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IN REPLY REFER TO:
4441/9241
Ser N42/05091

MAY 13 1999

From: Commanding Officer, Naval Sea Logistics Center
To: Commander, Crane Division, Naval Surface Warfare Center (Code 8083)

Subj: RESULTS OF PROPOSED ALLOWANCE EQUIPAGE LIST (AEL) UPDATES

Ref: (a) NAVSURFWARCENDIV Crane ltr 4790 Ser 8083/U9038 of 22 Mar 1999
(b) Type II AAP/AEL 2-670034080

Encl: (1) AEL 2-670034080

1. Reference (a) forwarded reference (b) for review and possible AEL modification. Our review is complete, the appropriate Weapons Systems Files (WSF) have been updated and enclosure (1) applies. Where applicable, either a "Pen and Ink" change or an updated copy of this AEL has been forwarded to all registered users via either Automated Shore Interface (ASI) or Automated Monthly COSAL Maintenance Action Report (AUTO-MCMAR).

2. Our point of contact is Joseph R. Cerul, NAVSEALOGCEN (N42), DSN 430-2697, comm (717) 790-2697, FAX (717) 790-4750, Internet Address: CerulJR@navsea.navy.mil.

Patrick C. Deller
By direction

Copy to:
COMNAVSEASYSCOM (SEA 04M34)

ENCLOSURE (1)

ALLOWANCE EQUIPAGE LIST (AEL)

EQUIPAGE NOMENCLATURE/CHARACTERISTICS	TECHNICAL DOCUMENT NUMBER	MANUAL / PLAN	IDENTIFICATION NO.	DATE	PAGE
TOOLS X EQUIPMENT-2M REPAIR STATIONS			2-670034080	05-05-99	1

CHARACTERISTICS

MINIATURE/MICRO-MINIATURE TOOLS AND EQUIPMENT REQUIRED FOR SUPPORT OF NAVSEA 2M ELECTRONIC REPAIR PROGRAM. NAVSEA INST 4790-17A APPLIES.

THE 2M PROGRAM SUPPORT EQUIPMENT AND TOOLS ARE TO BE PROVIDED ONLY TO THOSE SHIPS OR ACTIVITIES THAT HAVE A MINIMUM OF ONE PROPERLY TRAINED AND CERTIFIED TECHNICIAN ON BOARD.

NAVSURFWARCENDIV CRANE IN. CODE 8083 WILL PROCURE AND ASSEMBLE THE TOOL KITS AND EQUIPMENT AND MAKE INITIAL DISTRIBUTION TO THOSE SHIPS OR ACTIVITIES WHICH HAVE CERTIFIED PERSONNEL ON BOARD.

NO CHANGES WILL BE MADE TO THIS AEL WITHOUT THE APPROVAL OF NAVSEA CODE 04M34.

P-NICN 1H0000-LL-CJ8-9508 HAS BEEN ASSIGNED FOR THE 2M TOOL KIT AND EQUIPMENT LISTED BELOW AND WILL APPEAR IN PART IIIB OF THE COSAL AS AN OPERATING SPACE ITEM REFLECTING THE NUMBER OF REPAIR STATIONS ON BOARD.

THE QUANTITY APPEARING IN THE QUANTITY PER ONE COMPONENT COLUMN BELOW, IS THE QUANTITY REQUIRED IN EACH 2M TOOL KIT OR AT EACH REPAIR STATION. THE ITEMS WITH QUANTITIES IN COLUMNS 1 THRU 4 ARE OPERATING SPACE SPARES AND WILL APPEAR IN PART IIIB OF THE COSAL

CONSULT YOUR SHIP'S GENERAL USE CONSUMABLE LIST (GUCL) FOR CONSUMABLE TYPE ITEMS REQUIRED FOR MAINTENANCE.

NOTE 1: NSN 9G 3230-00-189-7191 UNIT OF ISSUE IS PACKAGE WHICH CONTAINS 12 EACH BLADES, QTY REQUIRED IN EACH TOOL KIT IS 2 EACH.

