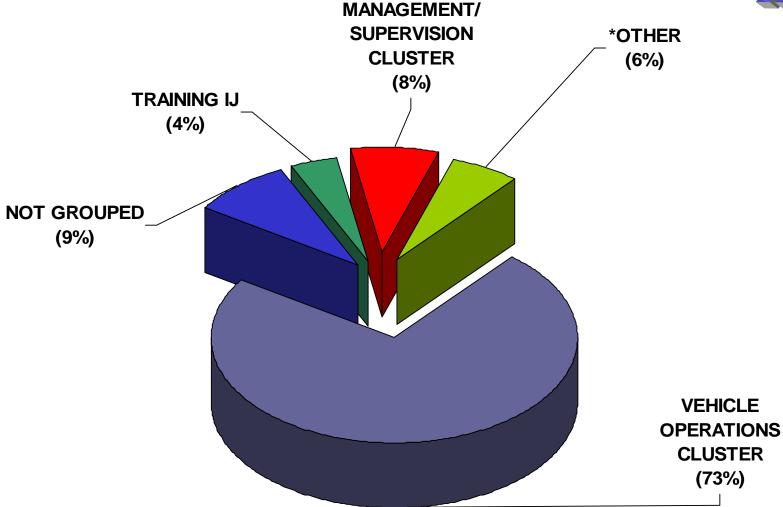
^{*}Assigned as of July 2003

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Specialty Clusters and Jobs

(N=1,700)



- *Other includes:
- -REGISTERED EQUIPMENT MANAGEMENT (REM) IJ (2%)
- -FLEET MANAGEMENT IJ (1%)
- -LICENSING AND RECORDS IJ (1%)
- -SUPPLY AND EQUIPMENT SUPPORT IJ (2%)



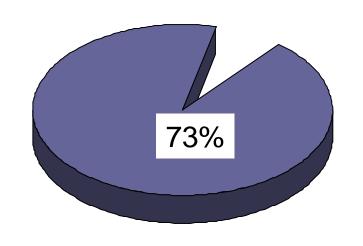
VEHICLE OPERATIONS CLUSTER

(N=1,240)



- Clean vehicle exteriors or interiors
- Transport passengers, other than DVs
- Dispatch vehicles for transportation
- Maintain administrative files or records
- Provide DV support
- Receive transportation requests
- Verify vehicle forms, such as accident, inspection, and waiver
- Inspect vehicles released from maintenance facilities
- Counsel subordinates concerning personal matters

Entry-Level Vehicle Operations Job
Vehicle Operations Job
NCOIC, Dispatch Support Job
Vehicle Control Job
Pickup and Delivery Job
Dispatch Operations Job



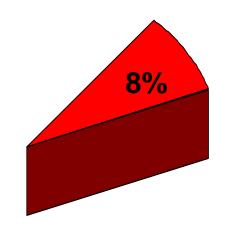


MANAGEMENT AND SUPERVISION CLUSTER (N=141)

- Counsel subordinates concerning personal matters
- Write recommendations for awards or decorations
- Conduct supervisory performance feedback sessions
- Conduct general meetings, such as staff meetings, briefings, conferences, or workshops
- Inspect personnel for compliance with military standards
- Assign personnel to work areas or duty positions
- Determine or establish work assignments or priorities
- Evaluate personnel for compliance with performance standards

Management and Supervision Job

NCOIC, Vehicle Operations Job





Independent Jobs

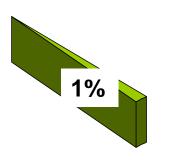


LICENSING AND RECORDS IJ (N=18)

- Issue or update AF Forms 2293 (U.S. Air Force Motor Vehicle Operator Identification Card)
- Process AF Forms 171 (Request for Driver's Training and Addition to U.S. Government Drivers License)
- Maintain AF Forms 2296 (Vehicle Operator Information)

FLEET MANAGEMENT IJ (N=11)

- Conduct vehicle control function staff assistance visits
- Conduct vehicle control function staff assistance analysis
- Develop and maintain base VCO lists



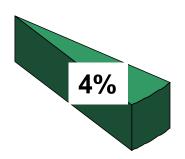


Independent Jobs (Cont.)



REGISTERED EQUIPMENT MANAGEMENT (REM) IJ

- Maintain vehicle authorization listings (VALs)
- Maintain or update custody authorization/custody receipt listings
- Maintain vehicle fleet records
- TRAINING IJ (N=71)
 - Conduct on-the-job training
 - Counsel trainees on training progress
 - Maintain training records or files



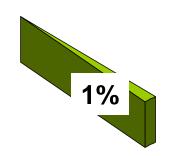


Independent Jobs (Cont.)



