

## SECTION III

### CODES, TITLES, AND SPECIFICATIONS

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#### DUTIES UNASSIGNED OR NOT QUALIFIED IN MOS (0001)

This special code is to be used for machine record purposes, to—

- a. Report present duty status of an officer who has not been given a specific duty, whether assigned to the unit or attached, unassigned, or,
- b. report, for completion of MOS column, the fact that the officer has not acquired an MOS. This code may be used to report absence of secondary MOS if officer has only a primary MOS.

#### GENERAL OFFICER (0002)

This special code is to be entered for primary and secondary military occupational specialties of officers in grade of brigadier general, or higher.

#### RELIEVED FROM DUTY, SICK IN HOSPITAL AS PATIENT (0003)

“This special code is to be used for machine records purposes only to report the duty status of an officer, assigned or attached unassigned to a unit, who has been relieved from duty while sick in hospital as a patient.”

#### RELIEVED FROM DUTY, SICK, ABSENT FROM POST (0004)

“This special code is to be used for machine records purposes only to report the duty status of an officer assigned or attached unassigned to a unit, who has been relieved from duty while sick, absent from post.”

#### RELIEVED FROM DUTY, ON DETACHED SERVICE (0005)

“This special code is to be used for machine records purposes only to report the duty status of an officer, assigned or attached unassigned to a unit, who has been relieved from duty while performing detached service with another organization.”

#### SPECIAL ASSIGNMENT (0009)

This special code will be used only after clearing each specific case by letter with The Adjutant Gen-

eral, Classification and Replacement Branch, to—

a. Report present duty of an officer performing as a primary duty, for a period of 30 days or more, a function not classified elsewhere in this manual.

b. Report military occupational specialty of an officer qualified in a highly skilled and exceedingly uncommon specialty not classified elsewhere in this manual.

#### COURIER OFFICER (0015)

Carries diplomatic and Army secret and confidential mail pouches, documents, maps and other classified material; insures safe and timely delivery of messages to authorized persons; selects most convenient route by air, motor, or ship.

Must be thoroughly familiar with precautions necessary to protect classified documents.

Military experience essential.

Civilian travel experience in foreign countries desirable.

#### POSTAL OFFICER (0030)

Directs or supervises postal operations of a tactical unit or fixed installation. Establishes operating procedures for timely delivery of mail, proper disposal of undeliverable items and settlement of problems in connection with lost, stolen, or damaged mail; sets up methods and schedules of distribution and maintains standard pouch records; makes arrangements for the accurate disposition of registered, special delivery, and insured mail; schedules assignments to adjust work loads of personnel; makes reports and recommendations for improvement of postal service; requisitions personnel and supplies; arranges for transportation of mail and provides for necessary postal guards to accompany valuable mail; supervises preparation of correspondence on various problems concerning operations. May direct the preparation of an officer and civilian directory and locator system to furnish information on location and movement of personnel. May issue permits for exemptions from regulations. May organize and operate a motor dispatch service, and supply information on amount of space available

for mail directed to or from theaters of operation. May supervise processing of microfilm V-mail, checking facsimiles for quality of reproduction.

Must possess thorough knowledge of postal organization and administration and postal practices.

Experience in supervisory post positions essential.

#### SOURCE JOBS

Postmaster	Postal Inspector
Postal Supervisor	Mail Superintendent

#### AIRCRAFT WARNING PLOTTER OFFICER (0102)

Commands and supervises a unit in observing and plotting movement of aircraft within locator or visual range; maintains liaison by radio, telephone, and other means of communication with other interceptor officers; trains observers, plotters, and other personnel.

Military experience essential, including combat tactics (Army Air Forces) and communication field experience.

Civilian experience in a supervisory or managerial capacity desirable.

#### AIRCRAFT WARNING OFFICER, GROUND REPORTING EQUIPMENT (0110)

Supervises the installation, operation, and maintenance of radio sets such as SCR-270, SCR-271, SCR-516, and SCR-527. Inspects radio equipment and supervises repairs; advises commanding officer on radio matters pertaining to reporting equipment; trains radio section personnel; prepares requisitions for supplies and personnel; supervises the preparation of records and reports.

Military experience desirable. Should have complete course in Signal Corps Aircraft Warning.

Civilian experience in radio communication or engineering desirable.

Should be college graduate with degree in electrical engineering or electronics, or with specialization in electronic physics.

#### SOURCE JOBS

Electrical Engineer	Repeater Telephone
Radio Engineer	Engineer
Electronic Physicist	Radio Technician
Sound Research Engineer	Licensed Radio
	Amateur

#### AIRCRAFT WARNING GROUND OBSERVER OFFICER (0115)

Commands and supervises a unit in observing,

recognizing, identifying, and reporting visible and audible activities of hostile and friendly forces in the air, on land, or on sea. Supervises the installation, operation, and maintenance of ground observer posts, associated relay stations, and the communication system; supervises repairs and part replacements on radio, visual, and telephone equipment issued to unit; trains personnel in recognition and identification of aircraft, surface seacraft, combat vehicles, and foreign uniforms; determines capabilities and limitations of ground observation coverage in assigned area.

Must be able to read and interpret military maps and aerial photographs. Must have a general knowledge of wire radio, and visual communications. Should have a general knowledge of the entire Aircraft Warning System.

Military experience including knowledge of infantry tactics essential. Should have completed an Aircraft Warning Recognition or Identification Course in addition to a Radio Officer's Course and have completed an Aircraft Warning Ground Observer Course.

Civilian experience in supervision of installation and operation of a wire or radio communications system desirable.

#### AIRCRAFT WARNING OFFICER, GUNLAYING AND SEARCHLIGHT EQUIPMENT (0120)

Supervises the installation, operation, and maintenance of radio sets such as SCR-268A, SCR-296, SCR-541, and SCR-545. Inspects radio equipment and supervises repairs; advises commanding officer on radio matters pertaining to gunlaying and searchlight equipment; trains radio section personnel; prepares requisitions for supplies and personnel; supervises the preparation of reports and records.

Military experience essential. Should have completed course in Signal Corps Aircraft Warning.

Should be college graduate with degree in electrical engineering or electronics, or with specialization in electronic physics.

#### SOURCE JOBS

Electrical Engineer	Repeater Telephone
Radio Engineer	Engineer
Electronic Physicist	Radio Technician
Sound Research Engineer	Licensed Radio
	Amateur

## AIRCRAFT WARNING OFFICER, AIRBORNE EQUIPMENT (0130)

Supervises the installation, operation, and maintenance of radio sets such as SCR-315, SCR-518, SCR-520, SCR-521, SCR-540, and similar sets. Inspects radio equipment and supervises repairs; advises commanding officer on radio matters pertaining to airborne equipment; trains radio personnel; prepares requisitions for supplies and personnel; supervises the preparation of all records and reports.

Military experience essential. Should have completed course in Signal Corps Aircraft Warning.

Civilian experience in radio communication and radio engineering desirable.

Should be college graduate with degree in electrical engineering or electronics, or with specialization in electronic physics.

### SOURCE JOBS

Electrical Engineer	Radio Technician
Radio Engineer	Repeater Telephone Engineer
Electronic Engineer	Engineer
Electronic Physicist	Licensed Radio
Sound Research Engineer	Amateur

## RADAR OFFICER (0140)

Supervises the location of radar equipment, selection of site, and the installation, operation, and maintenance of a radar operating unit. Maintains liaison with civil authorities and interested public utilities; coordinates activities of the station with associated arms; is responsible for command, local administration, and technical operation of station. May serve as staff officer specializing in radar operations.

Military experience essential. Should include Signal Corps School Radar Course.

Civilian supervisory experience in radio or telephone carrier and technical repeater work desirable.

Should have at least 2 years of college courses leading to an electrical engineering degree or other courses in radio or telephone engineering.

### SOURCE JOBS

Telephone Engineer	High Frequency Aviation
Radio Engineer	Radio Engineer
Telephone Carrier and Repeater Engineer	Electrical Design Engineer
Radio Technician	Radio Technician
Electrical Research Engineer	Sound Engineer

## ELECTRONICS OFFICER (0141)

Supervises first and second echelon maintenance including repairing, testing, cleaning, adjusting, and operating all types of electronics equipment (communications, radar, etc.) used by the Army Air Forces with the exception of those types peculiar to the Aircraft Warning Service; advises unit commander regarding the employment of radar devices. May supervise field installation of electronics equipment.