NOTE 2: NSN 9Q 8115-01-090-9808 UNIT OF ISSUE IS DOZEN. QTY IN EACH TOOL KIT IS ONE EACH.

NOTE 3: DISPENSER-LIQ 20Z FLUX NSN 9L 6520-00-142-9039 EA 1 OR REFERENCE NO. FD2 DISPENSER, FLUX NSN 9N 4935-01-184-1259 EA 1 IS REQUIRED IN EACH 2M TOOL KIT OR AT EACH REPAIR STATION.

NOTE 4: THE FOLLOWING ARE OPTIONAL ITEMS FOR EACH 2M TOOL KIT OR EACH REPAIR STATION:
16-021, DRILL PRESS MINI, NSN 9G3413-01-169-6714
2-248, FOOT CONTROL, NSN 9G 1680-01-171-1124
OV-470A, THERMAL OVEN, NSN 9C 4430-00-831-4172

SECCL	SOURCE	MAINT	RECOV	NOTES	CUST	U/I	ON BOARD ALLOWANCE TABLE COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	COL. 6	COL. 7	COL. 8

REFERENCE NO./DESCRIPTIVE DATA	ITEM NAME	STOCK NO.	SECCL	SOURCE	MAINT	RECOVBLTY	NOTES	CUSTODY	U/I	1	2	3	4	5	6	7	8

1
2
2
8
B

SHIP TYPE & HULL NO.	PAGE	ALLOWANCE EQUIPAGE LIST (AEL)	IDENTIFICATION NO.	DATE	PAGE
			2-670034080	05-05-99	1

ALLOWANCE EQUIPAGE LIST (AEL)

EQUIPAGE NOMENCLATURE/CHARACTERISTICS	TECHNICAL DOCUMENT NUMBER	MANUAL / PLAN	IDENTIFICATION NO.	DATE	PAGE
TOOLS X EQUIPMENT-2M REPAIR STATIONS			2-670034080	05-05-99	2

CHARACTERISTICS

NOTE 5: THE MICROSCOPE, LIGHT AND STAND ARE SHOWN FOR INFORMATION ONLY. SHIPS OR ACTIVITIES CERTIFIED FOR MICRO-REPAIR REQUIRE ONE EACH MICROSCOPE, LIGHT AND STAND.
SEE COSAL INDEX PART I FOR COLUMN WHICH APPLIES.
COLUMNS 1 THRU 4 FOR 1 TO 4 2M REPAIR KITS
COLUMNS 5 THRU 8 BLANK
REV DATE - MAY 99
CAGE-12004
OAAUP-TOOLS X EQUIPMENT
CCF DATE - 10 83

