DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON, D.C. 20350-2000

IN REPLY REFER TO

1500
Ser N889H7/9U661900661925
22 January 1999

From: Chief of Naval Operations (N889H)

Subj: DRAFT REPORT FOR THE S-3B/ES-3A MAINTENANCE TRAINING REQUIREMENTS REVIEW (MTRR)

Ref: (a) CNO WASHINGTON DC 041716Z SEP 98

Encl: (1) MTRR Package

1. As directed by reference (a), subject MTRR was held 16 November through 19 November 1998 onboard NAS Jacksonville, FL, chaired by CNO representative AZC M. Scott Dean (N889H7). Participants, issues and career level recommendations are listed in enclosure (1).

2. The Chief of Naval Education and Training (CNET) has responsibility for action item tracking and resolution. Request commands assigned action items provide a Plan of Action and Milestones (POA&M) to CNET (ETE) within 30 days of receipt of this letter, with a copy to CNO (N889H7).

3. Request widest distribution to appropriate commands.

F. J. SMITH
CAPTAIN, U.S. Navy
Head, Aviation Technical Training Section

Distribution

SNDL
COMNAVAIRLANT(Code N422F)
COMNAVAIRPAC (Code N422F)
COMNAVAIRSYSCOM (Code PMA205, PMA290)
COMSEACONWINGPAC (N45)
COMNAVPERSCOM (P404C)
CNET (ETE)

Subj: DRAFT REPORT FOR THE S-3B/ES-3A MAINTENANCE TRAINING REQUIREMENTS REVIEW (MTRR)

Distribution

SNDL
NAMTRAGRU (N2119, N5216)
NAMTRAGRUDET Jacksonville
NAMTRAGRUDET North Island
VS-31
VS-32

S-3B/ES-3A ATTENDANCE LIST
16 - 19 NOVEMBER 1998, NAS JACKSONVILLE, FL

POLICY COMMITTEE

NAME	RANK/RATE	ORGANIZATION	AUTOVON
Scott, M. (Chair)	AZC(AW)	CNO (N889H7)	664-7762
Anderson, D.M.	MGYSGT	CNO (N889H6)	664-7722
Stuart, P.	AFCM(AW)	CNAL (N422F)	564-3018
Mack, S.	AVCM	CNAP (N422F)	735-1574
Young, R.	LCDR	CNET (ETE 321)	922-8907

ADVISORY COMMITTEE

Gaff, J. (Chair)	AVCM	CNET (ETE 3221)	922-4897
Snyder, R.	ATC(AW/SW)	NAMTG HQ (N2119)	922-9708 X234
Anderson, R.	CIV	NAMTG HQ (N5216)	922-9880 X205
Seibold, W.	CIV	NAMTGD (FTS)	942-2993
Johnson, J.	AVCM	NAVAIR (PMA205-2G1)	757-8142
Vogel, M.J. Jr.	CIV	CSCWP (N45)	735-1865
White, K.R.	ATC	BUPERS (P404CT4)	882-3660
Kramar, K.	AVCM	EPMAC (Code 50)	678-1524

AMH/S, AD/PC, AME WORKING COMMITTEE

Glaude, D. (Chair)	AME1(AW)	NAMTGD Jacksonville	942-5370
Baker, J.W.	AD1(AW)	VS-31	942-3945
Funcheon, C.S.	AMS1(AW)	NAMTGD Jacksonville	942-5370
Leonguerrero, J.	AMEC(AW)	NAMTGD North Island	735-6247/6203
Lugo, V.	ADC(AW)	NAMTGD Jacksonville	942-5370

AO WORKING COMMITTEE

Shields, J.C. (Chair)	AO1(AW)	NAMTDG Jacksonville	942-3007
Dolan, J.C.	AOC(AW)	NAMTDG Jacksonville	942-3007

AT WORKING COMMITTEE

McDowall, K. (Chair)	ATC	VS-32	942-8535
Yerger, R.	AT1	NAMTGD Jacksonville	942-5370
Schaefer, W.	ATC	NAMTGD Jacksonville	942-5370
Segeti, A.	AT1	NAMTGD North Island	735-6203
Blount, W.P.	AT2	AIMD Jacksonville	942-3526 X413

AE WORKING COMMITTEE

Mckibben, E. (Chair)	AE2	VS-31	942-3624
Beckley, J.	AE3	VS-22/SCSWL	942-8545
Oglesby,	AEC	NAMTGD Jacksonville	942-5370

