



**AE CAREER PATH
SELECTED RESERVE (SELRES)**

Aviation Electronic-(AE), Electrical and Computer Systems Technicians work with some of the most advanced electronics equipment in the world and repair a wide range of aircraft electrical and electronic systems. Repair jobs can range from trouble-shooting the computer-controlled weapon system on an F/A-18 Hornet to changing circuit cards or tracing electrical wiring diagrams in an air-conditioned shop. Most of these technicians are trained in computers to support state-of-the-art equipment or on power generators and power distribution systems to support aircraft electrical systems.

YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/SHORE ROTATION	TYPICAL CAREER PATH DEVELOPMENT
26-30	AVCM	20.9 Yrs	CSEL	N/A	Billet: CSEL, MMCPO, SEA
23-26	AVCM AECS	20.9 Yrs 16.3	CSEL, CWO	N/A	Billet: CSEL, MMCPO, SEA Duty: Squadron, CNAFR, SEA. Qualification: 724B, 770B, SEA Instructor
20-23	AVCM AECS AEC	20.9 Yrs 16.3 14.3	CSEL, CWO	N/A	Billet: CSEL, MMCPO, MSCPO, SEA, Maintenance Control LCPO/CPO, QA CPO, Department or Division LCPO/CPO Duty: Squadron, TSU, SEA, ST, SPAWAR, CNAP. Qualification: 770B, SFF, SFM, FSQAR, QAR, SEA Instructor, UAS Operator
16-20	AECS AEC AE1	16.3 Yrs 14.3 11.1	MECP, OCS, CWO, CSEL, Drug and Alcohol Counselor, Command Fitness Leader, SAPR	N/A	Billet: MSCPO, Maintenance Control CPO/LPO, QA CPO/LPO, Department or Division CPO/LPO Duty: Squadron, TSU, ST, SPAWAR, USFF. Qualification: 770B, SFF, SFM, FSQAR, QAR, UAS Operator
12-16	AEC AE1	14.3 Yrs 11.1	MECP, OCS, LDO, CWO, Equal Opportunity Advisor, Drug and Alcohol Counselor, Command Fitness Leader, SAPR	N/A	Billet: Maintenance Control CPO/LPO, QA CPO/LPO, Department or Division CPO/LPO Duty: Squadron, TSU, ST, SPAWAR, USFF. Qualification: EAWS, 770B, SFF, SFM, FSQAR, QAR, UAS Operator
8-12	AE1 AE2	11.1 Yrs 5.5	MECP, OCS, LDO	N/A	Billet: Maintenance Control Supervisor, QA Supervisor, QA LPO/Supervisor, Work Center LPO/Supervisor Duty: Squadron, TSU, ST, USFF. Qualification: EAWS, SFF, FSQAR, QAR, CDI, UAS Operator



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4-8	AE2 AE3	5.5 Yrs 4.3	MECP, STA-21, Naval Academy, NROTC, LDO	N/A	Billet: Electrical Maintenance Technician, Supervisor, Battery Locker Supervisor, Work Center Supervisor, QA, Instructor. Duty: Squadron, ST, SAU. Qualification: EAWS, Plane Captain, CDI, Supervisor, Turn Qual, UAS Operator
1-4	AE2 AE3	5.5 Yrs 4.3	MECP, STA-21, Naval Academy, NROTC, Drug and Alcohol Intern	N/A	Billet: Electricians Mate, Plane Captain, CDI. Duty: Squadron, ST, SAU. Qualification: EAWS, Plane Captain, Turn Qual, UAS Operator
1+/-	AEAN AEAA Accession Training	9 Months		N/A	Recruit Training (8 weeks), 'A' School (8 weeks), 'C' School for aircraft platform or FRC.

Notes:

1. "A" school is required.
2. This is a compression rating - AE/AT at the Master Chief paygrade.
3. Per the Advancement Manual (BUPERSINST 1430.16F), advancement to AVCM requires citizenship and access to classified information prior to advancement eligibility.
4. AE Rating requires a DONCAF adjudicated security clearance and is not waiverable.
5. NECs held by AEs:
 - 700A: Unmanned Aerial Vehicle (UAV) External Pilot ¹
 - 701A: Unmanned Aerial Vehicle (UAV) Internal Pilot ¹
 - 702A: Unmanned Aerial Vehicle (UAV) Payload Operator ¹
 - 724B: Aviation Maintenance Material Control Master Chief
 - 730A: Miniature/Microminiature Module Test and Repair (2M MTR) Technician ¹
 - 768B: Airborne Mine Countermeasure Systems Career Maintenance (AMCM) Technician (Level I and O) ¹
 - 770B: Aviation Maintenance/Production Chief
 - 772B: Miniature/Microminiature Electronic Repair Inspector ¹
 - 780A: F-35C Aircraft Systems Organizational Maintenance Technician
 - 783A: Microminiature Electronic Repair Technician ¹
 - 784A: Miniature Electronic Repair Technician ¹
 - 805A: Master Training Specialist ¹
 - 833A: Disaster Preparedness Operations and Training Specialists
 - E00A: CMV-22 Systems Organizational Maintenance Technician