REFERENCE NO./DESCRIPTIVE DATA	ITEM NAME	STOCK NO.	SEC CL	SOURCE	MAINT	REC'Y	NOTES	CUST	U/I	ON BOARD ALLOWANCE TABLE COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	COL. 6	COL. 7	COL. 8
1066X4X4	ADAPTER,GAGE,COMPOUND	9C 4730-01-203-8069		UPAOZZ				EEA	1								
ESA319633	ALIGNMENT TOOL	9Q 5120-00-293-2081		UPAOZZ				EEA	1								
35046	ANVIL, JEWELER'S	9Q 5120-00-618-4913		UPAOZZ				REA	1								
GGA00671	ARBOR AND BAND SET	9L 6520-00-500-9500		UPAOZZ				ESE	1								
GGH0080 SZ15 6/PG	BLADE, DETACHABLE	9L 6515-00-660-0008		UPAOZZ				1EPG	1	2	4	4	5				
GGH0080 SZ11 6/PG	BLADE, DETACHABLE	9L 6515-00-660-0010		UPAOZZ				1RPG	1	2	4	4	5				
1112-0061	BLADE,CIRCULAR SAW	9G 3455-00-189-7191		UPAOZZ				PG									
	SEE NOTE 1																
GGH0080 N020 6/PG	BLADE,SURGICAL KNIF	9L 6515-00-660-0012		UPAOZZ				1EPG	1	2	4	4	5				
L-5560	BLADE,WIRE STRIPPER	9Q 5110-01-097-0762		UXBOZZ				SE	1								
05-505	BOX,SMALL PARTS	9Q 8115-01-090-9808		UPAOZZ				EDZ									
	SEE NOTE 2																
888997-5168	BRUSH,ARTIST'S	9Q 8020-00-051-7098		UPAOZZ				EA	1								
6161	BRUSH,BRISTLE,DENT,HARD	9L 6520-01-056-7376		UPAOZZ				EPG	1								
1127-0002	BRUSH,BRISTLE,TUBE CL	9Q 7920-00-018-7052		UPAOZZ				EA	1								
H-B-1490	BRUSH,SCRUB	9Q 7920-00-619-9162		UPAOZZ				EEA	1								
71966	BRUSH,WIRE,SCRATCH	9Q 7920-01-127-4376		UPAOZZ				EEA	1								
1127-0006	BRUSH,WIRE,1/8"DIA,6"	9Q 7920-00-018-7091		UPAOZZ			1	EA	2	3	6	9	12				
15R14SC/FL	BULB-FLOOD	9Z 6240-01-029-1113		UPAOZZ				EEA	1								
15R14SC/SP	BULB-SPOT	9Z 6240-01-029-5988		UPAOZZ				EEA	1								
382302	BUR-BALL N01/2 STR	9L 6520-01-003-3132		UPAOZZ				1EPG	1	2	4	4	5				
14826	BUR-BALL N02 STR	9L 6520-01-003-2269		UPAOZZ				EPG	1								
14832	BUR-BALL N04 STR	9L 6520-01-003-2270		UPAOZZ				1EPG	1	1	2	2	3				
14838	BUR-BALL N06 STR	9L 6520-01-003-2271		UPAOZZ				EPG	1								
14844	BUR-BALL N08 STR	9L 6520-01-003-3131		UPAOZZ				1EPG	1	1	2	2	3				
14853	BUR-INV CONE N035 STR	9L 6520-01-003-2267		UPAOZZ				EPG	1								
14877	BUR,DENTAL,EXCAVATI	9L 6520-01-003-2260		UPAOZZ				EPG	1								
26-27	BURNISHER,DENTAL	9L 6520-01-055-5086		UPAOZZ				EEA	1								

ALLOWANCE EQUIPAGE LIST (AEL)

EQUIPAGE NOMENCLATURE/CHARACTERISTICS	TECHNICAL DOCUMENT NUMBER	MANUAL / PLAN	IDENTIFICATION NO.	DATE	PAGE
TOOLS X EQUIPMENT-2M REPAIR STATIONS			2-670034080	05-05-99	3

