



**GSE CAREER PATH  
(SW)**



Gas Turbine Technicians (Electrical) (GSE). GSEs operate, repair, and perform organizational and intermediate maintenance on electrical components of gas turbine engines, main propulsion machinery, auxiliary equipment, propulsion control systems, and assigned electrical and electronic circuitry up to the printed circuit and alarm warning circuitry.

<b>YEARS OF SERVICE</b>	<b>CAREER MILESTONES</b>	<b>AVERAGE TIME TO ADVANCE</b>	<b>COMMISSIONING OR OTHER SPECIAL PROGRAMS</b>	<b>SEA/ShORE FLOW</b>	<b>TYPICAL CAREER PATH DEVELOPMENT</b>
28-30	GSCM	21.6 Yrs	CSEL, ECM	36	4 <sup>th</sup> Shore Tour Billet: ECM/TECHAD, Training Manager, Ship Sup, ATG Lead, MGTI. Duty: BUPERS, Squadron, Schoolhouse
25-28	GSCM	21.6 Yrs	CSEL	48	4 <sup>th</sup> Sea Tour Billet: Dept LCPO, MGTI. Duty: CG/DDG/LCS/LHA/LHD, DESRON, CCSG. Qualification: EOOW, PCO, ETT Coordinator
21-25	GSCM GSCS	21.6 Yrs 16.1	CWO, CSEL, ECM, RDC, Recruiter	36	3 <sup>rd</sup> Shore Tour Billet: ECM/TECHAD, Dept LCPO, Recruiter, RDC, Instructor, Ship Sup, Lead Technician, MGTI. Duty: BUPERS, RTC, RMC, Ship Sup, SWSC, Squadron, NRD, RTC. Qualification: ATS, MTS, School: MGTI, SEA
17-21	GSCS GSEC	16.1 Yrs 11.1	CWO, CSEL	48	3 <sup>rd</sup> Sea Tour Billet: Dept LCPO, Div. LCPO, MGTI. Duty: ACU/CG/DDG/LCS/LHA/LHD. Qualification: ESWS, Engine room Operator, Engineering Propulsion Technician (EPT), Engineering Controls Operator (ECO), PACC, EPCC, EOOW, RCO GSCS- ETT Coordinator. School: Prop Plant Mgr (U16A NEC)
14-17	GSEC GSE1	11.1 Yrs 6.9	LDO, CWO, RDC, Recruiter	36	2 <sup>nd</sup> Shore Tour Billet: Instructor, Maintainer Duty: ATG, RMC, SWSC, RTC. Qualification: ATS, MTS, NAMTS School: MGTI



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9-14	GSE1 GSE2	6.9 Yrs 3.4	LDO, OCS	60	2 <sup>nd</sup> Sea Tour Billet: Technician, LPO. Duty: ACU/CG/DDG/ LHA/ LHD/LCS. Qualification: EAWS, ESWS, Engine Room Operator (ERO), Engineering Propulsion Technician (EPT), Engineering Controls Operator (ECO), PACC, EPCC, EOOW, RCO, EDO, ETT. School: Prop Plant Manager(NEC U16A)
6-9	GSE1 GSE2 GSE3	6.9 Yrs 3.4 1.6	STA-21, OCS, MECP, NAVAL ACADEMY, NROTC	36	1 <sup>st</sup> Shore Tour Billet: Instructor, Recruiter, Maintenance Technician. Duty: Recruiter, NSYD, RMC, ATG, SWSC. Qualification: MTS, ATS, Inspector, NAMTS
2-6	GSE2 GSE3	3.4 Yrs 1.6	STA-21, OCS, MECP, NAVAL ACADEMY, NROTC	52	1 <sup>st</sup> Sea Tour Billet: Maintenance Technician. Duty: ACU/CG/DDG/LHA/ LHD. Qualification: WCS, ESWS, ERO, EAWS.
1+/-	GSEFN GSEFA Accession Training	9 Months			Recruit Training, "A" and "C" Schools.

Notes:

1. "A" school is required.
2. This is a compression rating. GSM and GSE ratings compress to GS rating at Senior Chief
3. In rate shore duty is normally limited to "A" or "C" School Instructor and SIMA. Most can expect a tour in recruiting or as an RDC.
4. Tours at a Flag Staff, NPC and BUPERS require special screening.
5. The Marine Gas Turbine Inspector (MGTI) program is open to E-6 (with waiver) and above. Sea tours for the MGTIs are limited. Those who qualify MGTI often assume a different career path once qualified, including Staff sea billets such as CCSG and DESRON tours and limited to shore tours at RMC facilities. They are expected to maintain regular sea/shore flow and should demonstrate leadership throughout those billets in which they are assigned
6. Tour at BUPERS 3 as an Enlisted Community Manager or Enlisted Community Manager Technical Adviser is for high-performing E8s or E9s. It is a highly competitive tour requiring thorough understanding of the Rating and manning and manpower policies. ECMs handle multiple Ratings affecting thousands of Sailors, adjudicate Career



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Waypoints applications, develop and present advancement, school quotas, accession and strength policies and initiatives for community health.

