

ACTION ITEM NO: 6-32

DATE SUBMITTED: 15 JUN 99

SUBMITTED BY: CG FIRST MAW

PROBLEM:

Refrigerant Unit

**DISCUSSION:**

ST-1000 is listed in IMRL as the required S/E to support ECUs, but is becoming difficult to support and is manhour extensive to use (Per MALS-36). Furthermore, the ST-1000 cannot perform the recharge function as required in TM AG-180-MMM-000.

Currently units are using a "Gage and guess" method for recharging ECUs. The preferred method of performing this task (and as outlined in the ECU Tech Pub AG-180-MMM-000 WP 007, PG 7, PARA 17), is by "measured weight". Several commercial off the shelf (COTS) units can perform all three of these required tasks and are listed below. Consideration should also be given to current and future freon products available for use, to include EPA restrictions/requirements (R-22, R-500 & R-502 compatibility).

MALS-36 submitted REF (b) IMRL revision request to add Robinair P/N 17800 as an alternate to the ST-1000. REF (C) denies revision and suggested item be submitted to the non-avionic S/E Customer Feedback Conference, per REF (D).

COMPANY P/N NIIN COST

SNAP-ON EEAC304A 01-387-1511 3,386

SNAP-ON EEAC101A 01-441-7326 3,447

SNAP-ON EEAC104A 01-411-7327 4,429

SNAP-ON KOOL KARE EEAC301A 01-387-1591 4,600

ROBINAIR 17800 01-411-7240 6,000

**RECOMMENDATION:**

Evaluate and select the proper S/E to correctly perform all specific tasks associated with ECU maintenance and tasking all environmental/EPA constraints into consideration.

**2 MESSAGES ATTACHED**

ROUTINE

R 141355Z APR 99 ZYB PSN 746427Y30

FM NAVAIRWARCENACDIV LAKEHURST NJ//11X712B//

TO COMNAVAIRLANT NORFOLK VA//N42/N421/N422B//

COMNAVAIRPAC SAN DIEGO CA//N42/N422/N422B//

COMNAVAIRESFOR NEW ORLEANS LA//433/434//

NAMTRAGRU PENSACOLA FL//421//

CNATRA CORPUS CHRISTI TX//N423//

COMNAVAIRSYS COM PATUXENT RIVER MD//PMA260C/260D/AIR 3.6.4.1/

3.1B2/5.0D4/5.0D4202//

NAVICP PHILADELPHIA PA//0332A//

NATEC SAN DIEGO CA//JJJ//

INFO COMNAVSURFLANT NORFOLK VA//JJJ//

COMNAVSURFPAC SAN DIEGO CA//JJJ//

CNO WASHINGTON DC//N881C//

COMNAVAIRWARCENACDIV PATUXENT RIVER MD//48L2//

NAVAIRWARCENWPNDIV PT MUGU CA//4861//

CG FIRST MAW//ALD//

CG SECOND MAW//ALD//

CG THIRD MAW//ALD//

CG FOURTH MAW//ALD//

COMNAVSAFECEN NORFOLK VA//12/124/124A//

UNCLAS //N13600//

MSGID/GENADMIN/NAVAIRWARCENACDIVLKE/0002/APR//

SUBJ/COMMON NON-AVIONIC SUPPORT EQUIPMENT CUSTOMER FEEDBACK CONF//

POC/T.C. BLEAZEY/TEAM LDR/11X712B/-/TEL:DSN 624-1932/TEL:732-323-1932

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RMKS/1. SUBJ CONF IS SCHEDULED FOR 14-18 JUN 99 AT CLUB CORONADO,  
NAB CORONADO CA. A BLOCK OF ROOMS HAS BEEN RESERVED AT THE BOQ AND  
BEQ. FAX OR E-MAIL NLT 30 APR 99 YOUR NAME, SSN, ACTIVITY, PHONE  
NR, AND RANK/GRADE TO EDWARD BEALS. FAX NR IS 732-323-4029, EMAIL  
IS BEALSE1(AT)LAKEHURST.NAVY.MIL. THIS CONF WILL FOCUS ON  
PROPULSION, ARMAMENT, ACFT HANDLING, ELECTRIC/HYDRAULIC SERVICING  
AND MAINTENANCE, CORROSION CONTROL, DEICING, AND POLLUTION  
PREVENTION SUPPORT EQUIPMENT COMMODITY AREAS. THERE WILL BE NO CONF  
FEE.

2. THE FOLLOWING IS A GENERAL AGENDA FOR THE CONF:

MONDAY 14 JUN

1300 - 1330 GENERAL/ADMIN

1330 - 1430 POLLUTION PREVENTION OVERVIEW

1430 - 1630 POLLUTION PREVENTION PROCUREMENTS/ACTION ITEMS

TUESDAY 15 JUN

0800 - 0830 GENERAL/ADMIN

0830 - 1630 ACFT HANDLING/SERVICING/MAINTENANCE/DEICING SE

WEDNESDAY 16 JUN

0800 - 0830 GENERAL/ADMIN

0830 - 1630 ARMAMENT SE

1700 - 1900 SOCIAL

THURSDAY 17 JUN

0800 - 0830 GENERAL ADMIN

0830 - 0930 POLLUTION PREVENTION OVERVIEW

0930 - 1630 PROPULSION SE

FRIDAY 18 JUN

0800 - 0830 GENERAL/ADMIN

0830 - 1000 WRAP UP

1000 - 1400 AIRCRAFT ENGINE TEST CELL MEETING

3. COMMANDS ARE REQUESTED TO SUBMIT ACTION ITEMS TO THE ORIGINATOR

NLT 30 APR 99. INCLUDE REQUISITION NUMBER ON ANY PARTS SUPPORT

ACTION ISSUES.