CHARACTERISTICS

REFERENCE NO./DESCRIPTIVE DATA	ITEM NAME	STOCK NO.	SECURCL	SOURCE	MAINT	RECOVRBLTY	NOTES	CUST	U/I	ON BOARD ALLOWANCE TABLE COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	COL. 6	COL. 7	COL. 8
21294	CARVER-DENTAL # 89-92	9L 6520-00-935-7254		UPAOZZ		1EEA			1	1	2	2	3				
23106	CARVER-DENTAL HOLL 1-2	9L 6520-00-935-7171		UPAOZZ		1EEA			1	3	6	6	7				
24042	CHISEL-DENTAL NO 3-4	9L 6520-00-935-7178		UPAOZZ		EEA			1								
N03	CHISEL,DENTAL	9L 6520-01-074-1814		UPAOZZ		EEA			1								
A-A-430	CLAMP,C	9Q 5120-00-596-4053		UPAOZZ		EEA			1								
HS1	CLIP,ELECTRICAL	9N 5999-00-677-9839		UPAOZZ		EEA			1								
HS2	CLIP,ELECTRICAL	9N 5999-00-677-9849		UPAOZZ		EEA			1								
HS3	CLIP,ELECTRICAL	9N 5999-00-677-9861		UPAOZZ		EEA			1								
DISPENSER 20Z	DISPENSER,DENTAL AC	9L 6520-00-142-9039		UPAOZZ		EEA			1								
	SEE NOTE 3																
613	DISPENSER,FLUX	9Z 8125-00-552-9309		UPAOZZ		EA			1								
FD2	DISPENSER,FLUX	9G 4935-01-184-1259		UPAOZZ		EA			1								
	SEE NOTE 3																
16-021	DRILL PRESS MINIATURE	9G 3413-01-169-6714		UPAOZZ		REA			1								
	SEE NOTE 4																
33A	DRILL SET NO 61TO80	9Q 5133-00-555-1528		UPAOZZ		RSE			1								
29A	DRILL SET-NO 1 TO 6	9Q 5133-00-449-6775		UPAOZZ		ESE			1								
22098	EXPLORER, DENTAL	9L 6520-00-528-0000		UPAOZZ		1EEA			1	3	6	6	7				
22137	EXPLORER, DENTAL	9L 6520-00-528-1000		UPAOZZ		1EEA			1	3	6	6	7				
CME15	EYELET,METALLIC	9Z 5325-00-139-0328		UPAOZZ		EEA			100								
CME26C	EYELET,METALLIC	9Z 5325-00-234-7913		PAOZZ		EA			100								
CME36	EYELET,METALLIC	9Z 5325-00-558-1785		UPAOZZ		RPG			100								
CME46	EYELET,METALLIC	9Z 5325-01-076-9499		UPAOZZ		EEA			100								
MILF36733	FILE,BONE	9L 6520-00-528-5050		UPAOZZ		EEA			1								
2-248	FOOT CONTROL	9G 1680-01-171-1124		UPAOZZ		RAY			1								
	SEE NOTE 4																
3085-2012	GAGE-THKNS	9Q 5210-00-984-7236		UPAOZZ		EEA			1								
046646	GAGE,COMPOUND PRESS	9G 6685-00-248-6975		UPAOZZ		EEA			1								
41G460	GAGE,DRILL,NO 1TO60	9Q 5210-00-221-1893		UPAOZZ		EEA			1								
GGG86	GAGE,DRILL,NO 61TO80	9Q 5210-00-555-7993		UPAOZO		EEA			1								
40832	GOGGLES-INDUSTRIAL	9D 4240-01-063-5996		UPAOZZ		EA			1								
A-A-1305	HAMMER,HAND	9Q 5120-00-061-8540		UPAOZZ		EEA			1								
GGGF331TY18	HAND FILE SET	9Q 5110-00-204-2685		UPAOZZ		ESE			1								
37-1040	HANDLE,SURGICAL KNF	9L 6515-00-344-7820		UPAOZZ		EEA			1								
LD257239PC8	HANDLE,SURGICAL KNF	9L 6515-00-344-7920		UPAOZZ		EEA			1								
333	HOLDER,CIRCUITBOARD	9N 5999-01-184-2449		UPAOZZ		EEA			1								
221217	LIGHT-HIGH INTENSITY	9Z 6230-01-033-2081		UPAOZZ		EEA			1								

ALLOWANCE EQUIPAGE LIST (AEL)

