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FINAL APPENDICES TO VOLUME I TECHNICAL REPORT (A007)

All Source Analysis System (ASAS)
Block I
Abbreviated HARDMAN Analysis
(Delivery Order Number 0041)

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This volume contains the supporting documentation to Volume I, II and III of the ASAS Block I Abbreviated HARDMAN Analysis . The HCM was used to determine manpower, personnel, and training (MPT) requirements of the Block I ASAS, as well as the impacts of those requirements on the Army's current and future resources.

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Appendix A

TSE WCG Maintenance Data

AN/TYQ37(V)8 WCG		QTY	27J (ORG)	28N (ORG)	31V (ORG)	32T (ORG)	62C (ORG)	62D (ORG)	63B (ORG)	63J (ORG)	68N (ORG)	93D (ORG)	96B (ORG)	28E (DS)	28N (DS)	29B (DS)	32T (DS)	36H (DS)	36Y (DS)	39C (DS)	39L (DS)	43M (DS)	44B (DS)
COMPUTER, MICROVAX III	L2A	1	0	0	0	21.6	0	0	0	0	0	0	0	0	0	0	30.8	0	5.9	0	0	0	0
MONITOR, GRAPHICS, RUGGED	L2B	2	0	0	0	3.2	0	0	0	0	0	0	0	0	0	0	19.4	0	0.58	0	0	0	0
POWER SUPPLY	L2D	1	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0
PRINTER ADP	L2F	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0	0	0	0	0	0
KEYBOARD	L2R	1	0	0	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOUSE	L2S	1	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DISK DRIVE (DISK PACK)	L4V37	1	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0
OPTICAL DISK DRIVE	L4V43	1	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0
TOTAL AMMH			0.0	0.0	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.3	0.0	6.5	0.0	0.0	0.0	0.0

		QTY	62C (DS)	62D (DS)	63J (DS)	63W (DS)	68L (DS)	28E (GS)	28N (GS)	28BQ7 (GS)	36H (GS)	36M (GS)	39B (GS)	44B (GS)	62C (GS)	62D (GS)	63J (GS)	63W (GS)	TOTAL QUANTITY (ORG)	TOTAL QUANTITY (DS)	TOTAL QUANTITY (GS)	TOTAL TOTAL
COMPUTER, MICROVAX III	L2A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21.6	36.8	0	58.4
MONITOR, GRAPHICS, RUGGED	L2B	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	19.98	0	23.18
POWER SUPPLY	L2D	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	0	0.5
PRINTER ADP	L2F	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0	1.4
KEYBOARD	L2R	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	0	0	0.8
MOUSE	L2S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0.2
DISK DRIVE (DISK PACK)	L4V37	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	0	0.3
OPTICAL DISK DRIVE	L4V43	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0	0.2
TOTAL AMMH			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	58.8	0.0	84.8

Appendix B

TSE DPS Maintenance Data

AN/TYQ-38(V)3 DPS		QTY	27J (ORG)	28N (ORG)	31V (ORG)	33T (ORG)	52C (ORG)	52D (ORG)	53B (ORG)	53J (ORG)	58N (ORG)	93D (ORG)	96B (ORG)	29E (DS)	29N (DS)	29S (DS)	33T (DS)	38H (DS)	38Y (DS)	39C (DS)	39L (DS)	43M (DS)	44B (DS)
ECU, FLWL, 18,000 BTU	A24483	1	0	0	0	0	224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRYPT DEV: TSEC/KG-84	E03028	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0	0	0	0
SHELTER, S250G	L4B	1	0	0	0	24.4	0	0	0	0	0	0	0.01	0	0	0	0.9	0	0	0	0	0	0
COMM PROTOCOL PROC	L4K01	1	0	0	0	5.7	0	0	0	0	0	0	0	0	0	0	7.5	0	0.45	0	0	0	0
MULTIRATE MODEM	L4K11	2	0	0	0	0.6	0	0	0	0	0	0	0	0	0	0	5.4	0	0	0	0	0	0
MICROVAX III	L4V	2	0	0	0	17.8	0	0	0	0	0	0	6.36	0	0	0	35.2	0	0	0	0	0	0
DISK DRIVE (DISK PACK)	L4V37	4	0	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0.8	0	0	0	0	0	0
OPTICAL DISK DRIVE	L4V43	2	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0
POWER DIST & CONTRL ASSY	L8ABS	1	0	0	0	4.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TELEPHONE, TA 838/TT	V31282	1	0	21	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0
TOTAL MMH			0.0	21.0	0.0	53.2	224.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	21.0	0.4	50.0	0.0	0.5	0.0	0.0	0.0	0.0

		QTY	52C (DS)	52D (DS)	53J (DS)	53W (DS)	58L (DS)	29E (GS)	29N (GS)	29SG7 (GS)	38H (GS)	38M (GS)	39B (GS)	44B (GS)	52C (GS)	52D (GS)	53J (GS)	53W (GS)	TOTAL QUANTITY (ORG)	(DS)	(GS)	TOTAL TOTAL
ECU, FLWL, 18,000 BTU	A24483	1	109.2	0	0	0	0	0	0	0	0	0	0	0	80.3	0	0	0	224	109.2	80.3	413.5
ENCRYPT DEV: TSEC/KG-84	E03028	1	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0.4	0.2	0.6
SHELTER, S250G	L4B	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24.41	0.9	0	25.31
COMM PROTOCOL PROC	L4K01	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.7	7.95	0	13.65
MULTIRATE MODEM	L4K11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	5.4	0	6
MICROVAX III	L4V	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24.18	35.2	0	59.38
DISK DRIVE (DISK PACK)	L4V37	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.8	0	1.2
OPTICAL DISK DRIVE	L4V43	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0	0.4
POWER DIST & CONTRL ASSY	L8ABS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.1	0	0	4.1
TELEPHONE, TA 838/TT	V31282	1	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	21	21	7	49
TOTAL MMH			109.2	0.0	0.0	0.0	0.0	0.0	7.0	0.2	0.0	0.0	0.0	0.0	80.3	0.0	0.0	0.0	304.6	181.1	87.5	573.1

Appendix C

CCS Maintenance Data

AN/TYQ-49(V)2 CCB		QTY	27J (ORG)	29N (ORG)	31Y (ORG)	33T (ORG)	52C (ORG)	52D (ORG)	63B (ORG)	63J (ORG)	68N (ORG)	93D (ORG)	96B (ORG)	29E (DS)	29N (DS)	29R (DS)	33T (DS)	35H (DS)	36Y (DS)	39C (DS)	39L (DS)	43M (DS)	44B (DS)
ECU, FL/WL, 18,000 BTU	A24483	1	0	0	0	0	224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTENNA	A79381	2	0	0	5.6	0	0	0	0	0	0	33.6	0	2.8	0	0	0	0	0	0	0	0	0
DCT AN/PSC-2	D15941	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRYPT DEV: TSEC/KG-84	E03028	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0	0	0	0
UHF CONTROL HEAD, C-10739	E94970	1	0	0	2.8	0	0	0	0	0	0	0	0	1.4	0	0	0	0	0	0	0	0	0
CONTL RADIO SET C-6533/ARC	E95064	1	0	0	0	0	0	0	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0
DATA LINK PROCESSOR	F77807	1	0	0	0	494.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUSH TO TALK ASSEMBLY	L6ABA	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0	0	0
TERMINAL, DATA PROCESSING	L6ABE	1	0	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DISK DRIVE UNIT, R/RUD 53	L6ABK	1	0	0	0	4.5	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
COMPUTER, R-11/84	L6ABL	1	0	0	0	6.3	0	0	0	0	0	0	0	0	0	0	4.6	0	0.25	0	0	0	0
LINE ADAPTOR ASSEMBLY	L6ABM	1	0	0	0	6	0	0	0	0	0	0	0	0	0	0	2.7	0	0.12	0	0	0	0
PRINTER ADP	L6ABP	2	0	0	0	82.4	0	0	0	0	0	0	0	0	0	0	1.4	0	0	0	0	0	0
RECORDER, MDR 300 RADIO FREQ	L6ABR	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0
POWER DIST & CONTRL ASSY	L6ABS	1	0	0	0	4.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMM PROTOCOL PROC ASSY	L6ABT	1	0	0	0	3.4	0	0	0	0	0	0	0	0	0	0	6.2	0	0.1	0	0	0	0
CONVERTER, UNBAL TO BAL	L6ACE	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	0	0	0	0	0	0
SHELTER, S250G	L6AGC	1	0	0	0	93.5	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0
DISK DRIVE DISK PACK	L6AJR	2	0	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0
MULTIPLXER TD-1289 2/GRC	M27115	1	0	0	2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UHF RADIO, RT-1288, ARC-164	R31541	1	0	0	0	1.42	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0
RADIO SET, AN/VRC-92	R45339	2	0	0	75.6	0	0	0	0	0	0	0	0	21.6	0	0	0	0	0	0	0	0	0
SPEECH SEC EQPT, TSEC/KY-57	S01373	1	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0	0	0	0
TELEPHONE, TA 838/TT	V31292	1	0	21	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0
PWR SUPLY VEH,HYP-57/TSEC	V98788	1	0	0	2.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AMMH			0.0	21.0	89.6	666.6	224.0	0.0	0.0	0.0	28.4	33.6	0.0	25.8	21.0	0.8	20.3	0.0	0.5	0.0	0.0	0.0	0.0

		QTY	52C (DS)	52D (DS)	63J (DS)	63W (DS)	68L (DS)	29E (GS)	29N (GS)	29BG7 (GS)	35H (GS)	39M (GS)	39B (GS)	44B (GS)	52C (GS)	52D (GS)	63J (GS)	63W (GS)	TOTAL QUANTITY (ORG)	TOTAL QUANTITY (DS)	TOTAL QUANTITY (GS)	TOTAL TOTAL
ECU, FL/WL, 18,000 BTU	A24483	1	109.2	0	0	0	0	0	0	0	0	0	0	0	80.3	0	0	0	224	109.2	80.3	413.5
ANTENNA	A79381	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39.2	2.8	0	42
DCT AN/PSC-2	D15941	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRYPT DEV: TSEC/KG-84	E03028	1	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0.4	0.2	0.6
UHF CONTROL HEAD, C-10739	E94970	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.8	1.4	0	4.2
CONTL RADIO SET C-6533/ARC	E95064	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0.4	2	0	2.4
DATA LINK PROCESSOR	F77807	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	494.2	0	0	494.2
PUSH TO TALK ASSEMBLY	L6ABA	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0.6
TERMINAL, DATA PROCESSING	L6ABE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0.4
DISK DRIVE UNIT, R/RUD 53	L6ABK	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.5	3	0	7.5
COMPUTER, R-11/84	L6ABL	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.3	4.85	0	11.15
LINE ADAPTOR ASSEMBLY	L6ABM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2.82	0	8.82
PRINTER ADP	L6ABP	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82.4	1.4	0	83.8
RECORDER, MDR 300 RADIO FREQ	L6ABR	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0.3
POWER DIST & CONTRL ASSY	L6ABS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.1	0	0	4.1
COMM PROTOCOL PROC ASSY	L6ABT	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.4	6.3	0	9.7
CONVERTER, UNBAL TO BAL	L6ACE	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	0	1.2
SHELTER, S250G	L6AGC	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93.5	0.1	0	93.6
DISK DRIVE DISK PACK	L6AJR	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.2	0	0.6
MULTIPLXER TD-1289 2/GRC	M27115	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.8	0	0	2.8
UHF RADIO, RT-1288, ARC-164	R31541	1	0	0	0	0	1.4	0	0	0	0	0	0	0	0	0	0	0	29.42	1.4	0	30.82
RADIO SET, AN/VRC-92	R45339	2	0	0	0	0	0	9.6	0	0	0	0	4	0	0	0	0	0	75.6	21.6	13.6	110.8
SPEECH SEC EQPT, TSEC/KY-57	S01373	1	0	0	0	0	0	0	0	1.2	0	0	0	0	0	0	0	0	0.4	0.4	1.2	2
TELEPHONE, TA 838/TT	V31292	1	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	21	21	7	49
PWR SUPLY VEH,HYP-57/TSEC	V98788	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4	0	0	2.4
TOTAL AMMH			109.2	0.0	0.0	0.0	3.4	9.6	7.0	1.4	0.0	0.0	4.0	0.0	80.3	0.0	0.0	0.0	1063.2	181.0	102.3	1346.5

Appendix D

TCAE W/S Maintenance Data

TCAE Workstation		QTY	27J (ORG)	28M (ORG)	31V (ORG)	33T (ORG)	52C (ORG)	52D (ORG)	63B (ORG)	63J (ORG)	66N (ORG)	93D (ORG)	96B (ORG)	29E (DS)	29N (DS)	29S (DS)	33T (DS)	38H (DS)	38Y (DS)	39C (DS)	39L (DS)	43M (DS)	44B (DS)
CD-ROM PLAYER	HEL1CD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MONITOR, Graphics Rugged	HEL1B	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DISK DRIVE, 5.25"	HEL1DD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TAPE DRIVE, 0.25"	HEL1TD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRINTER (COLOR)	HEL1PC	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRINTER (LASER)	HEL1PL	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KEYBOARD	HEL1R	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOUSE	HEL1R	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COMPUTER CHASSIS	HEL1X	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DISK DRIVE (DISK PACK)	HEL1R	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL AMRH			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

		QTY	52C (DS)	52D (DS)	63J (DS)	63W (DS)	66L (DS)	29E (GS)	29N (GS)	29SG7 (GS)	35H (GS)	35M (GS)	39B (GS)	44B (GS)	52C (GS)	52D (GS)	63J (GS)	63W (GS)	TOTAL QUANTITY (ORG)	TOTAL QUANTITY (DS)	TOTAL QUANTITY (GS)	TOTAL TOTAL
CD-ROM PLAYER	HEL1CD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
MONITOR, Graphics Rugged	HEL1B	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
DISK DRIVE, 5.25"	HEL1DD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
TAPE DRIVE, 0.25"	HEL1TD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
PRINTER (COLOR)	HEL1PC	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
PRINTER (LASER)	HEL1PL	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
KEYBOARD	HEL1R	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
MOUSE	HEL1R	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
COMPUTER CHASSIS	HEL1X	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
DISK DRIVE (DISK PACK)	HEL1R	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
TOTAL AMRH			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix E

TCAC Maintenance Data

TCAC		QTY	27J (ORG)	29M (ORG)	31V (ORG)	33T (ORG)	52C (ORG)	52D (ORG)	63B (ORG)	63J (ORG)	69N (ORG)	93D (ORG)	96B (ORG)	29E (DS)	29N (DS)	29S (DS)	33T (DS)	35H (DS)	35Y (DS)	39C (DS)	39L (DS)	43M (DS)	44B (DS)
DATA ANAL CENTRAL (V6	Z20488	1	0	0	0	0	476	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DATA ANAL CENTRAL (V4	Z20489	1	0	0	0	0	476	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAINTENANCE KIT-22	Z41343	1	0	0	0	5.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MODEM CODEX (1 CHAN/2 CHAN)	M58771	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AMBH			0.0	0.0	0.0	5.2	952.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

		QTY	52C (DS)	52D (DS)	63J (DS)	63W (DS)	69L (DS)	29E (GS)	29N (GS)	29SQ7 (GS)	35H (GS)	35M (GS)	39B (GS)	44B (GS)	52C (GS)	52D (GS)	63J (GS)	63W (GS)	TOTAL QUANTITY (ORG)	TOTAL QUANTITY (DS)	TOTAL QUANTITY (GS)	TOTAL TOTAL
DATA ANAL CENTRAL (V6	Z20488	1	182	0	0	0	0	0	0	0	0	0	0	0	109.8	0	0	0	476	182	109.8	767.8
DATA ANAL CENTRAL (V4	Z20489	1	182	0	0	0	0	0	0	0	0	0	0	0	109.8	0	0	0	476	182	109.8	767.8
MAINTENANCE KIT-22	Z41343	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.2	0	0	5.2
MODEM CODEX (1 CHAN/2 CHAN)	M58771	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AMBH			364.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	219.6	0.0	0.0	0.0	957.2	364.0	219.6	1540.8

Appendix F

ASIOE Maintenance Data

EQUIPMENT ITEM	LIN/ LCN	27J (ORG)	29N (ORG)	31V (ORG)	33T (ORG)	52C (ORG)	52D (ORG)	63B (ORG)	63J (ORG)	68N (ORG)	93D (ORG)	96B (ORG)	29E (DS)	29N (DS)	29S (DS)	33T (DS)	35H (DS)	35Y (DS)	39C (DS)	39L (DS)	43M (DS)	44B (DS)	52C (DS)
MSE DATA ADAPTER	A00805				0.0																		
ECU, FLAWL, 18,000 BTU	A24483					224.0																	109.2
ALARM CHEM AGENT AUTO P-M	A32080			1.3									2.4										
ANALYZER, TS-40941G	A58223																						
SATCOM, ANTENNA, TACTICAL	A78212				28.0																		
ANTENNA	A79381			2.8							18.8		1.4										
MOUNT, CA350	A80917				0.0																		
CNTR ELEC DG/T: AN/USM-459	C18298																						
DCT AN/PSC-2	D15941																						
ENCRYPT DEV: TSEC/KG-84	E03028														0.4								
UHF CONTROL HEAD, C-10739	E04970			2.8	0.0								1.4										
CONTL RADIO SET C-9533/ARC	E05084									0.4													
TRANSFER KEY, KYK-13/TSEC	E06103			0.3											0.3								
CONVERTER, DC/DC	F01268																						
POWER CONVERTER/UPS	F03282			43.8									10.2										
DIST SYS ELEC:120/208 40A	F55485						70.0																
DIST SYS ELEC: M 200A	F55489						70.0																
DATA LINK PROCESSOR	F77807				494.2																		
DECONTAMINATION, APP	F81880								42.0														
FIBER OPTIC VOICE SWITCH	FOVS				0.0																		
DISTRIBUTION BOX, J-1077/U	G26890																						
GEN, DSL, 10 KW, PU-753/M	G40744						285.6	98.0														4.2	
MCPE M-20	H48904								18.5														
MONITOR, Graphics Rugged	HEL1B																						
CD-ROM PLAYER	HEL1CD																						
DISK DRIVE, 5.25"	HEL1DD																						
PRINTER (COLOR)	HEL1PC																						
PRINTER (LASER)	HEL1PL																						
KEYBOARD	HEL1R																						
TAPE DRIVE, 0.25"	HEL1TD																						
COMPUTER, CHASSIS	HEL1X																						
ELEC SHOP SHELTER, AN/147	H01912										145.6												
GEN, 30 KW, PU-406 B/M	J36383						257.6	98.0															
ADAPTIVE PROG INTERFACE UNIT	K14951																						
COMPUTER, MICROVAX III	L2A				21.6											30.9		5.9					
MONITOR, GRAPHICS, RUGGED	L2B				1.6											9.7		0.3					
POWER SUPPLY	L2D				0.2											0.3							
PRINTER ADP	L2F															1.4							
KEYBOARD	L2R				0.6																		
MOUSE	L2S				0.2																		
WORKSTATION, TRANS/T FRAME	L2X																						
SHELTER, S250G	L4B				24.4							0.0				0.9							
COMM PROTOCOL PROC	L4K01				5.7											7.5		0.5					
MULTIRATE MODEM	L4K11				0.3											2.7							
MICROVAX III	L4V				8.9							3.2				17.6							
DISK DRIVE (DISK PACK)	L4V37				0.1											0.2							
OPTICAL DISK DRIVE	L4V43				0.1											0.1							
PUSH TO TALK ASSEMBLY	L6ABA															0.6							
TERMINAL, DATA PROCESSING	L6ABE				0.4																		
DISK DRIVE UNIT, RVRUD 53	L6ABK				4.5											3.0							
COMPUTER, R-11/84	L6ABL				6.3											4.6		0.3					
LINE ADAPTOR ASSEMBLY	L6ABM				6.0											2.7		0.1					
PRINTER ADP	L6ABP				41.2											0.7							
RECORDER, MDR 300 RADIO FREQ	L6ABR															0.3							
POWER DIST & CONTRL ASSY	L6ABS				4.1																		
COMM PROTOCOL PROC ASSY	L6ABT				3.4											6.2		0.1					
CONVERTER, UNBAL TO BAL	L6ACE															0.6							
SHELTER, S250G	L6AGC				63.5											0.1							
DATA LINK PROCESSOR	L6AJK				0.1																		
DISK DRIVE DISK PACK	L6AJR				0.2											0.1							
LARGE SCREEN, DISPLAY	LGSC				5.1																		
MULTIPLXER TD-1289 2/QRC	M27115			2.8																			
MODEM CODEX (1 CHAS/2 CHAN)	M58771																						

EQUIPMENT ITEM	LIN/ LCM	52D (DS)	63J (DS)	63W (DS)	68L (DS)	29E (GS)	29N (GS)	29BG7 (GS)	35H (GS)	35M (GS)	39B (GS)	44B (GS)	52C (GS)	52D (GS)	63J (GS)	63W (GS)	TOTAL QUANTITY (ORG)	(DS)	(GS)	TOTAL TOTAL
MSE DATA ADAPTER	A09805																0.0	0.0	0.0	0.0
ECU, FL/WL, 18,000 BTU	A24493											0.0	80.3				224.0	108.2	80.3	413.5
ALARM CHEM AGENT AUTO P-M	A32080					1.3											1.3	2.4	1.3	5.0
ANALYZER, TS-400441G	A58223								25.8								0.0	0.0	25.8	25.8
SATCOM, ANTENNA, TACTICAL	A78212																28.0	0.0	0.0	28.0
ANTENNA	A78381																19.6	1.4	0.0	21.0
MOUNT, GA350	A80617																0.0	0.0	0.0	0.0
CNTR ELEC DQIT: AN/USM-459	C19698								39.0								0.0	0.0	39.0	39.0
DCT AN/PSC-2	D15841																0.0	0.0	0.0	0.0
ENCRYPT DEV: TSEC/KG-84	E03028							0.2									0.0	0.4	0.2	0.6
UHF CONTROL HEAD, C-10738	E94970																2.8	1.4	0.0	4.2
CONTL RADIO SET C-9533/ARC	E95084				2.0												0.4	2.0	0.0	2.4
TRANSFER KEY, KYK-13/TSEC	E96103							0.4									0.3	0.3	0.4	1.0
CONVERTER, DC/DC	F01296								28.1								0.0	0.0	28.1	28.1
POWER CONVERTER/UPS	F03282					3.1											43.8	10.2	3.1	57.1
DIST SYS ELEC:120/208 40A	F55485	35.0												30.5			70.0	35.0	30.5	135.5
DIST SYS ELEC: M 200A	F55889	35.0												30.5			70.0	35.0	30.5	135.5
DATA LINK PROCESSOR	F77807																494.2	0.0	0.0	494.2
DECONTAMINATION, APP	F81880		34.0												49.0		42.0	34.0	49.0	125.0
FIBER OPTIC VOICE SWITCH	FOVS																0.0	0.0	0.0	0.0
DISTRIBUTION BOX, J-1077/U	G26890																0.0	0.0	0.0	0.0
GEN, DSL, 10 KW, PU-753/M	G40744	147.0		16.0								2.4		85.4			381.6	167.2	87.8	636.6
MCPE M-20	H48904		8.7												11.0		18.5	8.7	11.0	38.2
MONITOR, Graphics Rugged	HEL1B																0.0	0.0	0.0	0.0
CD-ROM PLAYER	HEL1CD																0.0	0.0	0.0	0.0
DISK DRIVE, 5.25"	HEL1DD																0.0	0.0	0.0	0.0
PRINTER (COLOR)	HEL1PC																0.0	0.0	0.0	0.0
PRINTER (LASER)	HEL1PL																0.0	0.0	0.0	0.0
KEYBOARD	HEL1R																0.0	0.0	0.0	0.0
TAPE DRIVE, 0.25"	HEL1TD																0.0	0.0	0.0	0.0
COMPUTER, CHASSIS	HEL1X																0.0	0.0	0.0	0.0
ELEC SHOP SHELTER, AN/147	H01912																145.6	0.0	0.0	145.6
GEN, 30 KW, PU-406 B/M	J36383	134.4		18.0										83.0			353.8	150.4	83.0	587.0
ADAPTIVE PROG INTERFACE UNIT	K14951																0.0	0.0	0.0	0.0
COMPUTER, MICROVAX III	L2A																21.6	36.8	0.0	58.4
MONITOR, GRAPHICS, RUGGED	L2B																1.6	10.0	0.0	11.6
POWER SUPPLY	L2D																0.2	0.3	0.0	0.5
PRINTER ADP	L2F																0.0	1.4	0.0	1.4
KEYBOARD	L2R																0.6	0.0	0.0	0.6
MOUSE	L2S																0.2	0.0	0.0	0.2
WORKSTATION, TRANSIT FRAME	L2X																0.0	0.0	0.0	0.0
SHELTER, S250G	L4B																24.4	0.9	0.0	25.3
COMM PROTOCOL PROC	L4K01																5.7	8.0	0.0	13.7
MULTIRATE MODEM	L4K11																0.3	2.7	0.0	3.0
MICROVAX III	L4V																12.1	17.6	0.0	29.7
DISK DRIVE (DISK PACK)	L4V37																0.1	0.2	0.0	0.3
OPTICAL DISK DRIVE	L4V43																0.1	0.1	0.0	0.2
PUSH TO TALK ASSEMBLY	L8ABA																0.0	0.6	0.0	0.6
TERMINAL, DATA PROCESSING	L8ABE																0.4	0.0	0.0	0.4
DISK DRIVE UNIT, RVRUD 53	L8ABK																4.5	3.0	0.0	7.5
COMPUTER, R-11/84	L8ABL																6.3	4.9	0.0	11.2
LINE ADAPTOR ASSEMBLY	L8ABM																6.0	2.8	0.0	8.8
PRINTER ADP	L8ABP																41.2	0.7	0.0	41.9
RECORDER, MDR 300 RADIO FREQ	L8ABR																0.0	0.3	0.0	0.3
POWER DIST & CONTRL ASSY	L8ABS																4.1	0.0	0.0	4.1
COMM PROTOCOL PROC ASSY	L8ABT																3.4	6.3	0.0	9.7
CONVERTER, UNBAL TO BAL	L8ACE																0.0	0.6	0.0	0.6
SHELTER, S250G	L8AGC																63.5	0.1	0.0	63.6
DATA LINK PROCESSOR	L8AJK																0.1	0.0	0.0	0.1
DISK DRIVE DISK PACK	L8AJR																0.2	0.1	0.0	0.3
LARGE SCREEN, DISPLAY	LGSC																5.1	0.0	0.0	5.1
MULTIPLXER TD-1289 2/GRC	M27115																2.8	0.0	0.0	2.8
MODEM CODEX (1 CHAS/2 CHAN)	M58771																0.0	0.0	0.0	0.0

EQUIPMENT ITEM	LIN/ LCN	27J (ORG)	29M (ORG)	31V (ORG)	33T (ORG)	52C (ORG)	52D (ORG)	63B (ORG)	63J (ORG)	68N (ORG)	93D (ORG)	96B (ORG)	29E (DS)	29N (DS)	29S (DS)	33T (DS)	35H (DS)	35Y (DS)	39C (DS)	39L (DS)	43M (DS)	44B (DS)	52C (DS)
MULTIMETER DIG. AN/PSM-45	M60449																						
AN/PSM-43	N17155																						
GEN. DSL. 30 KW (2), MJO-10	P27819						515.2	192.1															
GEN. 10 KW, MJO-18	P28015						511.1	128.0															
OSCILLOSCOPE AN/USM-400	P30693																						
POWER SUPPLY: PP2983/U	P36588			23.9							5.6		49.0										
POWER CABLE, 50 FT	POW50				0.0																		
UHF RADIO, RT-1288, ARC-164	R31541				1.4					28.0													
RADIO TEST SET GP, OQ-273/ARC-164	R35928																						
RADIO SET, AN/VRC-92	R45339			37.8									10.8										
RECHG BTRY HYP-71/TSEC	R61474																						
SPEECH SEC EQPT, TSEC/KY-57	S01373			0.4											0.4								
SECURE VOICE, TSEC/KY-68	S64488			0.0											0.1								
SWITCHBD, SB-36141VB/TT	S82704			23.9										72.9									
TAPE READ KOI-18/TSEC	T40405			0.3											0.3								
TRK, SHELTER, 5/4T, M1026	T59414							235.1															
TRK CARGO, 5/4TW/E M1008	T59482							235.1															
HMMWV, 5/4T, UTILITY	T92242							235.1															
ASSY ELEC UTIL M46	U89185			14.1			70.0																
TELEPHONE, TA 836/TT	V31292		21.0											21.0									
PWR SUPLY VEH,HYP-57/TSEC	V98788			2.4																			
WIRELINE ADPTR HYX-57/TSEC	W80351																						
TRLR CARGO:3/4T, M101A2	W95537							128.0															
TRK CARGO M825, 5 TON	X40931							354.1													0.6		
DATA ANAL CENTRAL (V)5	Z20488				NA	476.0																	
DATA ANAL CENTRAL (V)4	Z20489				NA	476.0																	182.0
MAINTENANCE KIT-22	Z41343				5.2																		182.0
GEN. DSL. 10 KW, PU-798M	Z44646						70.1	128.0															
HAND HELD TERMINAL	Z49303				0.0																		
BASE SHOP TEST FACILITY	Z81740	26.9											6.4				28.0					1.4	
CONTACT TEST SET(Z83384-No MARC)	Z83022				0.3											1.7							