Completion of Army Air Forces Technical School prescribed course for electronics officer or equivalent training essential.

College training in electrical engineering or advanced physics desirable.

This specialty was formerly designated as Radio Officer (S), and Radar Officer, Air.

### SOURCE JOBS

Communications Engineer	Electrical Engineer
Radio Engineer	

## RADAR OBSERVER, BOMBARDMENT (Designated Set) (0142)

Operates, adjusts, and performs flight maintenance on designated radar equipment such as H2X and associated equipment. Determines position of airplane with respect to predetermined ground location by means of radar for the accurate placing of bombs on the target through overcast; interprets the radar scope presentation obtaining accurate information for fixes, altitude, air plots, winds, ground speeds, and track and transmits this information to the Pilot, Navigator and Bombardier.

Must be familiar with the employment of bomb-sight equipment and the principles of DR navigation.

Completion of AAF technical school prescribed course for radar observer, bombardment or equivalent military training essential. Must be physically qualified for combat flight duty under the provisions of AAF Regulation 50-7.

## RADAR MAINTENANCE AND REPAIR OFFICER (0145)

Supervises repair and maintenance of radar equipment. Makes continuous tests to determine the causes of defects in equipment and methods for improving construction; determines the quantity and quality of materials required to make adequate repairs; sets up systems to obtain essential data on endurance of materials.

Must possess detailed knowledge of the nature of technical problems which occur in electrical engineering.

Must be graduate of the Army Electronics Training Center Course or a Signal Corps Radar Course.

Civilian experience in electrical engineering desirable.

College training in some branch of electrical engineering desirable.

#### SOURCE JOBS

Electrical Engineer  
Radio Technician

Radio Engineer  
Radar Specialist

#### RADAR OFFICER—SPECIAL (AH-1) (0151)

Directs the installation, operation, and maintenance of special radar equipment used in conjunction with radar operations; prepares requisitions for supplies and personnel; inspects equipment and supervises repairs or modifications; directs preparation of records and reports; advises commanding officer on all matters pertaining to special radar equipment.

Military experience including completion of Signal Corps Course in installation, operation, and maintenance of special radar equipment essential. Completion of Aircraft Warning Courses at Signal Corps School desirable. G-2 clearance essential.

Civilian experience in radio communications or radio engineering desirable.

Should be high school graduate with additional training in electrical engineering or radio communications.

#### SOURCE JOBS

Radio Operator  
Radio Technician  
Radio Repairman

Radio Engineer  
Licensed Radio Amateur

#### RADAR FILTER OFFICER (0160)

Supervises the operation of the radar filter center or radar filter functions in the control and filter center. Advises the controller on matters pertaining to the ground radar system; coordinates the radar filter function and the ground radar system with the proper activities at the control and filter center; controls the tactical operations of the various radar and ground observers to secure information as to positions, courses, numbers, speeds, and heights of aircraft, at the proper time.

Must pass color vision test. Must be capable of supervising filter center personnel and making quick decisions regarding probable positions, courses, numbers, speeds, and heights of aircraft from the data received at the control and filter center.

Military experience should include graduation from a radar filter course. Additional school or on the job training as an area and/or GCI controller desirable.

Civilian experience in positions requiring alertness, quick thinking, and ability to make decisions based upon quickly observed data desirable.

Should be college graduate with training in trigonometry and map reading.

#### COMMUNICATIONS OFFICER (0200)

Directs or supervises the installation, operation, and maintenance of the signal communication agencies of a unit other than Signal Corps. Trains unit personnel in use of communication equipment; maintains efficient communication within a unit and with attached and supported units; establishes communication agencies as wire communication, radio communication, visual signaling, signal centers, and messengers; supervises the enforcement of radio silence when in effect and provides for the use of runners and mounted messengers; supervises training of personnel in radio operation and maintenance, use of codes, construction and maintenance of wire circuits, use of visual signals such as flags, flares, and rockets, and signal center operation and maintenance.

Must have thorough tactical and technical knowledge to insure establishment of necessary signal communication agencies according to tactical plans. Must be a specialist in Army signal communication systems.

Military experience essential and should include graduation from an officers' communication school.

Trade school or college training in electrical communication desirable.

#### SOURCE JOBS

Radio Repairman  
Wire Chief  
Telephone Inspector

Radio Engineer  
Radio Technician  
Sound Engineer

#### SIGNAL OFFICER (0210)

Directs or supervises the construction, installation, operation, maintenance, and supply of a communication system. Supervises tactical location of

communication centers and installation of facilities and equipment; prepares routine and combat orders relating to signal communication; supervises operation of signal and message facilities including wire, radio, visual and pigeon; commands tactical operations and administration of photographic units; supervises establishment and operation of maintenance and repair facilities; provides for signal supplies and the keeping of records and reports. May perform executive, administrative, and planning functions in an overhead installation and advise commanding officer and staff on signal matters.

Must have a knowledge of the operation of a tactical military communication system. Should have advanced training in signal operations and be thoroughly familiar with the combat utilization of all types of Signal Corps equipment and facilities.

Military experience in staff positions essential. Should have served as a staff officer and commanded Signal Corps troops. Should be a graduate of Command and General Staff School.

Civilian experience in the management and operation of a radio, telephone, or telegraph system highly desirable.

Should be a college graduate in electrical or communication engineering.

#### SOURCE JOBS

Radio Engineer	Telephone Engineer
Research Engineer, communications	Television Engineer
Sound Engineer	Electrical Engineer

#### POST SIGNAL OFFICER (0213)

Exercises administrative and technical supervision of a communication system at a military post, camp, or station including the signal center of the organization. Supervises cryptographing and decryptographing of communications; coordinates the procurement of equipment and supplies and the operation of signal maintenance and repair facilities; makes technical inspections and recommendations for the care and utilization of all equipment; supervises personnel keeping Signal Corps records and preparing reports; maintains liaison with commercial communication companies.

Should have experience with military signal units and be familiar with Army organization, including completion of Signal Corps Wire or Radio Course, or other pertinent courses at Signal Corps schools.

Civilian supervisory or technical experience in the

field of radio, telephone, or telegraph engineering desirable.

Should be a college graduate with a degree in electrical engineering, specializing in communication.

#### SOURCE JOBS

Communications Engineer	Telephone or Telegraph Engineer
Radio Engineer	

#### PORT SIGNAL OFFICER (0214)

Directs or supervises signal activities at a port or subport. Plans for adequate communication facilities; directs the repair, maintenance, and inspection of radio equipment and related supplies within the port or on Army transports; arranges schedules and frequencies to be used for handling signal traffic; advises signal officer at the next port of call of changes in sailing schedules; coordinates the functions of subports and ports and directs necessary inspections. May direct operation of a Transport Radio Operators' School.

Military experience desirable.

Civilian technical and supervisory experience in commercial telephone, telegraph, or radio engineering desirable.

Should hold a degree in electrical engineering and have additional training in communication engineering, or the equivalent technical supervisory experience in commercial telephone, telegraph, or radio engineering.

#### SOURCE JOBS

Communications Engineer	Telephone or Telegraph Engineer
Radio Engineer	

#### SIGNAL OFFICER, BASIC (0215)

Supervises those functions of a field communication unit or staff organization in a lower echelon which do not require Signal Corps specialist training or experience.

Must be a graduate of the Signal Corps Officers' Candidate School, or have had similar basic military training.

Civilian supervisory experience in electrical or mechanical communication desirable.

#### SIGNAL CENTER OFFICER (0220)

Commands a large fixed signal center. Supervises the training of personnel including duty censors and operators of telephone, telegraph, radio, telephoto,

radiotype, and teletype equipment; directs and supervises the cryptographing and decryptographing of messages; determines the final disposition of all communications violating security regulations; supervises keeping of records and preparation of reports; coordinates activities of signal center with appropriate public utilities; supervises requisition of supplies; keeps commanding officer informed of the location and means available for the transmission of messages; prepares and revises operating procedures; uses both military and civilian methods of word count.

Must be thoroughly familiar with civilian communication practices and rates. Must be able to read maps and aerial photographs.

Cryptographic clearance essential.

Military experience essential.

