



AE CAREER PATH SELECTED RESERVE (SELRES)



Aviation Electrician's Mates (AE) are responsible for maintaining, testing, troubleshooting and repairing complex electrical and electronic systems and instruments using the latest test equipment and procedures. AE's perform duties at sea and ashore around the world. Your position may take you from land-based aircraft squadrons to seafaring aircraft carriers. Work is performed both indoors and outdoors in shop environments, offices, clean labs or garages. AEs can expect to receive specialized training on specific aircraft or equipment relevant to your assignment before reporting for operational activities. AE's may be assigned to naval air stations, squadrons, aircraft carriers or other aviation facilities in the United States or overseas. As an AE, you can expect approximately 60 percent of your assignments to take place at sea.

YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/SHORE ROTATION	TYPICAL CAREER PATH DEVELOPMENT
26-30	AVCM	23.4 Yrs	CSEL	N/A	Billet: CSEL, MMCPO, SEA
23-26	AVCM AECS	23.4 Yrs 16.4	CSEL	N/A	Billet: CSEL, MMCPO, SEA Duty: Squadron, CNAFR, SEA. Qualification: 724B, 770B, SEA Instructor
20-23	AVCM AECS AEC	20.9 Yrs 16.4 15	CSEL	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	16.4 Yrs 15 10.3	CWO, CSEL	N/A	Billet: MSCPO, Maintenance Control CPO/LPO, QAO, 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	15 Yrs 10.3	OCS, LDO, CWO	N/A	Billet: Maintenance Control CPO/LPO, QAS, QA CPO/LPO, Department or Division CPO/LPO Duty: Squadron, TSU, ST, SPAWAR, USFF. Qualification: EAWS, 770B, SFF, SFM, FSQAR, QAR, UAS Operator.



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8-12	AE1 AE2	10.3 Yrs 5.5	STA-21, OCS, LDO	N/A	Billet: Maintenance Control Supervisor, QA LPO/Supervisor, Work Center LPO/Supervisor Duty: Squadron, TSU, ST, USFF. Qualification: EAWS, SFF, FSQAR, QAR, CDI, UAS Operator.
4-8	AE2	5.5 Yrs	STA-21, OCS, Naval Academy	N/A	Billet: Electrical Maintenance Technician, 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 30 Months	STA-21, OCS, Naval Academy	N/A	Billet: Electricians Mate, Plane Captain, CDI. Duty: Squadron, ST, SAU. Qualification: Aircraft Handler, Plane Captain, 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 ratings compress to AV rating at Master Chief.
3. Per the Advancement Manual (BUPERSINST 1430.16G), advancement to AVCM requires citizenship and access to classified information prior to advancement eligibility.
4. AE Rating requires a DONCAF adjudicated security clearance. No exceptions. No waivers.
5. SHALL have at least one warfare pin (AW primary) when stationed at a Squadron or FRC.
6. 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/O)
 - 770B: Aviation Maintenance/Production Chief
 - 772B: Miniature/Microminiature Electronic Repair Inspector ¹



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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
 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
 E45A: C-130 Systems Organizational Maintenance Technician Journeyman/Collateral Duty Inspector
 E46A: C-130 Systems Organizational Maintenance Quality Assurance Representative (QAR)
 E47A: C-130 Systems Organizational Maintenance Safe For Flight Certifier
 E48A: C-40 Systems Organizational Maintenance Technician Journeyman/Collateral Duty Inspector
 E49A: C-40 Systems Organizational Maintenance Quality Assurance Representative
 E50A: C-40 Systems Organizational Maintenance Safe For Flight Certifier
 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.

7. ACRONYMS SPECIFIC TO THE AE RATE INCLUDE:

2M:	Miniature/Microminiature Electronic Repair
AMMT:	Aviation Maintenance Management Team
CDI:	Collateral Duty Inspector
CDQAR:	Collateral Duty Quality Assurance Representative
CNAFR:	Commander, Naval Air Force Reserve
CNAP:	Commander, Naval Air Force, U.S. Pacific Fleet
CPO:	Chief Petty Officer
CSEL:	Command Senior Enlisted Leader
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
LCPO:	Leading Chief Petty Officer
LPO:	Leading Petty Officer
MMCPO:	Maintenance Master Chief Petty Officer
MSCPO:	Maintenance Senior Chief
NASC:	Naval Aviation Schools Command – Pensacola
NRPDC:	Navy Reserve Professional Development Center – New Orleans
QA:	Quality Assurance
QAO:	Quality Assurance Officer
QAR:	Quality Assurance Representative
QAS:	Quality Assurance Supervisor
SEA:	Senior Enlisted Academy



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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-37/C-40/C-130 platform)
VRM:	Fleet Logistic Multi-Mission Squadron (CMV-22)