EQUIPMENT ITEM	LIN/ LCN	62D (DS)	63J (DS)	63W (DS)	68L (DS)	29E (GS)	29M (GS)	29BG7 (GS)	35H (GS)	35M (GS)	39B (GS)	44B (GS)	52C (GS)	52D (GS)	63J (GS)	63W (GS)	TOTAL QUANTITY (ORG)	TOTAL QUANTITY (DS)	TOTAL QUANTITY (GS)	TOTAL TOTAL
MULTIMETER DIG, AN/PSM-45	M80449								24.4								0.0	0.0	24.4	24.4
AN/PSM-49	N17155								22.0								0.0	0.0	22.0	22.0
GEN, DSL, 30 KW GR, MJQ-10	P27819			31.9										165.9			707.3	31.9	165.9	905.1
GEN, 10 KW, MJQ-10	P28015	294.0		16.0										170.8			839.1	310.0	170.8	1119.9
OSCILLOSCOPE, AN/USM-488	P30693								2.3								0.0	0.0	2.3	2.3
POWER SUPPLY, PP8604J	P38688					28.1											29.5	49.0	28.1	106.6
POWER CABLE, 50 FT	PCW50																0.0	0.0	0.0	0.0
UHF RADIO, RT-1286, ARC-164	R31541				1.4												29.4	1.4	0.0	30.8
RADIO TEST SET GP, OO-273/ARC-164	R35620				7.0												0.0	7.0	0.0	7.0
RADIO SET, AN/VRC-92	R45338					4.8					2.0						37.8	10.8	6.8	55.4
RECHG BTRY HYP-71/TSEC	R81474																0.0	0.0	0.0	0.0
SPEECH SEC EQPT, TSEC/KY-57	S01373							1.2									0.4	0.4	1.2	2.0
SECURE VOICE, TSEC/KY-68	S64488																0.0	0.1	0.0	0.1
SWITCHBD, SB-3614 1VB/TT	S82704						47.5										23.9	72.9	47.5	144.3
TAPE READ KOI-18/TSEC	T40405																0.3	0.3	0.0	0.6
TRK, SHELTER, 5/4T, M1028	T58414			71.0												54.0	235.1	71.0	54.0	360.1
TRK CARGO, 5/4TWHE M1008	T58482			71.0												54.0	235.1	71.0	54.0	360.1
HMMWV, 5/4T, UTILITY	T92242			71.0												54.0	235.1	71.0	54.0	360.1
ASSY ELEC UTIL M48	U89185	35.0												30.5			84.1	35.0	30.5	149.6
TELEPHONE, TA 838/TT	V31292						7.0										21.0	21.0	7.0	49.0
PWR SUPLY VEH,HYP-57/TSEC	V98788																2.4	0.0	0.0	2.4
WIRELINE ADPTR HYX-57/TSEC	W80351							0.1									0.0	0.0	0.1	0.1
TRLR CARGO:3/4T, M101A2	W85537			22.0													128.0	22.8	0.0	150.8
TRK CARGO M809, 5 TON	X40831			100.0												83.0	354.1	100.0	83.0	537.1
DATA ANAL CENTRAL (V)6	Z20488												109.8				476.0	182.0	109.8	767.8
DATA ANAL CENTRAL (V)4	Z20489												109.8				476.0	182.0	109.8	767.8
MAINTENANCE KIT-22	Z41343																5.2	0.0	0.0	5.2
GEN, DSL, 10 KW, PU-798M	Z44646	4.5		22.0										2.2			199.1	26.5	2.2	228.8
HAND HELD TERMINAL	Z49303																0.0	0.0	0.0	0.0
BASE SHOP TEST FACILITY	Z81740		39.2						4.9		36.1	3.3					26.9	75.0	44.3	146.2
CONTACT TEST SET(Z83384-No MARC)	Z83022										1.6						0.3	1.7	1.6	3.6

Appendix G

Enclave Supplemental Equipment Maintenance Data

			27J	29M	31V	33T	52C	52D	63B	63J	68N	93D	96B	29E	29N	29B	33T	35H	35Y	39C	39L	43M	44B
SUP 1 (CORPS & DIV TMD)		QTY	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)
MSE DATA ADAPTER	A08605	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSFER KEY, KYK-13/TSEC	E98103	14	0	0	4.2	0	0	0	0	0	0	0	0	0	0	4.2	0	0	0	0	0	0	0
DIST SYS ELEC:120/208 40A	F55485	2	0	0	0	0	0	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST SYS ELEC: M 200A	F55689	1	0	0	0	0	0	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRINTER ADP	L8ABP	1	0	0	0	41.2	0	0	0	0	0	0	0	0	0	0	0.7	0	0	0	0	0	0
GEN, DSL, 30 KW (2), M.IO-10	P27819	1	0	0	0	0	0	515.2	192.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POWER SUPPLY: PP2653J	P30588	1	0	0	23.8	0	0	0	0	0	0	5.6	0	49	0	0	0	0	0	0	0	0	0
RADIO TEST SET GP, OD-273/ARC-164	R35828	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SECURE VOICE, TSEC/KY-98	S84488	14	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0	0	0	0	0	0	0
SWITCHBD, SB-38141VB/TT	S82704	1	0	0	23.8	0	0	0	0	0	0	0	0	0	72.8	0	0	0	0	0	0	0	0
TAPE READ KOI-18/TSEC	T40405	1	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0
TRK, SHELTER, 3/4T, M1028	T59414	3	0	0	0	0	0	0	705.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TELEPHONE, TA 838/TT	V31292	6	0	126	0	0	0	0	0	0	0	0	0	0	126	0	0	0	0	0	0	0	0
TRK CARGO M925, 5 TON	X40831	2	0	0	0	0	0	0	708.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTACT TEST SET(ZB3384-No MARC)	Z83022	4	0	0	0	1.2	0	0	0	0	0	0	0	0	0	0	6.6	0	0	0	0	0	0
TOTAL MMH			0.0	126.0	52.3	42.4	0.0	725.2	1605.6	0.0	0.0	5.6	0.0	49.0	198.8	5.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0

			52C	52D	63J	63W	68L	29E	29N	29BG7	35H	35M	39B	44B	52C	52D	63J	63W	TOTAL QUANTITY			TOTAL	
		QTY	(DS)	(DS)	(DS)	(DS)	(DS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(ORG)	(DS)	(GS)	TOTAL	
MSE DATA ADAPTER	A08605	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TRANSFER KEY, KYK-13/TSEC	E98103	14	0	0	0	0	0	0	0	5.6	0	0	0	0	0	0	0	0	4.2	4.2	5.6	14	
DIST SYS ELEC:120/208 40A	F55485	2	0	70	0	0	0	0	0	0	0	0	0	0	0	61	0	0	140	70	61	271	
DIST SYS ELEC: M 200A	F55689	1	0	35	0	0	0	0	0	0	0	0	0	0	0	30.5	0	0	70	35	30.5	135.5	
PRINTER ADP	L8ABP	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41.2	0.7	0	41.9	
GEN, DSL, 30 KW (2), M.IO-10	P27819	1	0	0	0	31.9	0	0	0	0	0	0	0	0	0	195.9	0	0	707.3	31.9	195.9	905.1	
POWER SUPPLY: PP2653J	P30588	1	0	0	0	0	0	28.1	0	0	0	0	0	0	0	0	0	0	29.5	49	28.1	106.6	
RADIO TEST SET GP, OD-273/ARC-164	R35828	1	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	7	0	7	
SECURE VOICE, TSEC/KY-98	S84488	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0	1.4	
SWITCHBD, SB-38141VB/TT	S82704	1	0	0	0	0	0	0	47.5	0	0	0	0	0	0	0	0	0	23.8	72.8	47.5	144.3	
TAPE READ KOI-18/TSEC	T40405	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.3	0	0.6	
TRK, SHELTER, 3/4T, M1028	T59414	3	0	0	0	213	0	0	0	0	0	0	0	0	0	0	0	162	705.3	213	162	1080.3	
TELEPHONE, TA 838/TT	V31292	6	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	126	126	42	294	
TRK CARGO M925, 5 TON	X40831	2	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	166	708.2	200	166	1074.2	
CONTACT TEST SET(ZB3384-No MARC)	Z83022	4	0	0	0	0	0	0	0	0	0	0	6.4	0	0	0	0	0	1.2	6.6	6.4	14.4	
TOTAL MMH			0.0	105.0	0.0	444.9	7.0	28.1	89.5	5.6	0.0	0.0	6.4	0.0	0.0	257.4	0.0	328.0	2557.1	616.2	715.0	4090.3	

SUP 2 (CORPS & DIV TCAD)		QTY	27J (ORG)	29M (ORG)	31V (ORG)	33T (ORG)	52C (ORG)	52D (ORG)	63B (ORG)	63J (ORG)	68N (ORG)	93D (ORG)	98B (ORG)	29E (DS)	29N (DS)	29S (DS)	33T (DS)	38H (DS)	38Y (DS)	39C (DS)	39L (DS)	43M (DS)	44B (DS)
MSE DATA ADAPTER	A09605	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSFER KEY, KYK-13/TSEC	E88103	3	0	0	0.9	0	0	0	0	0	0	0	0	0	0	0.9	0	0	0	0	0	0	0
DIST SYS ELEC:120/208 40A	F55485	2	0	0	0	0	0	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELEC SHOP SHELTER, AN/147	H01912	1	0	0	0	0	0	0	0	0	0	145.8	0	0	0	0	0	0	0	0	0	0	0
GEN, 30 KW, PU-406 B/M	J38383	2	0	0	0	0	0	515.2	192	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GEN, 10 KW, MJQ-18	P28015	1	0	0	0	0	0	511.1	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SECURE VOICE, TSEC/KY-68	S64488	10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
TAPE READ KOI-18/TSEC	T40405	1	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0
TELEPHONE, TA 838/TT	V31292	1	0	21	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0
TRK CARGO M925, 5 TON	X40931	4	0	0	0	0	0	0	1416.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL MMH			0.0	21.0	1.2	0.0	0.0	1166.3	1736.4	0.0	0.0	145.8	0.0	0.0	21.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0

		QTY	52C (DS)	52D (DS)	63J (DS)	63W (DS)	68L (DS)	29E (GS)	29N (GS)	29SG7 (GS)	35H (GS)	35M (GS)	39B (GS)	44B (GS)	52C (GS)	52D (GS)	63J (GS)	63W (GS)	TOTAL QUANTITY (ORG)	TOTAL QUANTITY (DS)	TOTAL QUANTITY (GS)	TOTAL TOTAL
MSE DATA ADAPTER	A09605	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSFER KEY, KYK-13/TSEC	E88103	3	0	0	0	0	0	0	0	1.2	0	0	0	0	0	0	0	0	0.9	0.9	1.2	3
DIST SYS ELEC:120/208 40A	F55485	2	0	70	0	0	0	0	0	0	0	0	0	0	0	61	0	0	140	70	61	271
ELEC SHOP SHELTER, AN/147	H01912	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145.8	0	0	145.8
GEN, 30 KW, PU-406 B/M	J38383	2	0	268.8	0	32	0	0	0	0	0	0	0	0	0	166	0	0	707.2	300.8	166	1174
GEN, 10 KW, MJQ-18	P28015	1	0	294	0	16	0	0	0	0	0	0	0	0	0	170.8	0	0	639.1	310	170.8	1119.9
SECURE VOICE, TSEC/KY-68	S64488	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
TAPE READ KOI-18/TSEC	T40405	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.3	0	0.6
TELEPHONE, TA 838/TT	V31292	1	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	21	21	7	49
TRK CARGO M925, 5 TON	X40931	4	0	0	0	400	0	0	0	0	0	0	0	0	0	0	0	332	1416.4	400	332	2148.4
TOTAL MMH			0.0	632.8	0.0	448.0	0.0	0.0	7.0	1.2	0.0	0.0	0.0	0.0	0.0	397.8	0.0	332.0	3070.5	1104.0	738.0	4912.5

SUP 3 &T (BY TBD)		QTY	27J (ORG)	29M (ORG)	31V (ORG)	33T (ORG)	52C (ORG)	52D (ORG)	63B (ORG)	63J (ORG)	68M (ORG)	91D (ORG)	94B (ORG)	29E (DS)	29N (DS)	29B (DS)	33T (DS)	35H (DS)	35Y (DS)	39C (DS)	39L (DS)	43M (DS)	44B (DS)
MSE DATA ADAPTER	A09605	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSFER KEY, KYK-13/TSEC	E98103	14	0	0	4.2	0	0	0	0	0	0	0	0	0	0	4.2	0	0	0	0	0	0	0
DIST SYS, ELEC:120/208 40A	F55485	2	0	0	0	0	0	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRINTER ADP	LBABP	1	0	0	0	41.2	0	0	0	0	0	0	0	0	0	0	0.7	0	0	0	0	0	0
POWER SUPPLY: PP3858J	P38588	1	0	0	23.9	0	0	0	0	0	0	5.6	0	49	0	0	0	0	0	0	0	0	0
RADIO TEST SET GP, OD-273/ARC-184	R35828	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SECURE VOICE, TSEC/KY-68	S84488	14	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0	0	0	0	0	0	0
SWITCHBD, SB-38141V8/TT	S82704	1	0	0	23.9	0	0	0	0	0	0	0	0	0	72.9	0	0	0	0	0	0	0	0
TAPE READ KOI-18/TSEC	T40405	1	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0
TRK, SHELTER, 5/4T, M1028	T58414	3	0	0	0	0	0	0	705.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRK CARGO, 5/4TW/E M1008	T58482	3	0	0	0	0	0	0	705.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TELEPHONE, TA 838/TT	V31282	8	0	126	0	0	0	0	0	0	0	0	0	0	126	0	0	0	0	0	0	0	0
TRLR CARGO:3/4T, M101A2	W85537	2	0	0	0	0	0	0	258	0	0	0	0	0	0	0	0	0	0	0	0	1.2	0
GEN, DSL, 10 KW, PU-798M	Z44646	3	0	0	0	0	0	210.3	384	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AMSM			0.0	126.0	52.3	41.2	0.0	350.3	2050.6	0.0	0.0	5.6	0.0	49.0	198.9	5.9	0.7	0.0	0.0	0.0	0.0	1.2	0.0

		QTY	52C (DS)	52D (DS)	63J (DS)	63W (DS)	68L (DS)	29E (GS)	29N (GS)	29BG7 (GS)	35H (GS)	35M (GS)	39B (GS)	44B (GS)	52C (GS)	52D (GS)	63J (GS)	63W (GS)	TOTAL QUANTITY (ORG)	TOTAL QUANTITY (DS)	TOTAL QUANTITY (GS)	TOTAL TOTAL
MSE DATA ADAPTER	A09605	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSFER KEY, KYK-13/TSEC	E98103	14	0	0	0	0	0	0	0	5.6	0	0	0	0	0	0	0	0	4.2	4.2	5.6	14
DIST SYS, ELEC:120/208 40A	F55485	2	0	70	0	0	0	0	0	0	0	0	0	0	0	61	0	0	140	70	61	271
PRINTER ADP	LBABP	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41.2	0.7	0	41.9
POWER SUPPLY: PP3858J	P38588	1	0	0	0	0	0	28.1	0	0	0	0	0	0	0	0	0	0	29.5	49	28.1	106.6
RADIO TEST SET GP, OD-273/ARC-184	R35828	1	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	7	0	7
SECURE VOICE, TSEC/KY-68	S84488	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0	1.4
SWITCHBD, SB-38141V8/TT	S82704	1	0	0	0	0	0	0	47.5	0	0	0	0	0	0	0	0	0	23.9	72.9	47.5	144.3
TAPE READ KOI-18/TSEC	T40405	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.3	0	0.6
TRK, SHELTER, 5/4T, M1028	T58414	3	0	0	0	213	0	0	0	0	0	0	0	0	0	0	0	162	705.3	213	162	1080.3
TRK CARGO, 5/4TW/E M1008	T58482	3	0	0	0	213	0	0	0	0	0	0	0	0	0	0	0	162	705.3	213	162	1080.3
TELEPHONE, TA 838/TT	V31282	8	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	126	126	42	294
TRLR CARGO:3/4T, M101A2	W85537	2	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	256	45.2	0	301.2
GEN, DSL, 10 KW, PU-798M	Z44646	3	0	13.5	0	66	0	0	0	0	0	0	0	0	0	6.6	0	0	594.3	79.5	6.6	680.4
TOTAL AMSM			0.0	83.5	0.0	536.0	7.0	28.1	89.5	5.6	0.0	0.0	0.0	0.0	0.0	67.6	0.0	324.0	2626.0	882.2	514.6	4023.0

SHIP 4 (LT DIV TEAM)		QTY	27J (ORG)	29M (ORG)	31V (ORG)	33T (ORG)	52C (ORG)	52D (ORG)	63B (ORG)	63J (ORG)	68H (ORG)	93D (ORG)	96B (ORG)	29E (DS)	29H (DS)	29S (DS)	33T (DS)	35H (DS)	35Y (DS)	39C (DS)	39L (DS)	43M (DS)	44B (DS)
MSE DATA ADAPTER	A09805	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSFER KEY, KYK-13/TSEC	E98103	2	0	0	0.6	0	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0	0	0	0
DIST SYS ELEC:120/208 40A	F55485	2	0	0	0	0	0	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELEC SHOP SHELTER, AN/147	H01912	1	0	0	0	0	0	0	0	0	0	145.6	0	0	0	0	0	0	0	0	0	0	0
POWER SUPPLY: PP2853U	P38588	1	0	0	23.8	0	0	0	0	0	0	5.6	0	49	0	0	0	0	0	0	0	0	0
SECURE VOICE, TSEC/KY-68	S84488	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0	0	0	0
SWITCHBD, SB-38141V8/TT	S82704	1	0	0	23.8	0	0	0	0	0	0	0	0	0	72.8	0	0	0	0	0	0	0	0
TAPE READ KOI-18/TSEC	T40405	1	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0
TRK, SHELTER, 5/4T, M1028	T58414	1	0	0	0	0	0	0	235.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRK CARGO, 5/4TW/E M1008	T58482	2	0	0	0	0	0	0	470.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASSY ELEC UTIL M48	U89185	4	0	0	56.4	0	0	280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TELEPHONE, TA 838/TT	V31282	2	0	42	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0
TRLR CARGO:3/4T, M101A2	W95537	1	0	0	0	0	0	0	128	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0
TRK CARGO M925, 5 TON	X40931	1	0	0	0	0	0	0	354.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GEN, DSL, 10 KW, PU-798M	Z44646	2	0	0	0	0	0	140.2	258	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTACT TEST SET(Z83384-No MARC)	Z83022	2	0	0	0	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AMMH			0.0	42.0	105.1	0.6	0.0	560.2	1443.4	0.0	0.0	151.2	0.0	49.0	114.0	1.7	3.4	0.0	0.0	0.0	0.0	0.6	0.0

		QTY	52C (DS)	52D (DS)	63J (DS)	63W (DS)	68L (DS)	29E (GS)	29N (GS)	29SQ7 (GS)	35H (GS)	35M (GS)	39B (GS)	44B (GS)	52C (GS)	52D (GS)	63J (GS)	63W (GS)	TOTAL QUANTITY (ORG)	TOTAL QUANTITY (DS)	TOTAL QUANTITY (GS)	TOTAL TOTAL
MSE DATA ADAPTER	A09805	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSFER KEY, KYK-13/TSEC	E98103	2	0	0	0	0	0	0	0	0.6	0	0	0	0	0	0	0	0	0.6	0.6	0.6	2
DIST SYS ELEC:120/208 40A	F55485	2	0	70	0	0	0	0	0	0	0	0	0	0	0	61	0	0	140	70	61	271
ELEC SHOP SHELTER, AN/147	H01912	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145.6	0	0	145.6
POWER SUPPLY: PP2853U	P38588	1	0	0	0	0	0	28.1	0	0	0	0	0	0	0	0	0	0	29.5	49	28.1	106.6
SECURE VOICE, TSEC/KY-68	S84488	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0.6
SWITCHBD, SB-38141V8/TT	S82704	1	0	0	0	0	0	0	47.5	0	0	0	0	0	0	0	0	0	23.8	72.8	47.5	144.3
TAPE READ KOI-18/TSEC	T40405	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.3	0	0.6
TRK, SHELTER, 5/4T, M1028	T58414	1	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	54	235.1	71	54	360.1
TRK CARGO, 5/4TW/E M1008	T58482	2	0	0	0	142	0	0	0	0	0	0	0	0	0	0	0	108	470.2	142	108	720.2
ASSY ELEC UTIL M48	U89185	4	0	140	0	0	0	0	0	0	0	0	0	0	0	122	0	0	336.4	140	122	598.4
TELEPHONE, TA 838/TT	V31282	2	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	42	42	14	98
TRLR CARGO:3/4T, M101A2	W95537	1	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	128	22.6	0	150.6
TRK CARGO M925, 5 TON	X40931	1	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	83	354.1	100	83	537.1
GEN, DSL, 10 KW, PU-798M	Z44646	2	0	9	0	44	0	0	0	0	0	0	0	0	0	4.4	0	0	396.2	53	4.4	453.6
CONTACT TEST SET(Z83384-No MARC)	Z83022	2	0	0	0	0	0	0	0	0	0	0	3.2	0	0	0	0	0	0.6	3.4	3.2	7.2
TOTAL AMMH			0.0	219.0	0.0	379.0	0.0	28.1	61.5	0.6	0.0	0.0	3.2	0.0	0.0	187.4	0.0	245.0	2302.5	767.6	526.0	3598.1

Appendix H

Unit Maintenance Data Summary

Unit Maintenance Data Summary

EQUIPMENT ITEM	LIN/ LCN		27J (ORG)	28N (ORG)	31V (ORG)	33T (ORG)	52C (ORG)	52D (ORG)	63B (ORG)	63J (ORG)	66N (ORG)	63D (ORG)	66B (ORG)	28E (DS)	28N (DS)	29S (DS)	33T (DS)	35H (DS)	35Y (DS)	39C (DS)	39L (DS)	43M (DS)	44B (DS)
CCB		1		21.0	89.6	666.6	224.0				28.4	33.6		25.8	21.0	8.8	20.3		6.5				
DPS		1		21.0		53.2	224.0						6.4		21.0	8.4	50.8		6.5				
WCB		1				26.0											52.3		6.5				
TCAC		1				5.2	852.0																
TCAE W/S		1																					
LD TSE		1		126.0	52.3	41.2		350.3	2050.6			5.6		40.0	100.0	5.0	6.7					1.2	
CD TSE		1		126.0	52.3	42.4		725.2	1005.6			5.6		40.0	100.0	5.0	7.5						
LD TCAE		1		42.0	105.1	6.6		560.2	1443.4			151.2		40.8	114.9	1.7	3.4					6.6	
CD TCAE		1		21.0	1.2			1166.3	1736.4			145.6			21.0	2.2							
			52C (DS)	52D (DS)	63J (DS)	63W (DS)	66L (DS)	29E (QS)	28N (QS)	29SG7 (QS)	35H (QS)	35M (QS)	39B (QS)	44B (QS)	52C (QS)	52D (QS)	63J (QS)	63W (QS)	TOTAL QUANTITY (ORG)	(DS)	(QS)	TOTAL TOTAL	
CCB		1	100.2				3.4	9.6	7.0	1.4			4.0		80.3				1063.2	181.0	102.3	1346.5	
DPS		1	100.2						7.0	0.2					80.3				304.6	181.1	87.5	573.1	
WCB		1																	26.0	58.8		84.8	
TCAC		1	364.0												219.6				957.2	364.0	219.6	1540.8	
TCAE W/S		1																					
LD TSE		1		83.6		536.0	7.0	20.1	89.5	5.6						67.6		324.0	2626.0	882.2	514.8	4023.0	
CD TSE		1		105.0		444.0	7.0	20.1	89.5	5.6			6.4			257.4		328.0	2557.1	818.2	715.0	4090.3	
LD TCAE		1		210.0		370.0		20.1	61.5	0.8			3.2			187.4		245.0	2302.5	767.6	526.0	3596.1	
CD TCAE		1		632.0		446.0			7.0	1.2						397.8		332.0	3070.5	1104.0	730.0	4912.5	

Appendix I

Heavy Division Maintenance Data

Heavy Division Maintenance Data

EQUIPMENT	LIN/		27J	29N	31V	33T	52C	52D	63B	63J	66N	93D	96B	29E	29N	29S	33T	35H	35Y	39C	39L	43M	44B
ITEM	LCN		(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)
HV DIV MI BN		QTY																					
CCS																							
DPS																							
WCG																							
TCAC		1				5.2	952.0																
TCAE W/S		6																					
LD TSE																							
CD TSE																							
LD TCAE																							
CD TCAE		1		21.0	1.2			1166.3	1736.4			145.6			21.0	2.2							
	MANHOURS			21.0	1.2	5.2	952.0	1166.3	1736.4			145.6			21.0	2.2							
	MAN YEARS			0.01	0.00	0.00	0.36	0.43	0.64			0.05			0.01	0.00							
	SPACES					1			1														
					With HHC+93D				E-4														
HV DIV HHC		QTY																					
CCS		1		21.0	89.6	566.6	224.0				28.4	33.6		25.8	21.0	0.8	20.3		0.5				
DPS		2		42.0		106.4	448.0						12.7		42.0	0.8	100.0		0.9				
WCG		6				156.0											313.8		38.9				
TCAC																							
TCAE W/S																							
LD TSE																							
CD TSE		1		126.0	52.3	42.4		725.2	1605.6			5.6		49.0	198.9	5.9	7.5						
LD TCAE																							
CD TCAE																							
	MANHOURS			189.0	141.9	971.4	672.0	725.2	1605.6		28.4	39.2	12.7	74.8	261.9	7.5	441.6		40.3				
	MAN YEARS			0.09	0.06	0.39	0.27	0.29	0.64		0.01	0.01	0.00	0.03	0.10	0.00	0.16		0.01				
	SPACES					See MI			1					0.03	0.10	0.00	0.16		0.01				
									E-4					With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI
HV DIV TOTALS	ORG					1			2														
	DS					E-4			E-4														
	GS								E-4														

EQUIPMENT ITEM	LIN/ LCN		62C (DS)	62D (DS)	63J (DS)	63W (DS)	66L (DS)	29E (GS)	29N (GS)	29SG7 (GS)	35H (GS)	35M (GS)	39B (GS)	44B (GS)	62C (GS)	62D (GS)	63J (GS)	63W (GS)	TOTAL QUANTITY (ORG)	(DS)	(GS)	TOTAL TOTAL
HV DIV MI SN		QTY																				
OCS																						
OPS																						
WCG																						
TCAC		1	364.0												219.6				957.2	364.0	219.6	1540.8
TCAE W/S		6																				
LD TSE																						
CD TSE																						
LD TCAE																						
CD TCAE		1		632.8		448.0			7.0	1.2						397.8		332.0	3070.5	1104.0	738.0	4912.5
	MANHOURS		364.0	632.8		448.0			7.0	1.2					219.6	397.8		332.0	4027.7	1468.0	957.6	6453.3
	MAN YEARS		0.13	0.23		0.17			0.00	0.00					0.07	0.13		0.11	1.49	0.54	0.31	2.09
	SPACES																					
HV DIV HHC		QTY																				
OCS		1	109.2				3.4	9.6	7.0	1.4			4.0		80.3				1063.2	181.0	102.3	1346.5
OPS		2	218.4						14.0	0.4					160.6				609.1	362.1	175.0	1146.2
WCG		6																	156.0	352.7		508.7
TCAC																						
TCAE W/S																						
LD TSE																						
CD TSE		1		105.0		444.9	7.0	28.1	89.5	5.8			6.4			257.4		328.0	2557.1	818.2	715.0	4090.3
LD TCAE																						
CD TCAE																						
	MANHOURS		327.6	105.0		444.9	10.4	37.7	110.5	7.4			10.4		240.9	257.4		328.0	4385.5	1714.0	992.3	7091.7
	MAN YEARS		0.12	0.04		0.16	0.00	0.01	0.04	0.00			0.00		0.09	0.09		0.11	1.76	0.63	0.32	2.29
	SPACES		0.26	0.27		0.33	0.00	0.01	0.04	0.00			0.00		0.15	0.21		0.21				
			With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI					
HV DIV TOTALS	ORG																		3			
	DS																					
	GS														0.1	0.2		0.2			0.5	

Appendix J

Light Division Maintenance Data

Light Division Maintenance Data

EQUIPMENT	LIN/		27J	29N	31V	33T	52C	52D	63B	63J	69N	93D	96B	29E	29N	29S	33T	35H	36Y	39C	39L	43M	44B
ITEM	LCN		(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)
LT DIV M BN		QTY																					
CCS		1		21.0	89.6	666.6	224.0				28.4	33.6		25.8	21.0	0.8	20.3		0.5				
DPS																							
WCS																							
TCAC		1				5.2	952.0																
TCAE W/S		6																					
LD TSE																							
CD TSE																							
LD TCAE		1		42.0	105.1	0.6		560.2	1443.4			151.2		49.0	114.9	1.7	3.4					0.6	
CD TCAE																							
	MANHOURS			63.0	194.7	672.4	1176.0	560.2	1443.4		28.4	184.8		74.8	135.9	2.5	23.7		0.5			0.6	
	MAN YEARS			0.02	0.07	0.25	0.44	0.21	0.53		0.01	0.07		0.03	0.05	0.00	0.01		0.00			0.00	
	SPACES				E-3	1			1														
					With HHC+93D				E-5														
LT DIV HHC		QTY																					
CCS		1		21.0	89.6	666.6	224.0				28.4	33.6		25.8	21.0	0.8	20.3		0.5				
DPS		2		42.0		106.4	448.0						12.7		42.0	0.8	100.0		0.9				
WCS		6				156.0											313.8		38.9				
TCAC																							
TCAE W/S																							
LD TSE		1		126.0	52.3	41.2		350.3	2050.6			5.6		49.0	198.9	5.9	0.7					1.2	
CD TSE																							
LD TCAE																							
CD TCAE																							
	MANHOURS			189.0	141.9	970.2	672.0	350.3	2050.6		28.4	39.2	12.7	74.8	261.9	7.5	434.8		40.3			1.2	
	MAN YEARS			0.08	0.06	0.39	0.27	0.14	0.82		0.01	0.01	0.00	0.03	0.10	0.00	0.16		0.01			0.00	
	SPACES					See M			1					0.06	0.15	0.00	0.17		0.02			0.00	
									E-3					With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI
LT DIV TOTALS	ORG					1			2														
	DS					E-3			E-5														
	GS								E-3														