Civilian supervisory experience in radio, telephone, or telegraph traffic analyses and in handling correspondence and messages desirable.

Training in business administration desirable.

#### SOURCE JOBS

Office Supervisor                      Radio Operator  
Communications Man

#### SIGNAL CENTER OFFICER, FIELD (0221)

Commands a mobile signal center. Directs and supervises the cryptographing and decryptographing of messages and determines the final disposition of communications violating security regulations; keeps commanding officer informed of the location and means available for transmission of messages; selects most appropriate method of transmitting messages to meet existing field conditions including the employment of runners, use of wire and radio communication, and other means available to the center; supervises training of personnel; supervises the keeping of records and the preparation of reports; supervises the requisitioning of supplies.

Must be able to read maps and aerial photographs. Should have a thorough knowledge of Army organization.

Cryptographic clearance essential.

Military experience essential.

Civilian supervisory experience in radio, telephone, or telegraph traffic analysis and in handling correspondence and messages desirable.

Training in business administration desirable.

#### SOURCE JOBS

Radio Operator                      Communications Man  
Office Supervisor

#### SIGNAL CENTER OFFICER, FIXED STATION (0222)

Organizes and directs the operations of a fixed signal center at a military post, camp, or station to insure accurate and speedy delivery of all messages. Supervises the cryptographing and decryptographing of messages and determines final disposition of all communications violating security regulations; coordinates the activities of the signal center with commercial companies; writes new and revises current procedures of operation; supervises training of all supervisory and operating personnel including duty censors, radio, radiotype, telegraph, and teletype operators; supervises the keeping of records and preparation of reports; requisitions supplies and repairs.

Must be able to read maps and aerial photographs. Should have thorough knowledge of Army organization.

Cryptographic clearance essential.

Military experience essential.

Civilian supervisory experience in handling correspondence and messages desirable.

Training in commercial or business administration desirable.

#### SOURCE JOBS

Radio Operator                      Communications Man  
Office Supervisor

#### SIGNAL CENTER OFFICER, CRYPTOGRAPHIC (0224)

Directs and supervises a cryptographic unit in a signal center. Supervises the cryptographing and decryptographing of messages; provides for secure storage of cryptographic material; examines messages for violation of cryptographic security; supervises preparation of reports and keeping of records.

Cryptographic clearance essential.

Military training in cryptography essential.

Civilian experience supervising clerical workers desirable.

Training in business administration desirable.

#### SOURCE JOBS

Office Supervisor                      Communications Man  
Radio Operator

#### RADIO INTELLIGENCE OFFICER (0225)

Commands a radio intelligence organization in the interception of enemy radio traffic, location of enemy

radio stations, and monitoring of friendly radio stations. Forwards intercepted enemy radio traffic and radio bearings to higher headquarters; makes recommendations for security of friendly radio communication.

Should have a thorough knowledge of International Morse Code.

Military training in radio intelligence work essential. Should be a graduate of Signal Corps Radio School and Signal Corps company officers' course.

Civilian experience in radio communication and engineering desirable.

### SOURCE JOBS

Radio Engineer	Communications Engineer
Electrical Engineer	Radio Operator

### PIGEON OFFICER (0240)

Commands and supervises a signal pigeon unit. Supervises the breeding, care, training, and use of homing pigeons as messengers; coordinates loft training and facilities with the training requirements of troops; trains loft personnel; provides facilities for troop training; keeps records and prepares reports.

Should be thoroughly acquainted with the tactical employment and limitations of pigeons used by the several branches of the Army. Should know the various types of homing pigeons needed, the kind of strains used by other governments, and the reliability and flying speeds of homing pigeons under various climatic conditions.

Military training at Signal Corps school essential.  
Civilian experience in pigeon breeding essential.

### SOURCE JOBS

Pigeon Breeder	Fancier
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### SOUND AND LIGHT OFFICER (0250)

Commands a signal unit equipped to install, maintain, and operate sound and light equipment.

Must be familiar with signal operation instructions and techniques, and application of sound and light equipment.

Should have civilian experience in operating sound recording and transmitting devices, telephoto and facsimile equipment, public address systems, and optical signaling devices.

College degree in electrical engineering desirable.

### SOURCE JOBS

Motion Picture Sound Engineer	Telephoto Engineer
Motion Picture Light Engineer	Sound Engineer
	Electrical Engineer

### TELEPHONE AND TELEGRAPH MAINTENANCE OFFICER (0260)

Supervises the repair and maintenance of telephone, telegraph, and teletypewriter signal equipment. Observes operating performance of equipment and refers data to higher echelons for the use of design engineers; improvises substitutes to meet demands of specific field conditions; supervises repairs and field tests; requisitions replacement parts, tools, and other maintenance items; trains personnel in prescribed procedures.

Must know permissible substitutes for equipment parts and be skillful in improving repairs in the absence of standard equipment.

Military experience in field operation of such equipment essential. Should have completed a Signal Corps company officers' specialist course.

Civilian experience in maintenance and repair of communication equipment essential.

### SOURCE JOBS

Telephone or Telegraph Repairman

### TELEPHONE AND TELEGRAPH OFFICER (0400)

Directs or supervises personnel engaged in the construction, installation, operation, and maintenance of telephone and telegraph facilities and equipment in a military communication system. Coordinates the activities of the wire, switchboard, and teletypewriter crews; supervises the preparation of operating schedules so that the system will be adequately staffed at all times; supervises the maintenance of both inside and outside plant equipment; supervises the training of personnel; requisitions materials and personnel for the unit.

Military training and experience essential. Should include company officers' specialist course at Signal Corps Officers' School or equivalent experience.

Civilian supervisory experience in construction and installation of a telephone or telegraph system desirable.

College degree in communication or electrical engineering desirable.

## SOURCE JOBS

Communications Engineer Telephone or Telegraph  
Electrical Engineer Repairman

### TELEPHONE AND TELEGRAPH OFFICER, INSIDE PLANT (0410)

Directs or supervises personnel engaged in the installation, operation, and maintenance of telephone and telegraph inside plant equipment. Coordinates the activities of wire, switchboard, and teletypewriter crews to insure proper functioning of the station; inspects equipment to forestall trouble and to locate faulty equipment; supervises adjustments and repairs; trains operating personnel in the use and care of equipment; requisitions material and personnel.

Military training and experience essential. Should include company officers' specialist course at Signal Corps School.

Supervisory experience in installation or maintenance of inside equipment in commercial telephone or telegraph system very desirable.

College training in communication engineering desirable.

## SOURCE JOBS

Wire Chief Traffic Engineer  
Equipment Engineer Telephone or Telegraph  
Chief Deskman Installation Engineer

### TELEPHONE AND TELEGRAPH OFFICER, FIELD LINE CONSTRUCTION (0420)

Commands and supervises personnel engaged in the construction and maintenance of telephone and telegraph field lines in combat areas, as directed by communications officer. Locates field lines to meet the needs of the combat unit; trains operating personnel in the use and care of equipment and directs the activities of repair crews; inspects field equipment to forestall faulty operations; supervises replacement of faulty equipment; prepares requisitions for personnel and matériel.

Military training essential. Should have completed a Signal Corps company officers' specialist course.

Civilian supervisory experience in construction and maintenance of commercial wire communication desirable.

Vocational or technical school training desirable.

## SOURCE JOBS

Telephone and Telegraph Telephone and Telegraph  
Line Foreman Construction Foreman

### TELEPHONE AND TELEGRAPH OFFICER OUTSIDE PLANT (0430)

Commands and supervises personnel engaged in the construction and maintenance of outside telephone and telegraph facilities of commercial types for military purposes including open wire pole line, aerial cable, buried cable, and wire lines. Lays out construction work; organizes and directs construction and repair crews; trains personnel in line construction and cable splicing; prepares periodic reports on repair and construction work progress; prepares requisitions for matériel and personnel.

Military experience including Signal Corps company officers' specialist course very desirable.

Civilian supervisory experience in the construction and maintenance of long lines outside plant desirable.

Should be graduate of vocational or technical school; graduation from communication engineering school desirable.