4. THE CRYOGENIC CONF WILL BE HELD 18-20 MAY 99 AT NAES LAKEHURST

NJ AND THE NDI CONF WILL BE HELD 13-18 DEC 99 AT NAS NEW ORLEANS LA.

ADDL INFO WILL BE PROVIDED SEPCOR.

5. REQUEST WIDEST POSSIBLE DISSEMINATION.

ROUTINE

R 060025Z MAY 99 PSN 872606Y29

FM COMNAVAIRPAC SAN DIEGO CA//N422/N422B/N422M/N422B2M//

TO CG FIRST MAW//ALD-B//

INFO COMMARFORPAC//ALD//

COMFAIRWESTPAC ATSUGI JA//N422B//

MAG THREE SIX//CO//

MALS THREE SIX//AMO/IMRLO//

UNCLAS //N13650//

MSGID/GENADMIN/COMNAVAIRPAC N422B2M/MAY//

SUBJ/AMMRL N422B2 IMRL REVISION REQUEST #09260-99006//

REF/A/DOC/MALS-36 REVISION/09260-99006/16APR99//

REF/B/DOC/SERMIS QUERY/03MAY99//

REF/C/MTG/CNAP CODE B1B-B2M1/03MAY99//

NARR/REF A IS MALS-36 REVISION FOR NIIN 01-387-1591, PN EEAC301A,

CAGE 55719, NOMEN: SNAP ON RECOVERY UNIT. REF B IS SERMIS QUERY MADE

ON 03 MAY 99. REF C IS MEETING WITH ITEM MANAGER N422B1B (BOB

LECHNER) AND N422B2M1 (MGYSGT LEUSCH) TO DISCUSS RECOVERY UNIT

REVISION FROM MALS-36.//

POC/G.L. LEUSCH/MGYSGT/PRIPHN:AV. 735-1291/-/-/SECPHN:(619) 545-1291

/TEL:FAX (619) 545-1483//

RMKS/1. IRT THE REFS, REF A HAS BEEN DISAPPROVED FOR THE FOLLOWING:

A) REF B REFLECTS NIIN, PART NR AND CAGE REPORTED ON REF A, NOT

FOUND IN SERMIS SOURCE DATA.

B) SUPPLY SUPPORT FOR THIS UNIT UNKNOWN AT THIS TIME.

C) REF B REFLECTS NIIN 01-324-3597 FOR AAI 09260 COMPUTED ALLOWANCE

OF TWO. AUTH TAILORED ALLOWANCE = TWO. ON HAND QUANTITY OF TWO.

D) CERTIFICATION OF THIS UNIT TO MEET GOVERNMENT STANDARDS FOR EPA

UNKNOWN AT THIS TIME. REF C REFERS.

E) THE REVISION PROCESS IS NOT THE FORUM TO INTRODUCE A REPLACEMENT  
ITEM FOR AN IMRL ASSET.

2. RECOMMEND THIS ITEM BE PRESENTED TO THE SUPPORT EQUIPMENT CUSTOMER  
FEED BACK CONFERENCE AS AN AGENDA ITEM TO BE CONSIDERED AS A POSSIBLE  
REPLACEMENT ITEM FOR PN ST-1000, NIIN 01-324-3597. A SITUATION  
SUMMARY MESSAGE VIA THE COC TO THE ITEM MANAGER COULD ALSO BE USED.

3. COPY OF REVISION ON FILE THIS HQ AND A COPY WILL BE RETURNED VIA  
COC.

4. POC THIS CMD: G.L. LEUSCH, MGYSGT, N422B2M1, DSN 735-1291.//

STATUS: 07 JUL 99

ACTION AGENCY:

TBD

COMPLETION DATE:

TBD

STATUS: 15 JUL 99

NEW ACTION AGENCY:

PMA-260/P2

Open. PMA-260 took for action during Logistics Review Group (LRG) Meeting held at C.A.S. Miramar on 15 Jul 1999, is to formulate a plan to acquire a new Recovery/

Recycle/Evacuate/Recharge Refrigerant Unit that will perform all required functions as described in TM AG-180-MMM-000 and be able to use all (3) three types of the following Environmental Protection Agency (EPA) accepted refrigerants: R-22, R-500 & R-502.

COMPLETION DATE:

TBD

STATUS: 13 JAN 00

Closed. As per NAWCADLKE Code 3.1.4.4, request re-submit requirement to proper TYCOMS Chain-of-Command.