Light Division Maintenance Data

EQUIPMENT	LINE		52C	52D	63J	63W	68L	29E	29N	29SG7	35H	35M	39B	44B	52C	52D	63J	63W	TOTAL QUANTITY			TOTAL
ITEM	LCN		(DS)	(DS)	(DS)	(DS)	(DS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(ORG)	(DS)	(GS)	TOTAL
LT DIV MI BN		QTY																				
OCS		1	109.2				3.4	9.6	7.0	1.4			4.0		80.3				1063.2	181.0	102.3	1346.5
OPS																						
WCG																						
TCAC		1	364.0												219.6				957.2	364.0	219.6	1540.8
TCAE W/S		6																				
LD TSE																						
CD TSE																						
LD TCAE		1		219.0		379.0		28.1	61.5	0.8			3.2			187.4		245.0	2302.5	767.6	526.0	3596.1
CD TCAE																						
	MANHOURS		473.2	219.0		379.0	3.4	37.7	68.5	2.2			7.2		299.9	187.4		245.0	4322.9	1312.6	847.9	6483.4
	MAN YEARS		0.18	0.08		0.14	0.00	0.01	0.02	0.00			0.00		0.10	0.06		0.08	1.60	0.49	0.27	2.09
	SPACES																					
LT DIV HHC		QTY																				
OCS		1	109.2				3.4	9.6	7.0	1.4			4.0		80.3				1063.2	181.0	102.3	1346.5
OPS		2	218.4						14.0	0.4					160.6				609.1	362.1	175.0	1146.2
WCG		6																	156.0	352.7		508.7
TCAC																						
TCAE W/S																						
LD TSE		1		83.5		536.0	7.0	28.1	89.5	5.6						67.6		324.0	2626.0	882.2	514.8	4023.0
CD TSE																						
LD TCAE																						
CD TCAE																						
	MANHOURS		327.6	83.5		536.0	10.4	37.7	110.5	7.4			4.0		240.9	67.6		324.0	4454.4	1778.0	792.1	7024.4
	MAN YEARS		0.12	0.03		0.20	0.00	0.01	0.04	0.00			0.00		0.09	0.02		0.10	1.78	0.66	0.26	2.27
	SPACES		0.30	0.11		0.34	0.01	0.02	0.06	0.00			0.00		0.17	0.06		0.18				
			With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI	With MI					
LT DIV TOTALS	ORG																		3			
	DS																					
	GS								0.1						0.2	0.1		0.2			0.6	

Appendix K

Heavy Corps Maintenance Data

Heavy Corps Maintenance Data

EQUIPMENT	LIN/		27J	29N	31V	33T	52C	52D	63B	63J	66N	93D	96B	29E	29N	29S	33T	35H	35V	39C	39L	43M	44B
ITEM	LCN		(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)
HV CORPS MI BN		QTY																					
CCB		1		21.0	80.6	666.6	224.0				26.4	33.6		25.8	21.0	0.8	20.3		0.5				
OPB		2		42.0		106.4	448.0						12.7		42.0	0.8	100.0		0.9				
WCG		6				156.0											313.8		38.9				
TCAC		1				5.2	952.0																
TCAE W/S		6																					
LD TSE																							
CD TSE		1		126.0	52.3	42.4		725.2	1605.6			5.6		49.0	198.9	5.0	7.5						
LD TCAE																							
CD TCAE		1		21.0	1.2			1166.3	1736.4			145.6			21.0	2.2							
	MANHOURS			210.0	143.1	976.6	1624.0	1891.5	3342.0		26.4	184.8	12.7	74.8	282.9	9.7	441.6		40.3				
	MAN YEARS			0.09	0.06	0.36	0.60	0.70	1.24		0.01	0.07	0.00	0.03	0.10	0.00	0.16		0.01				
	SPACES					1	1	1	1														
						E-3	E-4	E-4	E-3														
CORPS TOTALS	ORG					1	1	1	1														
	DS					E-3	E-4	E-4	E-3														
	GS																						

			52C	52D	63J	63W	66L	29E	29N	29SQ7	35H	35M	39B	44B	52C	52D	63J	63W	TOTAL QUANTITY			TOTAL
			(DS)	(DS)	(DS)	(DS)	(DS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(ORG)	(DS)	(GS)	TOTAL
HV CORPS MI BN		QTY																				
CCB		1	109.2				3.4	9.6	7.0	1.4			4.0		80.3				1063.2	181.0	102.3	1346.49
OPB		2	218.4						14.0	0.4					160.6				609.1	362.1	175.0	1146.2
WCG		6																	156.0	352.7		508.7
TCAC		1	364.0												219.6				957.2	364.0	219.6	1540.8
TCAE W/S		6																				
LD TSE																						
CD TSE		1		105.0		444.9	7.0	28.1	89.5	5.6			6.4			257.4		328.0	2557.1	818.2	715.0	4090.3
LD TCAE																						
CD TCAE		1		632.8		448.0			7.0	1.2						397.8		332.0	3070.5	1104.0	738.0	4912.5
	MANHOURS		891.6	737.8		892.9	10.4	37.7	117.5	8.6			10.4		460.5	655.2		660.0	8413.2	3182.0	1949.9	13545.0
	MAN YEARS		0.26	0.27		0.33	0.00	0.01	0.04	0.00			0.00		0.16	0.21		0.21	3.12	1.18	0.83	4.4
	SPACES																					
CORPS TOTALS	ORG																		4			
	DS																					
	GS														0.1	0.2		0.2			0.5	

Appendix L

Airborne Corps Maintenance Data

EQUIPMENT	LIN/		27J	29N	31V	33T	62C	62D	63B	63J	66N	93D	96B	29E	29N	29S	33T	36H	36Y	39C	39L	43M	44B
ITEM	LCN		(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(ORG)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)	(DS)
ABN CORPS MI BN		QTY																					
CCB		1		21.0	89.6	966.6	224.0				26.4	33.6		25.8	21.0	0.8	20.3		0.5				
DPB		2		42.0		106.4	448.0						12.7		42.0	0.8	100.0		0.9				
WCG		6				156.0											313.8		38.9				
TCAC		1				5.2	952.0																
TCAE W/G		6																					
LD_TSE																							
CD_TSE		1		126.0	52.3	42.4		725.2	1605.6			5.6		49.0	198.9	5.9	7.5						
LD_TCAE																							
CD_TCAE		1		21.0	1.2			1166.3	1736.4			145.6			21.0	2.2							
	MANHOURS			210.0	143.1	976.6	1624.0	1891.5	3342.0		26.4	184.8	12.7	74.8	282.9	9.7	441.6		40.3				
	MAN YEARS			0.00	0.05	0.36	0.60	0.70	1.24		0.01	0.07	0.00	0.03	0.10	0.00	0.16		0.01				
	SPACES					1	1	1	1														
						E-6	E-4	E-6	E-6														
CORPS TOTALS	ORG					1	1	1	1														
	DS					E-6	E-4	E-6	E-6														
	GS																						

			62C	62D	63J	63W	66L	29E	29N	29SG7	35H	36M	39B	44B	62C	62D	63J	63W	TOTAL QUANTITY			TOTAL	
			(DS)	(DS)	(DS)	(DS)	(DS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(GS)	(ORG)	(DS)	(GS)	TOTAL	
ABN CORPS MI BN		QTY																					
CCB		1	109.2				3.4	9.6	7	1.4			4		80.3				1063.22	180.97	102.3	1346.49	
DPB		2	218.4						14	0.4					160.6				609.14	362.1	175	1146.24	
WCG		6																	156	352.68		508.68	
TCAC		1	364												219.6				957.2	364	219.6	1540.8	
TCAE W/G		6																					
LD_TSE																							
CD_TSE		1		105		444.9	7	28.1	89.5	5.6			6.4			257.4		328	2557.1	818.2	715	4090.3	
LD_TCAE																							
CD_TCAE		1		632.8		448			7	1.2						397.8		332	3070.5	1104	738	4912.5	
	MANHOURS		691.6	737.8		892.9	10.4	37.7	117.5	8.6			10.4		460.5	655.2		660	8413.16	3181.95	1949.9	13545.01	
	MAN YEARS		0.26	0.27		0.33	0.00	0.01	0.04	0.00			0.00		0.16	0.21		0.21	3.12	1.18	0.63	4.37	
	SPACES																						
CORPS TOTALS	ORG																		4				
	DS																						
	GS														0.1	0.2		0.2			0.5		

Appendix M

ASAS THS, Promotion, Attrition Factors by MOS and Grade

--- THS, Attrition, Promotion Factors ---
by MOS & Grade

--- THS, Attrition, Promotion Factors --
by MOS & Grade

MOS	GRADE	THS	ATTRITION	PROMOTION
25Q10	E3	0.00000	0.000000	0.00000
	E4	0.00000	0.000000	0.00000
31K	E1	0.04470	0.304650	1.63856
	E2	0.04470	0.262840	1.51237
	E3	0.04470	0.199310	0.70523
	E4	0.04230	0.319000	0.16753
	E5	0.04310	0.149350	0.05341
	E6	0.00000	2.800080	0.00000
	E7	0.00000	0.000000	0.00000
	E8	0.00000	0.000000	0.00000
31V	E1	0.03470	0.293870	1.66360
	E2	0.03470	0.210560	1.44166
	E3	0.03470	0.167830	0.62940
	E4	0.02830	0.319460	0.10778
	E5	0.03960	0.165520	0.04591
	E6	0.00000	1.090880	0.36359
	E7	0.00000	0.759490	0.20255
	E8	0.00000	0.216260	0.10811
33T	E1	0.07200	0.300230	2.00597
	E2	0.07200	0.229200	1.43872
	E3	0.07200	0.133270	0.73748
	E4	0.02560	0.177520	0.19518
	E5	0.02780	0.162870	0.16821
	E6	0.02600	0.085920	0.10191
	E7	0.02870	0.098590	0.03690
	E8	0.00000	4.000000	0.00000
350B	W1	0.04710	0.000000	0.50000
	W2	0.05170	0.063000	0.16380
	W3	0.16460	0.094000	0.13540
	W4	0.09090	0.177000	0.00000
351B	W1	0.03330	0.005000	0.47780
	W2	0.06670	0.106000	0.12000
	W3	0.10670	0.144000	0.06670
	W4	0.13040	0.133000	0.00000
352C	W1	0.07140	0.000000	0.42860
	W2	0.06740	0.063000	0.19660
	W3	0.04550	0.186000	0.01140
	W4	0.06940	0.267000	0.00000
352G	W1	0.11110	0.000000	0.44440
	W2	0.11110	0.061000	0.07780
	W3	0.05000	0.111000	0.05000
	W4	0.08000	0.167000	0.00000

--- THS, Attrition, Promotion Factors --
by MOS & Grade

MOS	GRADE	THS	ATTRITION	PROMOTION
352H	W1	0.08720	0.000000	0.50000
	W2	0.10000	0.067000	0.25000
	W3	0.10000	0.059000	0.00000
	W4	0.00000	0.000000	0.00000
352J	W1	0.12510	0.000000	0.42860
	W2	0.13040	0.109000	0.26040
	W3	0.05600	0.143000	0.05880
	W4	0.00000	0.143000	0.00000
35A	O1	0.17230	0.071690	0.49540
	O2	0.17230	0.071690	0.49540
	O3	0.17490	0.057570	0.15966
	O4	0.12140	0.072670	0.13372
	O5	0.08020	0.108720	0.17181
35B	O1	0.17230	0.071690	0.49540
	O2	0.17230	0.071690	0.49540
	O3	0.17490	0.057570	0.15966
	O4	0.12140	0.072670	0.13372
	O5	0.08020	0.108720	0.17181
35C	O1	0.17230	0.071690	0.49540
	O2	0.17230	0.071690	0.49540
	O3	0.17490	0.057570	0.15966
	O4	0.12140	0.072670	0.13372
	O5	0.08020	0.108720	0.17181
35D	O1	0.17230	0.071690	0.49540
	O2	0.17230	0.071690	0.49540
	O3	0.17490	0.057570	0.15966
	O4	0.12140	0.072670	0.13372
	O5	0.08020	0.108720	0.17181
35E	O1	0.17230	0.071690	0.49540
	O2	0.17230	0.071690	0.49540
	O3	0.17490	0.057570	0.15966
	O4	0.12140	0.072670	0.13372
	O5	0.08020	0.108720	0.17181
35G	O1	0.17230	0.071690	0.49540
	O2	0.17230	0.071690	0.49540
	O3	0.17490	0.057570	0.15966
	O4	0.12140	0.072670	0.13372

--- THS, Attrition, Promotion Factors --
by MOS & Grade

MOS	GRADE	THS	ATTRITION	PROMOTION
52C	E1	0.03140	0.304610	1.53975
	E2	0.03140	0.213800	1.48014
	E3	0.03140	0.189090	0.72155
	E4	0.02880	0.288170	0.14479
	E5	0.02330	0.108950	0.03653
	E6	0.02730	0.073270	0.04731
	E7	0.00000	0.923030	0.00000
	E8	0.00000	0.000000	0.00000
52D	E1	0.03410	0.295310	1.53830
	E2	0.03410	0.224800	1.50047
	E3	0.03410	0.173810	0.73469
	E4	0.02300	0.278410	0.04594
	E5	0.02910	0.142360	0.01187
	E6	0.02640	0.087550	0.01678
	E7	0.00000	0.987690	0.00000
	E8	0.00000	0.000000	0.00000
54A	O1	0.18040	0.061900	0.75050
	O2	0.18040	0.061900	0.75050
	O3	0.18040	0.061900	0.75050
	O4	0.18040	0.051400	0.17250
63B	E1	0.03760	0.392900	1.63794
	E2	0.03760	0.212930	1.47961
	E3	0.03760	0.157150	0.72497
	E4	0.02480	0.241330	0.13730
	E5	0.02180	0.132880	0.10207
	E6	0.02580	0.073270	0.20377
	E7	0.02480	0.112800	0.05546
	E8	0.04250	0.164270	0.01576
63J	E1	0.02810	0.422990	1.60437
	E2	0.02810	0.252300	1.43069
	E3	0.02810	0.194700	0.76066
	E4	0.02380	0.195960	0.02673
	E5	0.02030	0.107090	0.02105
63W	E1	0.02580	0.312280	1.65451
	E2	0.02580	0.177180	1.49234
	E3	.02580	0.142340	0.73464
	E4	0.01700	0.217700	0.09359
	E5	0.02480	0.123400	0.13175
	E6	0.00000	0.727240	0.00000
	E7	0.00000	0.000000	0.00000
	E8	0.00000	0.000000	0.00000
71L10	E3	0.00000	0.000000	0.00000
	E4	0.00000	0.000000	0.00000
71L20	E5	0.00000	0.000000	0.00000

--- THS, Attrition, Promotion Factors --
by MOS & Grade

MOS	GRADE	THS	ATTRITION	PROMOTION
96B	E1	0.12390	0.314490	1.68889
	E2	0.12390	0.161540	1.51925
	E3	0.12390	0.147860	0.80147
	E4	0.02720	0.162040	0.47218
	E5	0.03250	0.162320	0.09476
	E6	0.04350	0.092400	0.07538
	E7	0.05080	0.072830	0.06804
	E8	0.10920	0.197170	0.07755
96D	E1	0.08750	0.450810	1.58197
	E2	0.08750	0.311940	1.20865
	E3	0.08750	0.130720	0.76993
	E4	0.05130	0.244010	0.36839
	E5	0.04340	0.166400	0.19771
	E6	0.05730	0.145210	0.02114
	E7	0.10880	0.124760	0.03845
	E8	0.09380	0.247500	0.06182
96R	E1	0.06230	0.343830	1.82085
	E2	0.06230	0.139210	1.67008
	E3	0.06230	0.114480	0.74699
	E4	0.02670	0.119640	0.10256
	E5	0.02480	0.098410	0.03204
	E6	0.05360	0.063200	0.07576
	E7	0.11360	0.102990	0.17836
	E8	0.12120	0.096500	0.09655
97B	E1	0.05910	0.149840	1.05337
	E2	0.05910	0.149840	1.05337
	E3	0.05910	0.149840	1.05337
	E4	0.05890	0.155070	0.50184
	E5	0.07250	0.198200	0.06556
	E6	0.00000	0.215510	0.01806
	E7	0.00000	0.168520	0.03846
	E8	0.00000	0.362970	0.02047
97G	E1	0.05910	0.262840	0.91431
	E2	0.05910	0.262840	0.91431
	E3	0.05910	0.262840	0.91431
	E4	0.05890	0.305750	0.26113
	E5	0.07250	0.336060	0.05047
	E6	0.00000	0.166370	0.02575
	E7	0.00000	0.114250	0.06350
	E8	0.00000	0.133330	0.00000

--- THS, Attrition, Promotion Factors --
by MOS & Grade

MOS	GRADE	THS	ATTRITION	PROMOTION
98C	E1	0.12120	0.319680	1.85322
	E2	0.12120	0.269100	1.29822
	E3	0.12120	0.166590	0.66356
	E4	0.03740	0.201290	0.33722
	E5	0.05360	0.232300	0.07365
	E6	0.03780	0.106440	0.03250
	E7	0.05850	0.085550	0.05989
	E8	0.00000	0.222200	0.00000
98G	E1	0.22390	0.326890	1.81370
	E2	0.22390	0.402370	1.18155
	E3	0.22390	0.248280	0.69511
	E4	0.04130	0.264820	0.42588
	E5	0.04040	0.281900	0.14572
	E6	0.04660	0.090700	0.07255
	E7	0.04600	0.074500	0.04411
	E8	0.00000	0.816290	0.04082
98H	E1	0.04440	0.134870	1.93262
	E2	0.04440	0.134870	1.93262
	E3	0.04440	0.134870	1.93262
	E4	0.01680	0.381530	0.11476
	E5	0.03010	0.299130	0.04655
	E6	0.02050	0.091060	0.14026
	E7	0.04110	0.090160	0.08013
	E8	0.00000	0.090160	0.08013
98J	E1	0.03680	0.319610	1.72322
	E2	0.03680	0.231170	1.51617
	E3	0.03680	0.093810	0.77803
	E4	0.02390	0.195310	0.23965
	E5	0.04420	0.136610	0.00884
	E6	0.06270	0.111990	0.03144
	E7	0.06150	0.077040	0.03473
	E8	0.00000	0.000000	0.00000
98Z50	E8	0.09380	0.208350	0.05422
	E9	0.09380	0.433970	0.00000

Appendix N

ASAS Block I Baseline

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS --
for Assigned Positions

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS & GRADE --
for Assigned Positions

ALTERNATIVE	ALT ID
ASAS BLOCK 1	21

MOS	GRADE	MPWR QTY	PERSNL QTY	RQD GRADS
25Q10	E3	1.00	1.0000	0.0000
33T	E3	1.00	1.0776	0.9383
	E4	1.00	1.0263	0.3825
	E5	1.00	1.0286	0.3405
350B	W2	1.00	1.0545	0.2392
		2.00	2.1090	0.4783
		3.00	3.1636	0.7175
	W4	1.00	1.1000	0.1947
351B	W2	1.00	1.0715	0.2422
352C	W2	1.00	1.0723	0.2784
	W4	1.00	1.0746	0.2869
352G	W2	1.00	1.1250	0.1561
	W4	1.00	1.0870	0.1815
352H	W2	1.00	1.1111	0.3522
352J	W2	1.00	1.1500	0.4248
	W4	1.00	1.0000	0.1430
35A	O2	1.00	1.2082	0.6851
	O3	1.00	1.2120	0.2633
35B	O3	1.00	1.2120	0.2633
35C	O3	1.00	1.2120	0.2633
	O4	1.00	1.1382	0.2349
35D	O3	1.00	1.2120	0.2633
		2.00	2.4239	0.5266
	O4	1.00	1.1382	0.2349
	O5	1.00	1.0872	0.3050
35E	O3	1.00	1.2120	0.2633
35G	O3	1.00	1.2120	0.2633
	O4	1.00	1.1382	0.2349
52C	E4	1.00	1.0297	0.4458
52D	E4	1.00	1.0235	0.3320
	E5	1.00	1.0300	0.1589

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS & GRADE --
for Assigned Positions

ALTERNATIVE	ALT ID
ASAS BLOCK 1	21

MOS	GRADE	MPWR QTY	PERSNL QTY	RQD GRADS
63B	E3	1.00	1.0391	0.9166
	E4	1.00	1.0254	0.3883
	E5	1.00	1.0223	0.2402
71L10	E4	1.00	1.0000	0.0000
		2.00	2.0000	0.0000
71L20	E5	1.00	1.0000	0.0000
96B10	E3	1.00	1.1414	1.0836
		2.00	2.2828	2.1672
		3.00	3.4243	3.2508
	E4	1.00	1.0280	0.6520
		2.00	2.0559	1.3039
		3.00	3.0839	1.9559
96B20	E4	1.00	1.0280	0.6520
	E5	1.00	1.0336	0.2657
96B30	E6	1.00	1.0455	0.1754
96B40	E7	1.00	1.0535	0.1484
96B50	E8	1.00	1.1226	0.3084
96D10	E3	1.00	1.0959	0.9870
	E4	1.00	1.0541	0.6455
96D20	E5	1.00	1.0454	0.3806
96D30	E6	1.00	1.0608	0.1765
96D40	E7	1.00	1.1221	0.1831
96R40	E7	1.00	1.1282	0.3174
97B20	E5	1.00	1.0782	0.2844
97B30	E6	1.00	1.0000	0.2336
98C10	E3	1.00	1.1379	0.9446
		2.00	2.2758	1.8893
	E4	1.00	1.0389	0.5594
		2.00	2.0777	1.1189
98C1L	E4	2.00	2.0777	1.1189

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS & GRADE --
for Assigned Positions

ALTERNATIVE	ALT ID
ASAS BLOCK 1	21

MOS	GRADE	MPWR QTY	PERSNL QTY	RQD GRADS
98C20	E5	1.00	1.0566	0.3233
		2.00	2.1133	0.6466
	E6	1.00	1.0393	0.1444
98C2L	E5	1.00	1.0566	0.3233
		2.00	2.1133	0.6466
98C30	E6	1.00	1.0393	0.1444
98C3L	E6	1.00	1.0393	0.1444
98C40	E7	1.00	1.0621	0.1545
98C4L	E7	1.00	1.0621	0.1545
98G1L	E4	1.00	1.0431	0.7205
		2.00	2.0862	1.4409
98G2L	E5	1.00	1.0421	0.4456
98G3L	E6	1.00	1.0489	0.1712
98G4L	E7	1.00	1.0482	0.1243
98H20	E5	1.00	1.0310	0.3564
98J10	E3	1.00	1.0382	0.9051
		2.00	2.0764	1.8103
	E4	1.00	1.0245	0.4456
		2.00	2.0490	0.8912
		3.00	3.0735	1.3368
98J20	E5	1.00	1.0462	0.1522
98J30	E6	1.00	1.0669	0.1530
98J40	E7	1.00	1.0655	0.1191
98Z50	E8	1.00	1.1035	0.2897
	E9	1.00	1.1035	0.4789

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
SUMMARY BY FORCE

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
SUMMARY BY FORCE

ALTERNATIVE	ALTERN ID
ASAS BLOCK 1	21

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF				
		ENLISTED	36	37.25	18.5
		Sum	36	37.25	18.5
OFFLINE	MSNSUP				
		OFFICER	35	41.09	9.0
		WARRANT	9	9.95	2.0
		Sum	44	51.04	10.9
	UNDEF				
		ENLISTED	398	421.39	200.2
		OFFICER	60	72.16	19.8
		WARRANT	39	41.20	9.0
		Sum	497	534.76	229.0
OPERATOR	CCS				
		ENLISTED	28	29.36	10.9
		Sum	28	29.36	10.9
	CEI				
		ENLISTED	108	113.20	28.5
		WARRANT	24	26.44	7.6
		Sum	132	139.64	36.1
	SPV/FMR/MRA				
		ENLISTED	7	7.45	0.9
		OFFICER	6	7.20	1.6
		WARRANT	9	9.67	2.6
		Sum	22	24.32	5.0
	TCAC				
		ENLISTED	64	68.47	37.9
		Sum	64	68.47	37.9
	TSE OPER				
		ENLISTED	69	72.36	20.3
		OFFICER	3	3.64	0.8
		WARRANT	38	41.30	9.8
		Sum	110	117.30	30.9

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
ABN CTCAE	ASAS BLOCK 1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	1	1.14	0.2
		WARRANT	1	1.11	0.4
	UNDEF	ENLISTED	20	21.23	10.0
OPERATOR	CEI	ENLISTED	8	8.40	2.0
		WARRANT	4	4.34	1.0
	TCAC	ENLISTED	8	8.46	4.2
		Sum	42	44.69	17.8

ABN CTSE ASAS BLOCK 1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	2	2.30	0.6
	UNDEF	ENLISTED	23	24.64	12.8
		OFFICER	9	10.69	2.3
		WARRANT	7	7.43	1.8
OPERATOR	CCS	ENLISTED	2	2.11	0.6
	SPV/FMR/MRA	OFFICER	1	1.14	0.2
		WARRANT	1	1.07	0.3
	TSE OPER	ENLISTED	6	6.26	1.3
		WARRANT	4	4.22	1.0
		Sum	55	59.86	20.8

ABN MAINT HHS ASAS BLOCK 1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	4	4.11	1.2
		Sum	4	4.11	1.2

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
CTAE CO	ASAS BLOCK 1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	4	4.85	1.1
	UNDEF	ENLISTED	80	83.33	35.0
		WARRANT	8	8.30	1.7
OPERATOR	CEI	ENLISTED	20	20.93	5.7
		WARRANT	4	4.32	0.9
	TCAC	ENLISTED	16	16.86	8.5
		Sum	132	138.59	52.9

CTSE CO ASAS BLOCK 1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	4	4.45	1.1
	UNDEF	ENLISTED	54	57.24	26.1
		OFFICER	26	31.22	6.7
		WARRANT	16	16.73	3.6
OPERATOR	CCS	ENLISTED	4	4.19	1.8
	SPV/FMR/MRA	ENLISTED	2	2.12	0.3
		OFFICER	2	2.42	0.5
	TSE OPER	ENLISTED	12	12.50	3.1
		WARRANT	8	8.44	1.9
		Sum	128	139.33	45.2

HV CPS MAINT HHS ASAS BLOCK 1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	8	8.34	5.3
		Sum	8	8.34	5.3

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
HV DIV HHC	ASAS BLOCK 1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	5	5.13	1.9
OFFLINE	MSNSUP	OFFICER	10	11.75	2.5
	UNDEF	ENLISTED	55	58.83	28.5
		OFFICER	25	30.26	10.8
OPERATOR	CCS	ENLISTED	10	10.48	4.4
	SPV/FMR/MRA	ENLISTED	5	5.33	0.6
		WARRANT	5	5.37	1.4
	TSE OPER	ENLISTED	30	31.55	10.4
		WARRANT	20	22.12	5.5
		Sum	165	180.82	66.1

HV DIV MI BN ASAS BLOCK 1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	10	10.26	3.9
OFFLINE	MSNSUP	OFFICER	5	5.69	1.2
		WARRANT	5	5.62	0.8
	UNDEF	ENLISTED	115	120.89	59.0
		WARRANT	5	5.36	1.4
OPERATOR	CEI	ENLISTED	50	52.58	10.1
		WARRANT	10	11.11	3.5
	TCAC	ENLISTED	40	43.15	25.2
		Sum	240	254.66	105.0

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
LT DIV HHC	ASAS BLOCK 1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	3	3.12	2.7
OFFLINE	MSNSUP	OFFICER	6	7.27	1.6
	UNDEF	ENLISTED	12	13.09	6.5
OPERATOR	CCS	ENLISTED	6	6.29	1.4
	SPV/FMR/MRA	OFFICER	3	3.64	0.8
		WARRANT	3	3.22	0.9
	TSE OPER	ENLISTED	21	22.04	5.6
		OFFICER	3	3.64	0.8
		WARRANT	6	6.52	1.4
		Sum	63	68.83	21.7

LT DIV MI BN ASAS BLOCK 1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	6	6.30	3.5
OFFLINE	MSNSUP	OFFICER	3	3.64	0.8
		WARRANT	3	3.22	0.8
	UNDEF	ENLISTED	39	42.14	22.4
		WARRANT	3	3.37	0.5
OPERATOR	CCS	ENLISTED	6	6.29	2.6
	CEI	ENLISTED	30	31.29	10.7
		WARRANT	6	6.67	2.1
		Sum	96	102.91	43.5