CIN	TITLE	RATE	NEC	ACTION ITEM	COMMAND	ISSUE	ACTION TASK
C-601-3868	GTC36-200/201 AUXILIARY POWER UNIT (APU) FIRST DEGREE INTERMEDIATE MAINTENANCE REPAIR	AD	0000	S3.98MTRR.3868.001	CNET	GTC36-201 and 200 are just about the same engine. Need a class on test cell operation for SEAOPDET mech's going to ship.	DISAPPROVED. C-601-3868 will become part of the E-601-3010 (TF34 Engine and Related Systems "I" level maintenance). No action required.
C-601-3868	GTC36-200/201 AUXILIARY POWER UNIT (APU) FIRST DEGREE INTERMEDIATE MAINTENANCE REPAIR	AD	0000	S3.98PMTRR.3868.01	CNET	NAMTRA has problem trying to convene a class with no students being detailed in. We have to call local commands for students.	DISAPPROVED. C-601-3868 will become part of E-601-3010 pipeline (TF34 Engine I-Level). See Action Item S3.98PMTRR.3868.02.
C-601-3868	GTC36-200/201 AUXILIARY POWER UNIT (APU) FIRST DEGREE INTERMEDIATE MAINTENANCE REPAIR	AD	0000	S3.98PMTRR.3868.02	CNAP	No NEC is awarded after school completion.	Add C-601-3868 to E-601-3010 pipeline; increase length 2 weeks only authorized. Revise NITRAS/CANTRAC data.
C-602-3084	AIR REFUELING STORE MODEL 31-301 REPAIR TECHNICIAN	AD/ AE/ AMH/ AMS	8312	S3.98PMTRR.3084.01	NAVAIR	It is very difficult to teach fleet students proper techniques when training stores do not have proper AYC's. MTRR: Training stores do not have proper AYC's.	NAVAIR (PMA205): Take a more active roll to include training device upgrades when Technical Directive's (TD's) and kits are issued to the fleet.
C-602-3084	AIR REFUELING STORE MODEL 31-301 REPAIR TECHNICIAN	AD/ AE/ AMH/ AMS	8312	S3.98PMTRR.3084.02	CNET	C-602-3084A course revised April '97 did away with synchronization of the store. Through all West Coast fleet input all ARS shops feel that synchronization is key to operation and troubleshooting of the store. MTRR: C-602-3084A revised April 97 did away with synchronization of store. Its key to operation and T/S of the store.	CNET: Increase course C-602-3084 by one day (8.0 hours) and not to exceed, to include synchronization back into course.
C-602-3084	AIR REFUELING STORE MODEL 31-301 REPAIR TECHNICIAN	AD/ AE/ AMH/ AMS	8312	S3.98PMTRR.3084.03	CNET	Fleet ARS shops feel proper use of the flow control regulator should be emphasized more to reduce injury to personnel and equipment. MTRR: Proper use of the flow control regulator should be emphasized more to reduce injury to personnel and equipment.	CNET: Ensure Enabling Objective is in place to cover personnel safety with the Buddy Store System.
C-602-3084	AIR REFUELING STORE MODEL 31-301 REPAIR TECHNICIAN	AD/ AE/ AMH/ AMS	8312	S3.98PMTRR.3084.04	CNET	Course length. If this course awards the NEC 8312, it must be more in depth, not treated like an introduction to a particular system.	See Action Item S3.98PMTRR.3084.02.

C-602-3084	AIR REFUELING STORE MODEL 31-301 REPAIR TECHNICIAN	AD/ AE/ AMH/ AMS	8312	S3.98PMTRR.3084.05	CNET	Lesson Topic 2.6 support equipment/preservation and depreservation enabling objectives does not state the dolly specifically. I.e. inspections of; maintenance of; MTRR: L.T. 2.6 SE/pres/depres E.O.'s does not state the dolly specifically; i.e. inspections of; maintenance of;	DISAPPROVED. No action required.
C-602-3084	AIR REFUELING STORE MODEL 31-301 REPAIR TECHNICIAN	AD/ AE/ AMH/ AMS	8312	S3.98PMTRR.3084.06	CNET	No topic to cover Air refueling store installation and removal from pylon. MTRR: No topic to cover ARS installation and removal from pylon.	DISAPPROVED. No action required; current curriculum supports procedures.
C-602-3682	ES-3A VAPOR CYCLE SYSTEM ORGANIZATIONAL MAINTENANCE	AME	0000	S3.98MTRR.3682.001	CNET	Zero annual percentage student put through and ES-3A decommissioning.	Delete course C-602-3682 upon final ES-3A aircraft decommissioning.
C-646-3680	S-3B CONVENTIONAL WEAPONS TECHNICAL PROFICIENCY INSPECTION	AO	0000	S3.98PMTRR.3680.01	CNAP	Course C-646-3680 "Conventional Weapons Technical Proficiency Inspection" does not need 67 hrs (9 teaching days) to meet all training objectives. By deleting 4 teaching days, this opens up tome that could be better used for a weapons loading course for students in the S-3 Armament pipeline.	No MTRR action required. Returned to CNAP for TYCOM action only.
C-646-3680	S-3B CONVENTIONAL WEAPONS TECHNICAL PROFICIENCY INSPECTION	AO	0000	S3.98PMTRR.3680.02	CNAP	There is no weapons loading training provided to students coming through the S-3 Armament pipeline. The S-3 CWTPI course is an as-needed "refresher" course which is taught prior to the actual CWTPI inspection. The only training provided to new personnel is basic system operation (initial/E4 and below). This is only half the job at best. The people going out to West Coast S-3 squadrons check in with no idea of what or how to load.	No MTRR action required. Returned to CNAP for TYCOM action only.
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98MTRR.1728.001	CNET	Initial training does not cover topics required for an entry level technician.	Revise C-102-9691 (Initial) to replace Sections 2 - 8 with Sections 2 - 9 of C-102-9690 (Career). Increase of 3 weeks only authorized.
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98MTRR.1728.002	CNAL	MTRR: S-3B connector repair needs to be taught during initial training pipeline. PRE-MTRR: Connector repair is taught at the end of the career course. E-1 - E-4 are not receiving connector repair training.	Remove C-602-3681 from Career Pipeline (CDP 0341) in NITRAS. Add C-602-3681 to Initial Pipeline (CDP 0346) in NITRAS.
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL)	AT	8847	S3.98MTRR.1728.002A	CNAP	MTRR: S-3B connector repair needs to be taught during initial training pipeline.	Remove C-602-3681 from Career Pipeline (CDP 569F) in NITRAS. Add C-602-3681 to Initial