## SOURCE JOBS

Superintendent of tele- Communications Engineer  
phone or telegraph  
company

### TELEPHONE AND TELEGRAPH OFFICER, SUBMARINE CABLE (0434)

Commands and supervises personnel engaged in laying and maintaining a submarine cable for telephone and telegraph communication. Trains and directs cable crews in the laying and splicing of cable; determines location of cable in accordance with requirements, directs assignment of repair crews; prepares requisitions for matériel and personnel.

Military experience essential. Should include a Signal Corps company officers' specialist course.

Civilian supervisory experience in laying submarine cable with telephone, telegraph, or transoceanic cable company essential.

## SOURCE JOBS

Cable Engineer Communications Engineer

## SUBMARINE CABLE STATION OFFICER (0435)

Directs and supervises the installation, operation, and maintenance of a submarine cable terminal station. Supervises use of electronic submarine cable equipment, siphon recorders, multiplex equipment, and automatic printers; directs manual signaling using Morse and cable codes; supervises inspection of equipment to forestall faulty operations; supervises trouble location tests on submarine cable; directs training of operating and maintenance personnel; directs preparation of requisitions for personnel, matériel, and maintenance and repairs to be performed by higher echelons; supervises preparation of records and reports.

Military experience desirable.

Supervisory experience in commercial cable, radio, or telegraph operation, or experience as a licensed operator desirable.

Should be a vocational or technical school graduate. Must have completed the Siphon Recorder School and Submarine Cable Maintenance School Courses of a telegraph company. College training in electrical engineering desirable.

### SOURCE JOBS

Cable or Radio Engineer      Telephone or Telegraph  
Carrier and Repeater  
Engineer

## RADIO OFFICER (0500)

Commands and supervises a field radio unit or fixed radio station. Directs the location, installation, operation, and maintenance of stationary, mobile, or portable radio equipment; inspects equipment to forestall operating difficulties; requisitions maintenance and repairs to be performed by higher echelons; trains personnel in radio operation and maintenance, preparation of requisitions for matériel and personnel, and maintenance of records and reports. May serve as staff officer on radio matters.

Military experience should include a Signal Corps company officers' specialist course.

Civilian experience in amateur or commercial radio operation desirable.

Should be graduate of vocational or technical school; degree in electrical engineering or radio communication desirable.

### SOURCE JOBS

Radio Engineer      Radio Maintenance Supervisor  
Radio Operator

## RADIO OFFICER, FIELD (0501)

Commands and supervises a radio field unit. Supervises the location, installation, operation, and maintenance of mobile or portable radio equipment; inspects radio equipment and supervises maintenance work performed by the unit; trains unit personnel; prepares requisitions for matériel and personnel; supervises the maintenance of records and reports. May serve as staff officer on radio matters.

Military experience in Signal Corps communication desirable, including completion of radio course.

Civilian experience in amateur or commercial radio operation very desirable.

Should be graduate of vocational or technical school; degree in electrical engineering or radio communication desirable.

### SOURCE JOBS

Radio Engineer      Radio Maintenance Supervisor  
Radio Operator

## RADIO OFFICER, FIXED STATION (0502)

Commands and supervises the construction, installation, operation, or maintenance of a fixed radio station. Supervises the handling of radio communication; supervises the inspection of equipment to forestall faulty operation; directs the preparation of requisitions for matériel and personnel; supervises maintenance work handled by the unit and requisitions maintenance and repairs performed by higher echelons; trains personnel; supervises the preparation of records and reports.

Military experience should include a Signal Corps company officers' specialist course.

Civilian experience in amateur or commercial radio operation desirable.

Should be a vocational or technical school graduate; college training in electrical engineering or radio communication desirable.

### SOURCE JOBS

Radio Engineer      Radio Maintenance Supervisor  
Radio Operator

## RADIO OFFICER, VHF (0503)

Commands and supervises a VHF radio unit. Installs, operates, and maintains very high-frequency radio equipment used to monitor aircraft; supervises the selection of site and the location of radio direction finding equipment; coordinates the activities of

the station with attached intercept units; maintains liaison with civilian authorities and interested public utilities; inspects and tests equipment; supervises the preparation of requisitions for supplies and equipment.

Military experience in communication desirable. Should be graduate of a Signal Corps company officers' radio specialist course with specialized training in VHF equipment.

Civilian experience in radio and radio telephone design and operation desirable.

Should be vocational or technical school graduate. College training in communication engineering desirable.

### SOURCE JOBS

Radio Engineer	Telephone or Telegraph
Airlines Communication	Carrier and Repeater
Engineer	Engineer

### RADAR OBSERVER, NIGHT FIGHTER (0520)

Operates and performs first echelon maintenance on radio and radar sets and equipment such as SCR-522, SCR-274, SCR-720, SCR-729, SCR-695, AN/APG-1 and AN/APN-1.

Must be physically qualified for combat flight duty, nonpilot.

Completion of basic technical training course and operational training for this specialty under Army Air Forces Training Command essential.

This specialty was formerly designated as Radar Observer (I).

### COMMUNICATIONS OFFICER— SPECIAL (AH-2) (0532)

Formulates plans and advises commanding officer on recommended action for handling radio traffic. Receives decisions from commander and issues necessary instructions and verifies that they are properly carried out; conducts necessary liaison with other units concerning such activities; supervises maintenance of radio traffic records and preparation of reports.

Military experience in Signal Corps communications essential. Should be graduate of Signal Corps School radio course. Must have completed special Signal Corps course dealing with such activities. G-2 clearance essential.

Civilian experience as commercial or amateur radio operator desirable.

Should be high school graduate with special training in statistics.

### SOURCE JOBS

Radio Operator	Statician
Statistical Clerk	

### RADIO OFFICER—SPECIAL (AH-3) (0533)

Supervises the installation, operation, and maintenance of special radio equipment used in conjunction with radio communication; prepares requisitions for supplies and personnel; inspects equipment and supervises repairs or modifications; directs preparation of records and reports; advises commanding officer on all matters pertaining to special radio countermeasures equipment.

Military experience essential, should include completion of Signal Corps School radio course. Must have completed Signal Corps course dealing with special radio equipment. G-2 clearance essential.

Civilian experience as commercial or amateur radio engineer highly desirable.

Should be high school graduate with additional training in electrical engineering or radio communications.

### SOURCE JOBS

Radio Operator	Radio Engineer
Radio Technician	Licensed Radio Amateur
Radio Repairman	

### RADIO OFFICER—SPECIAL (AH-4) STAFF (0534)

Advises commander and staff on all matters pertaining to special radio and radar activities and prepares plans for and supervises such activities. Collects and analyzes information, in conjunction with other interested groups, for use in preparation of plans; conducts necessary liaison for effective execution of operations; determines special tactical equipment requirements, coordinates procurement, and supervises installation; directs the maintenance of technical and operational records and the preparation of reports.

Broad military experience with signal or aircraft warning units essential. Should include completion of Signal Officer's advanced course or other pertinent courses at Signal Corps School and in addition should have completed Signal Corps School Radio Course or Aircraft Warning courses. Must have completed special Signal Corps course dealing with such activities. G-2 clearance essential.

Civilian supervisory or technical experience in radio engineering or communications very desirable. College or special training in radio essential.

#### SOURCE JOBS

Radio Technician  
Radio Laboratory  
Technician

Radio Research Engineer  
Radio Engineer

#### RADIO-CONTROLLED TARGET AIRPLANE OFFICER (0590)

Operates a radio-controlled target airplane from the ground while target is in flight without safety pilot therein. Operates airplane target during tracking and target practice by use of radio remote control; supervises repair and maintenance of airplane target and related equipment, such as airplane motor, radio receiver and transmitter, servo unit, parachute and catapult; supervises operational crew and trains additional crews; supervises recovery of airplane target after flight; prepares requisitions for parts replacements and supplies and renders reports on operations and deficiencies of equipment.

Basic technical knowledge of radio, combustion engines, and elementary aerodynamics very desirable.

Military experience in antiaircraft artillery gunnery very desirable.

#### MOTOR TRANSPORT OFFICER (0600)

Supervises operation, inspection, and maintenance of motor vehicles in a unit. Supervises training in operation, minor maintenance, and tactical employment of vehicles; makes inspections to determine condition of vehicles and insure proper preventive maintenance; anticipates maintenance requirements and keeps informed of location of facilities for major repair and parts supply; assigns tasks and dispatches vehicles; directs or supervises movement of vehicles in convoy operation; supervises hauling of supplies from distribution points to unit dumps or warehouses and between points within the unit; advises commanding officer on motor transport problems; keeps records on equipment and supplies and performs other administrative duties; is responsible for prompt and safe delivery of passengers or cargo. May command a section in division trains.