-- ALL MOS(s) SORTED BY POSITIONS, GRADES AND UTOE --
SUMMARIZED BY FORCE

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
25Q10	OFFLINE	E3	2	2.0	0.0	CTSE CO
			2	2.0	0.0	
33T	MAINTAINER	E3	2	2.2	1.9	HV CPS MAINT HHS
			3	3.2	2.8	LT DIV MI BN
			5	5.4	4.7	
		E4	5	5.1	1.9	HV DIV MI BN
			5	5.1	1.9	
		E5	1	1.0	0.3	ABN MAINT HHS
			1	1.0	0.3	
350B	OFFLINE	W2	4	4.2	1.0	ABN CTSE
			8	8.4	1.9	CTSE CO
			12	12.7	2.9	
	OPERATOR	W2	4	4.2	1.0	ABN CTSE
			8	8.4	1.9	CTSE CO
			12	12.7	2.9	
		W4	10	11.0	1.9	HV DIV HHC
			3	3.3	0.6	LT DIV HHC
			13	14.3	2.5	
351B	OFFLINE	W2	1	1.1	0.2	ABN CTSE
			1	1.1	0.2	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
352C	OFFLINE	W2	2	2.1	0.6	ABN CTSE
			5	5.4	1.4	HV DIV MI BN
			3	3.2	0.8	LT DIV MI BN
			10	10.7	2.8	
		W4	4	4.3	1.1	CTAE CO
			4	4.3	1.1	CTSE CO
			8	8.6	2.3	
	OPERATOR	W2	3	3.2	0.8	ABN CTCAE
			1	1.1	0.3	ABN CTSE
			5	5.4	1.4	HV DIV MI BN
			3	3.2	0.8	LT DIV MI BN
			12	12.9	3.3	
		W4	2	2.1	0.6	CTAE CO
			10	10.7	2.9	HV DIV HHC
			6	6.4	1.7	LT DIV HHC
			18	19.3	5.2	
352G	OFFLINE	W2	5	5.6	0.8	HV DIV MI BN
			3	3.4	0.5	LT DIV MI BN
			8	9.0	1.2	
	OPERATOR	W2	1	1.1	0.2	ABN CTCAE
			1	1.1	0.2	
		W4	2	2.2	0.4	CTAE CO
			2	2.2	0.4	
352H	OFFLINE	W2	1	1.1	0.4	ABN CTCAE
			1	1.1	0.4	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
352J	OFFLINE	W4	4	4.0	0.6	CTAE CO
			4	4.0	0.6	CTSE CO
			8	8.0	1.1	
	OPERATOR	W2	5	5.7	2.1	HV DIV HHC
			5	5.7	2.1	HV DIV MI BN
			3	3.4	1.3	LT DIV MI BN
			13	14.9	5.5	
35A	OFFLINE	O2	10	12.1	6.9	HV DIV HHC
			10	12.1	6.9	
		O3	3	3.6	0.8	LT DIV HHC
			3	3.6	0.8	
35B	OFFLINE	O3	2	2.4	0.5	CTSE CO
			2	2.4	0.5	
35C	OFFLINE	O3	1	1.2	0.3	ABN CTSE
			4	4.8	1.1	CTSE CO
			5	6.1	1.3	HV DIV HHC
			10	12.1	2.6	
	OPERATOR	O3	3	3.6	0.8	LT DIV HHC
			3	3.6	0.8	
		O4	1	1.1	0.2	ABN CTSE
			1	1.1	0.2	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	ROD GRADS	UTOE ID
35D	OFFLINE	O3	5	6.1	1.3	ABN CTSE
			4	4.8	1.1	CTAE CO
			6	7.3	1.6	CTSE CO
			5	6.1	1.3	HV DIV HHC
			3	3.6	0.8	LT DIV HHC
			23	27.9	6.1	
		O4	3	3.4	0.7	ABN CTSE
			4	4.6	0.9	CTSE CO
			5	5.7	1.2	HV DIV HHC
			12	13.7	2.8	
		O5	1	1.1	0.3	ABN CTSE
			2	2.2	0.6	CTSE CO
			3	3.3	0.9	
35E	OFFLINE	O3	2	2.4	0.5	CTSE CO
			2	2.4	0.5	
35G	OFFLINE	O3	1	1.2	0.3	ABN CTSE
			8	9.7	2.1	CTSE CO
			10	12.1	2.6	HV DIV HHC
			3	3.6	0.8	LT DIV MI BN
			22	26.7	5.8	
		O4	1	1.1	0.2	ABN CTCAE
			2	2.3	0.5	CTSE CO
			5	5.7	1.2	HV DIV MI BN
			8	9.1	1.9	
	OPERATOR	O3	2	2.4	0.5	CTSE CO
			3	3.6	0.8	LT DIV HHC
			5	6.1	1.3	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
52C	MAINTAINER	E4	1	1.0	0.4	ABN MAINT HHS
			2	2.1	0.9	HV CPS MAINT HHS
			3	3.1	1.3	
52D	MAINTAINER	E4	2	2.0	0.7	HV CPS MAINT HHS
			2	2.0	0.7	
		E5	1	1.0	0.2	ABN MAINT HHS
			1	1.0	0.2	
63B	MAINTAINER	E3	2	2.1	1.8	HV CPS MAINT HHS
			3	3.1	2.7	LT DIV HHC
			5	5.2	4.6	
		E4	5	5.1	1.9	HV DIV HHC
			5	5.1	1.9	HV DIV MI BN
			10	10.3	3.9	
		E5	1	1.0	0.2	ABN MAINT HHS
			3	3.1	0.7	LT DIV MI BN
			4	4.1	1.0	
71L10	OFFLINE	E4	2	2.0	0.0	ABN CTCAE
			2	2.0	0.0	ABN CTSE
			8	8.0	0.0	CTAE CO
			6	6.0	0.0	CTSE CO
			10	10.0	0.0	HV DIV HHC
			15	15.0	0.0	HV DIV MI BN
			3	3.0	0.0	LT DIV MI BN
			46	46.0	0.0	
71L20	OFFLINE	E5	2	2.0	0.0	CTSE CO
			2	2.0	0.0	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
96B10	OFFLINE	E3	4	4.6	4.3	ABN CTSE
			12	13.7	13.0	CTSE CO
			15	17.1	16.3	HV DIV HHC
			5	5.7	5.4	HV DIV MI BN
			3	3.4	3.3	LT DIV HHC
			39	44.5	42.3	
		E4	3	3.1	2.0	ABN CTSE
			4	4.1	2.6	CTAE CO
			10	10.3	6.5	CTSE CO
			10	10.3	6.5	HV DIV HHC
			5	5.1	3.3	HV DIV MI BN
			3	3.1	2.0	LT DIV HHC
			35	36.0	22.8	
	OPERATOR	E4	5	5.1	3.3	HV DIV HHC
			3	3.1	2.0	LT DIV HHC
			3	3.1	2.0	LT DIV MI BN
			11	11.3	7.2	
96B20	OFFLINE	E5	4	4.1	1.1	CTAE CO
			5	5.2	1.3	HV DIV MI BN
			9	9.3	2.4	
	OPERATOR	E4	5	5.1	3.3	HV DIV HHC
			5	5.1	3.3	
		E5	3	3.1	0.8	ABN CTSE
			6	6.2	1.6	CTSE CO
			5	5.2	1.3	HV DIV HHC
			6	6.2	1.6	LT DIV HHC
			3	3.1	0.8	LT DIV MI BN
			23	23.8	6.1	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
96B30	OFFLINE	E6	2	2.1	0.4	CTSE CO
			2	2.1	0.4	
	OPERATOR	E6	1	1.0	0.2	ABN CTSE
			2	2.1	0.4	CTSE CO
			5	5.2	0.9	HV DIV HHC
			6	6.3	1.1	LT DIV HHC
			14	14.6	2.5	
96B40	OFFLINE	E7	5	5.3	0.7	HV DIV HHC
			5	5.3	0.7	
	OPERATOR	E7	1	1.1	0.1	ABN CTSE
			5	5.3	0.7	HV DIV HHC
			5	5.3	0.7	HV DIV MI BN
			11	11.6	1.6	
96B50	OFFLINE	E8	2	2.2	0.6	ABN CTSE
			2	2.2	0.6	CTSE CO
			4	4.5	1.2	
96D10	OFFLINE	E3	1	1.1	1.0	ABN CTSE
			2	2.2	2.0	CTAE CO
			3	3.3	3.0	
		E4	4	4.2	2.6	CTAE CO
			4	4.2	2.6	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
96D20	OFFLINE	E5	2	2.1	0.8	ABN CTSE
			2	2.1	0.8	CTAE CO
			4	4.2	1.5	
	OPERATOR	E5	2	2.1	0.8	CTSE CO
			2	2.1	0.8	
96D30	OPERATOR	E6	1	1.1	0.2	ABN CTSE
			2	2.1	0.4	CTSE CO
			3	3.2	0.5	
96D40	OPERATOR	E7	5	5.6	0.9	HV DIV HHC
			3	3.4	0.5	LT DIV HHC
			8	9.0	1.5	
96R40	OFFLINE	E7	5	5.6	1.6	HV DIV HHC
			3	3.4	1.0	LT DIV HHC
			8	9.0	2.5	
97B20	OFFLINE	E5	1	1.1	0.3	ABN CTSE
			1	1.1	0.3	
97B30	OFFLINE	E6	1	1.0	0.2	ABN CTSE
			1	1.0	0.2	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98C10	OFFLINE	E3	4	4.6	3.8	ABN CTCAE
			1	1.1	0.9	ABN CTSE
			2	2.3	1.9	CTAE CO
			15	17.1	14.2	HV DIV MI BN
			15	17.1	14.2	LT DIV MI BN
			37	42.1	35.0	
		E4	3	3.1	1.7	ABN CTCAE
			3	3.1	1.7	ABN CTSE
			12	12.5	6.7	CTAE CO
			2	2.1	1.1	CTSE CO
			5	5.2	2.8	HV DIV HHC
			15	15.6	8.4	HV DIV MI BN
			3	3.1	1.7	LT DIV MI BN
			43	44.7	24.1	
	OPERATOR	E3	1	1.1	0.9	ABN CTCAE
			2	2.3	1.9	CTAE CO
			15	17.1	14.2	HV DIV MI BN
			18	20.5	17.0	
		E4	4	4.2	2.2	ABN CTCAE
			4	4.2	2.2	CTAE CO
			2	2.1	1.1	CTSE CO
			5	5.2	2.8	HV DIV HHC
			10	10.4	5.6	HV DIV MI BN
			9	9.3	5.0	LT DIV MI BN
			34	35.3	19.0	
98C1L	OPERATOR	E4	8	8.3	4.5	CTAE CO
			8	8.3	4.5	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98C20	OFFLINE	E5	1	1.1	0.3	ABN CTCAE
			1	1.1	0.3	ABN CTSE
			2	2.1	0.6	
		E6	2	2.1	0.3	CTAE CO
			2	2.1	0.3	
	OPERATOR	E5	8	8.5	2.6	ABN CTCAE
			2	2.1	0.6	ABN CTSE
			5	5.3	1.6	HV DIV HHC
			25	26.4	8.1	HV DIV MI BN
			3	3.2	1.0	LT DIV HHC
			3	3.2	1.0	LT DIV MI BN
			46	48.6	14.9	
98C2L	OFFLINE	E5	4	4.2	1.3	CTAE CO
			2	2.1	0.6	CTSE CO
			6	6.3	1.9	
	OPERATOR	E5	10	10.6	3.2	CTAE CO
			2	2.1	0.6	CTSE CO
			6	6.3	1.9	LT DIV MI BN
			18	19.0	5.8	
98C30	OFFLINE	E6	3	3.1	0.4	LT DIV MI BN
			3	3.1	0.4	
	OPERATOR	E6	1	1.0	0.1	ABN CTCAE
			5	5.2	0.7	HV DIV MI BN
			6	6.2	0.9	LT DIV HHC
			12	12.5	1.7	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98C3L	OFFLINE	E6	2	2.1	0.3	CTAE CO
			2	2.1	0.3	CTSE CO
			4	4.2	0.6	
	OPERATOR	E6	2	2.1	0.3	ABN CTCAE
			4	4.2	0.6	CTAE CO
			10	10.4	1.4	HV DIV MI BN
			3	3.1	0.4	LT DIV MI BN
			19	19.7	2.7	
98C40	OFFLINE	E7	1	1.1	0.2	ABN CTCAE
			1	1.1	0.2	ABN CTSE
			2	2.1	0.3	CTAE CO
			4	4.2	0.6	
	OPERATOR	E7	2	2.1	0.3	CTSE CO
			5	5.3	0.8	HV DIV MI BN
			7	7.4	1.1	
98C4L	OFFLINE	E7	2	2.1	0.3	CTAE CO
			2	2.1	0.3	
98G1L	OFFLINE	E4	3	3.1	2.2	ABN CTCAE
			5	5.2	3.6	HV DIV MI BN
			3	3.1	2.2	LT DIV MI BN
			11	11.5	7.9	
98G2L	OFFLINE	E5	2	2.1	0.9	ABN CTCAE
			10	10.4	4.5	HV DIV MI BN
			6	6.3	2.7	LT DIV MI BN
			18	18.8	8.0	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98G3L	OFFLINE	E6	2	2.1	0.3	ABN CTCAE
			2	2.1	0.3	
98G4L	OFFLINE	E7	3	3.1	0.4	LT DIV MI BN
			3	3.1	0.4	
98H20	OFFLINE	E5	1	1.0	0.4	ABN CTCAE
			5	5.2	1.8	HV DIV MI BN
			6	6.2	2.1	
98J10	OFFLINE	E3	8	8.3	7.2	CTAE CO
			5	5.2	4.5	HV DIV MI BN
			13	13.5	11.8	
		E4	14	14.3	6.2	CTAE CO
			4	4.1	1.8	CTSE CO
			20	20.5	8.9	HV DIV MI BN
			38	38.9	16.9	
	OPERATOR	E4	2	2.0	0.9	CTAE CO
			5	5.1	2.2	HV DIV MI BN
			3	3.1	1.3	LT DIV MI BN
			10	10.2	4.5	
98J20	OFFLINE	E5	2	2.1	0.3	CTAE CO
			2	2.1	0.3	CTSE CO
			5	5.2	0.8	HV DIV MI BN
			9	9.4	1.4	
	OPERATOR	E5	6	6.3	0.9	CTAE CO
			5	5.2	0.8	HV DIV MI BN
			3	3.1	0.5	LT DIV MI BN
			14	14.6	2.1	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
ASAS BLOCK 1	21

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98J30	OFFLINE	E6	2	2.1	0.3	CTAE CO
			2	2.1	0.3	CTSE CO
			4	4.3	0.6	
	OPERATOR	E6	5	5.3	0.8	HV DIV MI BN
			3	3.2	0.5	LT DIV MI BN
			8	8.5	1.2	
98J40	OFFLINE	E7	2	2.1	0.2	CTAE CO
			2	2.1	0.2	CTSE CO
			5	5.3	0.6	HV DIV HHC
			3	3.2	0.4	LT DIV HHC
			12	12.8	1.4	
	OPERATOR	E7	5	5.3	0.6	HV DIV HHC
			5	5.3	0.6	
98Z50	OFFLINE	E8	1	1.1	0.3	ABN CTCAE
			2	2.2	0.6	CTAE CO
			3	3.3	0.9	LT DIV MI BN
			6	6.6	1.7	
		E9	1	1.1	0.5	ABN CTSE
			2	2.2	1.0	CTSE CO
			5	5.5	2.4	HV DIV MI BN
			8	8.8	3.8	

-- TRAINING ALTERNATIVES --

-- TRAINING ALTERNATIVES --

ALTERNATIVE ASAS BLOCK 1

Base Course Number 1023310

Scenario Description	33T(CURR+NSG)	33T(CURR,OCS3)	33T(CURR+OP,OCS3)
Scenario Number	90	91	92
Predecessor Grads	0.00	0.00	0.00
Current Grads	141	141	141
New System Grads	6.90	6.90	6.90
Attrition Rate	.21	.21	.21
Course Length In Hours	1413	1413	1653
Instructor Contact Hours	2705	2705	2945
Normalized Grads	122	123	123
Optimum Class Size	8	3	3
Cost Per Grad	$91,946	$104,376	$111,454
System Specific Cost	$634,424	$720,196	$769,032
Total Course Cost	$13,598,745	$15,437,249	$16,484,030
System Instructors	2.73	7.17	7.79
Total Instructors	51.27	122.31	131.82

-- TRAINING ALTERNATIVES --

ALTERNATIVE ASAS BLOCK 1

Base Course Number 243-96B10

Scenario Description	CCSEN(AUG 89)	CCSEN(CURR,OCS7)	CCSEN(CURR+OP,OCS7)
Scenario Number	54	55	56
Predecessor Grads	10.80	10.80	10.80
Current Grads	527	527	527
New System Grads	10.80	10.80	10.80
Attrition Rate	.22	.22	.22
Course Length In Hours	530	530	760
Instructor Contact Hours	1241	1241	1886
Normalized Grads	643	643	643
Optimum Class Size	36	7	7
Cost Per Grad	$15,459	$23,255	$32,145
System Specific Cost	$166,953	$251,159	$347,161
Total Course Cost	$8,146,676	$12,255,616	$16,940,182
System Instructors	0.44	2.27	3.44
Total Instructors	20.37	90.43	130.71

-- TRAINING ALTERNATIVES --

ALTERNATIVE ASAS BLOCK 1

Base Course Number 243-96B10

Scenario Description	WCGEN(AUG 89)	WCGEN(CURR, OCS12)	WCGEN(CURR+OP,OCS12)
Scenario Number	66	67	68
Predecessor Grads	20.40	20.40	20.40
Current Grads	527	527	527
New System Grads	20.40	20.40	20.40
Attrition Rate	.22	.22	.22
Course Length In Hours	530	530	895
Instructor Contact Hours	1241	1241	2496
Normalized Grads	643	643	643
Optimum Class Size	36	12	12
Cost Per Grad	$15,459	$19,223	$31,056
System Specific Cost	$315,355	$392,141	$633,537
Total Course Cost	$8,146,676	$10,130,302	$16,366,368
System Instructors	0.84	2.50	4.99
Total Instructors	20.37	56.03	104.10

-- TRAINING ALTERNATIVES --

ALTERNATIVE ASAS BLOCK 1

Base Course Number 243-96B10

Scenario Description	CEIEN(DRAFT)	CEIEN(CURR,OCS12)	CEIEN(CURR+OP,OCS12)
Scenario Number	84	85	86
Predecessor Grads	66.40	66.40	66.40
Current Grads	527	527	527
New System Grads	66.40	66.40	66.40
Attrition Rate	.22	.22	.22
Course Length In Hours	530	530	730
Instructor Contact Hours	1241	1241	1994.15
Normalized Grads	643	643	643
Optimum Class Size	36	12	12
Cost Per Grad	$15,459	$19,223	$26,004
System Specific Cost	$1,026,450	$1,276,380	$1,726,692
Total Course Cost	$8,146,676	$10,130,302	$13,704,317
System Instructors	2.71	7.99	12.66
Total Instructors	20.37	56.03	85.42

-- TRAINING ALTERNATIVES --

ALTERNATIVE ASAS BLOCK 1

Base Course Number 243-96B20

Scenario Description	SPVEN(DRAFT)	SPVEN(CURR,OCS12)	SPVEN(CURR+OP,OCS12)
Scenario Number	75	76	77
Predecessor Grads	0.90	0.90	0.90
Current Grads	190	190	190
New System Grads	0.90	0.90	0.90
Attrition Rate	.01	.01	.01
Course Length In Hours	248	248	457
Instructor Contact Hours	324	324	736
Normalized Grads	210	210	210
Optimum Class Size	20	12	12
Cost Per Grad	$8,788	$9,423	$16,347
System Specific Cost	$7,909	$8,481	$14,712
Total Course Cost	$1,669,717	$1,790,446	$3,105,966
System Instructors	0.01	0.02	0.05
Total Instructors	2.87	4.75	10.60

-- TRAINING ALTERNATIVES --

ALTERNATIVE	ASAS BLOCK 1		
Base Course Number	3-30-C20-35A		
Scenario Description	WCGOF(DRAFT)	WCGOF(CURR,OCS12)	WCGOF(CURR+OP,OCS12)
Scenario Number	72	73	74
Predecessor Grads	0.80	0.80	0.80
Current Grads	327	327	327
New System Grads	0.80	0.80	0.80
Attrition Rate	.01	.01	.01
Course Length In Hours	950	950	1315
Instructor Contact Hours	2613.5	2613.5	3868.5
Normalized Grads	454	454	454
Optimum Class Size	35	12	12
Cost Per Grad	$60,353	$65,161	$86,483
System Specific Cost	$48,282	$52,128	$69,186
Total Course Cost	$19,735,297	$21,307,503	$28,279,902
System Instructors	0.06	0.16	0.24
Total Instructors	21.51	57.51	81.51

-- TRAINING ALTERNATIVES --

ALTERNATIVE ASAS BLOCK 1

Base Course Number 3-30-C22

Scenario Description	SPVOF(OCT 89)	SPVOF(CURR,OCS12)	SPVOF(CURR+OP,OCS12)
Scenario Number	81	82	83
Predecessor Grads	10.60	10.60	10.60
Current Grads	644	644	644
New System Grads	10.60	10.60	10.60
Attrition Rate	.02	.02	.02
Course Length In Hours	412	412	621
Instructor Contact Hours	1210.1	1210.1	1622.1
Normalized Grads	445	445	445
Optimum Class Size	60	12	12
Cost Per Grad	$20,091	$24,000	$33,096
System Specific Cost	$212,965	$254,405	$350,815
Total Course Cost	$12,938,629	$15,456,280	$21,313,650
System Instructors	0.20	1.01	1.36
Total Instructors	11.89	53.43	69.42

-- TRAINING ALTERNATIVES --

ALTERNATIVE ASAS BLOCK 1

Base Course Number 3-30-C32

Scenario Description	SPVWO(OCT 89)	SPVWO(CURR,OCS12)	SPVWO(CURR+OP,OCS12)
Scenario Number	78	79	80
Predecessor Grads	4.60	4.60	4.60
Current Grads	69	69	69
New System Grads	4.60	4.60	4.60
Attrition Rate	.01	.01	.01
Course Length In Hours	197	197	406
Instructor Contact Hours	363.5	363.5	775.5
Normalized Grads	65	65	65
Optimum Class Size	36	12	12
Cost Per Grad	$8,841	$9,675	$17,620
System Specific Cost	$40,668	$44,505	$81,050
Total Course Cost	$610,015	$667,573	$1,215,754
System Instructors	0.04	0.13	0.28
Total Instructors	0.65	1.96	4.14

-- TRAINING ALTERNATIVES --

ALTERNATIVE ASAS BLOCK 1

Base Course Number 3A-964A

Scenario Description	WCGWO(OCT 89)	WCGWO(CURR,OCS12)	WCGWO(CURR+OP,OCS12)
Scenario Number	69	70	71
Predecessor Grads	9.80	9.80	9.80
Current Grads	13	13	13
New System Grads	9.80	9.80	9.80
Attrition Rate	.33	.33	.33
Course Length In Hours	240	240	605
Instructor Contact Hours	1025.5	1025.5	2280.5
Normalized Grads	17	17	17
Optimum Class Size	36	12	12
Cost Per Grad	$11,542	$14,397	$28,194
System Specific Cost	$113,114	$141,092	$276,299
Total Course Cost	$150,050	$187,163	$366,518
System Instructors	0.39	1.16	2.57
Total Instructors	0.51	1.54	3.40

-- TRAINING ALTERNATIVES --

ALTERNATIVE ASAS BLOCK 1

Base Course Number 3A-964A

Scenario Description	CEIWO(DRAFT)	CEIWO(CURR,OCS12)	CEIWO(CURR+OP,OCS12)
Scenario Number	87	88	89
Predecessor Grads	7.50	7.50	7.50
Current Grads	13	13	13
New System Grads	7.50	7.50	7.50
Attrition Rate	.33	.33	.33
Course Length In Hours	240	240	440
Instructor Contact Hours	1025.5	1025.5	1778.65
Normalized Grads	17	17	17
Optimum Class Size	36	12	12
Cost Per Grad	$11,542	$14,397	$22,230
System Specific Cost	$86,567	$107,978	$166,727
Total Course Cost	$150,050	$187,163	$288,994
System Instructors	0.30	0.89	1.54
Total Instructors	0.51	1.54	2.66

-- TRAINING ALTERNATIVES --

ALTERNATIVE ASAS BLOCK 1

Base Course Number 610-63B10

Scenario Description	63B (CURR)	63B (CURR+ASAS MECH)
Scenario Number	105	106
Predecessor Grads	0.00	0.00
Current Grads	3252	3260
New System Grads	0.00	9.50
Attrition Rate	.07	.07
Course Length In Hours	442	442
Instructor Contact Hours	1959.9	1959.9
Normalized Grads	3252	3252
Optimum Class Size	50	50
Cost Per Grad	$10,503	$10,503
System Specific Cost	$0	$99,778
Total Course Cost	$34,155,631	$34,339,433
System Instructors	0.00	0.37
Total Instructors	101.83	102.32

-- TRAINING ALTERNATIVES --

ALTERNATIVE	**ASAS BLOCK 1**	
Base Course Number	**662-52C10**	
Scenario Description	**52C (CURR)**	**52C (CURR+ASAS MECH)**
Scenario Number	107	108
Predecessor Grads	0.00	0.00
Current Grads	315	321
New System Grads	0.00	1.30
Attrition Rate	.04	.04
Course Length In Hours	659	659
Instructor Contact Hours	2954	2954
Normalized Grads	315	315
Optimum Class Size	21	21
Cost Per Grad	$20,033	$20,033
System Specific Cost	$0	$26,043
Total Course Cost	$6,310,427	$6,456,669
System Instructors	0.00	0.18
Total Instructors	38.49	39.31

-- TRAINING ALTERNATIVES --

ALTERNATIVE	ASAS BLOCK 1	
Base Course Number	662-52D10	
Scenario Description	52D (CURR)	52D (CURR+ASAS MECH)
Scenario Number	109	110
Predecessor Grads	0.00	0.00
Current Grads	1635	1635
New System Grads	0.00	0.90
Attrition Rate	.03	.03
Course Length In Hours	412	412
Instructor Contact Hours	1762	1762
Normalized Grads	643	643
Optimum Class Size	32	32
Cost Per Grad	$11,855	$11,855
System Specific Cost	$0	$10,670
Total Course Cost	$19,383,266	$19,393,936
System Instructors	0.00	0.05
Total Instructors	72.17	72.21

-- TRAINING DELTAS --

-- TRAINING DELTAS --

ALTERNATIVE ASAS BLOCK 1

BASE COURSE NUMBER 1023310

MINUEND	92	91	92
SUBTRAHEND	90	90	91
SCENARIO A	92	91	92
SCENARIO B	90	90	91
SCEN A DESC	33T(CURR+OP,OCS3)	33T(CURR,OCS3)	33T(CURR+OP,OCS3)
SCEN B DESC	33T(CURR+NSG)	33T(CURR+NSG)	33T(CURR,OCS3)
ATTRITION	0	0	0
COURSE LENGTH	240	0	240
OPTIMUM CLASS SIZE	-5	-5	0
INSTR CONTACT HOURS	240	0	240
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	1	1	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$19,508	$12,431	$7,078
SYSTEM SPECIFIC COST	$134,608	$85,772	$48,836
TOTAL COURSE COST	$2,885,285	$1,838,504	$1,046,781
SYSTEM INSTRUCTORS	5.06	4.44	0.62
TOTAL INSTRUCTORS	80.55	71.04	9.51

-- TRAINING DELTAS --

ALTERNATIVE	ASAS BLOCK 1		
BASE COURSE NUMBER	243-96B10		
MINUEND	56	55	56
SUBTRAHEND	54	54	55
SCENARIO A	56	55	56
SCENARIO B	54	54	55
SCEN A DESC	CCSEN(CURR+OP,OCS7)	CCSEN(CURR,OCS7)	CCSEN(CURR+OP,OCS7)
SCEN B DESC	CCSEN(AUG 89)	CCSEN(AUG 89)	CCSEN(CURR,OCS7)
ATTRITION	0	0	0
COURSE LENGTH	230	0	230
OPTIMUM CLASS SIZE	-29	-29	0
INSTR CONTACT HOURS	645	0	645
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$16,686	$7,797	$8,889
SYSTEM SPECIFIC COST	$180,208	$84,206	$96,002
TOTAL COURSE COST	$8,793,506	$4,108,940	$4,684,566
SYSTEM INSTRUCTORS	3.00	1.83	1.17
TOTAL INSTRUCTORS	110.34	70.06	40.28

-- TRAINING DELTAS --

ALTERNATIVE ASAS BLOCK 1

BASE COURSE NUMBER 243-96B10

MINUEND	67	68	68
SUBTRAHEND	66	66	67
SCENARIO A	67	68	68
SCENARIO B	66	66	67
SCEN A DESC	WCGEN(CURR, OCS12)	WCGEN(CURR+OP,OCS12)	WCGEN(CURR+OP,OCS12)
SCEN B DESC	WCGEN(AUG 89)	WCGEN(AUG 89)	WCGEN(CURR, OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	365	365
OPTIMUM CLASS SIZE	-24	-24	0
INSTR CONTACT HOURS	0	1255	1255
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$3,764	$15,597	$11,833
SYSTEM SPECIFIC COST	$76,786	$318,182	$241,396
TOTAL COURSE COST	$1,983,626	$8,219,692	$6,236,066
SYSTEM INSTRUCTORS	1.66	4.15	2.49
TOTAL INSTRUCTORS	35.66	83.73	48.07

-- TRAINING DELTAS --

ALTERNATIVE	ASAS BLOCK 1		
BASE COURSE NUMBER	243-96B10		
MINUEND	85	86	86
SUBTRAHEND	84	84	85
SCENARIO A	85	86	86
SCENARIO B	84	84	85
SCEN A DESC	CEIEN(CURR,OCS12)	CEIEN(CURR+OP,OCS12)	CEIEN(CURR+OP,OCS12)
SCEN B DESC	CEIEN(DRAFT)	CEIEN(DRAFT)	CEIEN(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	200	200
OPTIMUM CLASS SIZE	-24	-24	0
INSTR CONTACT HOURS	0	753.2	753.2
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$3,764	$10,546	$6,782
SYSTEM SPECIFIC COST	$249,929	$700,242	$450,312
TOTAL COURSE COST	$1,983,626	$5,557,641	$3,574,015
SYSTEM INSTRUCTORS	5.28	9.95	4.67
TOTAL INSTRUCTORS	35.66	65.05	29.39

-- TRAINING DELTAS --

ALTERNATIVE ASAS BLOCK 1

BASE COURSE NUMBER 243-96B20

MINUEND	76	77	77
SUBTRAHEND	75	75	76
SCENARIO A	76	77	77
SCENARIO B	75	75	76
SCEN A DESC	SPVEN(CURR,OCS12)	SPVEN(CURR+OP,OCS12)	SPVEN(CURR+OP,OCS12)
SCEN B DESC	SPVEN(DRAFT)	SPVEN(DRAFT)	SPVEN(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	209	209
OPTIMUM CLASS SIZE	-8	-8	0
INSTR CONTACT HOURS	0	412	412
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$635	$7,559	$6,924
SYSTEM SPECIFIC COST	$572	$6,803	$6,231
TOTAL COURSE COST	$120,729	$1,436,249	$1,315,520
SYSTEM INSTRUCTORS	0.01	0.04	0.03
TOTAL INSTRUCTORS	1.88	7.73	5.85

-- TRAINING DELTAS --

ALTERNATIVE ASAS BLOCK 1

BASE COURSE NUMBER 3-30-C20-35A

MINUEND	73	74	74
SUBTRAHEND	72	72	73
SCENARIO A	73	74	74
SCENARIO B	72	72	73
SCEN A DESC	WCGOF(CURR,OCS12)	WCGOF(CURR+OP,OCS12)	WCGOF(CURR+OP,OCS12)
SCEN B DESC	WCGOF(DRAFT)	WCGOF(DRAFT)	WCGOF(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	365	365
OPTIMUM CLASS SIZE	-23	-23	0
INSTR CONTACT HOURS	0	1255	1255
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$4,808	$26,130	$21,322
SYSTEM SPECIFIC COST	$3,846	$20,904	$17,058
TOTAL COURSE COST	$1,572,206	$8,544,606	$6,972,399
SYSTEM INSTRUCTORS	0.10	0.18	0.08
TOTAL INSTRUCTORS	36.00	60.00	24.00