	ORGANIZATIONAL MAINTENANCE					PRE-MTRR: Connector repair is taught at the end of the career course. E-1 - E-4 are not receiving connector repair training.	Pipeline (CDP 963V) in NITRAS.
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98MTRR.1728.003	CNET	Initial training is focused towards basic foundation training for E-1 to E-6 level. Career training is E-4 (waiverable) and E-5, E-6, initial trainees never get career training first termers terminate the Navy leaving E-3 and below with just initial training.	See Action Item S3.98MTRR.1728.001 (Chit AT-8).
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98MTRR.1728.004	CNET	Initial course is available for E-1 to E-6. The career course which is available to E-1 to E-6 is not being used by fleet personnel. Squadrons will not let E-5 to E-6s go TAD for 12 week periods.	DISAPPROVED. Career and Initial is the Navy training policy
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98MTRR.1728.005	CNET	Squadrons are receiving personnel from initial training (AT) who are not familiar with basic troubleshooting and test equipment. i.e.; TDR, MULTIMETER.	See Action Item S3.98MTRR.1728.001 (Chit AT-8).
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98MTRR.1728.006	CNET	Maintenance personnel arrive at the squadron unfamiliar with test equipment necessary to perform troubleshooting or specific maintenance requirements (transmission line testing with a TDR, ETC.)	See Action Item S3.98MTRR.1728.001 (Chit AT-8).
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98MTRR.1728.007	CNET	NAMTRA "AT" course needs more focus on troubleshooting techniques.	See Action Item S3.98MTRR.1728.001 (Chit AT-8).
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98MTRR.1728.008	CNET	Phase training/familiarization is not taught to students going through initial training. E-1 to E-4s perform most phase maintenance, yet do not show up at the squadron prepared to perform these task.	DISAPPROVED. NAMTRAGRU does not teach inspections. No action required.
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98MTRR.1728.009	CNET	Intial training has no focus on how a technician performs 56/112 day inspection. No focus is spent on connector repair techniques.	DISAPPROVED. Connector repair will be added to initial track. MRC's are not taught at NAMTRAGRUDET.
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98PMTRR.1728.01	CNET	Off-line OTPI not covered in lessons along with on-line.	CNET: Revise C-102-9691 to include OTPI offline troubleshooting.
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98PMTRR.1728.02	CNET	The first six weeks of career are just a longer version of initial. Anybody who's been in S-3's does not need basic system knowledge.	See Action Item S3.98MTRR.1728.001.

D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98PMTRR.1728.02A	CNET	The first six weeks of career are just a longer version of initial. Anybody who's been in S-3's does not need basic system knowledge.	See Action Item S3.98MTRR.1728.001.
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98PMTRR.1728.03	CNET	EO's should reflect NALCOMIS.	DISAPPROVED. Course C-102-9691 E.O. 1.14 covers difference training. No action required.
D-102-1728	S-3B AVIONIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AT	8847	S3.98PMTRR.1728.04	CNET	E.O. 1.43 should include locating the end connector on the aircraft.	DISAPPROVED. Use MIMs properly. No action required.
D-102-1741	S-3B AVIONIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AT	8347	S3.98MTRR.1728.002	CNAL	MTRR: S-3B connector repair needs to be taught during initial training pipeline. PRE-MTRR: Connector repair is taught at the end of the career course. E-1 - E-4 are not receiving connector repair training.	Remove C-602-3681 from Career Pipeline (CDP 0341) in NITRAS. Add C-602-3681 to Initial Pipeline (CDP 0346) in NITRAS.
D-102-1741	S-3B AVIONIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AT	8347	S3.98MTRR.1728.002A	CNAP	MTRR: S-3B connector repair needs to be taught during initial training pipeline. PRE-MTRR: Connector repair is taught at the end of the career course. E-1 - E-4 are not receiving connector repair training.	Remove C-602-3681 from Career Pipeline (CDP 569F) in NITRAS. Add C-602-3681 to Initial Pipeline (CDP 963V) in NITRAS.
D-102-1741	S-3B AVIONIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AT	8347	S3.98MTRR.1741.001	CNET	Loss of experienced personnel are not being replaced with people who have received the same training. An AT2 who has received the old style training that included all the systems and a (framp) are being replaced with people who only received half the training.	See Action Item S3.98MTRR.1728.001.
D-102-1741	S-3B AVIONIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AT	8347	S3.98MTRR.1741.002	CNET	Content of career and initial courses needs to be adjusted to meet fleet needs.	See Action Item S3.98MTRR.1728.001.
D-102-1741	S-3B AVIONIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AT	8347	S3.98MTRR.1741.003	CNET	E-4s need to be able to attend career course.	DISAPPROVED. Commands may send E-4s to NAMTRAGRUDET. Paygrade waivers for NEC award can be done by EPMAC.
D-102-1741	S-3B AVIONIC SYSTEMS (CAREER) ORGANIZATIONAL	AT	8347	S3.98MTRR.1741.004	CNET	If recruit fails out of AT or AE "A" school he does not receive credit for avionics corrosion control.	DISAPPROVED. A-School will ensure Corrosion Control is documented prior to transfer.