Should be familiar with fuel and parts supply, operation and driver maintenance of passenger vehicles, cargo trucks, trailers, and weapon carriers.

Completion of motor school course in arm or service to which assigned is desirable.

Civilian experience in the management of a motor transportation service involving problems of supply, dispatch, and maintenance of automotive equipment is desirable.

#### SOURCE JOBS

Automobile Mechanic  
Automobile Service  
Manager

Motor Traffic Manager  
Motor Freight Dispatcher  
or Manager

#### TERMINAL TRAFFIC INSPECTOR (0604)

Directs the inspection of rail, water, highway, and plant terminals to determine adequacy of facilities for loading, unloading, and movement of materials and supplies. Reports on traffic conditions at plants, terminals, and other points handling war supplies; inspects loading facilities, terminal lay-outs, rail-yards, motor terminals and docks of inland water carriers; checks on delays and congestion; maintains accurate records of all significant operations.

Civilian experience supervising the control of terminal and line-haul movement of freight traffic involving procurement and control in transit of all types of transportation equipment very desirable.

#### SOURCE JOBS

Traffic Engineer

Traffic Manager

#### WHEEL VEHICLE MAINTENANCE OFFICER (0605)

Supervises wheel vehicle maintenance and repairs which do not require machine-shop facilities. Supervises the basic and advanced instruction of vehicle drivers and the basic, technical, and tactical training of motor maintenance personnel; assigns repair tasks and supervises their performance; makes inspections to determine repair or replacement requirements and adequacy of repairs accomplished; keeps informed of location and availability of facilities for machine-shop repair and motor parts supply operated by higher echelons; maintains stock records and requisitions supplies and replacement parts; keeps records of maintenance operations and prepares reports; makes recommendations for improvement of motor maintenance and transport operations.

Should be familiar with fuel and parts supply, operation, and minor repair of wheel vehicles. Must

be able to supervise groups of men engaged in the "stripping down" of motor vehicles, the salvaging and reconditioning of interchangeable parts with the use of hand tools, and the reassembling of vehicles with replacement parts.

Military experience essential. Should have motor school training in arm or service to which assigned.

Civilian experience as automotive mechanic or shop foreman and automotive trade school training desirable.

### SOURCE JOBS

Automobile Mechanic            Garage Foreman  
Automobile Service Manager

### TRACK VEHICLE MAINTENANCE OFFICER (0606)

Directs or supervises wheel and track vehicle maintenance and repairs which do not require machine shop facilities. Organizes crews and instructs personnel in maintenance of vehicles of unit; assigns repair tasks, supervises their performance, and makes inspections to determine quality of work; determines expedients to be used in emergency repairs in the field, and supervises repair crews; keeps informed of location and availability of facilities for machine-shop repair and motor parts supply operated by higher echelons; inspects vehicles periodically and keeps a detailed record of the condition of each vehicle; keeps detailed record of spare parts and tool supply and submits requisitions for needed parts and tools; supervises care of tools; makes inspections of maintenance work performed in subordinate units.

Must be familiar with all echelons of repair and have a knowledge of the capabilities of each echelon.

Military experience essential. Must have completed Armored Force School tank maintenance course or have equivalent in practical experience. Should have considerable tactical experience with the type of unit to which assigned.

Several years' civilian experience in motor vehicle maintenance desirable.

### SOURCE JOBS

Automobile Mechanic            Garage Foreman  
Automobile Service Manager

### TRAFFIC CONTROL OFFICER (0607)

Directs and plans traffic control of military movements in specified areas in accordance with tactical

requirements, to prevent road congestion and assure safety and free movement of traffic. Issues necessary regulations, procedures, and circulation maps for the proper execution of prescribed traffic plans; supervises traffic movements and makes recommendations on traffic control and road improvements; investigates vehicular accidents, determines their cause, and institutes corrective measures; collects data necessary to formulate adequate control plan and makes field reconnaissance when necessary; maintains liaison with other staff officers and makes suggestions to engineers regarding road construction and placement of traffic control devices. May assist civil authorities in traffic control when troop movements are in progress.

Military experience desirable.

Civilian experience should include practical experience in handling traffic movements, preferably with a traffic division of a large municipal police department.

### SOURCE JOBS

Police Traffic Officer            Traffic Engineer  
Traffic Inspector

### MOTOR TRANSPORTATION REGULATING OFFICER (0609)

Regulates supply and personnel movements by motor transport. Maintains regularity and smooth movement of supplies and replacements to and evacuation of casualties, prisoners, and salvage from the combat zone; prevents congestion to permit uninterrupted maneuver of supplies and troops in rear of the combat forces; keeps informed on military plans and intentions, location of military units and establishments, motor transport needs of troops, availability of motor transport, conditions of road traffic, and desired location of supply points; arranges for movement of motor traffic between depots or holding and reconsignment points and railheads or other supply points; advises on the selection of sites for truckheads, taking into consideration facilities for unloading supplies, road net suitable for operation of motor transport, and storage space for reserve supplies; issues orders for specified motor transport tonnage to be kept on call in designated areas and may require physical pooling of motor transport at designated places; recommends general plans of allocation and employment of available motor transport not organically assigned to troop units; determines most effective utilization of equipment to meet demands for supply and personnel movements; keeps

detailed plans prepared for employment of large scale motor transportation; maintains liaison with principal motor transport movement officers; establishes and enforces motor traffic priorities; is responsible for movement by motor transport of class I truckhead and reserves from site of old to new truckheads. May perform similar functions in the zone of the interior.

Must have a knowledge of loading, dispatching, routing, and control of motor freight in transit.

Military experience desirable.

Should have civilian experience in one or more fields of motor transportation, such as highway planning and traffic engineering concerned with efficient movement of cargo and passenger vehicles; state or municipal highway traffic administration; fleet operations of motor vehicles handling large volume of diversified freight and involving problems of loading, dispatching, routing, and control of motor freight in transit.

College training in traffic engineering desirable.

#### SOURCE JOBS

Highway Planning Engineer	Motor Transport Superintendent
Traffic Engineer	Motor Transport Consultant

#### FREIGHT TRANSPORTATION OFFICER (0610)

Directs the routing, planning, and dispatch of all freight shipments to consigned areas by motor, air, water, or rail. Routes shipment of materials and supplies from production points to destination; supervises planning of traffic schedules; investigates delay in movement of supplies and issues instructions for correction of conditions; inspects materials for damage or breakage and arranges for replacement or repair; contacts representatives of various agencies; expedites movement of goods consigned to ports of oversea units.

Civilian experience in a railroad, steamship, or other transportation agency or with a large industrial concern directing shipments of freight desirable.

#### SOURCE JOBS

Traffic Manager	Travel Agent
Freight Manager	Ticket Agent
Freight Handler	Railway Express Clerk

#### PASSENGER TRANSPORTATION OFFICER (0611)

Plans and schedules passenger transportation by air, rail, motor, or water. Plans and prepares itineraries; makes reservations and accommodations for passengers; issues transportation requests for civilian and military personnel; contacts transportation agencies to determine available accommodations; arranges special chartered service for movement of casualties and disability cases; maintains records and prepares reports; advises on troop movements and arranges with transportation agencies for essential equipment.

Civilian experience in a transportation agency involving coordination of staff assignments, setting up operating procedures, and supervising transportation operations desirable.

#### SOURCE JOBS

Traffic Manager	Passenger Agent
Travel Agent	Ticket Agent

#### PASSENGER AND FREIGHT TRANSPORTATION OFFICER (0612)

Directs the routing and dispatch of freight shipments and the scheduling of passenger transportation to consigned areas by air, rail, water, or motor. Plans and selects traffic schedules and routings; supervises the investigation of delays in supply movements and inspection of damaged materials; supervises the preparation of itineraries, arrangements for reservations, and issuance of transportation requests; contacts representatives of various transportation agencies to arrange for essential equipment and determine available accommodations for troop movements and freight shipments.

Civilian administrative experience in a railroad, steamship, or other transportation agency or with any industrial concern in the dispatch and control of freight shipments or passenger travel desirable.