SUPPLY AND EQUIPMENT SUPPORT IJ (N=36)

- Identify and report equipment or supply problems
- Evaluate serviceability of equipment, tools, parts, or supplies
- Coordinate maintenance of facilities with dispatch support





Percent Across Specialty Clusters and Jobs by DAFSC



	DAFSC	DAFSC	DAFSC	DAFSC
	2T131	2T151	2T171	2T191
SPECIALTY JOBS	(N=509)	(N=651)	(N=175)	(N=19)
VEHICLE OPERATIONS CLUSTER	84	62	27	0
SUPPLY AND EQUIPMENT SUPPORT IJ	1	4	2	0
LICENSING AND RECORDS IJ	2	2	1	0
FLEET MANAGEMENT IJ	1	1	0	0
REGISTERED EQUIPMENT	*	4	10	0
MANAGEMENT (REM) IJ				
TRAINING IJ	1	9	3	0
MANAGEMENT AND SUPERVISION	*	5	49	95
CLUSTER				
NOT GROUPED	11	13	8	5

^{*} Indicates less than 1%



Career Ladder Progression Percent Time Spent on Duties

		DAFSC	DAFSC	DAFSC	DAFSC
		2T131	2T151	2T171	2T191
DU	JTIES	(N=509)	(N=651)	(N=175)	(N=19)
Α	PERFORMING DISPATCH OPERATIONS ACTIVITIES	11	24	16	6
В	PERFORMING DISPATCH SUPPORT ACTIVITIES	59	32	10	1
С	PERFORMING BASE PICKUP AND DELIVERY ACTIVITIES	10	4	2	*
D	PERFORMING OPERATOR RECORDS AND LICENSING ACTIVITIES	3	5	3	1
Е	PERFORMING SUPPLY AND EQUIPMENT SUPPORT ACTIVITIES	3	5	3	1
F	PERFORMING UNIT VEHICLE CONTROL OFFICE ACTIVITIES	3	5	4	1
G	PERFORMING FLEET MANAGEMENT ACTIVITIES	1	4	9	3
Н	PERFORMING FIELD OR EMERGENCY ACTION ACTIVITIES	4	2	1	*
I	PERFORMING CONTRACT ADMINISTRATION ACTIVITIES	*	*	1	1
J	PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	*	1	4	7
K	PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	2	3	5	8
L	PERFORMING TRAINING ACTIVITIES	2	7	7	6
М	PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	1	6	36	64

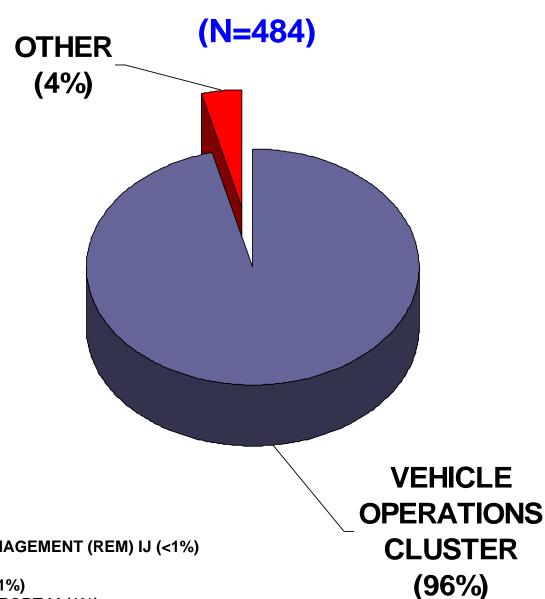
^{*}Indicates less than 1%

^{*}Note: Columns may not add up to 100% due to rounding



First-Enlistment Clusters and Jobs





*Other includes:

- REGISTERED EQUIPMENT MANAGEMENT (REM) IJ (<1%)
- FLEET MANAGEMENT IJ (1%)
- LICENSING AND RECORDS IJ (1%)
- SUPPLY AND EQUIPMENT SUPPORT IJ (1%)
- TRAINING IJ (<1%)

20



First-Enlistment Personnel Representative Tasks



TASKS	PERCENT MEMBERS PERFORMING (N=484)
Clean vehicle exteriors or interiors	83
Wax vehicles	81
Transport passengers, other than DVs	80
Refuel vehicles using vehicle identification link (VIL) keys	78
Deliver or pickup unit vehicles for maintenance	78
Perform vehicle before-, during-, or after-operation inspections	77
Service vehicles, such as fluids, lubrication, and tire pressure	75
Provide DV support	74
Operate vehicles on flightlines	70
Report arrival, pickup, and release times to dispatchers	70
Verify vehicle forms, such as accident, inspection, or waiver	70
Secure wheel chocks	70
Drain air tanks	68