-- TRAINING DELTAS --

ALTERNATIVE ASAS BLOCK 1

BASE COURSE NUMBER 3-30-C22

MINUEND	82	83	83
SUBTRAHEND	81	81	82
SCENARIO A	82	83	83
SCENARIO B	81	81	82
SCEN A DESC	SPVOF(CURR,OCS12)	SPVOF(CURR+OP,OCS12)	SPVOF(CURR+OP,OCS12)
SCEN B DESC	SPVOF(OCT 89)	SPVOF(OCT 89)	SPVOF(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	209	209
OPTIMUM CLASS SIZE	-48	-48	0
INSTR CONTACT HOURS	0	412	412
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$3,909	$13,005	$9,095
SYSTEM SPECIFIC COST	$41,440	$137,850	$96,410
TOTAL COURSE COST	$2,517,651	$8,375,021	$5,857,371
SYSTEM INSTRUCTORS	0.81	1.16	0.35
TOTAL INSTRUCTORS	41.54	57.53	15.99

-- TRAINING DELTAS --

ALTERNATIVE ASAS BLOCK 1

BASE COURSE NUMBER 3-30-C32

MINUEND	79	80	80
SUBTRAHEND	78	78	79
SCENARIO A	79	80	80
SCENARIO B	78	78	79
SCEN A DESC	SPVWO(CURR,OCS12)	SPVWO(CURR+OP,OCS12)	SPVWO(CURR+OP,OCS12)
SCEN B DESC	SPVWO(OCT 89)	SPVWO(OCT 89)	SPVWO(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	209	209
OPTIMUM CLASS SIZE	-24	-24	0
INSTR CONTACT HOURS	0	412	412
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$834	$8,779	$7,945
SYSTEM SPECIFIC COST	$3,837	$40,383	$36,545
TOTAL COURSE COST	$57,558	$605,739	$548,181
SYSTEM INSTRUCTORS	0.09	0.24	0.15
TOTAL INSTRUCTORS	1.31	3.49	2.18

-- TRAINING DELTAS --

ALTERNATIVE ASAS BLOCK 1

BASE COURSE NUMBER 3A-964A

MINUEND	70	71	71
SUBTRAHEND	69	69	70
SCENARIO A	70	71	71
SCENARIO B	69	69	70
SCEN A DESC	WCGWO(CURR,OCS12)	WCGWO(CURR+OP,OCS12)	WCGWO(CURR+OP,OCS12)
SCEN B DESC	WCGWO(OCT 89)	WCGWO(OCT 89)	WCGWO(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	365	365
OPTIMUM CLASS SIZE	-24	-24	0
INSTR CONTACT HOURS	0	1255	1255
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$2,855	$16,651	$13,797
SYSTEM SPECIFIC COST	$27,977	$163,184	$135,207
TOTAL COURSE COST	$37,113	$216,469	$179,356
SYSTEM INSTRUCTORS	0.77	2.18	1.41
TOTAL INSTRUCTORS	1.03	2.89	1.86

-- TRAINING DELTAS --

ALTERNATIVE ASAS BLOCK 1

BASE COURSE NUMBER 3A-964A

MINUEND	88	89	89
SUBTRAHEND	87	87	88
SCENARIO A	88	89	89
SCENARIO B	87	87	88
SCEN A DESC	CEIWO(CURR,OCS12)	CEIWO(CURR+OP,OCS12)	CEIWO(CURR+OP,OCS12)
SCEN B DESC	CEIWO(DRAFT)	CEIWO(DRAFT)	CEIWO(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	200	200
OPTIMUM CLASS SIZE	-24	-24	0
INSTR CONTACT HOURS	0	753.2	753.2
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$2,855	$10,688	$7,833
SYSTEM SPECIFIC COST	$21,411	$80,160	$58,749
TOTAL COURSE COST	$37,113	$138,944	$101,832
SYSTEM INSTRUCTORS	0.59	1.24	0.65
TOTAL INSTRUCTORS	1.03	2.15	1.12

-- TRAINING DELTAS --

ALTERNATIVE	ASAS BLOCK 1
BASE COURSE NUMBER	610-63B10
MINUEND	106
SUBTRAHEND	105
SCENARIO A	106
SCENARIO B	105
SCEN A DESC	63B (CURR+ASAS MECH)
SCEN B DESC	63B (CURR)
ATTRITION	0
COURSE LENGTH	0
OPTIMUM CLASS SIZE	0
INSTR CONTACT HOURS	0
CURRENT GRADS	8
NEW SYSTEM GRADS	9.5
NORMALIZED GRADS	0
PREDECESSOR GRADS	0
COST PER GRAD	$0
SYSTEM SPECIFIC COST	$99,778
TOTAL COURSE COST	$183,802
SYSTEM INSTRUCTORS	0.37
TOTAL INSTRUCTORS	0.49

-- TRAINING DELTAS --

ALTERNATIVE	ASAS BLOCK 1
BASE COURSE NUMBER	662-52C10
MINUEND	108
SUBTRAHEND	107
SCENARIO A	108
SCENARIO B	107
SCEN A DESC	52C (CURR+ASAS MECH)
SCEN B DESC	52C (CURR)
ATTRITION	0
COURSE LENGTH	0
OPTIMUM CLASS SIZE	0
INSTR CONTACT HOURS	0
CURRENT GRADS	6
NEW SYSTEM GRADS	1.3
NORMALIZED GRADS	0
PREDECESSOR GRADS	0
COST PER GRAD	$0
SYSTEM SPECIFIC COST	$26,043
TOTAL COURSE COST	$146,242
SYSTEM INSTRUCTORS	0.18
TOTAL INSTRUCTORS	0.82

-- TRAINING DELTAS --

ALTERNATIVE	ASAS BLOCK 1
BASE COURSE NUMBER	662-52D10
MINUEND	110
SUBTRAHEND	109
SCENARIO A	110
SCENARIO B	109
SCEN A DESC	52D (CURR+ASAS MECH)
SCEN B DESC	52D (CURR)
ATTRITION	0
COURSE LENGTH	0
OPTIMUM CLASS SIZE	0
INSTR CONTACT HOURS	0
CURRENT GRADS	0
NEW SYSTEM GRADS	.9
NORMALIZED GRADS	0
PREDECESSOR GRADS	0
COST PER GRAD	$0
SYSTEM SPECIFIC COST	$10,670
TOTAL COURSE COST	$10,670
SYSTEM INSTRUCTORS	0.05
TOTAL INSTRUCTORS	0.04

Appendix O

ASAS Block I Tradeoff #1

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS --
for Assigned Positions

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS & GRADE --
for Assigned Positions

ALTERNATIVE	ALT ID
HYBRID T.O.#1	47

MOS	GRADE	MPWR QTY	PERSNL QTY	RQD GRADS
25Q10	E3	1.00	1.0000	0.0000
33T	E3	1.00	1.0776	0.9383
	E4	1.00	1.0263	0.3825
	E5	1.00	1.0286	0.3405
350B	W2	1.00	1.0545	0.2392
		2.00	2.1090	0.4783
		3.00	3.1636	0.7175
	W4	1.00	1.1000	0.1947
351B	W2	1.00	1.0715	0.2422
352C	W2	1.00	1.0723	0.2784
	W4	1.00	1.0746	0.2869
352G	W2	1.00	1.1250	0.1561
	W4	1.00	1.0870	0.1815
352H	W2	1.00	1.1111	0.3522
352J	W2	1.00	1.1500	0.4248
	W4	1.00	1.0000	0.1430
35A	O2	1.00	1.2082	0.6851
	O3	1.00	1.2120	0.2633
35B	O3	1.00	1.2120	0.2633
35C	O3	1.00	1.2120	0.2633
	O4	1.00	1.1382	0.2349
35D	O3	1.00	1.2120	0.2633
		2.00	2.4239	0.5266
	O4	1.00	1.1382	0.2349
	O5	1.00	1.0872	0.3050
35E	O3	1.00	1.2120	0.2633
35G	O3	1.00	1.2120	0.2633
	O4	1.00	1.1382	0.2349
52C	E4	1.00	1.0297	0.4458
52D	E4	1.00	1.0235	0.3320
	E5	1.00	1.0300	0.1589

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS & GRADE --
for Assigned Positions

ALTERNATIVE	ALT ID
HYBRID T.O.#1	47

MOS	GRADE	MPWR QTY	PERSNL QTY	RQD GRADS
63B	E3	1.00	1.0391	0.9166
	E4	1.00	1.0254	0.3883
	E5	1.00	1.0223	0.2402
71L10	E4	1.00	1.0000	0.0000
		2.00	2.0000	0.0000
71L20	E5	1.00	1.0000	0.0000
96B10	E3	1.00	1.1414	1.0836
		2.00	2.2828	2.1672
		3.00	3.4243	3.2508
	E4	1.00	1.0280	0.6520
		2.00	2.0559	1.3039
		3.00	3.0839	1.9559
96B20	E4	1.00	1.0280	0.6520
	E5	1.00	1.0336	0.2657
96B30	E6	1.00	1.0455	0.1754
96B40	E7	1.00	1.0535	0.1484
96B50	E8	1.00	1.1226	0.3084
96D10	E3	1.00	1.0959	0.9870
	E4	1.00	1.0541	0.6455
96D20	E5	1.00	1.0454	0.3806
96D30	E6	1.00	1.0608	0.1765
96D40	E7	1.00	1.1221	0.1831
96R40	E7	1.00	1.1282	0.3174
97B20	E5	1.00	1.0782	0.2844
97B30	E6	1.00	1.0000	0.2336
98C10	E3	1.00	1.1379	0.9446
		2.00	2.2758	1.8893
	E4	1.00	1.0389	0.5594
		2.00	2.0777	1.1189
98C1L	E4	2.00	2.0777	1.1189

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS & GRADE --
for Assigned Positions

ALTERNATIVE	ALT ID
HYBRID T.O.#1	47

MOS	GRADE	MPWR QTY	PERSNL QTY	RQD GRADS
98C20	E5	1.00	1.0566	0.3233
		2.00	2.1133	0.6466
	E6	1.00	1.0393	0.1444
98C2L	E5	1.00	1.0566	0.3233
		2.00	2.1133	0.6466
98C30	E6	1.00	1.0393	0.1444
98C3L	E6	1.00	1.0393	0.1444
98C40	E7	1.00	1.0621	0.1545
98C4L	E7	1.00	1.0621	0.1545
98G1L	E4	1.00	1.0431	0.7205
		2.00	2.0862	1.4409
98G2L	E5	1.00	1.0421	0.4456
98G3L	E6	1.00	1.0489	0.1712
98G4L	E7	1.00	1.0482	0.1243
98H20	E5	1.00	1.0310	0.3564
98J10	E3	1.00	1.0382	0.9051
		2.00	2.0764	1.8103
	E4	1.00	1.0245	0.4456
		2.00	2.0490	0.8912
		3.00	3.0735	1.3368
98J20	E5	1.00	1.0462	0.1522
98J30	E6	1.00	1.0669	0.1530
98J40	E7	1.00	1.0655	0.1191
98Z50	E8	1.00	1.1035	0.2897
	E9	1.00	1.1035	0.4789

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
SUMMARY BY FORCE

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
SUMMARY BY FORCE

ALTERNATIVE	ALTERN ID
T.O.#1	47

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF				
		ENLISTED	36	37.25	18.5
		Sum	36	37.25	18.5
OFFLINE	MSNSUP				
		OFFICER	35	41.09	9.0
		WARRANT	9	9.95	2.0
		Sum	44	51.04	10.9
	UNDEF				
		ENLISTED	398	421.39	200.2
		OFFICER	60	72.16	19.8
		WARRANT	39	41.20	9.0
		Sum	497	534.76	229.0
OPERATOR	CCS				
		ENLISTED	28	29.36	10.9
		Sum	28	29.36	10.9
	CEI				
		ENLISTED	108	113.20	28.5
		WARRANT	24	26.44	7.6
		Sum	132	139.64	36.1
	SPV/FMR/MRA				
		ENLISTED	7	7.45	0.9
		OFFICER	6	7.20	1.6
		WARRANT	9	9.67	2.6
		Sum	22	24.32	5.0
	TCAC				
		ENLISTED	64	68.47	37.9
		Sum	64	68.47	37.9
	TSE OPER				
		ENLISTED	69	72.36	20.3
		OFFICER	3	3.64	0.8
		WARRANT	38	41.30	9.8
		Sum	110	117.30	30.9

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
ABN CTCAE	T.O.#1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	1	1.14	0.2
		WARRANT	1	1.11	0.4
	UNDEF	ENLISTED	20	21.23	10.0
OPERATOR	CEI	ENLISTED	8	8.40	2.0
		WARRANT	4	4.34	1.0
	TCAC	ENLISTED	8	8.46	4.2
		Sum	42	44.69	17.8

ABN CTSE T.O.#1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	2	2.30	0.6
	UNDEF	ENLISTED	23	24.64	12.8
		OFFICER	9	10.69	2.3
		WARRANT	7	7.43	1.8
OPERATOR	CCS	ENLISTED	2	2.11	0.6
	SPV/FMR/MRA	OFFICER	1	1.14	0.2
		WARRANT	1	1.07	0.3
	TSE OPER	ENLISTED	6	6.26	1.3
		WARRANT	4	4.22	1.0
		Sum	55	59.86	20.8

ABN MAINT HHS T.O.#1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	4	4.11	1.2
		Sum	4	4.11	1.2

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
CTAE CO	T.O.#1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	4	4.85	1.1
	UNDEF	ENLISTED	80	83.33	35.0
		WARRANT	8	8.30	1.7
OPERATOR	CEI	ENLISTED	20	20.93	5.7
		WARRANT	4	4.32	0.9
	TCAC	ENLISTED	16	16.86	8.5
		Sum	132	138.59	52.9

CTSE CO T.O.#1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	4	4.45	1.1
	UNDEF	ENLISTED	54	57.24	26.1
		OFFICER	26	31.22	6.7
		WARRANT	16	16.73	3.6
OPERATOR	CCS	ENLISTED	4	4.19	1.8
	SPV/FMR/MRA	ENLISTED	2	2.12	0.3
		OFFICER	2	2.42	0.5
	TSE OPER	ENLISTED	12	12.50	3.1
		WARRANT	8	8.44	1.9
		Sum	128	139.33	45.2

HV CPS MAINT HHS T.O.#1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	8	8.34	5.3
		Sum	8	8.34	5.3

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
HV DIV HHC	T.O.#1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	5	5.13	1.9
OFFLINE	MSNSUP	OFFICER	10	11.75	2.5
	UNDEF	ENLISTED	55	58.83	28.5
		OFFICER	25	30.26	10.8
OPERATOR	CCS	ENLISTED	10	10.48	4.4
	SPV/FMR/MRA	ENLISTED	5	5.33	0.6
		WARRANT	5	5.37	1.4
	TSE OPER	ENLISTED	30	31.55	10.4
		WARRANT	20	22.12	5.5
		Sum	165	180.82	66.1

HV DIV MI BN T.O.#1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	10	10.26	3.9
OFFLINE	MSNSUP	OFFICER	5	5.69	1.2
		WARRANT	5	5.62	0.8
	UNDEF	ENLISTED	115	120.89	59.0
		WARRANT	5	5.36	1.4
OPERATOR	CEI	ENLISTED	50	52.58	10.1
		WARRANT	10	11.11	3.5
	TCAC	ENLISTED	40	43.15	25.2
		Sum	240	254.66	105.0

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
LT DIV HHC	T.O.#1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	3	3.12	2.7
OFFLINE	MSNSUP	OFFICER	6	7.27	1.6
	UNDEF	ENLISTED	12	13.09	6.5
OPERATOR	CCS	ENLISTED	6	6.29	1.4
	SPV/FMR/MRA	OFFICER	3	3.64	0.8
		WARRANT	3	3.22	0.9
	TSE OPER	ENLISTED	21	22.04	5.6
		OFFICER	3	3.64	0.8
		WARRANT	6	6.52	1.4
		Sum	63	68.83	21.7

LT DIV MI BN T.O.#1

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	6	6.30	3.5
OFFLINE	MSNSUP	OFFICER	3	3.64	0.8
		WARRANT	3	3.22	0.8
	UNDEF	ENLISTED	39	42.14	22.4
		WARRANT	3	3.37	0.5
OPERATOR	CCS	ENLISTED	6	6.29	2.6
	CEI	ENLISTED	30	31.29	10.7
		WARRANT	6	6.67	2.1
		Sum	96	102.91	43.5

-- ALL MOS(s) SORTED BY POSITIONS, GRADES AND UTOE --
SUMMARIZED BY FORCE

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
25Q10	OFFLINE	E3	2	2.0	0.0	CTSE CO
			2	2.0	0.0	
33T	MAINTAINER	E3	2	2.2	1.9	HV CPS MAINT HHS
			3	3.2	2.8	LT DIV MI BN
			5	5.4	4.7	
		E4	5	5.1	1.9	HV DIV MI BN
			5	5.1	1.9	
		E5	1	1.0	0.3	ABN MAINT HHS
			1	1.0	0.3	
350B	OFFLINE	W2	4	4.2	1.0	ABN CTSE
			8	8.4	1.9	CTSE CO
			12	12.7	2.9	
	OPERATOR	W2	4	4.2	1.0	ABN CTSE
			8	8.4	1.9	CTSE CO
			12	12.7	2.9	
		W4	10	11.0	1.9	HV DIV HHC
			3	3.3	0.6	LT DIV HHC
			13	14.3	2.5	
351B	OFFLINE	W2	1	1.1	0.2	ABN CTSE
			1	1.1	0.2	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
352C	OFFLINE	W2	2	2.1	0.6	ABN CTSE
			5	5.4	1.4	HV DIV MI BN
			3	3.2	0.8	LT DIV MI BN
			10	10.7	2.8	
		W4	4	4.3	1.1	CTAE CO
			4	4.3	1.1	CTSE CO
			8	8.6	2.3	
	OPERATOR	W2	3	3.2	0.8	ABN CTCAE
			1	1.1	0.3	ABN CTSE
			5	5.4	1.4	HV DIV MI BN
			3	3.2	0.8	LT DIV MI BN
			12	12.9	3.3	
		W4	2	2.1	0.6	CTAE CO
			10	10.7	2.9	HV DIV HHC
			6	6.4	1.7	LT DIV HHC
			18	19.3	5.2	
352G	OFFLINE	W2	5	5.6	0.8	HV DIV MI BN
			3	3.4	0.5	LT DIV MI BN
			8	9.0	1.2	
	OPERATOR	W2	1	1.1	0.2	ABN CTCAE
			1	1.1	0.2	
		W4	2	2.2	0.4	CTAE CO
			2	2.2	0.4	
352H	OFFLINE	W2	1	1.1	0.4	ABN CTCAE
			1	1.1	0.4	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
352J	OFFLINE	W4	4	4.0	0.6	CTAE CO
			4	4.0	0.6	CTSE CO
			8	8.0	1.1	
	OPERATOR	W2	5	5.7	2.1	HV DIV HHC
			5	5.7	2.1	HV DIV MI BN
			3	3.4	1.3	LT DIV MI BN
			13	14.9	5.5	
35A	OFFLINE	O2	10	12.1	6.9	HV DIV HHC
			10	12.1	6.9	
		O3	3	3.6	0.8	LT DIV HHC
			3	3.6	0.8	
35B	OFFLINE	O3	2	2.4	0.5	CTSE CO
			2	2.4	0.5	
35C	OFFLINE	O3	1	1.2	0.3	ABN CTSE
			4	4.8	1.1	CTSE CO
			5	6.1	1.3	HV DIV HHC
			10	12.1	2.6	
	OPERATOR	O3	3	3.6	0.8	LT DIV HHC
			3	3.6	0.8	
		O4	1	1.1	0.2	ABN CTSE
			1	1.1	0.2	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
35D	OFFLINE	03	5	6.1	1.3	ABN CTSE
			4	4.8	1.1	CTAE CO
			6	7.3	1.6	CTSE CO
			5	6.1	1.3	HV DIV HHC
			3	3.6	0.8	LT DIV HHC
			23	27.9	6.1	
		04	3	3.4	0.7	ABN CTSE
			4	4.6	0.9	CTSE CO
			5	5.7	1.2	HV DIV HHC
			12	13.7	2.8	
		05	1	1.1	0.3	ABN CTSE
			2	2.2	0.6	CTSE CO
			3	3.3	0.9	
35E	OFFLINE	03	2	2.4	0.5	CTSE CO
			2	2.4	0.5	
35G	OFFLINE	03	1	1.2	0.3	ABN CTSE
			8	9.7	2.1	CTSE CO
			10	12.1	2.6	HV DIV HHC
			3	3.6	0.8	LT DIV MI BN
			22	26.7	5.8	
		04	1	1.1	0.2	ABN CTCAE
			2	2.3	0.5	CTSE CO
			5	5.7	1.2	HV DIV MI BN
			8	9.1	1.9	
	OPERATOR	03	2	2.4	0.5	CTSE CO
			3	3.6	0.8	LT DIV HHC
			5	6.1	1.3	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
52C	MAINTAINER	E4	1	1.0	0.4	ABN MAINT HHS
			2	2.1	0.9	HV CPS MAINT HHS
			3	3.1	1.3	
52D	MAINTAINER	E4	2	2.0	0.7	HV CPS MAINT HHS
			2	2.0	0.7	
		E5	1	1.0	0.2	ABN MAINT HHS
			1	1.0	0.2	
63B	MAINTAINER	E3	2	2.1	1.8	HV CPS MAINT HHS
			3	3.1	2.7	LT DIV HHC
			5	5.2	4.6	
		E4	5	5.1	1.9	HV DIV HHC
			5	5.1	1.9	HV DIV MI BN
			10	10.3	3.9	
		E5	1	1.0	0.2	ABN MAINT HHS
			3	3.1	0.7	LT DIV MI BN
			4	4.1	1.0	
71L10	OFFLINE	E4	2	2.0	0.0	ABN CTCAE
			2	2.0	0.0	ABN CTSE
			8	8.0	0.0	CTAE CO
			6	6.0	0.0	CTSE CO
			10	10.0	0.0	HV DIV HHC
			15	15.0	0.0	HV DIV MI BN
			3	3.0	0.0	LT DIV MI BN
			46	46.0	0.0	
71L20	OFFLINE	E5	2	2.0	0.0	CTSE CO
			2	2.0	0.0	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
96B10	OFFLINE	E3	4	4.6	4.3	ABN CTSE
			12	13.7	13.0	CTSE CO
			15	17.1	16.3	HV DIV HHC
			5	5.7	5.4	HV DIV MI BN
			3	3.4	3.3	LT DIV HHC
			39	44.5	42.3	
		E4	3	3.1	2.0	ABN CTSE
			4	4.1	2.6	CTAE CO
			10	10.3	6.5	CTSE CO
			10	10.3	6.5	HV DIV HHC
			5	5.1	3.3	HV DIV MI BN
			3	3.1	2.0	LT DIV HHC
			35	36.0	22.8	
	OPERATOR	E4	5	5.1	3.3	HV DIV HHC
			3	3.1	2.0	LT DIV HHC
			3	3.1	2.0	LT DIV MI BN
			11	11.3	7.2	
96B20	OFFLINE	E5	4	4.1	1.1	CTAE CO
			5	5.2	1.3	HV DIV MI BN
			9	9.3	2.4	
	OPERATOR	E4	5	5.1	3.3	HV DIV HHC
			5	5.1	3.3	
		E5	3	3.1	0.8	ABN CTSE
			6	6.2	1.6	CTSE CO
			5	5.2	1.3	HV DIV HHC
			6	6.2	1.6	LT DIV HHC
			3	3.1	0.8	LT DIV MI BN
			23	23.8	6.1	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
96B30	OFFLINE	E6	2	2.1	0.4	CTSE CO
			2	2.1	0.4	
	OPERATOR	E6	1	1.0	0.2	ABN CTSE
			2	2.1	0.4	CTSE CO
			5	5.2	0.9	HV DIV HHC
			6	6.3	1.1	LT DIV HHC
			14	14.6	2.5	
96B40	OFFLINE	E7	5	5.3	0.7	HV DIV HHC
			5	5.3	0.7	
	OPERATOR	E7	1	1.1	0.1	ABN CTSE
			5	5.3	0.7	HV DIV HHC
			5	5.3	0.7	HV DIV MI BN
			11	11.6	1.6	
96B50	OFFLINE	E8	2	2.2	0.6	ABN CTSE
			2	2.2	0.6	CTSE CO
			4	4.5	1.2	
96D10	OFFLINE	E3	1	1.1	1.0	ABN CTSE
			2	2.2	2.0	CTAE CO
			3	3.3	3.0	
		E4	4	4.2	2.6	CTAE CO
			4	4.2	2.6	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
96D20	OFFLINE	E5	2	2.1	0.8	ABN CTSE
			2	2.1	0.8	CTAE CO
			4	4.2	1.5	
	OPERATOR	E5	2	2.1	0.8	CTSE CO
			2	2.1	0.8	
96D30	OPERATOR	E6	1	1.1	0.2	ABN CTSE
			2	2.1	0.4	CTSE CO
			3	3.2	0.5	
96D40	OPERATOR	E7	5	5.6	0.9	HV DIV HHC
			3	3.4	0.5	LT DIV HHC
			8	9.0	1.5	
96R40	OFFLINE	E7	5	5.6	1.6	HV DIV HHC
			3	3.4	1.0	LT DIV HHC
			8	9.0	2.5	
97B20	OFFLINE	E5	1	1.1	0.3	ABN CTSE
			1	1.1	0.3	
97B30	OFFLINE	E6	1	1.0	0.2	ABN CTSE
			1	1.0	0.2	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98C10	OFFLINE	E3	4	4.6	3.8	ABN CTCAE
			1	1.1	0.9	ABN CTSE
			2	2.3	1.9	CTAE CO
			15	17.1	14.2	HV DIV MI BN
			15	17.1	14.2	LT DIV MI BN
			37	42.1	35.0	
		E4	3	3.1	1.7	ABN CTCAE
			3	3.1	1.7	ABN CTSE
			12	12.5	6.7	CTAE CO
			2	2.1	1.1	CTSE CO
			5	5.2	2.8	HV DIV HHC
			15	15.6	8.4	HV DIV MI BN
			3	3.1	1.7	LT DIV MI BN
			43	44.7	24.1	
	OPERATOR	E3	1	1.1	0.9	ABN CTCAE
			2	2.3	1.9	CTAE CO
			15	17.1	14.2	HV DIV MI BN
			18	20.5	17.0	
		E4	4	4.2	2.2	ABN CTCAE
			4	4.2	2.2	CTAE CO
			2	2.1	1.1	CTSE CO
			5	5.2	2.8	HV DIV HHC
			10	10.4	5.6	HV DIV MI BN
			9	9.3	5.0	LT DIV MI BN
			34	35.3	19.0	
98C1L	OPERATOR	E4	8	8.3	4.5	CTAE CO
			8	8.3	4.5	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98C20	OFFLINE	E5	1	1.1	0.3	ABN CTCAE
			1	1.1	0.3	ABN CTSE
			2	2.1	0.6	
		E6	2	2.1	0.3	CTAE CO
			2	2.1	0.3	
	OPERATOR	E5	8	8.5	2.6	ABN CTCAE
			2	2.1	0.6	ABN CTSE
			5	5.3	1.6	HV DIV HHC
			25	26.4	8.1	HV DIV MI BN
			3	3.2	1.0	LT DIV HHC
			3	3.2	1.0	LT DIV MI BN
			46	48.6	14.9	
98C2L	OFFLINE	E5	4	4.2	1.3	CTAE CO
			2	2.1	0.6	CTSE CO
			6	6.3	1.9	
	OPERATOR	E5	10	10.6	3.2	CTAE CO
			2	2.1	0.6	CTSE CO
			6	6.3	1.9	LT DIV MI BN
			18	19.0	5.8	
98C30	OFFLINE	E6	3	3.1	0.4	LT DIV MI BN
			3	3.1	0.4	
	OPERATOR	E6	1	1.0	0.1	ABN CTCAE
			5	5.2	0.7	HV DIV MI BN
			6	6.2	0.9	LT DIV HHC
			12	12.5	1.7	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98C3L	OFFLINE	E6	2	2.1	0.3	CTAE CO
			2	2.1	0.3	CTSE CO
			4	4.2	0.6	
	OPERATOR	E6	2	2.1	0.3	ABN CTCAE
			4	4.2	0.6	CTAE CO
			10	10.4	1.4	HV DIV MI BN
			3	3.1	0.4	LT DIV MI BN
			19	19.7	2.7	
98C40	OFFLINE	E7	1	1.1	0.2	ABN CTCAE
			1	1.1	0.2	ABN CTSE
			2	2.1	0.3	CTAE CO
			4	4.2	0.6	
	OPERATOR	E7	2	2.1	0.3	CTSE CO
			5	5.3	0.8	HV DIV MI BN
			7	7.4	1.1	
98C4L	OFFLINE	E7	2	2.1	0.3	CTAE CO
			2	2.1	0.3	
98G1L	OFFLINE	E4	3	3.1	2.2	ABN CTCAE
			5	5.2	3.6	HV DIV MI BN
			3	3.1	2.2	LT DIV MI BN
			11	11.5	7.9	
98G2L	OFFLINE	E5	2	2.1	0.9	ABN CTCAE
			10	10.4	4.5	HV DIV MI BN
			6	6.3	2.7	LT DIV MI BN
			18	18.8	8.0	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98G3L	OFFLINE	E6	2	2.1	0.3	ABN CTCAE
			2	2.1	0.3	
98G4L	OFFLINE	E7	3	3.1	0.4	LT DIV MI BN
			3	3.1	0.4	
98H20	OFFLINE	E5	1	1.0	0.4	ABN CTCAE
			5	5.2	1.8	HV DIV MI BN
			6	6.2	2.1	
98J10	OFFLINE	E3	8	8.3	7.2	CTAE CO
			5	5.2	4.5	HV DIV MI BN
			13	13.5	11.8	
		E4	14	14.3	6.2	CTAE CO
			4	4.1	1.8	CTSE CO
			20	20.5	8.9	HV DIV MI BN
			38	38.9	16.9	
	OPERATOR	E4	2	2.0	0.9	CTAE CO
			5	5.1	2.2	HV DIV MI BN
			3	3.1	1.3	LT DIV MI BN
			10	10.2	4.5	
98J20	OFFLINE	E5	2	2.1	0.3	CTAE CO
			2	2.1	0.3	CTSE CO
			5	5.2	0.8	HV DIV MI BN
			9	9.4	1.4	
	OPERATOR	E5	6	6.3	0.9	CTAE CO
			5	5.2	0.8	HV DIV MI BN
			3	3.1	0.5	LT DIV MI BN
			14	14.6	2.1	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#1	47