	MAINTENANCE						
D-102-1741	S-3B AVIONIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AT	8347	S3.98PMTRR.1728.01	CNET	Off-line OTPI not covered in lessons along with on-line.	CNET: Revise C-102-9691 to include OTPI offline troubleshooting.
D-102-1741	S-3B AVIONIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AT	8347	S3.98PMTRR.1728.01A	CNET	Off-line OTPI not covered in lessons along with on-line.	See Action Item S3.98MTRR.1728.001.
D-102-1741	S-3B AVIONIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AT	8347	S3.98PMTRR.1728.02	CNET	The first six weeks of career are just a longer version of initial. Anybody who's been in S-3's does not need basic system knowledge.	See Action Item S3.98MTRR.1728.001.
D-102-1741	S-3B AVIONIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AT	8347	S3.98PMTRR.1741.01	CNET	Waveguide leak detection is not included.	See Action Item S3.98MTRR.1728.001.
D-600-1700	S-3 NON-DESIGNATED AIRMAN/PLANE CAPTAIN	ALL	0000	S3.98PMTRR.1700.01	CNET	Non-Designated Airman/Plane Captain course C-600-9600 has no visual information as in a video on flight deck familiarization, line operations, fueling, defueling, etc. in lesson topics to enhance instructional lessons for students.	DISAPPROVED. Training is provided at Airmen Apprentice school.
D-600-1700	S-3 NON-DESIGNATED AIRMAN/PLANE CAPTAIN	ALL	0000	S3.98PMTRR.1700.02	CNET	Course C-600-9600 Lesson Topic 1.3 should reflect NALCOMIS.	Replace VIDS/MAF with computer generated VIDS/MAF. No increase in course length authorized.
D-601-1710	S-3 POWER PLANTS AND RELATED SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AD	8346	S3.98PMTRR.1710.01	CNET	Course C-601-9876 has no aircraft availability to perform E.O.s 3.12 and 3.13.	CNET/NAVAIR (PMA205): Acquire decommissioned aircraft for West Coast as a PJT aircraft for NAMTRAGRUDET North Island.
D-601-1710	S-3 POWER PLANTS AND RELATED SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AD	8346	S3.98PMTRR.1710.01A	NAVAIR	Course C-601-9876 has no aircraft availability to perform E.O.s 3.12 and 3.13.	CNET/NAVAIR (PMA205): Acquire decommissioned aircraft for West Coast as a PJT aircraft for NAMTRAGRUDET North Island.
D-601-1710	S-3 POWER PLANTS AND RELATED SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AD	8346	S3.98PMTRR.1710.02	CNAL	Course C-601-9876 is being taught 5 times/year and most of the time, 3 students are scheduled through the pipeline; class is designed to hold 8 students. Every FCR course comes up with low utilization rate. MTRR: Course taught 5 time/year with 3 students	CNAL/CNAP: Class schedules will be negotiated during the "C" School Planning Conference in December 1998.

						are scheduled.	
D-601-1710	S-3 POWER PLANTS AND RELATED SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AD	8346	S3.98PMTRR.1710.02A	CNAP	Course C-601-9876 is being taught 5 times/year and most of the time, 3 students are scheduled through the pipeline; class is designed to hold 8 students. Every FCR course comes up with low utilization rate. MTRR: Course taught 5 time/year with 3 students are scheduled.	CNAL/CNAP: Class schedules will be negotiated during the "C" School Planning Conference in December 1998.
D-601-1714	S-3 POWER PLANTS AND RELATED SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AD	8847	S3.98PMTRR.1714.01	CNET	According to the course (C-601-9878) Master Schedule, MDS will be presented for 2 hrs. VIDs/MAFs are not utilized by fleet squadrons anymore because of incorporation of NALCOMIS. MTRR: VIDS/MAF are not utilized by fleet squadrons anymore because of NALCOMIS.	Include NALCOMIS computer generated VIDS/MAF; remove standard VIDS/MAF. No increase in course length authorized.
D-601-1714	S-3 POWER PLANTS AND RELATED SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AD	8847	S3.98PMTRR.1714.02	CNET	Course C-601-9878, E.Os 1.33 through 1.38 have vague troubleshooting trees for multiple system problems.	Submit TPDR against NA01-S3AAA-2-3.6.1 APU troubleshooting.
D-602-1750	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AE	8346	S3.98MTRR.1750.001	CNAL	Airmen coming into command not knowing connector repair.	Remove C-602-3681 from Career Pipeline (CDP 033S) in NITRAS. Add C-602-3681 to Initial Pipeline (CDP 0349) in NITRAS.
D-602-1750	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AE	8346	S3.98MTRR.1750.001A	CNAP	Airmen coming into command not knowing connector repair.	Remove C-602-3681 from Career Pipeline (CDP 569U) in NITRAS. Add C-602-3681 to Initial Pipeline (CDP 963X) in NITRAS.
D-602-1750	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AE	8346	S3.98MTRR.1750.002	CNO	Low utilization, taught 4 classes in 3 year period with a total of 2 students per class. Suppose to teach 4 classes a year.	DISAPPROVED. Not a MTRR action item, must be worked out with wings and detailers.
D-602-1750	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AE	8346	S3.98PMTRR.1750.01	CNET	Pitot Static practical troubleshooting uses TTU-205; should use T/S-4508/U (Air Data Test Set).	Update course C-602-9676 material list (ERL) to reflect use of TTU-205 and/or T/S 45081/U.
D-602-1750	S-3	AE	8346	S3.98PMTRR.1750.02	CNET	Lack of thorough knowledge when troubleshooting	Introduce 15 - 20 questions/faults in Lesson Topic