Considerations for advancement from E6 to E7

1. Sea Assignments

- Documentation of **utilizing** in-rate qualifications:
 - Collateral Duty Inspector (CDI)
 - Quality Assurance Representative (QAR)
- At least one warfare pin (AW primary)
- Detachment LPO- strong consideration should be given to those on detachment in leadership positions
- Should have previously served or is currently serving as LPO of:
 - Production Division
 - Work Center
 - Quality Assurance
 - Maintenance Control.
- Should have demonstrated usage of upper-level qualifications to include:
 - Full Systems Quality Assurance Representative (FSQAR)
 - High-Power / Low-Power Engine Turn Qualification.
 - Not required but a good indicator of character and ability to operate responsibly.
 - Safe-For-Flight (SFF) Qualification **O-Level (Squadron)**
 - SFF qualification is not required for advancement to E-7 but is considered to be the pinnacle of aviation maintenance qualifications. E-6s holding the SFF qualification should be given appropriate consideration for advancement due to the nature of the qualification.
- Command Collateral duties with documented impact.
- Strong consideration for those with documented completion of a successful inspection cycle (AMI/MCI/MPA, NATOPS, etc.)
- 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.
- Advanced Leadership Development Course (ALDC) Completion.

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 FRS and type wing operational requirements.
- (FRS/SAU/TSU) favorable positions include:
 - Work Center LPO
 - Quality Assurance LPO
 - Maintenance Control LPO



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- Upper-level qualifications are not required but are a good indicator of character and ability.
 - High-Power/Low-Power EngineTurn Qualification.
 - Full Systems Quality Assurance Representative (FSQAR) 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.
- I-Level shore facility favorable positions include:
 - Work Center LPO
 - Quality Assurance LPO
 - Production Control LPO/400 Div Production Control LPO
- Documentation of **utilizing** in-rate qualifications:
 - Qualified Collateral Duty Inspector (CDI)
 - Quality Assurance Representative (QAR)
 - Personnel assigned to Production Control **SHALL** complete the Production Control (IMA) PQS. E-6's holding the Production Control qualification should be given appropriate consideration for advancement due to the nature of the qualification.
- Lean Six Sigma Green Belt qualified or Black Belt qualified
- Upper-level qualifications:
 - Production Division Quality Assurance Representative (QAR)
 - Engine Test Cell qualified (400 Division personnel - not required but a good indicator of character and ability to operate responsibly).
- Personnel assigned to RTC, OTC and Naval Academy as a Recruit Division Commander, are carefully screened and selected for this high priority assignment.
- Strong consideration for certain successful tours, which demonstrate leadership, character, and ability to communicate effectively.
 - Instructor/TYCOM/WING
 - Attainment of 805A Instructor NEC and Master Training Specialist (MTS) qualification if eligible.
- Command Collateral duties with documented impact.
- Strong consideration for those with documented completion of a successful inspection cycle (AMI/MCI/MPA, NATOPS, etc.)
- 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.
- Advanced Leadership Development Course (ALDC) Completion.

Considerations for advancement from E7 to E8

1. Sea Assignments:

- At least one warfare pin (AW primary)
- NEC: 770B Aviation Maintenance / Production Chief- shall hold if given the opportunity to obtain.
- Safe for Flight (SFF) / Safe for Mission (SFM) Qualification if stationed at the **O-Level (Squadron)**
 - SFF/SFM Qualified on at least one aircraft platform
- Minimum 12 months of combined documented performance in a command role/billet:
 - Maintenance Control LCPO
 - QA LCPO
 - QAS/QAO
 - Special Reconnaissance Team (SRT) LCPO
- Strong consideration for personnel with demonstrated performance as a Detachment LCPO:
 - Rescue DETs and/or new delivery aircraft DO NOT qualify as Detachment LCPO



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- Strong consideration for personnel designated as a COR/ACOR/TPOC/GGFR/GGR at a contract maintenance command or any squadron that manages contract maintenance due to the additional level of responsibility that comes with these roles.
- Strong consideration for arduous duty as Aviation Maintenance Management Team (AMMT), which demonstrates leadership, character, and ability to communicate effectively.
- Command Collateral duties with documented impact.
- Strong consideration for those with documented completion of a successful inspection cycle (AMI/MCI/MPA, NATOPS, etc.)
- 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.
- Chief Petty Officer Leadership Development Course (CPO-LDC) Completion.