7. GSE2s on 1<sup>st</sup> Sea Tour are encouraged to qualify Electrical Plant Control Console Operator (EPCC) (assigned to Surface Ships).

8. NEC information:

a. U03A - CG-47 Gas Turbine Electrical Maintenance Technician operates and performs advanced organizational and/or intermediate maintenance to the component level on CG-47 class gas turbine main propulsion and electric generating plants control systems.

b. U05A - DDG-51 FLT I-II Gas Turbine Electrical Maintenance Technician operates and performs advanced organizational and/or intermediate maintenance to the component level on DDG-51 FLT I-II gas turbine main propulsion and electrical generating plant control systems.

c. 728B - LCAC Deck Engineer is a critical crew position aboard the LCAC, constantly working with high technical and potentially dangerous high-speed machinery. Also maintains, troubleshoots, and perform maintenance on the LCAC gas turbine engines, propulsion and lift system, and mechanical auxiliaries. The Deck Engineer will be familiar with the ABS mission.

d. 729B - LCAC Craft Engineer/Assistant Operator operates the Landing Craft, Air Cushion (LCAC) vehicle engineering plant (propulsion, lift, and control systems) in amphibious assault and training operations. Performs systems diagnostics, troubleshooting, and limited engineering systems repair during operations. Operates the LCAC when the Craftmaster (NEC BM-0167) is incapacitated.

e. 731B - LCAC Electrical Systems Maintenance Technician performs organizational and intermediate level maintenance on LCAC craft control systems.

f. U07A - Marine Gas Turbine Inspector performs periodic borescope inspections, mechanical grooms, and gas turbine bulletin inspections. Provides troubleshooting and on-the-job training, oversees intermediate maintenance level repairs, and assists in calibration. Makes engine change-out recommendations and oversees gas turbine change installations. Ensures accuracy of engine logbook entries.

g. U09A - CG Smart Ship Engineering Control System Equipment (ECSE) Operator and Maintenance Technician operates and performs preventive and corrective maintenance and all authorized fault isolation and repair procedures on the Engineering Control System Equipment (ESCE).

h. U11A - NAMTS Gas Turbine (Electrical) Repair Technician performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level repair of marine gas turbine engines in support of Fleet-directed requirement. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of maintenance industrial machinery.

i. U16A - Shipboard Engineering Plant Program Manager administers, manages and evaluates shipboard engineering programs. Recognizes engineering systems and major components external to the propulsion plant which comes under the cognizance of the Engineering Officer of the Watch (EOOW). Evaluates operating conditions and makes recommendations to the engineering officer.

j. U55A - DDG 51 FLT IIA Gas Turbine Electrical Maintenance Technician operates and performs advanced organizational and/or intermediate maintenance to the component level on DDG 51 FLT IIA gas turbine main propulsion and electrical generating plant control systems.

k. U61A - LHA-6 (AMERICA)/LHD-8 (MAKIN ISLAND) Class Ship Machinery Control System (MCS) Maintainer Performs LHA-6 and LHD-8 Class Ship MCS advanced organizational and/or intermediate maintenance to the Lowest Repairable Unit (LRU) (circuit cards, power supplies, batteries, relay, fiber optic cable connectors, etc.) using the Built-In Test (BIT) and other supplementary data contained in technical manuals and maintenance documentation.

l. U62A - LHA-6 (AMERICA)/LHD-8 (MAKIN ISLAND) Class Ship Auxiliary Propulsion System (APS) Electrical Maintenance Technician Operates and performs advanced organizational and/or intermediate level electrical maintenance to the component level on LHA-6 and LHD-8 Class Ship APS.



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m. U64A - LHA-6 (AMERICA)/LHD-8 (MAKIN ISLAND) Class Ship Gas Turbine Electrical Maintenance Technician Performs LHA-6 and LHD-8 Class Ship advanced organizational and/or intermediate electrical maintenance on the LM2500+ Single Annular Combustor (SAC) Main Propulsion Gas Turbine Engine (GTE).

n. U71A - DDG 51-M Gas Turbine Electrical Maintenance Technician operates and performs advanced organizational and/or intermediate maintenance to the component level on DDG-M, DDG 51 gas turbine main propulsion and electrical generating plant control systems.