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98J30	OFFLINE	E6	2	2.1	0.3	CTAE CO
			2	2.1	0.3	CTSE CO
			4	4.3	0.6	
	OPERATOR	E6	5	5.3	0.8	HV DIV MI BN
			3	3.2	0.5	LT DIV MI BN
			8	8.5	1.2	
98J40	OFFLINE	E7	2	2.1	0.2	CTAE CO
			2	2.1	0.2	CTSE CO
			5	5.3	0.6	HV DIV HHC
			3	3.2	0.4	LT DIV HHC
			12	12.8	1.4	
	OPERATOR	E7	5	5.3	0.6	HV DIV HHC
			5	5.3	0.6	
98Z50	OFFLINE	E8	1	1.1	0.3	ABN CTCAE
			2	2.2	0.6	CTAE CO
			3	3.3	0.9	LT DIV MI BN
			6	6.6	1.7	
		E9	1	1.1	0.5	ABN CTSE
			2	2.2	1.0	CTSE CO
			5	5.5	2.4	HV DIV MI BN
			8	8.8	3.8	

-- TRAINING ALTERNATIVES --

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#1

Base Course Number 1023310

Scenario Description	33T(CURR+NSG)	33T(CURR,OCS4)	33T(CURR+OP,OCS4)
Scenario Number	90	91	92
Predecessor Grads	0.00	0.00	0.00
Current Grads	141	141	141
New System Grads	6.90	6.90	6.90
Attrition Rate	.21	.21	.21
Course Length In Hours	1413	1413	1733
Instructor Contact Hours	2705	2705	3163
Normalized Grads	122	123	123
Optimum Class Size	8	4	4
Cost Per Grad	$91,946	$99,404	$109,014
System Specific Cost	$634,424	$685,887	$752,194
Total Course Cost	$13,598,745	$14,701,848	$16,123,111
System Instructors	2.73	5.41	6.31
Total Instructors	51.27	94.96	108.97

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#1

Base Course Number 243-96B10

Scenario Description	WCGEN(AUG 89)	WCGEN(CURR, OCS12)	WCGEN(CURR+OP,OCS12)
Scenario Number	66	67	68
Predecessor Grads	22.40	22.40	22.40
Current Grads	527	527	527
New System Grads	22.40	22.40	22.40
Attrition Rate	.22	.22	.22
Course Length In Hours	530	530	770
Instructor Contact Hours	1241	635	1538.97
Normalized Grads	643	643	643
Optimum Class Size	36	12	12
Cost Per Grad	$15,459	$16,466	$24,605
System Specific Cost	$346,272	$368,828	$551,143
Total Course Cost	$8,146,676	$8,677,348	$12,966,621
System Instructors	0.92	1.41	3.39
Total Instructors	20.37	30.43	67.90

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#1

Base Course Number 243-96B10

Scenario Description	CEIEN(DRAFT)	CEIEN(CURR,OCS12)	CEIEN(CURR+OP,OCS12)
Scenario Number	84	85	86
Predecessor Grads	62.30	62.30	62.30
Current Grads	527	527	527
New System Grads	62.30	62.30	62.30
Attrition Rate	.22	.22	.22
Course Length In Hours	530	530	730
Instructor Contact Hours	1241	635	1388.15
Normalized Grads	643	643	643
Optimum Class Size	36	12	12
Cost Per Grad	$15,459	$16,466	$23,247
System Specific Cost	$963,070	$1,025,804	$1,448,311
Total Course Cost	$8,146,676	$8,677,348	$12,251,363
System Instructors	2.54	3.89	8.38
Total Instructors	20.37	30.43	61.94

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#1

Base Course Number 243-96B20

Scenario Description	SPVEN(DRAFT)	SPVEN(CURR,OCS12)	SPVEN(CURR+OP,OCS12)
Scenario Number	75	76	77
Predecessor Grads	13.50	13.50	13.50
Current Grads	190	190	190
New System Grads	13.50	13.50	13.50
Attrition Rate	.01	.01	.01
Course Length In Hours	248	248	648
Instructor Contact Hours	324	324	1404
Normalized Grads	210	210	210
Optimum Class Size	20	12	12
Cost Per Grad	$8,788	$9,423	$24,104
System Specific Cost	$118,638	$127,216	$325,401
Total Course Cost	$1,669,717	$1,790,446	$4,579,719
System Instructors	0.21	0.34	1.48
Total Instructors	2.87	4.75	19.68

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#1

Base Course Number 3-30-C22

Scenario Description	SPVOF(OCT 89)	SPVOF(CURR,OCS12)	SPVOF(CURR+OP,OCS12)
Scenario Number	81	82	83
Predecessor Grads	11.40	11.40	11.40
Current Grads	644	644	644
New System Grads	11.40	11.40	11.40
Attrition Rate	.02	.02	.02
Course Length In Hours	412	412	812
Instructor Contact Hours	1210.1	1210.1	2290.1
Normalized Grads	445	445	445
Optimum Class Size	60	12	12
Cost Per Grad	$20,091	$24,000	$42,585
System Specific Cost	$229,038	$273,605	$485,467
Total Course Cost	$12,938,629	$15,456,280	$27,424,609
System Instructors	0.22	1.09	2.06
Total Instructors	11.89	53.43	94.17

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#1

Base Course Number 3-30-C32

Scenario Description	SPVWO(OCT 89)	SPVWO(CURR,OCS12)	SPVWO(CURR+OP,OCS12)
Scenario Number	78	79	80
Predecessor Grads	22.20	22.20	22.20
Current Grads	69	69	69
New System Grads	22.20	22.20	22.20
Attrition Rate	.01	.01	.01
Course Length In Hours	197	197	597
Instructor Contact Hours	363.5	363.5	1443.5
Normalized Grads	65	65	65
Optimum Class Size	36	12	12
Cost Per Grad	$8,841	$9,675	$25,883
System Specific Cost	$196,266	$214,784	$574,612
Total Course Cost	$610,015	$667,573	$1,785,955
System Instructors	0.21	0.63	2.49
Total Instructors	0.65	1.96	7.62

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#1

Base Course Number 610-63B10

Scenario Description	63B (CURR)	63B (CURR+ASAS MECH)
Scenario Number	105	106
Predecessor Grads	0.00	0.00
Current Grads	3252	3260
New System Grads	0.00	9.50
Attrition Rate	.07	.07
Course Length In Hours	442	442
Instructor Contact Hours	1959.9	1959.9
Normalized Grads	3252	3252
Optimum Class Size	50	50
Cost Per Grad	$10,503	$10,503
System Specific Cost	$0	$99,778
Total Course Cost	$34,155,631	$34,339,433
System Instructors	0.00	0.37
Total Instructors	101.83	102.32

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#1

Base Course Number 662-52C10

Scenario Description	52C (CURR)	52C (CURR+ASAS MECH)
Scenario Number	107	108
Predecessor Grads	0.00	0.00
Current Grads	315	321
New System Grads	0.00	1.30
Attrition Rate	.04	.04
Course Length In Hours	659	659
Instructor Contact Hours	2954	2954
Normalized Grads	315	315
Optimum Class Size	21	21
Cost Per Grad	$20,033	$20,033
System Specific Cost	$0	$26,043
Total Course Cost	$6,310,427	$6,456,669
System Instructors	0.00	0.18
Total Instructors	38.49	39.31

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#1

Base Course Number 662-52D10

Scenario Description	52D (CURR)	52D (CURR+ASAS MECH)
Scenario Number	109	110
Predecessor Grads	0.00	0.00
Current Grads	1635	1635
New System Grads	0.00	0.90
Attrition Rate	.03	.03
Course Length In Hours	412	412
Instructor Contact Hours	1762	1762
Normalized Grads	643	643
Optimum Class Size	32	32
Cost Per Grad	$11,855	$11,855
System Specific Cost	$0	$10,670
Total Course Cost	$19,383,266	$19,393,936
System Instructors	0.00	0.05
Total Instructors	72.17	72.21

-- TRAINING DELTAS --

-- TRAINING DELTAS --

ALTERNATIVE	T.O.#1		
BASE COURSE NUMBER	1023310		
MINUEND	92	91	92
SUBTRAHEND	90	90	91
SCENARIO A	92	91	92
SCENARIO B	90	90	91
SCEN A DESC	33T(CURR+OP,OCS4)	33T(CURR,OCS4)	33T(CURR+OP,OCS4)
SCEN B DESC	33T(CURR+NSG)	33T(CURR+NSG)	33T(CURR,OCS4)
ATTRITION	0	0	0
COURSE LENGTH	320	0	320
OPTIMUM CLASS SIZE	-4	-4	0
INSTR CONTACT HOURS	458	0	458
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	1	1	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$17,068	$7,458	$9,610
SYSTEM SPECIFIC COST	$117,770	$51,463	$66,306
TOTAL COURSE COST	$2,524,366	$1,103,102	$1,421,263
SYSTEM INSTRUCTORS	3.58	2.68	0.90
TOTAL INSTRUCTORS	57.70	43.69	14.01

-- TRAINING DELTAS --

ALTERNATIVE T.O.#1

BASE COURSE NUMBER 243-96B10

MINUEND	67	68	68
SUBTRAHEND	66	66	67
SCENARIO A	67	68	68
SCENARIO B	66	66	67
SCEN A DESC	WCGEN(CURR, OCS12)	WCGEN(CURR+OP,OCS12)	WCGEN(CURR+OP,OCS12)
SCEN B DESC	WCGEN(AUG 89)	WCGEN(AUG 89)	WCGEN(CURR, OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	240	240
OPTIMUM CLASS SIZE	-24	-24	0
INSTR CONTACT HOURS	-606	298.0	904.0
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$1,007	$9,146	$8,139
SYSTEM SPECIFIC COST	$22,556	$204,871	$182,314
TOTAL COURSE COST	$530,672	$4,819,946	$4,289,274
SYSTEM INSTRUCTORS	0.49	2.47	1.98
TOTAL INSTRUCTORS	10.06	47.53	37.47

-- TRAINING DELTAS --

ALTERNATIVE	T.O.#1		
BASE COURSE NUMBER	243-96B10		
MINUEND	85	86	86
SUBTRAHEND	84	84	85
SCENARIO A	85	86	86
SCENARIO B	84	84	85
SCEN A DESC	CEIEN(CURR,OCS12)	CEIEN(CURR+OP,OCS12)	CEIEN(CURR+OP,OCS12)
SCEN B DESC	CEIEN(DRAFT)	CEIEN(DRAFT)	CEIEN(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	200	200
OPTIMUM CLASS SIZE	-24	-24	0
INSTR CONTACT HOURS	-606	147.2	753.2
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$1,007	$7,789	$6,782
SYSTEM SPECIFIC COST	$62,734	$485,241	$422,507
TOTAL COURSE COST	$530,672	$4,104,687	$3,574,015
SYSTEM INSTRUCTORS	1.35	5.84	4.49
TOTAL INSTRUCTORS	10.06	41.57	31.51

-- TRAINING DELTAS --

ALTERNATIVE T.O.#1

BASE COURSE NUMBER 243-96B20

MINUEND	76	77	77
SUBTRAHEND	75	75	76
SCENARIO A	76	77	77
SCENARIO B	75	75	76
SCEN A DESC	SPVEN(CURR,OCS12)	SPVEN(CURR+OP,OCS12)	SPVEN(CURR+OP,OCS12)
SCEN B DESC	SPVEN(DRAFT)	SPVEN(DRAFT)	SPVEN(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	400	400
OPTIMUM CLASS SIZE	-8	-8	0
INSTR CONTACT HOURS	0	1080	1080
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$635	$15,316	$14,680
SYSTEM SPECIFIC COST	$8,578	$206,763	$198,185
TOTAL COURSE COST	$120,729	$2,910,002	$2,789,274
SYSTEM INSTRUCTORS	0.13	1.27	1.14
TOTAL INSTRUCTORS	1.88	16.81	14.93

-- TRAINING DELTAS --

ALTERNATIVE T.O.#1

BASE COURSE NUMBER 3-30-C22

MINUEND	82	83	83
SUBTRAHEND	81	81	82
SCENARIO A	82	83	83
SCENARIO B	81	81	82
SCEN A DESC	SPVOF(CURR,OCS12)	SPVOF(CURR+OP,OCS12)	SPVOF(CURR+OP,OCS12)
SCEN B DESC	SPVOF(OCT 89)	SPVOF(OCT 89)	SPVOF(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	400	400
OPTIMUM CLASS SIZE	-48	-48	0
INSTR CONTACT HOURS	0	1080	1080
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$3,909	$22,494	$18,584
SYSTEM SPECIFIC COST	$44,567	$256,429	$211,862
TOTAL COURSE COST	$2,517,651	$14,485,980	$11,968,329
SYSTEM INSTRUCTORS	0.87	1.84	0.97
TOTAL INSTRUCTORS	41.54	82.28	40.74

-- TRAINING DELTAS --

ALTERNATIVE T.O.#1

BASE COURSE NUMBER 3-30-C32

MINUEND	79	80	80
SUBTRAHEND	78	78	79
SCENARIO A	79	80	80
SCENARIO B	78	78	79
SCEN A DESC	SPVWO(CURR,OCS12)	SPVWO(CURR+OP,OCS12)	SPVWO(CURR+OP,OCS12)
SCEN B DESC	SPVWO(OCT 89)	SPVWO(OCT 89)	SPVWO(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	400	400
OPTIMUM CLASS SIZE	-24	-24	0
INSTR CONTACT HOURS	0	1080	1080
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$834	$17,043	$16,208
SYSTEM SPECIFIC COST	$18,519	$378,346	$359,827
TOTAL COURSE COST	$57,558	$1,175,940	$1,118,382
SYSTEM INSTRUCTORS	0.42	2.28	1.86
TOTAL INSTRUCTORS	1.31	6.97	5.66

-- TRAINING DELTAS --

ALTERNATIVE	T.O.#1
BASE COURSE NUMBER	610-63B10
MINUEND	106
SUBTRAHEND	105
SCENARIO A	106
SCENARIO B	105
SCEN A DESC	63B (CURR+ASAS MECH)
SCEN B DESC	63B (CURR)
ATTRITION	0
COURSE LENGTH	0
OPTIMUM CLASS SIZE	0
INSTR CONTACT HOURS	0
CURRENT GRADS	8
NEW SYSTEM GRADS	9.5
NORMALIZED GRADS	0
PREDECESSOR GRADS	0
COST PER GRAD	$0
SYSTEM SPECIFIC COST	$99,778
TOTAL COURSE COST	$183,802
SYSTEM INSTRUCTORS	0.37
TOTAL INSTRUCTORS	0.49

-- TRAINING DELTAS --

ALTERNATIVE	T.O.#1
BASE COURSE NUMBER	662-52C10
MINUEND	108
SUBTRAHEND	107
SCENARIO A	108
SCENARIO B	107
SCEN A DESC	52C (CURR+ASAS MECH)
SCEN B DESC	52C (CURR)
ATTRITION	0
COURSE LENGTH	0
OPTIMUM CLASS SIZE	0
INSTR CONTACT HOURS	0
CURRENT GRADS	6
NEW SYSTEM GRADS	1.3
NORMALIZED GRADS	0
PREDECESSOR GRADS	0
COST PER GRAD	$0
SYSTEM SPECIFIC COST	$26,043
TOTAL COURSE COST	$146,242
SYSTEM INSTRUCTORS	0.18
TOTAL INSTRUCTORS	0.82

-- TRAINING DELTAS --

ALTERNATIVE	T.O.#1
BASE COURSE NUMBER	662-52D10
MINUEND	110
SUBTRAHEND	109
SCENARIO A	110
SCENARIO B	109
SCEN A DESC	52D (CURR+ASAS MECH)
SCEN B DESC	52D (CURR)
ATTRITION	0
COURSE LENGTH	0
OPTIMUM CLASS SIZE	0
INSTR CONTACT HOURS	0
CURRENT GRADS	0
NEW SYSTEM GRADS	.9
NORMALIZED GRADS	0
PREDECESSOR GRADS	0
COST PER GRAD	$0
SYSTEM SPECIFIC COST	$10,670
TOTAL COURSE COST	$10,670
SYSTEM INSTRUCTORS	0.05
TOTAL INSTRUCTORS	0.04

Appendix P

ASAS Block I Tradeoff #2

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS --
for Assigned Positions

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS & GRADE --
for Assigned Positions

ALTERNATIVE	ALT ID
HYBRID T.O.#2	61

MOS	GRADE	MPWR QTY	PERSNL QTY	RQD GRADS
25Q10	E3	1.00	1.0000	0.0000
33T	E3	1.00	1.0776	0.9383
		3.00	3.2328	2.8149
	E4	1.00	1.0263	0.3825
		4.00	4.1051	1.5300
		5.00	5.1314	1.9125
	E5	1.00	1.0286	0.3405
		2.00	2.0572	0.6811
	E6	1.00	1.0267	0.1928
	E7	1.00	1.0295	0.1395
350B	W2	1.00	1.0545	0.2392
		2.00	2.1090	0.4783
		3.00	3.1636	0.7175
		4.00	4.2181	0.9567
	W4	1.00	1.1000	0.1947
351B	W2	1.00	1.0715	0.2422
352C	W2	1.00	1.0723	0.2784
	W4	1.00	1.0746	0.2869
352G	W2	1.00	1.1250	0.1561
	W4	1.00	1.0870	0.1815
352H	W2	1.00	1.1111	0.3522
352J	W2	1.00	1.1500	0.4248
	W4	1.00	1.0000	0.1430
35A	O2	1.00	1.2082	0.6851
	O3	1.00	1.2120	0.2633
35B	O3	1.00	1.2120	0.2633
35C	O3	1.00	1.2120	0.2633
	O4	1.00	1.1382	0.2349
35D	O3	1.00	1.2120	0.2633
		2.00	2.4239	0.5266
	O4	1.00	1.1382	0.2349
	O5	1.00	1.0872	0.3050
35E	O3	1.00	1.2120	0.2633
35G	O3	1.00	1.2120	0.2633
		2.00	2.4239	0.5266
	O4	1.00	1.1382	0.2349

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS & GRADE --
for Assigned Positions

ALTERNATIVE	ALT ID
HYBRID T.O.#2	61

MOS	GRADE	MPWR QTY	PERSNL QTY	RQD GRADS
52C	E4	1.00	1.0297	0.4458
52D	E4	1.00	1.0235	0.3320
	E5	1.00	1.0300	0.1589
63B	E3	1.00	1.0391	0.9166
	E4	1.00	1.0254	0.3883
	E5	1.00	1.0223	0.2402
71L10	E4	1.00	1.0000	0.0000
		2.00	2.0000	0.0000
71L20	E5	1.00	1.0000	0.0000
96B10	E3	1.00	1.1414	1.0836
		2.00	2.2828	2.1672
		3.00	3.4243	3.2508
	E4	1.00	1.0280	0.6520
		2.00	2.0559	1.3039
96B20	E4	1.00	1.0280	0.6520
	E5	1.00	1.0336	0.2657
96B30	E6	1.00	1.0455	0.1754
96B40	E7	1.00	1.0535	0.1484
96B50	E8	1.00	1.1226	0.3084
96D10	E3	1.00	1.0959	0.9870
	E4	1.00	1.0541	0.6455
96D20	E5	1.00	1.0454	0.3806
96D30	E6	1.00	1.0608	0.1765
96D40	E7	1.00	1.1221	0.1831
96R40	E7	1.00	1.1282	0.3174
97B20	E5	1.00	1.0782	0.2844
97B30	E6	1.00	1.0000	0.2336
98C10	E3	1.00	1.1379	0.9446
		2.00	2.2758	1.8893
	E4	1.00	1.0389	0.5594
		2.00	2.0777	1.1189
		3.00	3.1166	1.6783

-- MANPOWER, PERSONNEL, REQUIRED GRADS BY MOS & GRADE --
for Assigned Positions

ALTERNATIVE	ALT ID
HYBRID T.O.#2	61

MOS	GRADE	MPWR QTY	PERSNL QTY	RQD GRADS
98C1L	E4	2.00	2.0777	1.1189
98C20	E5	1.00	1.0566	0.3233
		2.00	2.1133	0.6466
		3.00	3.1699	0.9698
	E6	1.00	1.0393	0.1444
98C2L	E4	1.00	1.0389	0.5594
	E5	1.00	1.0566	0.3233
		2.00	2.1133	0.6466
98C30	E6	1.00	1.0393	0.1444
98C3L	E6	1.00	1.0393	0.1444
98C40	E7	1.00	1.0621	0.1545
98C4L	E7	1.00	1.0621	0.1545
98G1L	E4	1.00	1.0431	0.7205
		2.00	2.0862	1.4409
98G2L	E5	1.00	1.0421	0.4456
98G3L	E6	1.00	1.0489	0.1712
98G4L	E7	1.00	1.0482	0.1243
98H20	E5	1.00	1.0310	0.3564
98J10	E3	1.00	1.0382	0.9051
		2.00	2.0764	1.8103
	E4	1.00	1.0245	0.4456
		2.00	2.0490	0.8912
		3.00	3.0735	1.3368
98J20	E5	1.00	1.0462	0.1522
98J30	E6	1.00	1.0669	0.1530
98J40	E7	1.00	1.0655	0.1191
98Z50	E8	1.00	1.1035	0.2897
	E9	1.00	1.1035	0.4789

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
SUMMARY BY FORCE

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
SUMMARY BY FORCE

ALTERNATIVE	ALTERN ID
T.O.#2	61

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF				
		ENLISTED	119	123.61	59.2
		Sum	119	123.61	59.2
OFFLINE	MSNSUP				
		OFFICER	43	50.56	11.0
		WARRANT	20	21.96	4.6
		Sum	63	72.52	15.6
	UNDEF				
		ENLISTED	57	57.72	2.1
		WARRANT	1	1.07	0.2
		Sum	58	58.79	2.3
OPERATOR	CCS				
		ENLISTED	47	49.73	23.7
		Sum	47	49.73	23.7
	CEI				
		ENLISTED	284	299.78	127.6
		WARRANT	24	25.87	6.7
		Sum	308	325.65	134.3
	SPV/FMR/MRA				
		ENLISTED	56	59.90	16.9
		OFFICER	58	69.89	19.3
		WARRANT	40	42.52	10.4
		Sum	154	172.30	46.6
	TCAC				
		ENLISTED	93	98.43	55.6
		Sum	93	98.43	55.6
	TSE OPER				
		ENLISTED	137	146.64	73.3
		OFFICER	3	3.64	0.8
		WARRANT	34	37.14	9.0
		Sum	174	187.42	83.1

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
ABN CTCAE	T.O.#2

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	1	1.14	0.2
		WARRANT	2	2.24	0.5
	UNDEF	ENLISTED	2	2.00	0.0
OPERATOR	CEI	ENLISTED	24	25.39	10.8
		WARRANT	1	1.07	0.3
	SPV/FMR/MRA	ENLISTED	1	1.10	0.3
		WARRANT	2	2.14	0.6
	TCAC	ENLISTED	9	9.60	5.1
		Sum	42	44.69	17.8

ABN CTSE T.O.#2

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	3	3.44	0.8
	UNDEF	ENLISTED	4	4.08	0.5
		WARRANT	1	1.07	0.2
OPERATOR	CCS	ENLISTED	4	4.29	2.2
	SPV/FMR/MRA	ENLISTED	4	4.41	1.4
		OFFICER	9	10.69	2.3
		WARRANT	10	10.60	2.5
	TSE OPER	ENLISTED	19	20.24	10.6
		WARRANT	1	1.05	0.2
		Sum	55	59.86	20.8

ABN MAINT HHS T.O.#2

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	6	6.21	2.5
		Sum	6	6.21	2.5

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
CTAE CO	T.O.#2

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	4	4.85	1.1
		WARRANT	2	2.15	0.6
	UNDEF	ENLISTED	8	8.00	0.0
OPERATOR	CEI	ENLISTED	84	87.98	36.6
		WARRANT	10	10.47	2.1
	TCAC	ENLISTED	24	25.11	13.1
		Sum	132	138.56	53.4

CTSE CO T.O.#2

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
OFFLINE	MSNSUP	OFFICER	6	6.73	1.5
	UNDEF	ENLISTED	10	10.00	0.0
OPERATOR	CCS	ENLISTED	10	10.37	4.7
	SPV/FMR/MRA	ENLISTED	10	10.80	2.5
		OFFICER	26	31.36	6.8
		WARRANT	20	20.95	4.6
	TSE OPER	ENLISTED	42	44.90	24.1
		WARRANT	4	4.22	1.0
		Sum	128	139.33	45.2

HV CPS MAINT HHS T.O.#2

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	10	10.39	6.0
		Sum	10	10.39	6.0

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
HV DIV HHC	T.O.#2

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	5	5.13	1.9
OFFLINE	MSNSUP	OFFICER	15	17.81	3.8
	UNDEF	ENLISTED	15	15.64	1.6
OPERATOR	CCS	ENLISTED	15	15.67	7.2
	SPV/FMR/MRA	ENLISTED	15	15.74	4.6
		OFFICER	20	24.20	9.5
		WARRANT	5	5.37	1.4
	TSE OPER	ENLISTED	55	59.14	30.5
		WARRANT	20	22.12	5.5
		Sum	165	180.82	66.1

HV DIV MI BN T.O.#2

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	65	67.51	30.6
OFFLINE	MSNSUP	OFFICER	5	5.69	1.2
		WARRANT	10	10.99	2.2
	UNDEF	ENLISTED	15	15.00	0.0
OPERATOR	CEI	ENLISTED	125	132.38	54.4
		WARRANT	10	11.11	3.5
	SPV/FMR/MRA	ENLISTED	5	5.52	2.4
	TCAC	ENLISTED	60	63.72	37.5
		Sum	295	311.92	131.8

-- MANPOWER, PERSONNEL, REQUIRED GRADS --
BY FORCE, POSITION, FUNCTION, & GRADE TYPE

UTOE ID	ALTERNATIVE
LT DIV HHC	T.O.#2

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	3	3.12	2.7
OFFLINE	MSNSUP	OFFICER	6	7.27	1.6
OPERATOR	CCS	ENLISTED	6	6.29	1.4
	SPV/FMR/MRA	ENLISTED	12	12.77	4.1
		OFFICER	3	3.64	0.8
	TSE OPER	ENLISTED	21	22.37	8.0
		OFFICER	3	3.64	0.8
		WARRANT	9	9.75	2.3
		Sum	63	68.83	21.7

LT DIV MI BN T.O.#2

POSITION	FUNCTION	GRADE TYPE	FORCE MPWR	FORCE PERS	FORCE GRADS
MAINTAINER	UNDEF	ENLISTED	30	31.25	15.4
OFFLINE	MSNSUP	OFFICER	3	3.64	0.8
		WARRANT	6	6.59	1.3
	UNDEF	ENLISTED	3	3.00	0.0
OPERATOR	CCS	ENLISTED	12	13.11	8.3
	CEI	ENLISTED	51	54.03	25.8
		WARRANT	3	3.22	0.8
	SPV/FMR/MRA	ENLISTED	9	9.57	1.7
		WARRANT	3	3.45	1.3
		Sum	120	127.86	55.3