2. Shore Assignments:

- At least one warfare pin (AW primary) if given an opportunity.
- NEC: 770B Aviation Maintenance / Production Chief- shall hold if given the opportunity to obtain
- Staff Duty
 - TYCOM Advisor/WING Inspector/Rating Detailer
- 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.
- Minimum 12 months of combined documented performance in a command role/billet:
 - Maintenance Control LCPO
 - QA LCPO
- I-Level Shore Facility
 - Minimum 12 months of combined documented performance in a command role/billet such as:
 - Production Division LCPO
 - Quality Assurance LCPO
 - Production Control LCPO
 - Upper-level qualifications not required but a good indicator of character and ability.
 - Production Division Quality Assurance Representative (QAR)
 - Engine Test Cell Qualification (400 Division Personnel).
 - Lean Six Sigma Green Belt Qualified or Black Belt Qualified
- Personnel assigned to RTC, OTC and Naval Academy as a Recruit Division Commander, are carefully screened and selected for this high priority assignment.
- When assigned to a Navy Reserve Activity, completion of the Navy Reserve Activity Staff Personnel Qualification Standard (PQS) - NAVEDTRA 43075-A series should be completed during an assignment.
- Strong consideration for certain successful tours, which demonstrate leadership, character, and ability to communicate effectively.
 - NRC SEL/Instructor/TYCOM/WING
 - Attainment of 805A Instructor NEC and Master Training Specialist (MTS) qualification if eligible
- Strong consideration for personnel designated as COR/ACOR/TPOC/GGFR/GGR at a contract maintenance command or any squadron that manages contract maintenance due to the additional level of responsibility that comes with these roles.
 - Command Collateral duties with documented impact.
 - Strong consideration for those with documented completion of a successful inspection cycle (AMI/MCI/MPA, NATOPS, etc.)



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- 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.
 - Chief Petty Officer Leadership Development Course (CPO-LDC) Completion.

Considerations for advancement from E8 to E9

1. Sea Assignments

- Shall hold 724B NEC, if given the opportunity to obtain, as it is the pinnacle NEC qualification, unless member is assigned to a billet on the Aviation Maintenance Management Team (AMMT).
- Strong consideration for arduous duty as Aviation Maintenance Management Team (AMMT), which demonstrates leadership, character, and ability to communicate effectively.
- Strong consideration for personnel designated as COR/ACOR/TPOC/GGFR/GGR at a contract maintenance command or any squadron that manages contract maintenance due to the additional level of responsibility that comes with these roles.
- Senior Enlisted Academy or other service equivalent (required)
- Successfully lead a Maintenance Department with a minimum of 12 months combined in a command role/billet:
 - MSCPO - Qualified Safe for Flight
 - Strong consideration for those with documented completion of a successful inspection cycle (AMI/MCI/MPA, etc.)
 - QAO/QAS
 - Strong consideration for those with documented completion of a successful 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.
- Strong consideration for those with documented completion of a successful inspection cycle (AMI/MCI/MPA, NATOPS, etc.)
- 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

- Shall hold 724B NEC, if given the opportunity to obtain, as it is the pinnacle NEC qualification.
- Senior Enlisted Academy or other service equivalent (Required)
- At least 12 months in a command role / billet
 - MSCPO (FRS/SAU/TSU) – Qualified Safe for Flight/Safe for Mission
 - Strong consideration for those with documented completion of a successful inspection cycle (AMI/MCI/MPA, etc.)
 - Production SCPO (I-Level)
 - Strong consideration for those with documented completion of a successful inspection cycle (AMI/MCI/MPA, etc.)
 - QAO/QAS
 - Strong consideration for those with documented completion of a successful inspection cycle (AMI/MCI/MPA, etc.)



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- Staff Duty
 - TYCOM Advisor/WING Inspector/Enlisted Community Manager
- 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.
- Personnel assigned to RTC, OTC and Naval Academy as a Recruit Division Commander, are carefully screened and selected for this high priority assignment.
- I-Level shore facility:
 - Strong consideration for those with documented completion of a successful inspection cycle (AMI/MCI/MPA, etc.) and serving in one of the following billets:
 - Production Division LCPO
 - Quality Assurance LCPO
 - Production Control LCPO
- Strong consideration for certain successful tours, which demonstrate leadership, character, and ability to communicate effectively.
 - NRC SEL/TYCOM/WING
- Strong consideration for personnel designated as COR/ACOR/TPOC/GGFR/GGR at a contract maintenance command or any squadron that manages contract maintenance due to the additional level of responsibility that comes with these roles.
- 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) if given opportunity.
- Command Collateral duties with documented impact.
- Strong consideration for those with documented completion of a successful inspection cycle (AMI/MCI/MPA, NATOPS, etc.)
- 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.

Commissioning/Other Special Programs:

Commissioning Programs - [Commissioning Programs \(navy.mil\)](https://www.navy.mil/commissioning)

CSEL Program - [Pages - CMC CSC Program \(navy.mil\)](https://www.navy.mil/csel)