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- E04A: MH-53E Systems Organizational Maintenance Technician
- E06A/E29A: E-2C Group II Systems Organizational Career Maintenance Technician
- E10A: C-40A Systems Organizational Maintenance Technician
- E14A: C-130 Systems Organizational Maintenance Technician
- E15A/E34A: P-3 Systems Organizational Career Maintenance Technician
- E17A: P-8A Aircraft Systems Organizational Career Maintenance Technician
- E19A/E38A: F/A-18E/F Systems Organizational Career Maintenance Technician
- E20A/E39A: F/A-18 A/B/C/D Systems Organizational Maintenance Technician
- E22A: MQ-8B Organizational Maintenance Technician ¹
- E23A/E41A: H-60 Systems Organizational Career Maintenance Technician
- E24A/E42A: MH60R/S Electrical Systems Organizational Career Maintenance Technician
- I44A: P-3/C-130/E-2/C-2 Electrical Component IMA Technician

NEC Notes:

(1) NEC not applicable to SELRES billets – NEC may be previously earned on Active Component and carried over to Reserve Component affiliation

6. ACRONYMS SPECIFIC TO THE AE RATE INCLUDE:

2M	Miniature/Microminiature Electronic Repair
CDI	Collateral Duty Inspector
CDQAR	Collateral Duty Quality Assurance Representative
CNAP	Commander Naval Air Forces Pacific
EAWS	Enlisted Aviation Warfare Specialist
FRC	Fleet Readiness Center
FSQAR	Full System Quality Assurance Representative
HM	Helicopter Mine Countermeasures Squadron (MH-53E platform)
HSC	Helicopter Sea Combat Squadron (MH-60S platform)
HSM	Helicopter Maritime Strike Squadron
MSCPO	Maintenance Senior Chief
NASC	Naval Aviation Schools Command – Pensacola
NRPDC	Navy Reserve Professional Development Center – New Orleans
QAR	Quality Assurance Representative
QAS	Quality Assurance Supervisor
SEL	Senior Enlisted Leader
SFF	Safe for Flight
SFM	Safe for Mission
ST	SEAL Team (SEAL Team 17 and SEAL Team 18)
TSC	Tactical Support Center
UAS	Unmanned Aircraft Systems
USFF	US Fleet Forces Command
VAQ	Electronic Attack Squadron (EA-18G platform)
VAW	Carrier Airborne Early Warning (E-2/C-2 platform)
VFA	Strike Fighter Squadron (F/A-18A platform)
VFC	Fighter Squadron Composite (F/A-18A platform – providing adversary training)
VP	Patrol Squadron (P-3/P-8 platform)
VR	Fleet Logistics Support Squadron (C-20/C-37/C-40/C-130 platform)

Considerations for advancement from E6 to E7

1. Sea Assignments
 - Documentation of utilizing in-rate qualifications:



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- Collateral Duty Inspector (CDI)
- Quality Assurance Representative (QAR)
- At least one warfare pin (AW primary)
- Should have previously served or is currently serving as LPO of:
 - Production Division
 - Work Center
 - Quality Assurance
 - Maintenance Control
- Safe-For-Flight (SFF)/Safe-For-Mission (SFM) Qualification **O-Level (Squadron)**
 - ***SFF/SFM qualification is not required for advancement to E-7 but is considered to be the pinnacle of aviation maintenance qualifications. E-6's holding the SFF/SFM qualification should be given appropriate consideration for advancement due to the nature of the qualification.
- Upper-level qualifications
 - Full Systems Quality Assurance Representative (FSQAR) / High-Power / Low-Power Turn Qualification. Not required but a good indicator of character and ability to operate responsibly.
- Command Collateral duties with documented impact.
- FCPOA with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- SAILOR 360 with strong involvement and documented impact. Special consideration should be given to those in leadership positions.

2. Shore Assignments

- Fleet Replacement Squadron (FRS). There is no special screening for FRS Squadrons. However, FRS should be considered arduous duty due to the nature of operations.
 - Squadron Augment Units (SAU) and Tactical Support Units (TSU) augment and support Fleet Replacement Squadrons and type wing operational requirements.
- I-Level shore facility favorable positions include:
 - Production Control LPO
 - Quality Assurance LPO
 - Upper-level qualifications
 - Production Division Quality Assurance Representative (QAR) / High-Power / Low-Power Turn Qualification (400 Division Personnel). Not required but a good indicator of character and ability to operate responsibly.
 - Lean Six Sigma Green Belt or Black Belt
- O-Level (Squadron/SAU) favorable positions include:
 - Safe-For-Flight/Safe-For-Mission (SFM) Qualification
 - ***SFF/SFM qualification is not required for advancement to E-7 but is considered the pinnacle of maintenance qualifications. E-6's holding the SFF/SFM qualification should be given appropriate consideration for advancement due to the nature of the qualification.
 - Upper-level qualifications
 - Full Systems Quality Assurance Representative (FSQAR)/High-Power/Low-Power Turn Qualification. Not required but a good indicator of character and ability to operate responsibly.
- Command Collateral duties with documented impact.
- First Class Petty Officer Association (FCPOA) with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- SAILOR 360 with strong involvement and documented impact. Special consideration should be given to those in leadership positions.