	ELECTRICAL/INSTRUMENT SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE					logic equations.	1.7 lab.
D-602-1750	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AE	8346	S3.98PMTRR.1750.03	CNET	The overall training syllabus for course C-602-9676 does not include test equipment specifically utilized by students during lessons. If lesson plans need to be changed/updated, then correct as needed.	Incorporate associated test equipment into Initial course C-602-9677, Lesson Topic 1.4 and into career course C-602-9676, Lesson Topic 1.6. No increase in course length authorized.
D-602-1750	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AE	8346	S3.98PMTRR.1750.04	CNET	Lesson 4.8 needs to be taught in depth.	No action required. Compass Swings taught at command level by NATEC.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98MTRR.1750.001	CNAL	Airmen coming into command not knowing connector repair.	Remove C-602-3681 from Career Pipeline (CDP 033S) in NITRAS. Add C-602-3681 to Initial Pipeline (CDP 0349) in NITRAS.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98MTRR.1750.001A	CNAP	Airmen coming into command not knowing connector repair.	Remove C-602-3681 from Career Pipeline (CDP 569U) in NITRAS. Add C-602-3681 to Initial Pipeline (CDP 963X) in NITRAS.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98MTRR.1752.001	CNET	No description/theory of operation of binary logic and control logic proximity switch.	Add 8.0 hours of instruction covering theory of operation on binary logic and control logic proximity switch. Add Lesson Topic 1.7 and Lesson Topic 1.8 (Intro) from C-602-9676 (Career Course) into C-602-9677 (Initial Course).
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1750.03	CNET	The overall training syllabus for course C-602-9676 does not include test equipment specifically utilized by students during lessons. If lesson plans need to be changed/updated, then correct as needed.	Incorporate associated test equipment into Initial course C-602-9677, Lesson Topic 1.4 and into career course C-602-9676, Lesson Topic 1.6. No increase in course length authorized.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1752.01	CNET	Course C-602-9677 has no mention of using landing gear indicator test set when removing and replacing TE Flap Indicator (new change).	DISAPPROVED. Recommended procedure is locally generated and not included in the MIMs.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT	AE	8847	S3.98PMTRR.1752.02	CNET	Course C-602-9677 has no mention of CAG Group (Counting Accelerometer Group).	Revise C-602-9677 to include basic theory/description of AN/ASH-37/CAG in Lesson

	SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE						Topic 4.5 "Miscellaneous Instruments."
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1752.03	CNET	Primary Flight Control Systems lesson topic fails to mention where flight control surface location is in respect to aircraft. (i.e., Rudder Vertical Stab, Elevator-Aft Horizontal Stab, Ailerons).	DISAPPROVED. Current curriculum is accurate.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1752.04	CNET	No mention of hazards relating to consequences resulting from disconnecting components electrical connectors with power applied.	DISAPPROVED. Current instruction is sufficient and safety precautions included in MIMs.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1752.05	CNET	No flightdeck fam/safety taught.	DISAPPROVED. V-1 provides instruction for all shipboard/airwing personnel.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1752.06	CNET	Course C-602-9677 does not cover MRC's. This area is primarily what "new" people do in the command.	DISAPPROVED. Current instruction is sufficient; inspections not taught at NAMTRA.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1752.07	CNET	S-3 AFCS lesson mentions ATS servo's but not their function (i.e., APC/IAS) systems.	DISAPPROVED. Current curriculum sufficient for current level personnel.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1752.08	CNET	Lesson Topic 4.1 "Pitot Static System" does not mention the new Air Data Test Set or its useage.	Revise C-602-9677 to include 8 hours of Pitot/Static theory and hands on training in Lesson Topic 4.1. Course length not to exceed 17 calendar days.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1752.09	CNET	Lesson 3.1/3.2, No troubleshooting is taught, components placement need to be beefed up.	DISAPPROVED. Initial course is sufficient for the experience/knowledge level of initial accession personnel.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL)	AE	8847	S3.98PMTRR.1752.10	CNET	No lighting system troubleshooting taught lesson 1.5.	Move Lesson Topics 2.1, 2.2, and 2.3 from career course C-602-9676 to initial course C-602-9677.

	ORGANIZATIONAL MAINTENANCE						
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1752.11	CNET	Lesson 1.4 AC/DC power generation system, young airmen are coming to commands with poor knowledge of this system.	DISAPPROVED. Skill level required for topic is above initial accession personnel.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1752.12	CNET	Not enough information is put in the 12 day "initial" course to do any good to new personnel.	DISAPPROVED. Wire Bundle Repair included in course as per MTRR.
D-602-1752	S-3 ELECTRICAL/INSTRUMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AE	8847	S3.98PMTRR.1752.13	CNET	Receiving new AE Airmen in the squadron who have not had initial course. After several months in squadron/shop., component location and basic troubleshooting skills have already been acquired.	DISAPPROVED. Wing and squadron manpower needs to work with detailers. CNAL/CNAP will coordinate to offset schedules to give sailors more opportunities to receive training.
D-602-1760	S-3 ENVIRONMENTAL CONTROL, MISCELLANEOUS UTILITIES, AND EGRESS SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AME	8346	S3.98PMTRR.1760.01	CNET	Course C-602-9879 does not provide training on ordnance.	CNET: Add 1 day (8.0 hours) to C-602-9879 for CADS.
D-602-1760	S-3 ENVIRONMENTAL CONTROL, MISCELLANEOUS UTILITIES, AND EGRESS SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AME	8346	S3.98PMTRR.1760.02	CNET	Information not found in testing and troubleshooting manual (NA 0153AAA-2-3.7) MTRR: Information in Testing and Troubleshooting NA01-S3AAA-2-3.7 about using ground air to check bleed air ducting for leaks.	Update C-602-9879 once IRAC is disseminated to Fleet for incorporation. No increase in course length authorized.
D-602-1762	S-3 ENVIRONMENTAL CONTROL, MISCELLANEOUS UTILITIES, AND EGRESS SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AME	8847	S3.98MTRR.1762.01	CNET	Teaching VIDS/MAF with no training for NALCOMIS.	Replace standard VIDS/MAF form with computer generated NALCOMIS VIDS/MAF.
D-602-1762	S-3 ENVIRONMENTAL CONTROL, MISCELLANEOUS UTILITIES, AND EGRESS	AME	8847	S3.98MTRR.1762.03	CNET	L.T. 1.3 does not contain information about NALCOMIS.	Revise C-602-9880 to include Lesson Topic on description and purpose of NALCOMIS.

	SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE						
D-602-1780	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AMH/ S	8346	S3.98PMTRR.1780.01	CNET	PRE-MTRR/MTRR: E-4s are not allowed to enroll in this course.	No action required.
D-602-1780	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AMH/ S	8346	S3.98PMTRR.1780.02	CNET	PRE-MTRR/MTRR: Course C-603-9876 Topics 3.9, 3.12, 3.15, and 3.18 need to be taught more indepth. Rigging can not be taught on a trainer and just from the book.	See Action Item S3.98PMTRR.1710.01 and S3.98PMTRR.1710.01A.
D-602-1780	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AMH/ S	8346	S3.98PMTRR.1780.03	CNET	PRE-MTRR: Paint and finish school. MTRR: Add a paint & finish school, since NADEP school is going away.	DISAPPROVED. NATEC should be used for Paint and Finish training.
D-602-1780	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AMH/ S	8346	S3.98PMTRR.1780.04	CNET	PRE-MTRR: Damper I.D. and servicing. MTRR: Dampers identification and servicing is needed.	Incorporate 16.0 hours only into C-603-9876 covering damper (3.0 hours class; 13.0 hours lab)
D-602-1780	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AMH/ S	8346	S3.98PMTRR.1780.05	CNET	PRE-MTRR: APU rigging needs more attention. MTRR: APU rigging needs to be more indepth; mechanical linkage, exhaust door, start valve package on detents on start valve package.	Incorporate 1.0 hour theory/7.0 hours lab (total 8.0 hours - 1 day) only. APU rigging mechanical linkage, exhaust door, and start valve.
D-602-1780	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AMH/ S	8346	S3.98PMTRR.1780.06	CNET	PRE-MTRR: Delete MAD Boom lesson. Info is useless to the fleet. MTRR: Delete MAD BOOM lesson topic 2.1 (1 hour). Info is useless to the fleet.	Remove MAD Boom Lesson Topic 2.1 (1.0 hour) from C-603-9876 curriculum.
D-602-1782	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AMH/ AMS	8847	S3.98MTRR.0175.001	CNET	PRE-MTRR/MTRR: Need instruction repair class which will include tools & usage. Fastener I.D. and how to extract fasteners.	
D-602-1782	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (INITIAL)	AMH/ AMS	8847	S3.98PMTRR.1782.01	CNET	1. PRE-MTRR: Basic Corrosion Control course C-600-3180 does not provide lab or any hands-on aircraft time.	DISAPPROVED. No action required. Squadron has option to increase Corrosion Control training by utilizing C-600-3180.

	ORGANIZATIONAL MAINTENANCE					2. PRE-MTRR: Need basic corrosion lesson (S-3 specific) should include in depth the special insp. 7 - 448 day. Also could use removal and treatment procedures. 1. MTRR: Basic corrosion does not provide lab or hands on aircraft time. 2. MTRR: Need basic corrosion lesson (S-3 specific). Should include indepth of the special inspection (7 - 448 day)	
D-602-1782	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AMH/ AMS	8847	S3.98PMTRR.1782.02	CNET	Course C-603-9877 needs more "hands-on" instruction per topic to provide better retention. MTRR: L.T.'s 2.3 & 2.13 & 3.7 needs more hands on instruction.	Revise C-603-9877 as follows: (No increase in course length authorized.) 1. LT 2.3 - change to 4 hours class 2 hours lab. 2. LT 2.13 - change to 2 hours class 2 hours lab. 3. LT 3.7 - change to 6 hours class 2 hours lab.
D-602-1782	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AMH/ AMS	8847	S3.98PMTRR.1782.03	CNET	Course C-603-9877 does not provide enough labs to students on several S-3 systems. MTRR: Does not provide enough labs to students on several S-3 systems. R&R tires, Hyd Patch Test, Brake, and Flight Controls.	Revise C-603-9877 as follows: (Increase curriculum 16.0 hours (2 days) only authorized.) 1. Add 8.0 hours for Tires/Brakes. 2. Add 8.0 hours for Hydraulic Patch Test.
D-602-1782	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AMH/ AMS	8847	S3.98PMTRR.1782.04	CNET	Course C-603-9877 practical training (hands-on) needs to be indepth. We learn as we hear, see, and do. MTRR: Practical training (hands-on) needs to be indepth.	See Action Item S3.98PMTRR.1710.01 and S3.98PMTRR.1710.01A.
D-602-1782	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AMH/ AMS	8847	S3.98PMTRR.1782.05	CNET	Course C-603-9877 covers publication and safety for all topics at the beginning of the training curriculum, which is the first couple of days. Publication and safety retention on different topics will be at it's lowest when topics are covered on day five. MTRR: Safety & publications need to be covered throughout course.	DISAPPROVED. Safety and publications are covered continously in the course.
D-602-1782	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AMH/ AMS	8847	S3.98PMTRR.1782.06	CNET	PRE-MTRR: Need windshield removal and replace lesson added to course. MTRR: Need windshield R&R lesson added to course.	Add 2.0 hours for windshield removal and replacement to C-603-9877 course.
D-602-1782	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (INITIAL)	AMH/ AMS	8847	S3.98PMTRR.1782.07	CNET	PRE-MTRR: Need multimeter class. MTRR: Need multimeter class.	Add 2.0 hours only to C-603-9877 to include multimeter use.