#### SOURCE JOBS

Traffic Manager	Travel Agent
Freight Manager	Ticket Agent
Passenger Agent	Railway Express Clerk

#### MOTOR TRANSPORTATION MOVEMENT OFFICER (0614)

Plans and supervises the use of motor transport not organically assigned to troop units. Schedules

or controls road movement priorities; establishes methods to assure timely arrival of cargo at destinations; advises services on selection and improvement of dumps or depots from standpoint of transport and unloading problems to insure minimum delay, recommends changes in cargo vehicle types or quantities in area under his jurisdiction; prevents convoy conflicts, congestion, and waste of cargo or passenger space; plans and arranges for communication facilities; arranges for adequate signs and markers to direct truck drivers to destination.

Must have a knowledge of loading, dispatching, routing, and control of motor freight in transit.

Military experience desirable.

Should have civilian experience in one or more fields of motor transportation, such as highway planning and traffic engineering concerned with efficient movement of cargo and passenger vehicles; state or municipal highway traffic administration; fleet operations of motor vehicles handling large volume of diversified freight and involving problems of loading, dispatching, routing, and control of motor freight in transit.

College training in traffic engineering desirable.

#### SOURCE JOBS

Highway Planning Engineer	Motor Transport Consultant
Motor Transport Super- intendent	Traffic Engineer

#### HIGHWAY TRAFFIC ENGINEER (0615)

Directs plans to route vehicular traffic including materials, supplies, and personnel, through city streets and along highways in such a manner as to prevent accidents, to lessen traffic congestion, and to assure safe and prompt movement of wartime traffic. Studies traffic conditions; conducts experiments with tentative or sample plans on less busy streets and highways; directs studies of traffic loads and causes of accidents; determines means of remedying causes of accidents; makes necessary reports and draws conclusion from traffic data compiled from various sources; coordinates activities of highway officers in the zone area and establishes liaison between related agencies.

Must have extensive progressive experience in highway engineering fields, including experience in phases of highway design, construction, and maintenance as related to highway traffic problems; must be experienced in highway traffic planning and the design and installation of traffic control facilities;

should have working knowledge of Federal, State, and local Government agencies concerned with highway transportation problems.

Military experience desirable.

Must have college degree in civil engineering or equivalent in practical experience.

#### SOURCE JOBS

Civil Engineer	Highway Superintendent
Motor Transportation Engineer	Public Safety Director

#### STABLE OFFICER (0631)

Supervises the grooming, feeding, exercising, treating, conditioning, and training of horses and mules; supervises training of enlisted personnel; supervises general stable management and maintenance of equipment; directs preparation of requisitions for supplies and keeping of supply records.

Military experience essential. Should include 6 months' experience in military horsemanship or animal husbandry.

Civilian experience in handling, conditioning, training, feeding, and treating of horses desirable.

#### SOURCE JOBS

Horseman	Horse Trainer
Horse Breaker, Draft or Saddle	Horse Wrangler
Horse Breeder	Horseman, Show

#### PACK OFFICER (0632)

Commands and supervises personnel engaged in transporting military equipment and supplies by pack animals. Supervises the care, conditioning, feeding, and training of horses and mules of the unit; supervises the segregation, allocation, and adjustment of loads to insure pack transportation efficiency; keeps unit records on pack operations and supervises the supply of the unit; inspects unit equipment and matériel for proper maintenance.

Must have a knowledge of animal husbandry and be thoroughly familiar with the fundamentals of pack transportation.

Military training in remount duties essential.

Civilian experience as a packer or guide with dude ranch operators, expeditions, and similar enterprises requiring the use of pack animals desirable.

## SOURCE JOBS

Packer  
Forest Ranger

Guide, animal pack  
transportation

### WAGON OFFICER (0634)

Commands a wagon unit and is responsible for hauling cargo and for administration, transportation, training, supply and unit security. Instructs and supervises personnel in maintenance and repair of vehicles, harness, and equipment, training of animals, and in methods of stowing cargo in wagons; prepares schedules and supervises assignment of duties and dispatching of wagon vehicles to insure timely and safe delivery of cargo; inspects wagon, harness, tools, and other equipment as to fitness for field service; supervises keeping of appropriate records and reports.

Must be able to direct and supervise road repairs. Must have thorough knowledge of efficient methods of packing and stowing cargoes for wagon transportation, stable management, principles of horse-shoeing, and care and management of horses and mules, including ability to care for sick and injured animals.

Military experience in transport and supply functions with remount training very desirable.

Civilian experience in animal transport desirable.

## SOURCE JOBS

Wagon Master  
Wagon-Train Master

Packmaster  
Stable Superintendent

### MAIL TRANSPORTATION OFFICER (0640)

Formulates administrative procedures and directs mail routing operations for the expeditious transportation of mail. Evaluates requests and arranges for special service shipments and increased space allotments through contact with transportation agencies; cooperates with the United States Government post offices on suitable methods of transportation; prepares periodic reports and makes recommendations for improvement in procedures; advises War Department agencies on mail transportation.

Civilian experience in supervisory postal position essential.

## SOURCE JOBS

Postal Inspector  
Postal Supervisor

Postmaster

## MOTOR TRANSPORT PLANNING OFFICER (0642)

Plans motor transport operations based upon detailed analysis of reports and maps pertaining to road transport. Analyzes reports, maps, and other data and summarizes data, graphically or otherwise; prepares reports on road transport conditions and requirements, and recommends types of equipment to be used, such as trucks, tractors, and trailers; prepares detailed plans of motor transport organization pertaining to area of operations.

Should have knowledge of highway planning and be able to plan efficient movement of transport vehicles. Should have thorough knowledge of truck performance and trucking facilities.

Military experience desirable.

Should have civilian experience in highway planning, traffic engineering, or motor transport operations.

## SOURCE JOBS

Highway Engineer  
Executive Officer, Trucking  
Company

Automotive Engineer  
Traffic Engineer

### MOTOR VEHICLE DISTRIBUTION OFFICER (0650)

Supervises operation of a motor vehicle distributing unit in transportation of track-laying or wheeled vehicles. Receives, inspects, and maintains equipment at a storage or reconsignment station in a staging area or oversea distribution point; contacts units to be serviced to determine quantity and types of vehicles required; surveys and studies highway facilities within area; coordinates control and movement of motor convoys with traffic officers; assigns personnel, vehicles, and equipment to convoys; directs the tactical and technical training of personnel, arranges for proper security of units, and maintains organizational records and reports.

Must have a knowledge of track-laying and wheeled vehicles and be familiar with supply and convoy operations.

Military experience essential. Should have sufficient training and experience to be familiar with camouflage, protective tactics, and company administration.

Several years' civilian experience in automotive supply and transportation very desirable.

## SOURCE JOBS

Truck Fleet Operator      Automotive Distributor

### TRUCK OFFICER (o66o)

Commands a truck unit and is responsible for hauling cargo and for movement of troops by motor transport. Instructs and supervises personnel in truck and convoy operation, maintenance and tactical employment of motor vehicles, and in methods of loading cargo and distribution of loads; prepares schedules and supervises assignment of tasks and dispatching of vehicles to insure timely and safe delivery of cargo and personnel; is responsible for administration, transportation, supply and security of unit.

Must be thoroughly familiar with the operation, maintenance, and employment of such motor transport equipment as six-wheeled vehicles, truck-tractors, trailers, or semitrailers.

Military experience including completion of motor school essential.

Broad civilian experience in transportation of merchandise by motor transport essential.

## SOURCE JOBS

Motor Fleet Operator      Dispatcher, Motor Freight

### CAR OFFICER (o661)

Commands a car unit and is responsible for providing motor vehicles for passenger transportation and messenger service for headquarters. Instructs and supervises personnel in operation, minor maintenance, and tactical employment of vehicles; conducts regular inspections to determine condition of vehicles and to insure compliance with preventive maintenance measures; prepares schedules and issues instructions for the assignment of tasks and the dispatching of vehicles; supervises preparation of unit reports and is responsible for administration, tactical and technical training, supply, transportation, and security of unit.

Must be thoroughly familiar with operation, driver maintenance, and fuel and parts supply of passenger vehicles.

Military experience including completion of a course in motor school essential.