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Considerations for advancement from E7 to E8

1. Sea Assignments

- At least one warfare pin (AW primary)
- Safe for Flight (SFF)/Safe-For-Mission Qualification if stationed at the **O-Level (Squadron)**
 - SFF/SFM Qualified on at least one aircraft platform
- At least 12 months in a command role/billet:
 - Maintenance LCPO
 - QA LCPO
 - Detachment LCPO
- Strong consideration for personnel designated as a Detachment LCPO:
 - Rescue DETs and/or new delivery aircraft do NOT qualify as Detachment LCPO
- Command Collateral duties with documented impact.
- Chief Petty Officer Association (CPOA) with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- CPO Initiation with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- SAILOR 360 with strong involvement and documented impact. Special consideration should be given to those in leadership positions.

2. Shore Assignments

- At least one warfare pin (AW primary)
- Fleet Replacement Squadron (FRS). There is no special screening for FRS Squadrons. However, FRS should be considered arduous duty due to the nature of operations.
 - Squadron Augment Units (SAU) and Tactical Support Units (TSU) augment and support Fleet Replacement Squadrons and type wing operational requirements.
- Strong consideration for certain successful tours which demonstrate leadership, character, and ability to communicate effectively.
 - NOSC SEL
 - Attainment of 805A Instructor NEC and Master Training Specialist (MTS) qualification if eligible
- I-Level shore facility favorable positions include:
 - Production Control LCPO
 - Quality Assurance LCPO
 - Upper-level qualifications
 - Production Division Quality Assurance Representative (QAR) / High-Power / Low-Power Turn Qualification (400 Division Personnel). Not required but a good indicator of character and ability to operate responsibly.
 - Lean Six Sigma Green Belt or Black Belt
- Command Collateral duties with documented impact.
- CPOA with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- CPO Initiation with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- SAILOR 360 with strong involvement and documented impact. Special consideration should be given to those in leadership positions.

Considerations for advancement from E8 to E9



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1. Sea Assignments

- The 724B **OR** 770B NEC is required for advancement to E9.
- Senior Enlisted Academy or other service equivalent (required)
- Successfully lead a Maintenance Department
- At least 12 months in a command role/billet
 - Maintenance SCPO- **SHALL** be Safe For Flight/Safe For Mission
 - Completion of an inspection cycle (AMI/MCI/MPA, etc.)
 - QA SCPO
 - Completion of an inspection cycle (AMI/MCI/MPA, etc.)
- At least one warfare pin (AW Primary)
- Senior Enlisted Leader during absence of incumbent
 - Not required for advancement however a positive indicator of responsibility, character, competence and integrity.
- Command Collateral duties with documented impact.
- CPOA with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- CPO Initiation with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- SAILOR 360 with strong involvement and documented impact. Special consideration should be given to those in leadership positions.

2. Shore Assignments

- The 724B **OR** 770B NEC is required for advancement to E9.
- Senior Enlisted Academy or other service equivalent (Required)
- At least 12 months in a command role / billet
 - Maintenance SCPO (O-Level)- **SHALL** be Safe For Flight/Safe For Mission
 - Completion of an inspection cycle (AMI/MCI/MPA, etc.)
 - Production SCPO (I-Level)
 - Completion of an inspection cycle (AMI/MCI/MPA, etc.)
 - QA SCPO
 - Completion of an inspection cycle (AMI/MCI/MPA, etc.)
- Fleet Replacement Squadron (FRS). There is no special screening for FRS Squadrons. However, FRS should be considered arduous duty due to the nature of operations.
 - Squadron Augment Units (SAU) and Tactical Support Units (TSU) augment and support Fleet Replacement Squadrons and type wing operational requirements.
- I-Level shore facility:
 - Production Division LCPO
 - Quality Assurance LCPO
 - Production Control LCPO
- Strong consideration for certain successful tours which demonstrate leadership, character, and ability to communicate effectively.
 - NOSC SEL
- Senior Enlisted Leader during absence of incumbent
 - Not required for advancement however a positive indicator of responsibility, character, competence and integrity.
- At least one warfare pin (AW Primary)
- Command Collateral duties with documented impact.
- CPOA with strong involvement and documented impact. Special consideration should be given to those in leadership positions.



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- CPO Initiation with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- SAILOR 360 with strong involvement and documented impact. Special consideration should be given to those in leadership positions.