-- ALL MOS(s) SORTED BY POSITIONS, GRADES AND UTOE --
SUMMARIZED BY FORCE

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
25Q10	OFFLINE	E3	2	2.0	0.0	CTSE CO
			2	2.0	0.0	
33T	MAINTAINER	E3	1	1.1	0.9	ABN MAINT HHS
			2	2.2	1.9	HV CPS MAINT HHS
			15	16.2	14.1	HV DIV MI BN
			9	9.7	8.4	LT DIV MI BN
			27	29.1	25.3	
		E4	1	1.0	0.4	ABN MAINT HHS
			2	2.1	0.8	HV CPS MAINT HHS
			25	25.7	9.6	HV DIV MI BN
			12	12.3	4.6	LT DIV MI BN
			40	41.1	15.3	
		E5	1	1.0	0.3	ABN MAINT HHS
			10	10.3	3.4	HV DIV MI BN
			3	3.1	1.0	LT DIV MI BN
			14	14.4	4.8	
		E6	5	5.1	1.0	HV DIV MI BN
			3	3.1	0.6	LT DIV MI BN
			8	8.2	1.5	
		E7	5	5.1	0.7	HV DIV MI BN
			5	5.1	0.7	
350B	OPERATOR	W2	8	8.4	1.9	ABN CTSE
			16	16.9	3.8	CTSE CO
			24	25.3	5.7	
		W4	10	11.0	1.9	HV DIV HHC
			3	3.3	0.6	LT DIV HHC
			13	14.3	2.5	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
351B	OFFLINE	W2	1	1.1	0.2	ABN CTSE
			1	1.1	0.2	
352C	OFFLINE	W2	5	5.4	1.4	HV DIV MI BN
			3	3.2	0.8	LT DIV MI BN
			8	8.6	2.2	
		W4	2	2.1	0.6	CTAE CO
			2	2.1	0.6	
	OPERATOR	W2	3	3.2	0.8	ABN CTCAE
			3	3.2	0.8	ABN CTSE
			5	5.4	1.4	HV DIV MI BN
			3	3.2	0.8	LT DIV MI BN
			14	15.0	3.9	
		W4	4	4.3	1.1	CTAE CO
			4	4.3	1.1	CTSE CO
			10	10.7	2.9	HV DIV HHC
			6	6.4	1.7	LT DIV HHC
			24	25.8	6.9	
352G	OFFLINE	W2	1	1.1	0.2	ABN CTCAE
			5	5.6	0.8	HV DIV MI BN
			3	3.4	0.5	LT DIV MI BN
			9	10.1	1.4	
	OPERATOR	W4	2	2.2	0.4	CTAE CO
			2	2.2	0.4	
352H	OFFLINE	W2	1	1.1	0.4	ABN CTCAE
			1	1.1	0.4	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
352J	OPERATOR	W2	5	5.7	2.1	HV DIV HHC
			5	5.7	2.1	HV DIV MI BN
			3	3.4	1.3	LT DIV MI BN
			13	14.9	5.5	
		W4	4	4.0	0.6	CTAE CO
			4	4.0	0.6	CTSE CO
			8	8.0	1.1	
35A	OFFLINE	O3	3	3.6	0.8	LT DIV HHC
			3	3.6	0.8	
	OPERATOR	O2	10	12.1	6.9	HV DIV HHC
			10	12.1	6.9	
35B	OPERATOR	O3	2	2.4	0.5	CTSE CO
			2	2.4	0.5	
35C	OFFLINE	O3	5	6.1	1.3	HV DIV HHC
			5	6.1	1.3	
	OPERATOR	O3	1	1.2	0.3	ABN CTSE
			4	4.8	1.1	CTSE CO
			3	3.6	0.8	LT DIV HHC
			8	9.7	2.1	
		O4	1	1.1	0.2	ABN CTSE
			1	1.1	0.2	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
35D	OFFLINE	O3	1	1.2	0.3	ABN CTSE
			4	4.8	1.1	CTAE CO
			3	3.6	0.8	LT DIV HHC
			8	9.7	2.1	
		O4	1	1.1	0.2	ABN CTSE
			2	2.3	0.5	CTSE CO
			5	5.7	1.2	HV DIV HHC
			8	9.1	1.9	
		O5	1	1.1	0.3	ABN CTSE
			2	2.2	0.6	CTSE CO
			3	3.3	0.9	
	OPERATOR	O3	4	4.8	1.1	ABN CTSE
			6	7.3	1.6	CTSE CO
			5	6.1	1.3	HV DIV HHC
			15	18.2	3.9	
		O4	2	2.3	0.5	ABN CTSE
			2	2.3	0.5	CTSE CO
			4	4.6	0.9	
35E	OPERATOR	O3	2	2.4	0.5	CTSE CO
			2	2.4	0.5	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
35G	OFFLINE	O3	5	6.1	1.3	HV DIV HHC
			3	3.6	0.8	LT DIV MI BN
			8	9.7	2.1	
		O4	1	1.1	0.2	ABN CTCAE
			2	2.3	0.5	CTSE CO
			5	5.7	1.2	HV DIV MI BN
			8	9.1	1.9	
	OPERATOR	O3	1	1.2	0.3	ABN CTSE
			10	12.1	2.6	CTSE CO
			5	6.1	1.3	HV DIV HHC
			3	3.6	0.8	LT DIV HHC
			19	23.0	5.0	
52C	MAINTAINER	E4	1	1.0	0.4	ABN MAINT HHS
			2	2.1	0.9	HV CPS MAINT HHS
			3	3.1	1.3	
52D	MAINTAINER	E4	2	2.0	0.7	HV CPS MAINT HHS
			2	2.0	0.7	
		E5	1	1.0	0.2	ABN MAINT HHS
			1	1.0	0.2	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
63B	MAINTAINER	E3	2	2.1	1.8	HV CPS MAINT HHS
			3	3.1	2.7	LT DIV HHC
			5	5.2	4.6	
		E4	5	5.1	1.9	HV DIV HHC
			5	5.1	1.9	HV DIV MI BN
			10	10.3	3.9	
		E5	1	1.0	0.2	ABN MAINT HHS
			3	3.1	0.7	LT DIV MI BN
			4	4.1	1.0	
71L10	OFFLINE	E4	2	2.0	0.0	ABN CTCAE
			2	2.0	0.0	ABN CTSE
			8	8.0	0.0	CTAE CO
			6	6.0	0.0	CTSE CO
			10	10.0	0.0	HV DIV HHC
			15	15.0	0.0	HV DIV MI BN
			3	3.0	0.0	LT DIV MI BN
			46	46.0	0.0	
71L20	OFFLINE	E5	2	2.0	0.0	CTSE CO
			2	2.0	0.0	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
96B10	OPERATOR	E3	4	4.6	4.3	ABN CTSE
			12	13.7	13.0	CTSE CO
			15	17.1	16.3	HV DIV HHC
			5	5.7	5.4	HV DIV MI BN
			3	3.4	3.3	LT DIV HHC
			39	44.5	42.3	
		E4	3	3.1	2.0	ABN CTSE
			4	4.1	2.6	CTAE CO
			10	10.3	6.5	CTSE CO
			15	15.4	9.8	HV DIV HHC
			5	5.1	3.3	HV DIV MI BN
			6	6.2	3.9	LT DIV HHC
			3	3.1	2.0	LT DIV MI BN
			46	47.3	30.0	
96B20	OPERATOR	E4	5	5.1	3.3	HV DIV HHC
			5	5.1	3.3	
		E5	3	3.1	0.8	ABN CTSE
			4	4.1	1.1	CTAE CO
			6	6.2	1.6	CTSE CO
			5	5.2	1.3	HV DIV HHC
			5	5.2	1.3	HV DIV MI BN
			6	6.2	1.6	LT DIV HHC
			3	3.1	0.8	LT DIV MI BN
			32	33.1	8.5	
96B30	OPERATOR	E6	1	1.0	0.2	ABN CTSE
			4	4.2	0.7	CTSE CO
			5	5.2	0.9	HV DIV HHC
			6	6.3	1.1	LT DIV HHC
			16	16.7	2.8	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
96B40	OPERATOR	E7	1	1.1	0.1	ABN CTSE
			10	10.5	1.5	HV DIV HHC
			5	5.3	0.7	HV DIV MI BN
			16	16.9	2.4	
96B50	OPERATOR	E8	2	2.2	0.6	ABN CTSE
			2	2.2	0.6	CTSE CO
			4	4.5	1.2	
96D10	OPERATOR	E3	1	1.1	1.0	ABN CTSE
			2	2.2	2.0	CTAE CO
			3	3.3	3.0	
		E4	4	4.2	2.6	CTAE CO
			4	4.2	2.6	
96D20	OPERATOR	E5	2	2.1	0.8	ABN CTSE
			2	2.1	0.8	CTAE CO
			2	2.1	0.8	CTSE CO
			6	6.3	2.3	
96D30	OPERATOR	E6	1	1.1	0.2	ABN CTSE
			2	2.1	0.4	CTSE CO
			3	3.2	0.5	
96D40	OPERATOR	E7	5	5.6	0.9	HV DIV HHC
			3	3.4	0.5	LT DIV HHC
			8	9.0	1.5	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
96R40	OFFLINE	E7	5	5.6	1.6	HV DIV HHC
			5	5.6	1.6	
	OPERATOR	E7	3	3.4	1.0	LT DIV HHC
			3	3.4	1.0	
97B20	OFFLINE	E5	1	1.1	0.3	ABN CTSE
			1	1.1	0.3	
97B30	OFFLINE	E6	1	1.0	0.2	ABN CTSE
			1	1.0	0.2	
98C10	OPERATOR	E3	5	5.7	4.7	ABN CTCAE
			1	1.1	0.9	ABN CTSE
			4	4.6	3.8	CTAE CO
			30	34.1	28.3	HV DIV MI BN
			15	17.1	14.2	LT DIV MI BN
			55	62.6	52.0	
		E4	7	7.3	3.9	ABN CTCAE
			3	3.1	1.7	ABN CTSE
			16	16.6	9.0	CTAE CO
			4	4.2	2.2	CTSE CO
			10	10.4	5.6	HV DIV HHC
			25	26.0	14.0	HV DIV MI BN
			12	12.5	6.7	LT DIV MI BN
			77	80.0	43.1	
98C1L	OPERATOR	E4	8	8.3	4.5	CTAE CO
			8	8.3	4.5	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98C20	OPERATOR	E5	9	9.5	2.9	ABN CTCAE
			3	3.2	1.0	ABN CTSE
			5	5.3	1.6	HV DIV HHC
			25	26.4	8.1	HV DIV MI BN
			3	3.2	1.0	LT DIV HHC
			3	3.2	1.0	LT DIV MI BN
			48	50.7	15.5	
		E6	2	2.1	0.3	CTAE CO
			2	2.1	0.3	
98C2L	OPERATOR	E4	2	2.1	1.1	CTAE CO
			2	2.1	1.1	
		E5	12	12.7	3.9	CTAE CO
			4	4.2	1.3	CTSE CO
			6	6.3	1.9	LT DIV MI BN
			22	23.2	7.1	
98C30	OPERATOR	E6	1	1.0	0.1	ABN CTCAE
			5	5.2	0.7	HV DIV MI BN
			6	6.2	0.9	LT DIV HHC
			3	3.1	0.4	LT DIV MI BN
			15	15.6	2.2	
98C3L	OPERATOR	E6	2	2.1	0.3	ABN CTCAE
			6	6.2	0.9	CTAE CO
			2	2.1	0.3	CTSE CO
			10	10.4	1.4	HV DIV MI BN
			3	3.1	0.4	LT DIV MI BN
			23	23.9	3.3	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98C40	OPERATOR	E7	1	1.1	0.2	ABN CTCAE
			1	1.1	0.2	ABN CTSE
			2	2.1	0.3	CTAE CO
			2	2.1	0.3	CTSE CO
			5	5.3	0.8	HV DIV MI BN
			11	11.7	1.7	
98C4L	OPERATOR	E7	2	2.1	0.3	CTAE CO
			2	2.1	0.3	
98G1L	OPERATOR	E4	3	3.1	2.2	ABN CTCAE
			5	5.2	3.6	HV DIV MI BN
			3	3.1	2.2	LT DIV MI BN
			11	11.5	7.9	
98G2L	OPERATOR	E5	2	2.1	0.9	ABN CTCAE
			10	10.4	4.5	HV DIV MI BN
			6	6.3	2.7	LT DIV MI BN
			18	18.8	8.0	
98G3L	OPERATOR	E6	2	2.1	0.3	ABN CTCAE
			2	2.1	0.3	
98G4L	OPERATOR	E7	3	3.1	0.4	LT DIV MI BN
			3	3.1	0.4	
98H20	OPERATOR	E5	1	1.0	0.4	ABN CTCAE
			5	5.2	1.8	HV DIV MI BN
			6	6.2	2.1	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98J10	OPERATOR	E3	8	8.3	7.2	CTAE CO
			5	5.2	4.5	HV DIV MI BN
			13	13.5	11.8	
		E4	16	16.4	7.1	CTAE CO
			4	4.1	1.8	CTSE CO
			25	25.6	11.1	HV DIV MI BN
			3	3.1	1.3	LT DIV MI BN
			48	49.2	21.4	
98J20	OPERATOR	E5	8	8.4	1.2	CTAE CO
			2	2.1	0.3	CTSE CO
			10	10.5	1.5	HV DIV MI BN
			3	3.1	0.5	LT DIV MI BN
			23	24.1	3.5	
98J30	OPERATOR	E6	2	2.1	0.3	CTAE CO
			2	2.1	0.3	CTSE CO
			5	5.3	0.8	HV DIV MI BN
			3	3.2	0.5	LT DIV MI BN
			12	12.8	1.8	
98J40	OPERATOR	E7	2	2.1	0.2	CTAE CO
			2	2.1	0.2	CTSE CO
			10	10.7	1.2	HV DIV HHC
			3	3.2	0.4	LT DIV HHC
			17	18.1	2.0	

-- ALL MOS(s), POSITIONS, GRADES AND UTOE BY FORCE --

ALTERNATIVE	ALTE ID
T.O.#2	61

MOS	POSITION	GRADE	MPWR	PERSONNEL	RQD GRADS	UTOE ID
98Z50	OPERATOR	E8	1	1.1	0.3	ABN CTCAE
			2	2.2	0.6	CTAE CO
			3	3.3	0.9	LT DIV MI BN
			6	6.6	1.7	
		E9	1	1.1	0.5	ABN CTSE
			2	2.2	1.0	CTSE CO
			5	5.5	2.4	HV DIV MI BN
			8	8.8	3.8	

-- TRAINING ALTERNATIVES --

-- TRAINING ALTERNATIVES --

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#2

Base Course Number 1023310

Scenario Description	33T(CURR+NSG)	33T(CURR,OCS4)	33T(CURR+OP,OCS4)
Scenario Number	90	91	92
Predecessor Grads	0.00	0.00	0.00
Current Grads	141	141	141
New System Grads	47.70	47.70	47.70
Attrition Rate	.21	.21	.21
Course Length In Hours	1413	1413	1733
Instructor Contact Hours	2705	2705	3163
Normalized Grads	122	123	123
Optimum Class Size	8	4	4
Cost Per Grad	$91,946	$99,404	$109,014
System Specific Cost	$4,385,802	$4,741,569	$5,199,949
Total Course Cost	$17,350,123	$18,757,530	$20,570,866
System Instructors	17.98	34.40	39.70
Total Instructors	63.78	117.66	135.03

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#2

Base Course Number 243-96B10

Scenario Description	WCGEN(AUG 89)	WCGEN(CURR, OCS12)	WCGEN(CURR+OP,OCS12)
Scenario Number	66	67	68
Predecessor Grads	87.60	87.60	87.60
Current Grads	527	527	527
New System Grads	87.60	87.60	87.60
Attrition Rate	.22	.22	.22
Course Length In Hours	530	530	770
Instructor Contact Hours	1241	635	1538.97
Normalized Grads	643	643	643
Optimum Class Size	36	12	12
Cost Per Grad	$15,459	$16,466	$24,605
System Specific Cost	$1,354,172	$1,442,383	$2,155,362
Total Course Cost	$8,146,676	$8,677,348	$12,966,621
System Instructors	3.57	5.44	12.88
Total Instructors	20.37	30.43	67.90

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#2

Base Course Number 243-96B10

Scenario Description	CEIEN(DRAFT)	CEIEN(CURR,OCS12)	CEIEN(CURR+OP,OCS12)
Scenario Number	84	85	86
Predecessor Grads	182.20	182.20	182.20
Current Grads	527	527	527
New System Grads	182.20	182.20	182.20
Attrition Rate	.22	.22	.22
Course Length In Hours	530	530	730
Instructor Contact Hours	1241	635	1388.15
Normalized Grads	643	643	643
Optimum Class Size	36	12	12
Cost Per Grad	$15,459	$16,466	$23,247
System Specific Cost	$2,816,555	$3,000,024	$4,235,670
Total Course Cost	$8,146,676	$8,677,348	$12,251,363
System Instructors	7.33	11.12	23.43
Total Instructors	20.37	30.43	61.94

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#2

Base Course Number 243-96B20

Scenario Description	SPVEN(DRAFT)	SPVEN(CURR,OCS12)	SPVEN(CURR+OP,OCS12)
Scenario Number	75	76	77
Predecessor Grads	27.50	27.50	27.50
Current Grads	190	190	190
New System Grads	27.50	27.50	27.50
Attrition Rate	.01	.01	.01
Course Length In Hours	248	248	648
Instructor Contact Hours	324	324	1404
Normalized Grads	210	210	210
Optimum Class Size	20	12	12
Cost Per Grad	$8,788	$9,423	$24,104
System Specific Cost	$241,670	$259,143	$662,854
Total Course Cost	$1,669,717	$1,790,446	$4,579,719
System Instructors	0.42	0.70	3.00
Total Instructors	2.87	4.75	19.68

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#2

Base Course Number 3-30-C22

Scenario Description	SPVOF(OCT 89)	SPVOF(CURR,OCS12)	SPVOF(CURR+OP,OCS12)
Scenario Number	81	82	83
Predecessor Grads	31.20	31.20	31.20
Current Grads	644	644	644
New System Grads	31.20	31.20	31.20
Attrition Rate	.02	.02	.02
Course Length In Hours	412	412	812
Instructor Contact Hours	1210.1	1210.1	2290.1
Normalized Grads	445	445	445
Optimum Class Size	60	12	12
Cost Per Grad	$20,091	$24,000	$42,585
System Specific Cost	$626,840	$748,814	$1,328,646
Total Course Cost	$12,938,629	$15,456,280	$27,424,609
System Instructors	0.60	2.96	5.56
Total Instructors	11.89	53.43	94.17

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#2

Base Course Number 3-30-C32

Scenario Description	SPVWO(OCT 89)	SPVWO(CURR,OCS12)	SPVWO(CURR+OP,OCS12)
Scenario Number	78	79	80
Predecessor Grads	30.80	30.80	30.80
Current Grads	69	69	69
New System Grads	30.80	30.80	30.80
Attrition Rate	.01	.01	.01
Course Length In Hours	197	197	597
Instructor Contact Hours	363.5	363.5	1443.5
Normalized Grads	65	65	65
Optimum Class Size	36	12	12
Cost Per Grad	$8,841	$9,675	$25,883
System Specific Cost	$272,296	$297,989	$797,209
Total Course Cost	$610,015	$667,573	$1,785,955
System Instructors	0.29	0.88	3.45
Total Instructors	0.65	1.96	7.62

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#2

Base Course Number 610-63B10

Scenario Description	63B (CURR)	63B (CURR+ASAS MECH)
Scenario Number	105	106
Predecessor Grads	0.00	0.00
Current Grads	3252	3260
New System Grads	0.00	9.50
Attrition Rate	.07	.07
Course Length In Hours	442	442
Instructor Contact Hours	1959.9	1959.9
Normalized Grads	3252	3252
Optimum Class Size	50	50
Cost Per Grad	$10,503	$10,503
System Specific Cost	$0	$99,778
Total Course Cost	$34,155,631	$34,339,433
System Instructors	0.00	0.37
Total Instructors	101.83	102.32

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#2

Base Course Number 662-52C10

Scenario Description	52C (CURR)	52C (CURR+ASAS MECH)
Scenario Number	107	108
Predecessor Grads	0.00	0.00
Current Grads	315	321
New System Grads	0.00	1.30
Attrition Rate	.04	.04
Course Length In Hours	659	659
Instructor Contact Hours	2954	2954
Normalized Grads	315	315
Optimum Class Size	21	21
Cost Per Grad	$20,033	$20,033
System Specific Cost	$0	$26,043
Total Course Cost	$6,310,427	$6,456,669
System Instructors	0.00	0.18
Total Instructors	38.49	39.31

-- TRAINING ALTERNATIVES --

ALTERNATIVE T.O.#2

Base Course Number 662-52D10

Scenario Description	52D (CURR)	52D (CURR+ASAS MECH)
Scenario Number	109	110
Predecessor Grads	0.00	0.00
Current Grads	1635	1635
New System Grads	0.00	0.90
Attrition Rate	.03	.03
Course Length In Hours	412	412
Instructor Contact Hours	1762	1762
Normalized Grads	643	643
Optimum Class Size	32	32
Cost Per Grad	$11,855	$11,855
System Specific Cost	$0	$10,670
Total Course Cost	$19,383,266	$19,393,936
System Instructors	0.00	0.05
Total Instructors	72.17	72.21

-- TRAINING DELTAS --

-- TRAINING DELTAS --

ALTERNATIVE T.O.#2

BASE COURSE NUMBER 1023310

MINUEND	92	91	92
SUBTRAHEND	90	90	91
SCENARIO A	92	91	92
SCENARIO B	90	90	91
SCEN A DESC	33T(CURR+OP,OCS4)	33T(CURR,OCS4)	33T(CURR+OP,OCS4)
SCEN B DESC	33T(CURR+NSG)	33T(CURR+NSG)	33T(CURR,OCS4)
ATTRITION	0	0	0
COURSE LENGTH	320	0	320
OPTIMUM CLASS SIZE	-4	-4	0
INSTR CONTACT HOURS	458	0	458
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	1	1	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$17,068	$7,458	$9,610
SYSTEM SPECIFIC COST	$814,146	$355,767	$458,379
TOTAL COURSE COST	$3,220,743	$1,407,407	$1,813,336
SYSTEM INSTRUCTORS	21.72	16.42	5.30
TOTAL INSTRUCTORS	71.25	53.88	17.37

-- TRAINING DELTAS --

ALTERNATIVE T.O.#2

BASE COURSE NUMBER 243-96B10

MINUEND	67	68	68
SUBTRAHEND	66	66	67
SCENARIO A	67	68	68
SCENARIO B	66	66	67
SCEN A DESC	WCGEN(CURR, OCS12)	WCGEN(CURR+OP,OCS12)	WCGEN(CURR+OP,OCS12)
SCEN B DESC	WCGEN(AUG 89)	WCGEN(AUG 89)	WCGEN(CURR, OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	240	240
OPTIMUM CLASS SIZE	-24	-24	0
INSTR CONTACT HOURS	-606	298.0	904.0
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$1,007	$9,146	$8,139
SYSTEM SPECIFIC COST	$88,210	$801,190	$712,980
TOTAL COURSE COST	$530,672	$4,819,946	$4,289,274
SYSTEM INSTRUCTORS	1.87	9.31	7.44
TOTAL INSTRUCTORS	10.06	47.53	37.47

-- TRAINING DELTAS --

ALTERNATIVE T.O.#2

BASE COURSE NUMBER 243-96B10

MINUEND	85	86	86
SUBTRAHEND	84	84	85
SCENARIO A	85	86	86
SCENARIO B	84	84	85
SCEN A DESC	CEIEN(CURR,OCS12)	CEIEN(CURR+OP,OCS12)	CEIEN(CURR+OP,OCS12)
SCEN B DESC	CEIEN(DRAFT)	CEIEN(DRAFT)	CEIEN(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	200	200
OPTIMUM CLASS SIZE	-24	-24	0
INSTR CONTACT HOURS	-606	147.2	753.2
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$1,007	$7,789	$6,782
SYSTEM SPECIFIC COST	$183,470	$1,419,116	$1,235,646
TOTAL COURSE COST	$530,672	$4,104,687	$3,574,015
SYSTEM INSTRUCTORS	3.79	16.10	12.31
TOTAL INSTRUCTORS	10.06	41.57	31.51

-- TRAINING DELTAS --

ALTERNATIVE T.O.#2

BASE COURSE NUMBER 243-96B20

MINUEND	76	77	77
SUBTRAHEND	75	75	76
SCENARIO A	76	77	77
SCENARIO B	75	75	76
SCEN A DESC	SPVEN(CURR,OCS12)	SPVEN(CURR+OP,OCS12)	SPVEN(CURR+OP,OCS12)
SCEN B DESC	SPVEN(DRAFT)	SPVEN(DRAFT)	SPVEN(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	400	400
OPTIMUM CLASS SIZE	-8	-8	0
INSTR CONTACT HOURS	0	1080	1080
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$635	$15,316	$14,680
SYSTEM SPECIFIC COST	$17,474	$421,185	$403,711
TOTAL COURSE COST	$120,729	$2,910,002	$2,789,274
SYSTEM INSTRUCTORS	0.28	2.58	2.30
TOTAL INSTRUCTORS	1.88	16.81	14.93

-- TRAINING DELTAS --

ALTERNATIVE T.O.#2

BASE COURSE NUMBER 3-30-C22

MINUEND	82	83	83
SUBTRAHEND	81	81	82
SCENARIO A	82	83	83
SCENARIO B	81	81	82
SCEN A DESC	SPVOF(CURR,OCS12)	SPVOF(CURR+OP,OCS12)	SPVOF(CURR+OP,OCS12)
SCEN B DESC	SPVOF(OCT 89)	SPVOF(OCT 89)	SPVOF(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	400	400
OPTIMUM CLASS SIZE	-48	-48	0
INSTR CONTACT HOURS	0	1080	1080
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$3,909	$22,494	$18,584
SYSTEM SPECIFIC COST	$121,973	$701,805	$579,832
TOTAL COURSE COST	$2,517,651	$14,485,980	$11,968,329
SYSTEM INSTRUCTORS	2.36	4.96	2.60
TOTAL INSTRUCTORS	41.54	82.28	40.74

-- TRAINING DELTAS --

ALTERNATIVE T.O.#2

BASE COURSE NUMBER 3-30-C32

MINUEND	79	80	80
SUBTRAHEND	78	78	79
SCENARIO A	79	80	80
SCENARIO B	78	78	79
SCEN A DESC	SPVWO(CURR,OCS12)	SPVWO(CURR+OP,OCS12)	SPVWO(CURR+OP,OCS12)
SCEN B DESC	SPVWO(OCT 89)	SPVWO(OCT 89)	SPVWO(CURR,OCS12)
ATTRITION	0	0	0
COURSE LENGTH	0	400	400
OPTIMUM CLASS SIZE	-24	-24	0
INSTR CONTACT HOURS	0	1080	1080
CURRENT GRADS	0	0	0
NEW SYSTEM GRADS	0	0	0
NORMALIZED GRADS	0	0	0
PREDECESSOR GRADS	0	0	0
COST PER GRAD	$834	$17,043	$16,208
SYSTEM SPECIFIC COST	$25,693	$524,912	$499,220
TOTAL COURSE COST	$57,558	$1,175,940	$1,118,382
SYSTEM INSTRUCTORS	0.59	3.16	2.57
TOTAL INSTRUCTORS	1.31	6.97	5.66

-- TRAINING DELTAS --

ALTERNATIVE	T.O.#2
BASE COURSE NUMBER	610-63B10
MINUEND	106
SUBTRAHEND	105
SCENARIO A	106
SCENARIO B	105
SCEN A DESC	63B (CURR+ASAS MECH)
SCEN B DESC	63B (CURR)
ATTRITION	0
COURSE LENGTH	0
OPTIMUM CLASS SIZE	0
INSTR CONTACT HOURS	0
CURRENT GRADS	8
NEW SYSTEM GRADS	9.5
NORMALIZED GRADS	0
PREDECESSOR GRADS	0
COST PER GRAD	$0
SYSTEM SPECIFIC COST	$99,778
TOTAL COURSE COST	$183,802
SYSTEM INSTRUCTORS	0.37
TOTAL INSTRUCTORS	0.49

-- TRAINING DELTAS --

ALTERNATIVE	T.O.#2
BASE COURSE NUMBER	662-52C10
MINUEND	108
SUBTRAHEND	107
SCENARIO A	108
SCENARIO B	107
SCEN A DESC	52C (CURR+ASAS MECH)
SCEN B DESC	52C (CURR)
ATTRITION	0
COURSE LENGTH	0
OPTIMUM CLASS SIZE	0
INSTR CONTACT HOURS	0
CURRENT GRADS	6
NEW SYSTEM GRADS	1.3
NORMALIZED GRADS	0
PREDECESSOR GRADS	0
COST PER GRAD	$0
SYSTEM SPECIFIC COST	$26,043
TOTAL COURSE COST	$146,242
SYSTEM INSTRUCTORS	0.18
TOTAL INSTRUCTORS	0.82

-- TRAINING DELTAS --

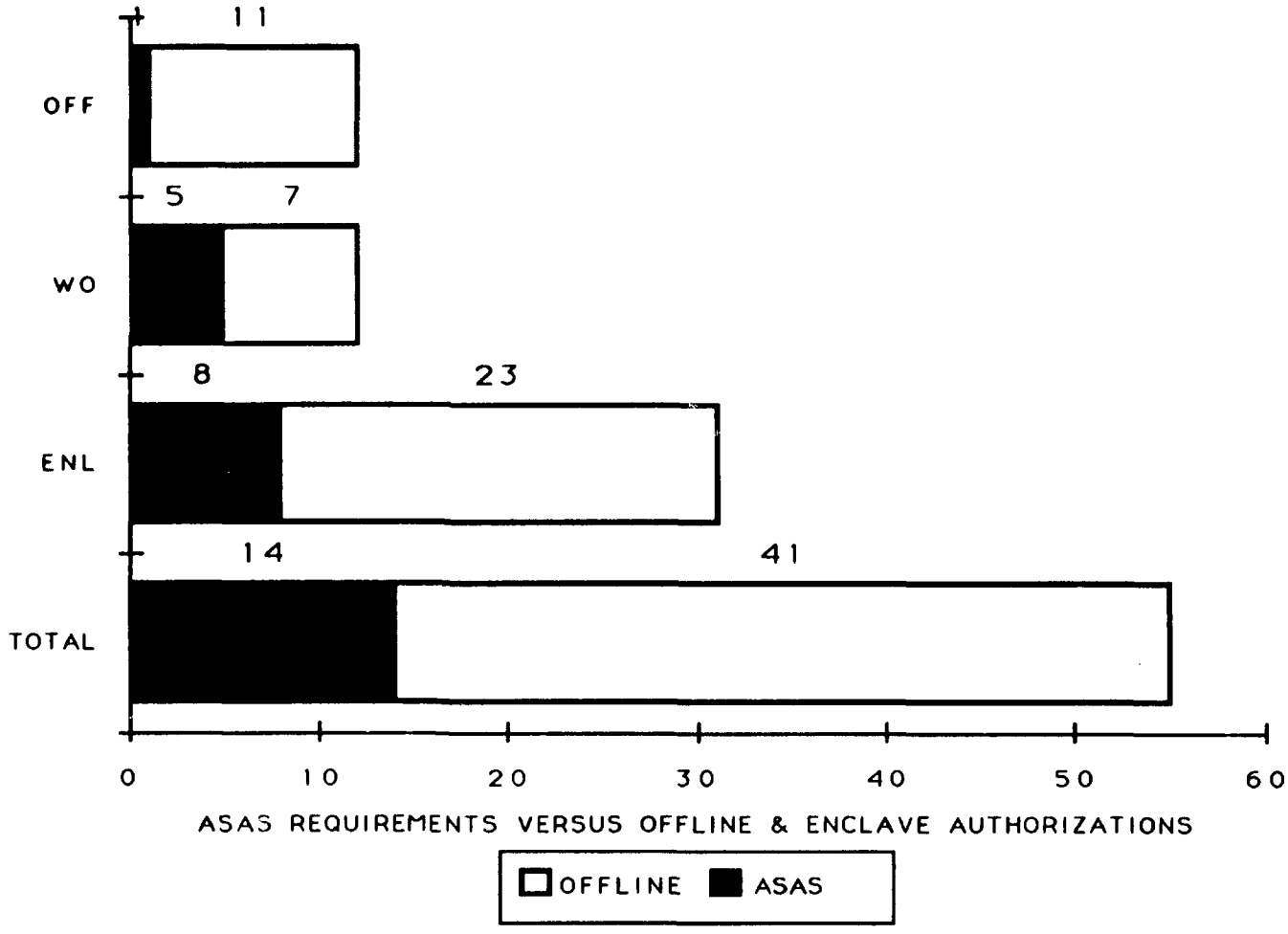
ALTERNATIVE	T.O.#2
BASE COURSE NUMBER	662-52D10
MINUEND	110
SUBTRAHEND	109
SCENARIO A	110
SCENARIO B	109
SCEN A DESC	52D (CURR+ASAS MECH)
SCEN B DESC	52D (CURR)
ATTRITION	0
COURSE LENGTH	0
OPTIMUM CLASS SIZE	0
INSTR CONTACT HOURS	0
CURRENT GRADS	0
NEW SYSTEM GRADS	.9
NORMALIZED GRADS	0
PREDECESSOR GRADS	0
COST PER GRAD	$0
SYSTEM SPECIFIC COST	$10,670
TOTAL COURSE COST	$10,670
SYSTEM INSTRUCTORS	0.05
TOTAL INSTRUCTORS	0.04