First-Enlistment Personnel Vehicles and Systems



	PERCENT MEMBERS PERFORMING
VEHICLES AND SYSTEMS	(N=484)
Vehicles	
Buses, 29-45 Passenger Conventional	90
Forklifts, 10K	90
Buses, 10-28 Passenger Conventional	79
Forklifts, 6K	73
TRAILERS	
40' Flatbed Trailer	60
25' Flatbed Trailer	52
Van Trailer	43
32' Stake & Platform, like Kentucky	30
Systems	
OLVIMS Dispatch Module	51
Standard Asset Tracking System (SATS)	19
AF Equipment Management System (AFEMS)	6



Specialty Training Standard (STS) Analysis



- STS is generally supported by survey data
- Some STS items may need proficiency code review
 - Four uncoded STS items matched to JI tasks performed by more than 20% of members
 - Four performance coded STS items out of 24 were not supported
- Eight technical tasks performed by 20% or more of members were not referenced to STS
 - These should be reviewed for possible inclusion in STS



Proficiency Codes Requiring Review



		PERCENT MEMBERS					
				<u>RMING</u>			
			1st	3-			
		PROF	ENL	LVL	TNG	TSK	
UNIT	STS ELEMENT	CODE	(N=484)	(N=509)	EMP*	DIF**	ATI***
3.10.1	Computer Fundamentals (3.10 Use Computers)						
Task	A0049 Verify accuracy of OLVIMS data	1a	10	12	2.79	5.34	7
3.14	Ensure adequate inspection of vehicles released from the vehicle maintenance facility						
Tasks	B0062. Deliver or pickup unit vehicles for maintenance		78	75	3.79	2.67	8
	B0069. Inspect vehicles released from maintenance facilities		65	63	5.16	2.96	13
3.15	Promote Customer Service/Relations	1a					
Task	M0349 Receive, process, or investigate customer complaints		2	2	.95	5.19	2

^{*}Mean TE Rating is 2.60, Standard Deviation is 1.93 (HIGH TE= 4.53)

^{**}Mean TD Rating is 5.00, Standard Deviation is 1.00 (HIGH TD= 6.00)

^{***}ATI=Automated Training Indicator is a training decision value for resident training (18=high; 1=low)



Tasks not Referenced to STS



Examples

		PERCENT MEMBERS				
	PERFORMING					
			1ST	3-		
		TNG	ENL	LVL	TSK	
TASK		EMP*	(N=484)	(N=509)	DIF**	ATI***
B0090	Secure wheel chocks	4.53	70	66	2.78	13
E0139	Maintain base vehicle washracks	4.32	32	33	4.35	15

^{*}Mean TE Rating is 2.60, Standard Deviation is 1.93 (HIGH TE= 4.53)

^{**}Mean TD Rating is 5.00, Standard Deviation is 1.00 (HIGH TD= 6.00)

^{***}ATI=Automated Training Indicator is a training decision value for resident training (18=high; 1=low)



Job Satisfaction Indicators (Across Specialty Jobs)



NICOLO

	VEHICLE OPERATIONS CLUSTER (N=1,240)	Entry-Level Vehicle Operations Job (N=115)	Vehicle Operations Job (N=665)	NCOIC, Dispatch Support Job (N=118)
JOB INTERESTING	76	61	75	86
TALENTS WELL UTILIZED	69	50	68	84
TRAINING WELL UTILIZED	86	78	89	91
SENSE OF ACCOMPLISHMENT	53	40	52	72
PLAN TO REENLIST	66	54	63	80



Job Satisfaction Indicators (Across Specialty Jobs) (Cont.)

VEHICLE



Pickun

	OPERATIONS CLUSTER (Cont.) (N=1,240)	Vehicle Control Job (N=10)	and Delivery Job (N=43)	Dispatch Operations Job (N=241)
JOB INTERESTING	76	80	72	77
TALENTS WELL UTILIZED	69	60	58	74
TRAINING WELL UTILIZED	86	70	65	87
SENSE OF ACCOMPLISHMENT	53	40	40	57
PLAN TO REENLIST	66	70	60	76



Job Satisfaction Indicators (Across Specialty Jobs) (Cont.)



	SUPPLY & EQUIPMENT IJ (N=36)	LICENSING & RECORDS IJ (N=26)	FLEET MGT IJ (N=11)	REM IJ (N=41)	TRAINING IJ (N=71)
JOB INTERESTING	61	58	91	98	85
TALENTS WELL UTILIZED	56	46	91	93	79
TRAINING WELL UTILIZED	78	58	91	88	90
SENSE OF ACCOMPLISHMENT	50	35	82	76	68
PLAN TO REENLIST	78	69	82	83	77



Job Satisfaction Indicators (Across Specialty Jobs) (Cont.)