	ORGANIZATIONAL MAINTENANCE						
D-602-1782	S-3 AIRFRAMES AND HYDRAULIC SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AMH/ AMS	8847	S3.98PMTRR.1782.08	CNET	PRE-MTRR/MTRR: Need instruction repair class which will include tools & usage. Fastener I.D. and how to extract fasteners.	DISAPPROVED. Will introduce PRE-MTRR action item for "AM" A-school MTRR.
D-646-1744	S-3 ARMAMENT SYSTEMS (CAREER) ORGANIZATIONAL MAINTENANCE	AO	8347	NONE			THERE ARE NO OPEN ACTION ITEMS AGAINST THIS TRAINING REQUIREMENT.
D-646-1746	S-3 ARMAMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AO	8847	S3.98MTRR.1746.001	CNAL	S-3 connector and wire repair should be added to the AO initial pipeline.	Add C-602-3681 "S-3 Connector and Wire Repair Organizational Maintenance" course to pipeline. Update NITRAS/CANTRAC to reflect increase.
D-646-1746	S-3 ARMAMENT SYSTEMS (INITIAL) ORGANIZATIONAL MAINTENANCE	AO	8847	S3.98MTRR.1746.001A	CNAP	S-3 connector and wire repair should be added to the AO initial pipeline.	Add C-602-3681 "S-3 Connector and Wire Repair Organizational Maintenance" course to pipeline. Update NITRAS/CANTRAC to reflect increase.
E-102-6064	AN/APS-116 INTERMEDIATE MAINTENANCE TECHNICIAN	AT	6614	S3.98MTRR.6064.001	CNET	Students aren't familiar enough with procedures for breaking radar transmitter down to major subassemblies.	Include in 31.0 hours saved from Lesson Topics 1.5 and 3.8.
E-102-6064	AN/APS-116 INTERMEDIATE MAINTENANCE TECHNICIAN	AT	6614	S3.98PMTRR.6064.01	CNET	Course C-102-3679, Unit 1, Lesson Topic 1.5: Introduction to AN/APS-116 System. Training redundancy on transistor theory that students are trained in at "A" School and/or AFTA. 30 hours is far too long.	Reduce Lesson Topic 1.5 to 5.0 hours versus 30.0 hours. Add remaining 25.0 hours to Unit 2 Topic 2.5.
E-102-6064	AN/APS-116 INTERMEDIATE MAINTENANCE TECHNICIAN	AT	6614	S3.98PMTRR.6064.02	CNET	Course C-102-3679, Unit 3, Lesson Topic 3.8: Principles of Operation of the Transmitter/Voltage Regulator SRA Test Set OF-52. The SRA Test Set is unreliable and seldom used. The SRA's are troubleshot in the transmitter and subsequently repaired all while not utilizing the SRA Test Set. No need for theory if unit is not utilized.	Reduce Lesson Topic 3.8 to 6.0 hours versus 12.0 hours.
E-102-6064	AN/APS-116 INTERMEDIATE MAINTENANCE TECHNICIAN	AT	6614	S3.98PMTRR.6064.03	CNET	Course C-102-3679, Unit 3, Lesson Topic 3.10: Operational Test and Fault Isolation of the OF-52 SRA Test Set. This test set (OF-52) is unreliable and barely utilized.	DISAPPROVED. No action required. No change in course length or time.
E-102-6064	AN/APS-116 INTERMEDIATE MAINTENANCE	AT	6614	S3.98PMTRR.6064.04	CNET	Course C-102-3679, Unit 2, Lesson Topic 2.5: Operational and Test Fault Isolation to T-1203. Not	Increase Lesson Topic 2.5 by 31.0 hours utilizing saved time from Lesson Topics 1.5 and 3.8.

	TECHNICIAN					enough lab time on the T-1203 AN/APM-373 Test Bench.	
E-102-6067	AN/AAM-60 ELECTRO-OPTICAL SYSTEMS TEST SET (EOSTS) INTERMEDIATE MAINTENANCE	AT	6684	NONE			THERE ARE NO OPEN ACTION ITEMS AGAINST THIS TRAINING REQUIREMENT.
E-198-6003	AN/USM-403 HYBRID AUTOMATIC TEST SET (HATS) INTERMEDIATE MAINTENANCE	AT	6628	S3.98PMTRR.6003.01	CNET	Computer lesson 4 - Students need an understanding of how the computer works, but not an indepth breakdown. The computer assembly is a depot repair, but an understanding of how it works will give the students an edge on troubleshooting.	Revise C-198-3678 to redistribut time in Lesson Topic 3.1 to increase troubleshooting by reducing theory. No change in course length authorized.
E-198-6003	AN/USM-403 HYBRID AUTOMATIC TEST SET (HATS) INTERMEDIATE MAINTENANCE	AT	6628	S3.MTRR.6003.1	CNET		REVISE C-198-3678 TO INCLUDE PROCEDURES TO MANUALLY OPEN DISK DRIVE, AND DELETE DUPLICATE INFO (2.2.4 EO 5 & 7).
E-198-6004	AN/USM-403 HYBRID AUTOMATIC TEST SET (HATS) OPERATOR	AT	6619	S3.98PMTRR.6004.01	CNET	Programmable Power Supplies are discussed in Topics 2.1 and 2.2. Move info from 2.2 to 2.1 which is not covered in 2.1 and delete Prg Pwr Sup discussion from 2.2. Delete E.O. 2.8.	Revise C-198-3676 to move Programmable Power Supplies Enabling Objective from Topic 2.2 to Topic 2.1. No change in course length authorized.
E-198-6022	S-3 FORWARD LOOKING INFRARED (FLIR) SYSTEMS INTERMEDIATE MAINTENANCE	AT	6715	S3.98PMTRR.6022.01	CNET	Not enough time is spent adjusting/aligning the Dewar Detector Assembly. Technicians are not receiving sufficient knowledge and practice to perform task.	Revise C-102-3687 Topic 6.2 to increase time for adjusting and aligning the Dewar Detector Assembly. No change in course length authorized.
E-198-6022	S-3 FORWARD LOOKING INFRARED (FLIR) SYSTEMS INTERMEDIATE MAINTENANCE	AT	6715	S3.MTRR.6022.2A	CNAP		Update NITRAS to reflect Laser Safety CDP 549L at North Island.
E-198-6023	AN/SSM-9 VIDEO TEST STATION (VTS) OPERATOR	AT	6713	S3.98PMTRR.6023.01	CNET	Not enough time is spent with the disassembly and assembly of TDS and INCOS WRA's. More familiarization with the internal parts and subassemblies for all WRA's is needed.	Revise C-198-4873 to add TDS and INCOS WRA's for troubleshooting and testing. Length increase not to exceed 5 days.
E-198-6040	DYNAMIC ALIGNMENT TEST SET (DATS) INTERMEDIATE MAINTENANCE	AT	6660	S3.98MTRR.6040.001	CNET	NEC 6660 being replaced by NEC 6713. AN/SSM-9 Video Test Station (VTS) Intermediate Maintenance (E-198-6023) Replaces Dynamic Alignment Test Set (DATS) Intermediate Maintenance (E-198-6040).	Deactivate courses (C-198-3679 and C-198-3680), pending final approval letter from CNO to teach E-198-6023.
E-198-6040	DYNAMIC ALIGNMENT TEST SET (DATS) INTERMEDIATE MAINTENANCE	AT	6660	S3.98MTRR.6040.001A	CNAP	NEC 6660 being replaced by NEC 6713. AN/SSM-9 Video Test Station (VTS) Intermediate Maintenance (E-198-6023) Replaces Dynamic Alignment Test Set (DATS) Intermediate Maintenance (E-198-6040).	Revise NITRAS/CANTRAC and recode NEC 6660 billets to NEC 6713.