Civilian supervisory experience in motor transportation including maintenance and supply problems very desirable.

## SOURCE JOBS

Manager, automobile      Service Manager,  
rental agency              automotive  
Dispatcher, buses and taxicabs

### DUMP TRUCK OFFICER (o662)

Commands a dump truck unit and is responsible for its administration, training, supply, transportation, equipment, security and tactical employment in the transportation of road metal and other bulk materials in connection with engineer operations such as highway, railroad, and bridge construction. Selects and supervises motor park; provides for storage maintenance of equipment; repairs roads near motor park; directs convoy movements to site of operations; moves bulk material as directed from engineer supply dumps or from local resources to the site of operations; augments the facilities of general engineer troops in the shuttling of materials to and from the site of operations.

Must be familiar with the maintenance and employment of such equipment as dump trucks, cargo trucks, and carpenter and wheelwright sets. Must be able to direct groups of men engaged in the loading and hauling of such bulk materials as gravel, crushed rock, planks, railroad ties, rails, road metal, and demolition materials.

Military experience including training in the use of small arms essential. Should have completed courses at an engineer officers' school.

## SOURCE JOBS

Truck Loader      Truck-tractor Driver

### AMPHIBIAN TRUCK OFFICER (o668)

Commands and supervises an amphibian truck unit employed in the delivery of supplies in ship-to-shore or river crossing operations. Trains personnel in use of small arms, and maintenance and operation of amphibian trucks; supervises inspection and repair of amphibian trucks; supervises loading, unloading, and the stowing of amphibian trucks aboard ships; supervises ship-to-shore operation of amphibian trucks to supply distribution points and return; takes inventories of all stores and materials; requisitions supplies and repairs.

Should be familiar with fuel and parts supply, operation, and maintenance of amphibian trucks. Knowledge of inboard motor boats and other small craft very desirable.

Military experience, including completion of amphibian truck motor school, essential.

Civilian experience in the management of a motor transportation service involving problems of supply, dispatch, and maintenance of automotive equipment desirable.

### SOURCE JOBS

Automobile Service Manager Bus or Motor Freight Manager, Motor Freight Dispatcher

### TRANSPORTATION SUPERINTENDENT (0690)

Directs transportation and terminal operations at a port, depot, arsenal, reconsignment point, or other military installation. Issues directives and instructions regarding placement, storage, and distribution of materials and supplies; directs or supervises receipt, assembly, and movement of oversea supplies and equipment to and from port terminals and staging areas, and transport of military personnel overseas; arranges for procurement and placement of rail, motor, and water equipment and coordinates rail, freight, and truck movements within a terminal; is responsible for operation and maintenance of rolling equipment such as locomotives, railroad cars, and cranes; directs compilation of records, reports, and other information pertaining to freight and passenger traffic operations; is responsible for issuance of bills of lading, customs, clearance and consular papers, and transportation requests.

Must be thoroughly familiar with operating procedures incident to control of shipments, loading and unloading, warehousing, and other terminal activities in connection with freight and passenger movements by rail, motor, and water transportation. For duty at a port terminal, must have comprehensive knowledge of port operations and preparation of marine shipping documents.

Military experience desirable.

Considerable civilian administrative experience in rail, motor, or water transportation of supplies and equipment essential.

### SOURCE JOBS

Freight Transportation Agent Terminal Superintendent Traffic Manager

*Transportation Staff Officer (0692) (See C 1)*  
RAIL TRANSPORTATION OFFICER (0700)

Directs the routing and dispatch of freight shipments and the scheduling of passenger transportation by rail. Routes shipments, materials, and sup-

plies from production points to destination; plans traffic schedules; expedites movement of goods consigned to ports of oversea units; investigates delay in movement of supplies and issues instructions to correct conditions; inspects materials for damage in transit and arranges for replacement or repair; prepares itineraries for passenger travel, and arranges for reservations and issuance of transportation requests; contacts representatives of various transportation agencies to arrange for essential equipment and determines available accommodations for troop movements and freight shipments.

Must be familiar with regulations governing the issuance of Government bills of lading, travel requests, and negotiation of transportation contracts.

Civilian administrative experience in a railroad or industrial organization in the dispatch and control of freight shipments or passenger travel desirable.

### SOURCE JOBS

Traffic Manager Travel Agent  
Freight Manager Railway Express Clerk  
Passenger Agent Freight Forwarding Agent

### TRAINMASTER (0706)

Commands a railway train operating unit and supervises enginemen and trainmen in road and yard operations of freight and passenger trains. Enforces rules and regulations required for safety and efficiency in train operations; inspects condition of equipment and stations and investigates train delays and accidents; prepares duty schedules for manning of trains by crews and arranges personnel schedules with train dispatcher; insures that available cars are utilized to fullest extent; supervises loading and unloading of cars; recommends improvements in operating conditions; prepares reports on the operations of the unit and is responsible for its administration, training, supply, equipment, and security.

Civilian experience in operating department of railroad and in supervision of yard functions and train dispatching essential.

### SOURCE JOBS

Assistant Trainmaster Train Dispatcher  
Chief Dispatcher Yardmaster

### RAIL TRANSPORTATION REGULATING OFFICER (0707)

Regulates supply and personnel movements by rail. Maintains regularity and smooth movement of

supplies and replacements to and evacuation of casualties, prisoners, and salvage from the combat zone; prevents congestion to permit uninterrupted maneuvers of supplies and troops in rear of the combat forces; enforces rail traffic priorities; arranges for movement of rail traffic between depots, or holding and reconsignment points, and railheads, or other supply points; regulates number of cars or trains at a holding or reconsignment point; keeps regulating station and trackage free of surplus cars and supplies; provides for distribution of returning cars to depots in the rear; keeps informed concerning status of supplies, location of units and establishments, military plans, hospital capacities and number of hospital trains available, status of railway equipment, and operating schedules in effect; advises on location of railheads to assure adequate unloading facilities, suitable road net, and sufficient reserve storage space. May perform similar functions in the zone of the interior.

Must have a knowledge of loading, dispatching, routing, and control of freight in transit.

Should have administrative experience in a railroad, industrial, or commercial concern responsible for large shipments.

College training in traffic engineering desirable.

#### SOURCE JOBS

Freight Traffic Manager	Rail Traffic Consultant
Traffic Analyst	Transit Man
Train Dispatcher	

#### STATIONMASTER (0709)

Supervises rail transportation through and at a railway station. Cooperates with the transportation regulating station and entraining and detraining officers to assure expeditious handling of traffic; supervises functions of all operating and road crews at railway station; directs arrangements for loading, release, and movement of railroad cars; informs division superintendent of all activities and requirements of the station.

Civilian administrative experience in railroad operation desirable.

#### SOURCE JOBS

Trainmaster	Yardmaster
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#### RAILWAY MAINTENANCE OF WAY SUPERINTENDENT (0715)

Directs or supervises the maintenance of way activities of a railway organization. Inspects tracks,

roadbeds, bridges, culverts, buildings, water towers, coaling stations, and other railway structures to determine the nature and extent of repairs; assigns road and structure maintenance tasks to repair units and crews; directs or supervises the distribution of construction materials to replace washed out or destroyed structures and roadbeds; supervises the operations of repair crews and inspects finished work; submits reports on inspections and on maintenance work. May command a maintenance of way unit and be responsible for its administration, training, supply, equipment, transportation, and security.

Must be able to direct the work of construction foreman, railway section foreman and section hands, blacksmiths, bridge inspectors, bridge and construction carpenters, painters, pipefitters, power shovel operators, stonemasons, and structural steel workers. Must have experience in laying out and directing construction work from drawings. Must have a thorough knowledge of railroad, track maintenance, and civil engineering practices applying to maintenance of way, tracks, and bridges.

Civilian experience in railway construction or maintenance of way work essential.

#### SOURCE JOBS

Railway Construction Foreman	Roadmaster
Railway Maintenance of Way Engineer	Track Superintendent

#### RAILWAY BRIDGE AND BUILDING SUPERVISOR (0716)

Directs or supervises maintenance of bridges, culverts, buildings, snow sheds, fences, water stations, coaling stations, and stationary boilers in buildings other than shops; insures repair of tools and machines; maintains emergency supplies of bridge materials to replace washed out, burned, or destroyed structures; maintains records of supplies issued and submits reports. May command a railway bridge and building maintenance unit and be responsible for its administration, training, supply, equipment, transportation, and security.