EQUIPAGE NOMENCLATURE/CHARACTERISTICS: TOOLS X EQUIPMENT-2M REPAIR STATIONS

TECHNICAL DOCUMENT NUMBER: MANUAL / PLAN

IDENTIFICATION NO.: 2-670034080 | DATE: 05-05-99 | PAGE: 4

CHARACTERISTICS

ON BOARD ALLOWANCE TABLE

REFERENCE NO./DESCRIPTIVE DATA	ITEM NAME	STOCK NO.	SECURITY CODE	SOURCE	MAINT	REC'Y	NOTES	CUST	U/I	COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	COL. 6	COL. 7	COL. 8
9268846	MANDREL-DNTL-STRAIGHT	9L 6520-00-926-8846		UPA0ZZ				EPG	1								
1115-0002	MANDREL,THREADED	9C 3040-00-172-5418		UPA0ZZ				EA	1								
BI2300	MICROSCOPE X LIGHTXSTAND	9G 6650-01-189-4433		UKF0ZZ				REA									
	SEE NOTE 5																
DDM440	MIXING SLAB, DENTAL	9L 6520-00-556-2000		UPA0ZZ				EEA	1								
OV-470A	OVEN,THERMAL DRYING	9Z 4430-00-831-4172		UPA0Z2				REA	1								
	SEE NOTE 4																
GA54	PLIERS-ANG-FLS CTG 4IN	9Q 5110-00-764-4801		UPA0ZZ				1 EA	1	1	2	2	3				
RN54	PLIERS, JEWELER'S	9Q 5120-00-126-2076		UPA0ZZ				EEA	1								
D209-5C	PLIERS,DIAGONAL CUT	9Q 5110-01-083-9317		UPA0ZZ				REA	1								
DN54	PLIERS,FLAT NOSE 4	9Q 5120-01-028-0937		UPA0ZZ				REA	1								
MS54-5	PLIERS,FLUSH CTG	9Q 5110-01-088-4320		7PA0ZZ				REA	1								
LN-54	PLIERS,JEWELERS'	9Q 5120-01-434-9570		UPA2ZZ				EEA	1								
PL281	PLIERS,MICROM-DB	9Q 5120-01-028-7102		UPA0ZZ				EEA	1								
L4-1	PLIERS,SMTH JAW RD ED	9Q 5120-01-192-4963		UPA0ZZ				EEA	1								
GGGP831	PUNCH,CENTER,SOLID	9Q 5120-00-293-3510		UPA0ZZ				EEA	1								
676	RULE,STEEL,MACHINIT	9Q 5210-00-234-5223		UPA0ZZ				EEA	1								
103-2	SCISSORS,GENERAL SU	9L 6515-00-365-1200		UPA0ZZ				EEA	1								
1017	SCREWDRIVER,FLAT TI	9Q 5120-00-236-2140		UPA0ZZ				EEA	2								
AS196	SOLDER REMOVAL TOOL	9G 3439-01-064-1811		UPA0ZZ				EEA	1								
23559	SPATULA-DNTL NO324	9L 6520-00-556-8000		UPA0ZZ				EEA	1								
260000MAX-FIT	SPECTACLES,INDUSTRI	9D 4240-01-140-0282		UPA0ZZ				CPR	1								
A7578690	SPUDGER	9Q 5120-00-293-3112		UPA0ZZ				EA	1								
HG4	STONE,SHARPENING	9L 6520-00-536-2150		UPA0ZZ				EEA	1								
6000-0025	TIP-LAP REFLOW-WIRE	9G 3439-01-143-7743		UPA0ZZ				EEA	1								
105146	TIP-THERM SCRAPER-SHORT	9G 3439-01-045-0316		UPA0ZZ				1EEA	1	2	4	4	5				
6000-0008	TIP,SINGLE POINT,LAPF	9G 3439-00-417-7258		UPA0ZZ				EA	1								
520	TOOL BOX,PORTABLE	9Q 5140-00-319-5079		UPA0ZZ				EEA	1								
SEE NOTES ABOVE	TOOL KIT-2M	1HS0000-LL-CJ8-9508		UXB0ZZ				1 EA		1	2	3	4				
AWG18	TOOL,ANTI-WICKING	9Q 5120-00-954-1265		UPA0ZZ				REA	1								
2570-0010	TRACK PAD REPAIR KIT	9N 5895-01-136-2705		UPA0ZZ				EEA	1								
MILT36754	TRAY,DENTAL INSTRUMENT	9L 6520-00-435-3076		UPA2ZZ				EEA	1								
43118	TWEEZERS	9Q 5120-00-288-9685		UPA0ZZ				EEA	1								
7946	TWEEZERS	9Q 5120-00-293-0149		UPA0ZZ				EEA	1								
43134	TWEEZERS	9Q 5120-00-596-1210		UPA0ZZ				EEA	1								
AWG20	TWEEZERS,ANTIWICKIN	9Q 5120-00-954-1269		UPA0ZZ				EEA	1								
AWG22	TWEEZERS,ANTIWICKIN	9Q 5120-00-954-1270		UPA0ZZ				EEA	1								