Appendix Q

Additional Manpower/Personnel Impacts Figures
(Section 6)

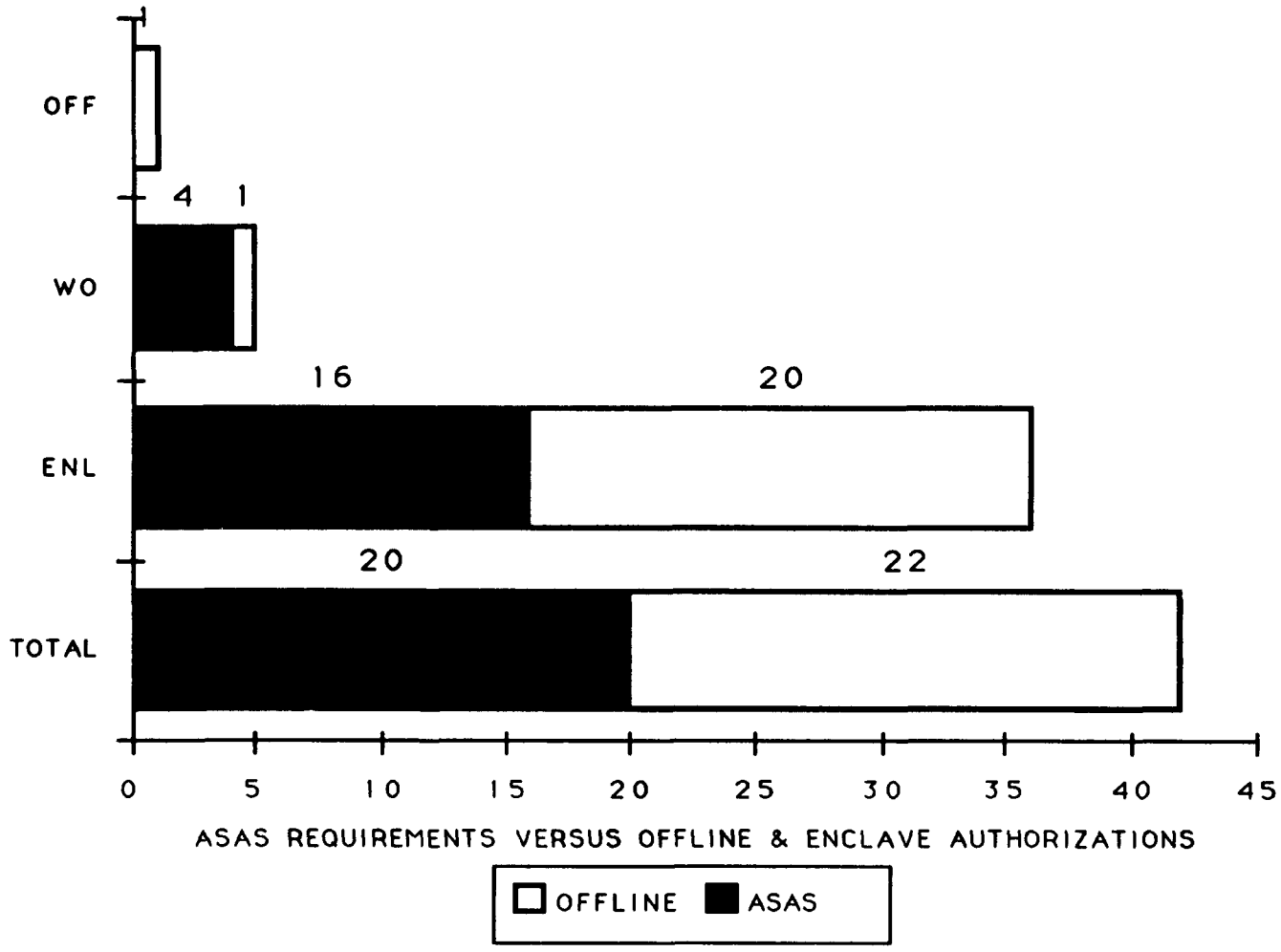
ENCLAVE MANPOWER IMPACTS
AIRBORNE CORPS TSE ENCLAVE

THE AIRBORNE CORPS TSE ENCLAVE CONSISTS OF THE COLLECTION MANAGEMENT AND DISSEMINATION SECTION AND THE ALL SOURCE PRODUCTION SECTION



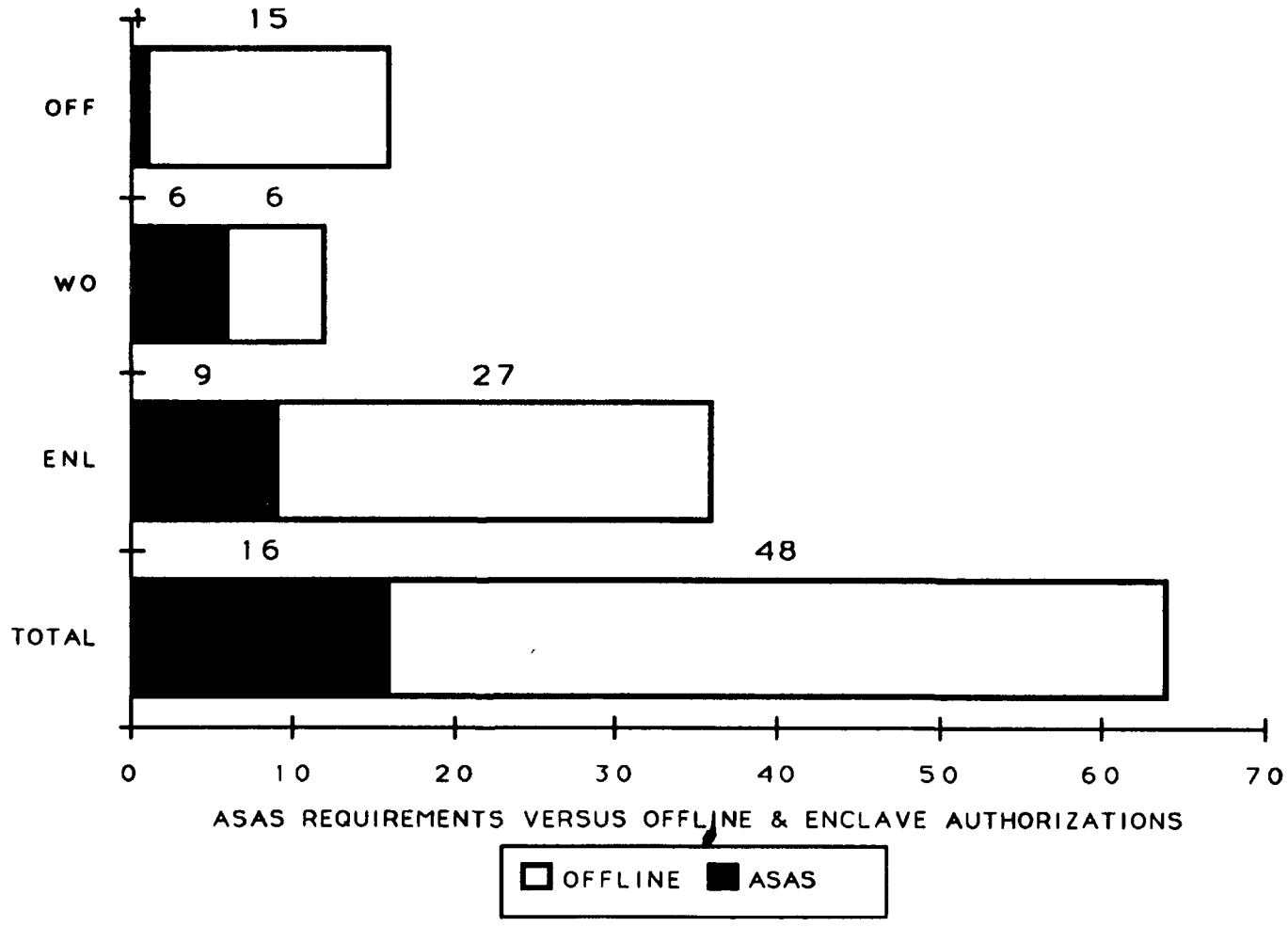
ENCLAVE MANPOWER IMPACTS
AIRBORNE CORPS TCAE ENCLAVE

THE AIRBORNE CORPS TCAE ENCLAVE CONSISTS OF THE PROCESSING AND ANALYSIS SECTION, MISSION CONTROL SECTION, AND SIGINT REPORTING SECTION



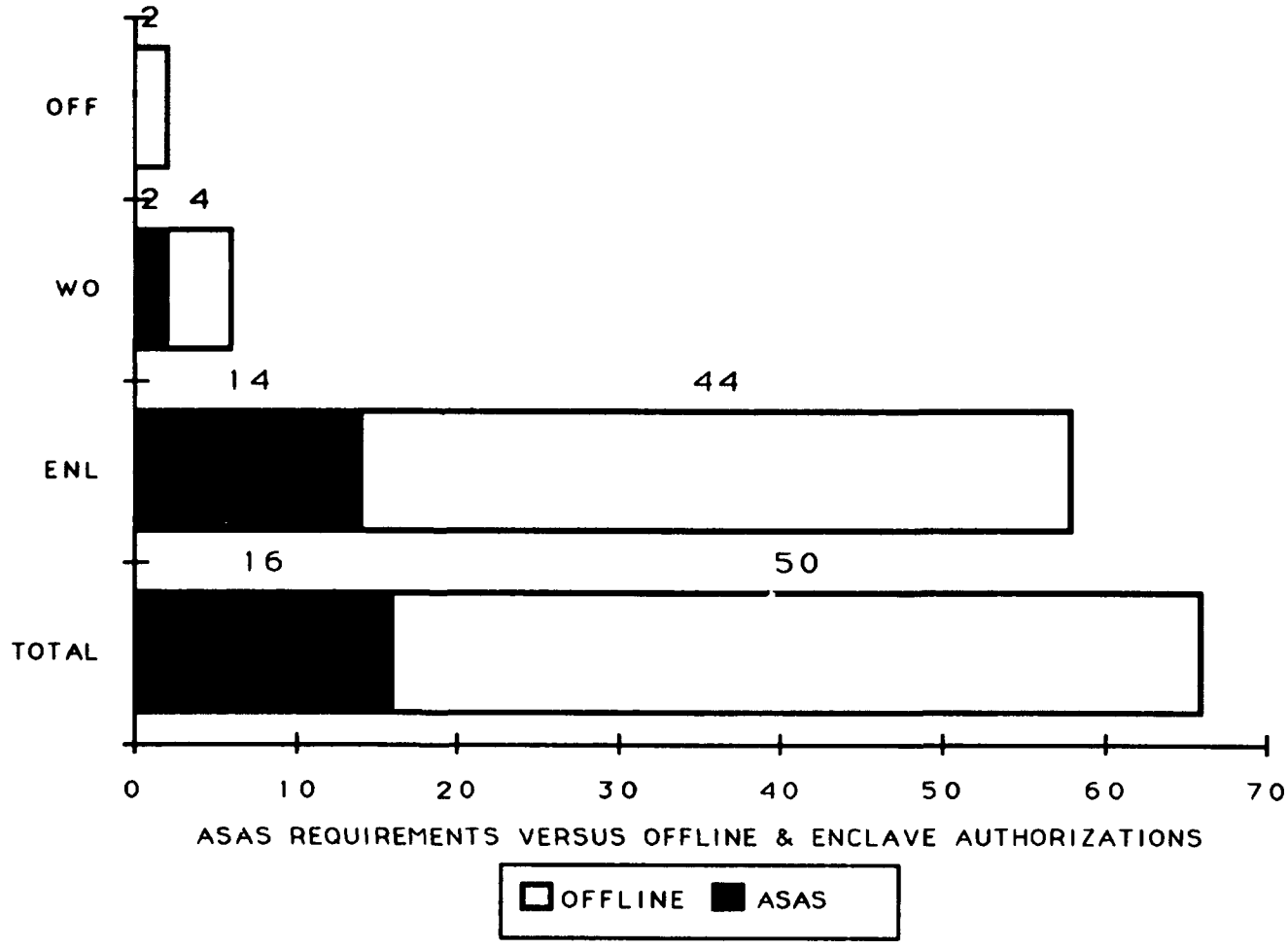
ENCLAVE MANPOWER IMPACTS
HEAVY CORPS TSE ENCLAVE

THE HEAVY CORPS TSE ENCLAVE CONSISTS OF THE COLLECTION MANAGEMENT AND DISSEMINATION SECTION AND THE ALL SOURCE PRODUCTION SECTION



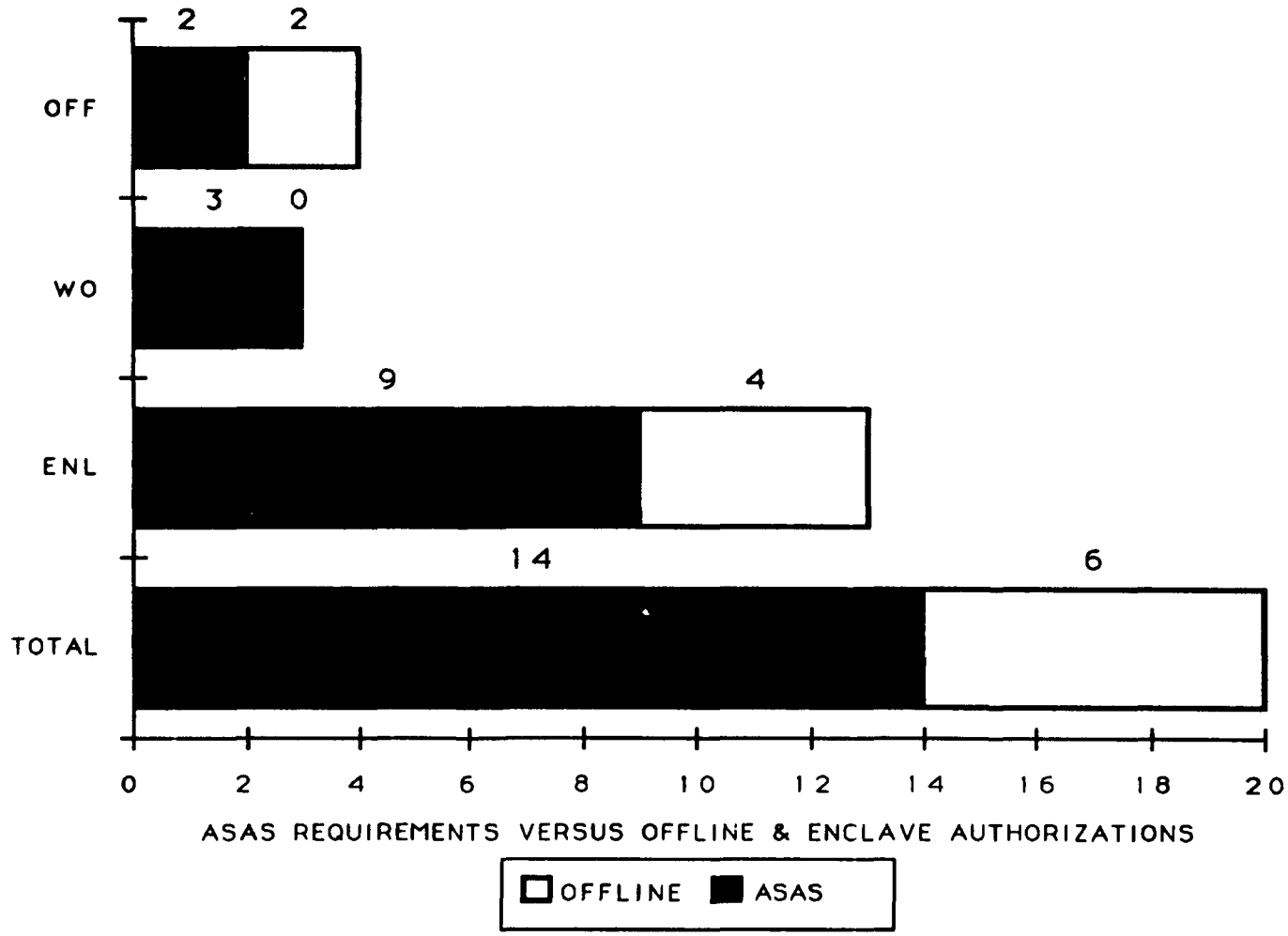
ENCLAVE MANPOWER IMPACTS
HEAVY CORPS TCAE ENCLAVE

THE HEAVY CORPS TCAE ENCLAVE CONSISTS OF THE TCAE/MISSION MANAGEMENT SECTION, SIGINT INTEGRATION AND REPORTING SECTION, ELINT ANALYSIS TEAM, AND TRAFFIC ANALYSIS TEAM



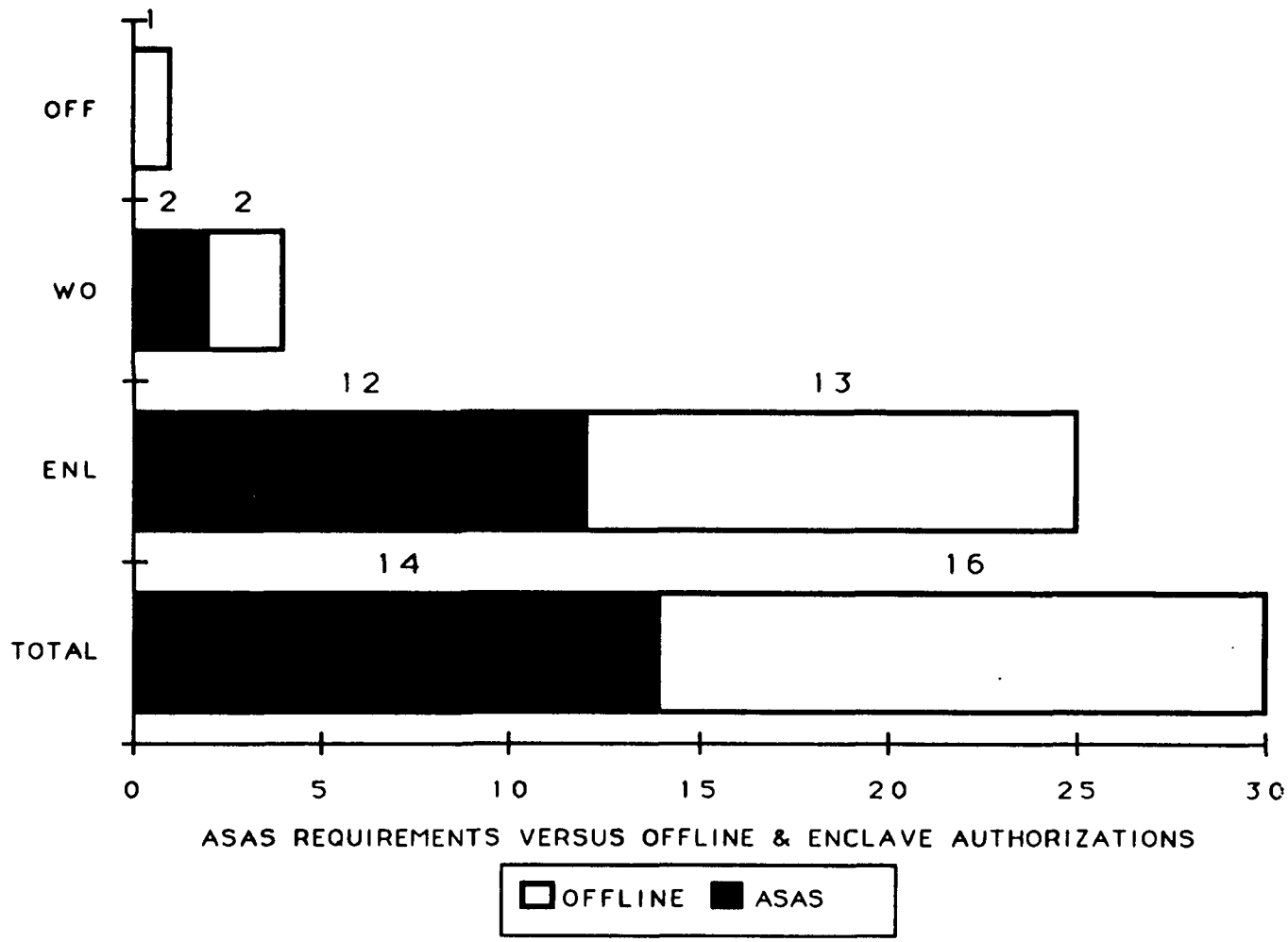
ENCLAVE MANPOWER IMPACTS
LIGHT DIVISION TSE ENCLAVE

THE LIGHT DIVISION TSE ENCLAVE CONSISTS OF THE DTOC COLLECTION MANAGEMENT AND DISSEMINATION SECTION, AND THE ALL SOURCE INTELLIGENCE SECTION



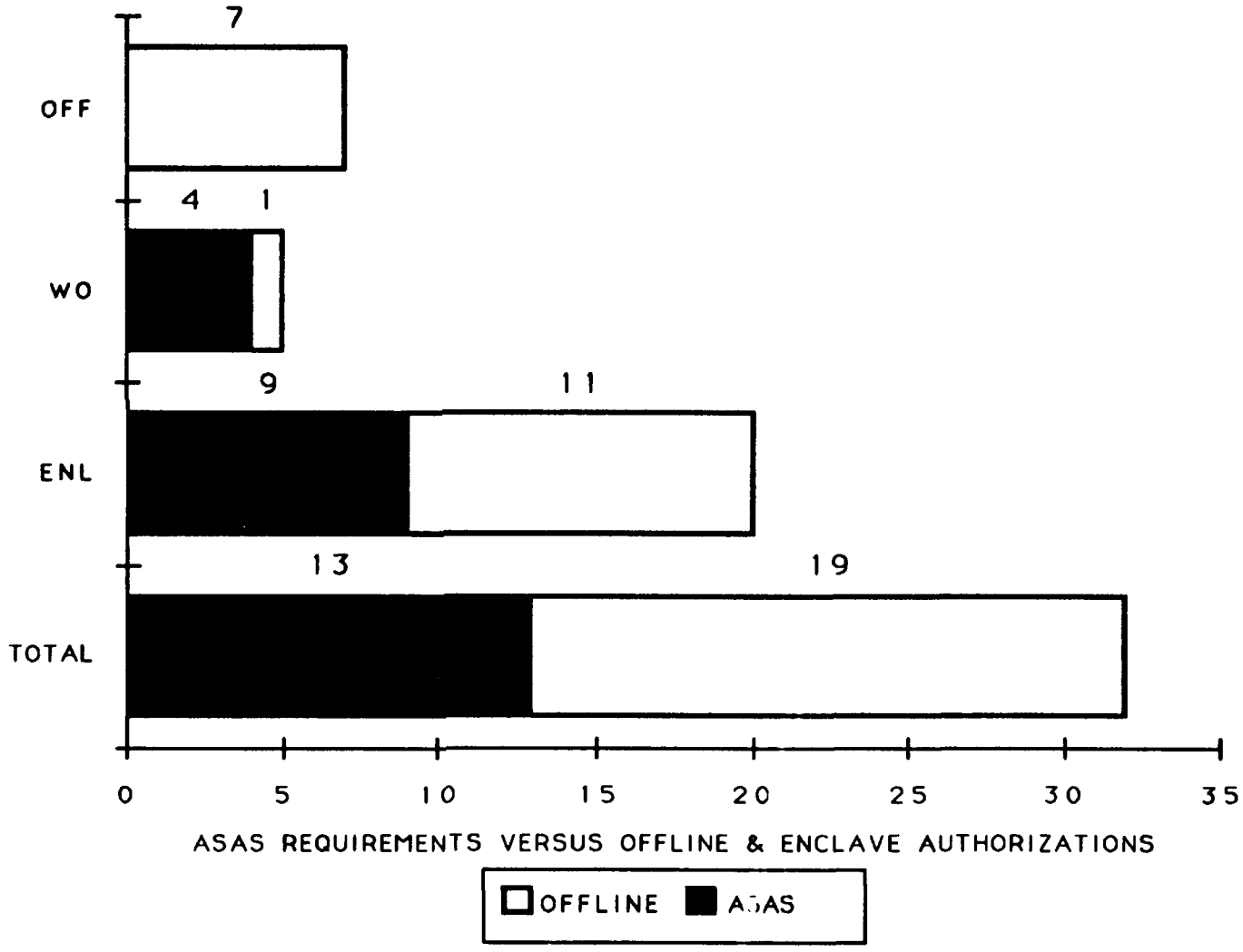
ENCLAVE MANPOWER IMPACTS
LIGHT DIVISION TCAE ENCLAVE

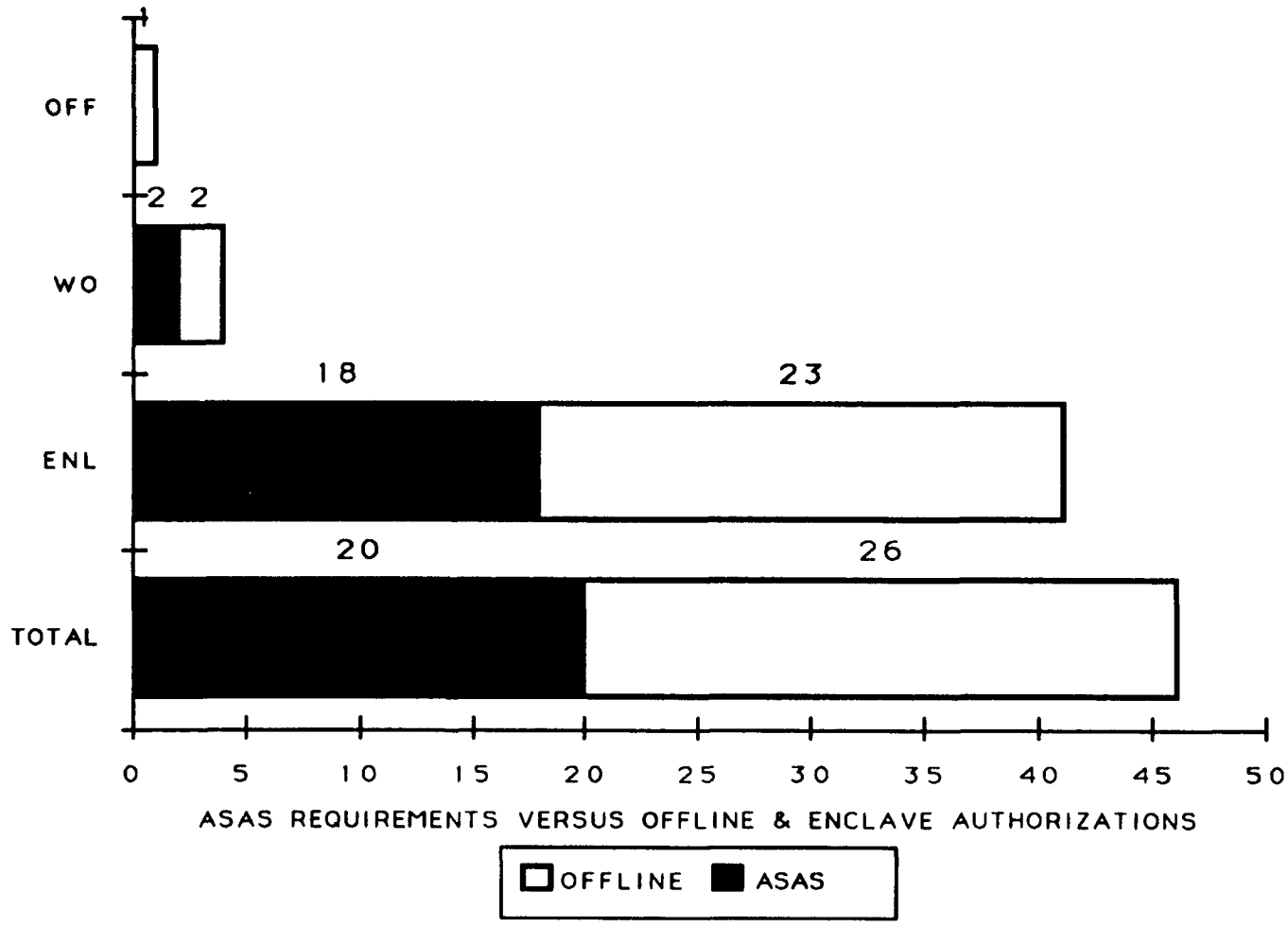
THE LIGHT DIVISION TCAE ENCLAVE CONSISTS OF THE TCAE OPERATIONS SECTION AND THE OPERATIONS SUPPORT SECTION



ENCLAVE MANPOWER IMPACTS
HEAVY DIVISION TSE ENCLAVE

THE HEAVY DIVISION TSE ENCLAVE CONSISTS OF THE DTOC ALL SOURCE PRODUCTION SECTION AND THE COLLECTION MANAGEMENT AND DISSEMINATION SECTION



ENCLAVE MANPOWER IMPACTS
HEAVY DIVISION TCAE ENCLAVE

THE HEAVY DIVISION TCAE ENCLAVE CONSISTS OF THE TCAE OPERATIONS SECTION, THE TRAFFIC ANALYSIS TEAM, AND THE ELINT ANALYSIS TEAM