o. U69A - LCS-1 (Freedom Variant) Readiness Control Officer (RCO) Cross-trained in Main Propulsion and Support systems, Auxiliary systems, Electrical systems, Damage Control systems and the Main Propulsion Control and Monitoring System (MPCMS). Serve in supervisory and watch team management as well as advanced technical positions as RCO at sea and Engineering Duty Officer (EDO) in port. Utilizing Human Machine Interfaces (HMIs), Local and Remote Control Panels and Consoles, System Diagrams, oversee or perform aligning, operating, monitoring and casualty control procedures on all engineering systems in accordance with Engineering Operational Sequencing System (EOSS). Using PQS manuals, oversee career training of junior personnel. Using PMS maintenance cards, ship's technical manuals and EOSS procedures, supervise and guide planned and corrective maintenance. Perform tasks associated with the RCO (underway) and EDO (in port) shipboard watch station/position with limited to no supervision under all conditions of readiness.

p. U70A - LCS-2 (Independence Variant) Readiness Control Officer (RCO) Cross-trained in Main Propulsion and Support systems, Auxiliary systems, Electrical systems, Damage Control systems and the Engineering Control system (ECS). Serve in supervisory and watch team management as well as advanced technical positions as RCO at sea and Engineering Duty Officer (EDO) in port. Utilizing Human Machine Interfaces (HMIs), Local and Remote Control Panels and Consoles, System Diagrams, oversee or perform aligning, operating, monitoring and casualty control procedures on all engineering systems in accordance with Engineering Operational Sequencing System (EOSS). Using PQS manuals, oversee career training of junior personnel. Using PMS maintenance cards, ship's technical manuals and EOSS procedures, supervise and guide planned and corrective maintenance. Perform tasks associated with the RCO (underway) and EDO (in port) shipboard watch station/position with limited to no supervision under all conditions of readiness.

q. U71A - DDG 51-M Gas Turbine Electrical Maintenance Technician operates and performs advanced organizational and/or intermediate maintenance to the component level on DDG-M, DDG 51 gas turbine main propulsion and electrical generating plant control systems.

### **Considerations for advancement from E6 to E7**

#### 1. Sea Assignments (all)

- LPO at Sea (assigned to Surface Ships), Operational/Joint/FDNF a plus
- Qualified EDO/EOOW/RCO(LCS) while assigned to Surface Ships) a plus
- MGTI a plus
- At least one warfare pin
- DCTT/ETT
- Command Collateral with documented impact
- Qualified 3M 301- 305
- FCPOA involvement
- Sailor 360 involvement

#### 2. Shore Assignments (all)

- RDC(w/MTS)/ATG(w/ATS)/TYCOM Staff/BUPERS//Expeditionary Service/SPECWAR/Expeditionary/Rating Instructor (All screened billets)
- Instructor Duty (805A) (MTS at all levels)
- RMC
- Completed PPME, USMAP
- Community involvement

### **Considerations for advancement from E7 to E8**

#### 1. Sea Assignments (all)

- LCPO at Sea (assigned to Surface Ships), Operational/Joint/FDNF a plus
- Qualified EDO/EOOW(assigned to Surface Ships), Qualified RCO (LCS specific)



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- MGTI a plus
- At least one warfare pin
- ETT Coordinator a plus
- Command Collateral with documented impact
- Completed PPME/JPME/USMAP/SEA
- Active CPO Mess involvement, holding a position
- Sailor 360 Phase and leading a committee/Season

### 2. Shore Assignments (all)

- Recruiting Duty (serving as LSO or LCPO)/RDC/ATG (obtained ATS/MTS)/TYCOM Staff/BUPERS/SPECWAR/Expeditionary/Rating Instructor, SWSC (obtained MTS) (All screened billets)/FLC's (impact billet on the waterfront)/ASD (with documented impact) Disaster Preparedness operations team leader.
- RMC (for MGTI qualified personnel)
- Completed PPME/JPME/SEJPME I/USMAP/SEA
- Community involvement

### **Considerations for advancement from E8 to E9**

#### 1. Sea Assignments (all)

- DLCPO (assigned to Surface Ships), Operational/Joint/FDNF a plus
- MGTI a plus
- At least one warfare pin
- ETT Coordinator, EOOW/EDO/RCO (LCS specific)
- Command Collateral with documented impact
- Completed PPME/JPME/USMAP/SEA
- Active CPO Mess involvement, holding a position
- Sailor 360 involvement and leading a committee/Season

#### 2. Shore Assignments (all)

- Recruiting Duty (serving as LSO or DLCPO)/RDC (Ship LCPO)/ATG (obtained ATS/MTS)/TYCOM Staff/BUPERS/SPECWAR/Expeditionary/Rating Instructor, SWSC (obtained MTS) (All screened billets)/FLC's (impact billet on the waterfront)/ASD (with documented impact)
- RMC (for MGTI qualified personnel)
- Completed PPME/JPME/SEJPME I and II/USMAP/SEA
- Served as SEL or DLCPO