ALLOWANCE EQUIPAGE LIST (AEL)

EQUIPAGE NOMENCLATURE/CHARACTERISTICS	TECHNICAL DOCUMENT NUMBER	MANUAL / PLAN	IDENTIFICATION NO.	DATE	PAGE
TOOLS X EQUIPMENT-2M REPAIR STATIONS			2-670034080	05-05-99	5

CHARACTERISTICS

ON BOARD ALLOWANCE TABLE

			SECCL	SOURCE	MAINT	RECV	NOTES	CUST	U/I	COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	COL. 6	COL. 7	COL. 8
AWG24	TWEEZERS,ANTIWICKIN	9Q 5120-00-954-1272		UPAOZZ				EEA	1								
301	VISE,MULITIPOSITION	9Q 5120-00-991-1907		UPAOZZ				EEA	1								
48-112	VISE,PIN	9Q 5120-00-595-8467		UPAOZZ				EEA	1								
SWB40-MC7	WATCH,STATIC MEDIUM	9N 5920-01-235-4141		UPA2ZZ				EEA	1								
SWB40-LC7	WATCH,STATIC,LARGE	9N 5920-01-282-9865		UPAOZZ				EA	1								
WR999	WHEEL,KNIFE EDGE 5-8 IN	9L 6520-00-523-1120		UPAOZZ				EBX	1								
45-187	WIRE STRIPPER 16-26AWG	9Q 5110-01-090-5870		UPAOZZ				REA	1								
CS4940-0001-1	WORK STATION KIT	9C 4940-01-250-4235		UPAOZZ				REA	1								

MULTI-REFERENCE NUMBER	FSCM	CROSS REF-NIIN/ACN	MULTI-REFERENCE NUMBER	FSCM	CROSS REF-NIIN/ACN
BI2600	3V753	01-189-4433	GGC001433	81348	00-935-7178
GGG-D-751	81348	00-555-1528	GGG-H-86	81348	00-061-8540
GGGD751	81348	00-449-6775	GGH0080	81348	00-344-7920
GGH0080-6PER PG	81348	00-660-0008	GGH0080-6PER PG	81348	00-660-0010
GGM00108-6PER PG	81348	00-926-8846	GGS00590	81348	00-556-8000
GGW00253-25PER BOX	81348	00-523-1120	M3	23059	00-172-5418
SEE NOTE 2 ABOVE	03950	00-189-7191	SEE NOTE 3 ABOVE	03950	01-189-4433
SEE NOTE 4 ABOVE	03950	01-090-9808	SEE NOTE-4 ABOVE	03950	01-189-4433
384305	37428	01-003-2270	384307	37428	01-003-3131
8-010 12PER PG	89875	01-056-7376			

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REFERENCE NO./DESCRIPTIVE DATA	ITEM NAME	STOCK NO.	SECCL	SOURCE	MAINT	RECOVERABILITY	NOTES	CUSTODY	U/I	1	2	3	4	5	6	7	8
	ALLOWANCE EQUIPAGE LIST (AEL)																

SHIP TYPE & HULL NO.	PAGE	IDENTIFICATION NO.	DATE	PAGE
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1228B