	MANAGEMENT &	MANAGEMENT &	NCOIC, VEHICLE
	SUPERVISION	SUPERVISION	OPERATIONS
	CLUSTER (N=141)	JOB <u>(N=76)</u>	JOB <u>(N=22)</u>
JOB INTERESTING	88	92	82
TALENTS WELL UTILIZED	81	87	78
TRAINING WELL UTILIZED	83	87	78
SENSE OF ACCOMPLISHMENT	72	80	68
PLAN TO REENLIST	65	63	50



Job Satisfaction Indicators (Across AD, ANG, AFRC)



	AD (N=1,354)	ANG (N=249)	AFRC (N=97)
JOB INTERESTING	46	63	63
TALENTS WELL UTILIZED	69	79	74
TRAINING WELL UTILIZED	85	86	83
SENSE OF ACCOMPLISHMENT	53	68	55



Job Satisfaction Indicators (Current vs. Previous Study)



	1-48 MONTHS		1-48 MONTHS		1-48 MONTHS 49-96		49-96 M	96 MONTHS		97+ MONTHS	
	2004 (N=484)	1999 (N=533)		2004 (N=289)	1999 (N=409)	- 1	2004 N=581)	1999 (N=452)			
JOB INTERESTING	69	67		67	74		83	88			
TALENTS WELL UTILIZED	62	53		62	59		78	83			
TRAINING WELL UTILIZED	85	82		84	78		85	75			
SENSE OF ACCOMPLISHMENT	44	41		43	51		64	71			
PLAN TO REENLIST	52	50		68	61		77	70			



Retention Dimensions First-Term Airmen (N=484)



	PERCENT	
PLANNING TO REENLIST (N=250)	RESPONDING	AVERAGE
Medical or dental care for AD member	73	2.65
Pay and allowances	67	2.49
Retirement benefits	64	2.65
Job security	63	2.65
Military-related education & training opportunities	60	2.53
PLANNING TO SEPARATE (N=230)		
Military lifestyle	58	2.51
Pay and allowances	41	2.25
Work schedule	37	2.43
Location of present assignment	33	2.49
Civilian job opportunities	32	2.51

Scale: 1 = slight influence, 2 = moderate influence, 3 = strong influence



Retention Dimensions Second-Term Airmen (N=289)



	PERCENT	
PLANNING TO REENLIST (N=197)	RESPONDING	AVERAGE
Job security	71	2.61
Pay and allowances	70	2.51
Retirement benefits	67	2.67
Medical/dental care for AD member	61	2.67
Medical/dental care for family members	55	2.68
PLANNING TO SEPARATE (N=86)		
Military lifestyle	63	2.37
Pay and allowances	45	2.44
Number/duration of TDYs or deployments	42	2.78
Leadership at unit level	41	2.69
Esprit de corps/morale	40	2.56

Scale: 1 = slight influence, 2 = moderate influence, 3 = strong influence



Retention Dimensions Career Airmen (N=581)



	PERCENT	
PLANNING TO REENLIST (N=450)	RESPONDING	AVERAGE
Retirement benefits	74	2.71
Pay and allowances	61	2.45
Job security	59	2.60
Medical/dental care for family members	53	2.56
Medical/dental care for AD members	52	2.57
PLANNING TO SEPARATE (N=50)		
Number/duration of TDYs or deployments	48	2.58
Leadership at unit level	44	2.64
Military lifestyle	44	2.41
Pay and allowances	42	2.67
Esprit de corps/morale	42	2.52

Scale: 1 = slight influence, 2 = moderate influence, 3 = strong influence



Summary of Results



- Homogeneous career field
- Career ladder progression typical
 - Technical at 3-skill level
- Career ladder documents supported by survey data
 - STS provided comprehensive coverage of work performed by career ladder
 - Review of some items warranted
- Job satisfaction indicators are generally positive
 - Higher ratings in all job satisfaction indicators for first-term airmen in current study when compared to previous study
 - Lower ratings for current study second-term and career airmen in "sense of accomplishment from job" when compared to previous study



Way Ahead



- OSR Delivery Trip scheduled for June 2004
- Utilization and Training Workshop (U&TW) scheduled for Sept/Oct 04 at Fort Leonard Wood
- Next SKT rewrite (major) scheduled for Aug 04



Questions?





Visit our web site at:

https://www-r.omsq.af.mil/OA/oaproducts.htm

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Sustaining the Combat Capability of America's Air Force



Integrity - Service - Excellence