E-198-6040	DYNAMIC ALIGNMENT TEST SET (DATS) INTERMEDIATE MAINTENANCE	AT	6660	S3.98MTRR.6040.001B	CNAL	NEC 6660 being replaced by NEC 6713. AN/SSM-9 Video Test Station (VTS) Intermediate Maintenance (E-198-6023) Replaces Dynamic Alignment Test Set (DATS) Intermediate Maintenance (E-198-6040).	Revise NITRAS/CANTRAC and recode NEC 6660 billets to NEC 6713.
E-601-3010	TF-34 ENGINE AND RELATED SYSTEMS INTERMEDIATE MAINTENANCE	AD	6421	S3.98PMTRR.3010.01	CNET	Too much time is devoted for Topic 4.1 (Preservation and Depreservation for Disassembly); theory 1.0 hour, lab 8.0 hours. And no discussion on VG rigging, which is very important in the fleet. MTRR: No discussion on VG rigging, which is very important in the fleet. Too much time for pres/depres for disassembly L.T. 4.1.	Revise C-601-3677 as follows: (No increase in course length authorized. 1. Add VG Rigging; 2.0 hours theory, 5.0 hours lab. 2. Reduce Preservation/Depreservation theory to 1.0 hour. 3. Reduce Preservation/Depreservation lab to 1.0 hour.
E-601-3010	TF-34 ENGINE AND RELATED SYSTEMS INTERMEDIATE MAINTENANCE	AD	6421	S3.98PMTRR.3010.02	CNET	Too much time is being devoted to teach the Power Control System.	Shift 4.0 hours from Power Control System to Lesson Topic 4.10.
E-601-3010	TF-34 ENGINE AND RELATED SYSTEMS INTERMEDIATE MAINTENANCE	AD	6421	S3.98PMTRR.3010.03	CNET	Course C-601-3677 class convenes even with only one student. This poses a safety hazard for the student and the instructor. MTRR: Class convenes even with only one student.	DISAPPROVED. NAMTRAGRUDET needs to coordinate with commands for scheduling.
E-601-3010	TF-34 ENGINE AND RELATED SYSTEMS INTERMEDIATE MAINTENANCE	AD	6421	S3.98PMTRR.3010.04	NAVAIR	Tools in NAMTRAGRUDET need to be updated. We are still using the old tools, no new tools are being sent our way. Same for outfitting the QEC for the engine. MTRR: Tools need to be updated; still using old tools the same for outfitting the QEC for the engine.	NAVAIR (PMA205/PMA-290): Acquire tools to support NAMTRAGRU.
E-601-3010	TF-34 ENGINE AND RELATED SYSTEMS INTERMEDIATE MAINTENANCE	AD	6421	S3.98PMTRR.3010.05	CNET	The course (C-601-3677) is still being taught on horizontal buildup. (The old method of building the engine.) MTRR: Course still being taught horizontal buildup.	CNET: Conduct study on cost effectiveness/true requirement, including vertical build-up of an engine in curriculum. Study to be completed by 01 Mar 99.
E-601-3010	TF-34 ENGINE AND RELATED SYSTEMS INTERMEDIATE MAINTENANCE	AD	6421	S3.98PMTRR.3868.02	CNAP	No NEC is awarded after school completion.	Add C-601-3868 to E-601-3010 pipeline; increase length 2 weeks only authorized. Revise NITRAS/CANTRAC data.
E-602-5XXX	S-3B AUTOMATIC FLIGHT CONTROL AND ELECTRICAL SYSTEMS INTERMEDIATE MAINTENANCE	AE	71XX	620.MTRR.S3B1.1	CNAP		1. ESTABLISH TRACK IN NITRAS. 2. SUBMIT NEC REQUEST VIA CNAL. 3. AVCM KRAMAR (EPMAC CODE 50) TO RECODE S-3B TRAINED NEC 7136 PERSONNEL TO THE NEW NEC 71XX S-3 NEC.