Must be able to direct work of construction carpenters and foremen, blacksmiths, bridge inspectors, bridge carpenters and stonemasons, painters, power shovel operators, structural steel workers, and pipefitters. Knowledge of bridge and building construction methods and experience in laying out and directing work from drawings essential.

Civilian experience in construction or maintenance work on railways essential.

### SOURCE JOBS

Railway Construction Foreman      Railway Bridge and Building Foreman

### RAILWAY TRACK SUPERVISOR (0717)

Directs or supervises the maintenance of railway track and roadbed. Inspects track and roadbeds to determine the nature and extent of repairs; assigns road maintenance tasks to units and crews; directs or supervises the distribution of construction materials; submits reports on inspections and on maintenance work. May command a track maintenance unit and be responsible for its administration, training, supply, equipment, transportation, and security.

Must be able to direct work of railway section foremen and section hands.

Civilian experience in the maintenance of railway track and roadbed essential.

### SOURCE JOBS

Track Supervisor      Roadmaster  
Section Foreman      Maintenance of Way  
Railroad Construction Supervisor or Engineer  
Supervisor or Engineer

### RAILWAY SIGNAL MAINTENANCE SUPERVISOR (0718)

Supervises operations of a railway signal maintenance section. Inspects signals along railway routes and supervises checking of batteries, cleaning of lenses of signal lamps, testing of signal circuits, repairing of defective signals and installing replacements; supervises maintenance and repair of railway telephone, telegraph, and other signal installations; submits reports of investigations and repair work; cooperates with Signal Corps on technical matters.

Must be able to supervise work of railway signal maintenance men, telephone and telegraph installers, repairmen and linemen, and wire chiefs.

Civilian experience in maintenance and repair of railway communication and signal systems essential.

### SOURCE JOBS

Railroad Signal Maintenance Supervisor      Signal Inspector  
Telephone and Telegraph Maintenance Supervisor      Signal Lineman

### ROAD FOREMAN, RAILROAD ENGINES (0720)

Commands a unit of train operating crews. Instructs engineers and firemen in their duties; takes measures to avoid engine failures and delays; reports water and fuel deficiencies to railway dispatcher; informs master mechanic and trainmaster of condition of engines; supervises train crews in proper handling of equipment, the observance of safety precautions, and the maintenance of operating schedules; prepares various reports on the operation of the unit, and is responsible for its administration, training, supply, equipment, and security.

Civilian railroad experience with locomotives essential.

### SOURCE JOBS

Locomotive Engineer      Traveling Locomotive Fireman  
Traveling Locomotive Engineer      Road Foreman of Engines

### RAILWAY WATER SERVICE SUPERVISOR (0721)

Directs the operations of water distribution stations of a railway system. Selects location for and supervises construction of water stations; maintains all piping and mechanical appliances; coordinates railway water requirements of railway operating units.

Should have civilian railroad water station construction and maintenance experience.

College training in mechanical or civil engineering courses desirable.

### SOURCE JOBS

Railroad Water Station Engineer      Water Service Supervisor  
Water Service Foreman

### YARDMASTER (0730)

Supervises the make-up and break-up of trains within a railroad yard. Inspects operating equipment and yard facilities; plans proper sequence of moves in yard operations; insures that cars are properly routed and placed for loading and unloading; issues orders to train crews concerning switching operations; supervises preparation of records of car numbers and personnel.

Civilian experience in railroad yard operations essential.

## SOURCE JOBS

Railroad Freight Conductor    Chief Railroad Yard  
Railroad Yard Foreman        Clerk  
   Yardmaster

### RAILWAY MASTER MECHANIC (0735)

Directs or supervises activities of roundhouses, car repair shops, and other terminal facilities for handling locomotives and cars. Directs dispatch of engines and cars from shops and sees that rolling equipment is inspected, equipped, and in condition for service; prescribes shop safety rules and makes inspections to enforce compliance; determines extent and nature of repairs required on rolling stock, portable boilers, and other heavy equipment, assigns light tasks within the unit and sends heavy repair work beyond the capacity of local facilities to shops of higher echelons; supervises light repair and maintenance operations such as cleaning air brake apparatus, installing electrical wiring, adjusting wheel bearings and other mechanical adjustments or replacements required to keep equipment in serviceable conditions; directs stockage and supply of materials, replacement parts, and tools; keeps records and renders reports on inspection and maintenance activities. May command a railway maintenance of equipment unit and be responsible for its administration, training, supply, equipment, transportation, and security.

Must be able to direct work of airbrake mechanics, blacksmiths, boilermakers, car carpenters, locomotive and car mechanics, and inspectors, electricians, locomotive hostlers and oilers, welders, and pipefitters.

Civilian experience in maintenance of locomotives, cars, and other railroad equipment essential.

## SOURCE JOBS

General Foreman, Rail-    Railway Shop Foreman  
way                            Railway Master Mechanic  
Roundhouse Foreman

### RAILWAY CAR FOREMAN (0736)

Directs or supervises car repair and maintenance activities of a railway operating organization and has charge of car sheds and car handling equipment at a terminal. Supervises dispatch of cars from shops and sees that cars are inspected, equipped, and in condition for service; enforces shop safety rules; determines extent and nature of repairs required on cars and light rolling stock; supervises

light repair and maintenance operations such as cleaning air brake apparatus, installing electrical wiring, adjusting wheel bearings and other mechanical adjustments required to keep cars in serviceable condition; supervises operation of wrecking trains; maintains adequate supply of materials, replacement parts and tools; keeps records and renders reports on inspection and maintenance activities. May command a car repair unit and be responsible for its administration, training, supply, equipment, transportation, and security.

Must be able to supervise work of air brake mechanics, blacksmiths, car carpenters, car mechanics and inspectors, crane hoist operators, welders, painters, and pipefitters.

## SOURCE JOBS

Car Inspector, Railway    Car Foreman, Railway  
Car Repair Shop Foreman

### ENGINEHOUSE FOREMAN (0737)

Directs or supervises locomotive service and maintenance activities of a railway operating organization and has charge of enginehouse and other terminal facilities for handling locomotives. Supervises dispatch of engines and see that engines are inspected, equipped, and in condition for service; enforces enginehouse safety regulations; determines extent and nature of repairs required on locomotives, wreckers, portable boilers, and other heavy equipment; supervises light repair and maintenance operations such as cleaning air brake apparatus, installing electrical wiring, adjusting wheel bearings, and other mechanical adjustment and replacement work required to keep equipment in serviceable condition; maintains adequate supply of materials, replacement parts, and tools; keeps records and renders reports on inspection and maintenance activities. May command a locomotive repair unit and be responsible for its administration, training, supply, equipment, transportation, and security.

Must be able to supervise work of air brake mechanics, blacksmiths, boilermakers, locomotive mechanics and inspectors, crane hoist operators, electricians, locomotive hostlers and oilers, welders, and pipefitters.

## SOURCE JOBS

Railroad Shop Foreman        Locomotive Inspector  
Roundhouse Foreman

## RAILWAY DISPATCHER (0740)

Directs the movement of trains over a military road net. Supervises car ordering and movement of empty equipment, loading and unloading of cars and disposition of surplus equipment; reroutes or re-schedules trains during emergencies; supervises work of enlisted train dispatchers and telegraph operators; insures that fuel stations are fully supplied; keeps informed on conditions of such facilities as water tanks, signal and fuel stations, and initiates action to correct deficiencies; reports all failures to meet schedules, accidents to trains, or damage to road; dispatches trains on a priority basis; maintains record of train movements.

Must be able to supervise work of enlisted dispatchers, car distributors, railway tower men, telegraph operators, and telephone operators.

Military experience desirable.

Civilian experience in dispatching trains desirable.

### SOURCE JOBS

Train Dispatcher                      Chief Dispatcher

## RAILWAY OPERATIONS SUPERINTENDENT (0750)

Directs the transportation operations of a railway division, grand division, or railway headquarters. Insures coordination of schedules, preparation of train and station rules, issuance of regulations for loading cars, make-up and movement of trains; inspects operations and facilities to enforce regulations, determine operating and maintenance efficiency, and evaluate effectiveness of training; supervises preparation and fulfillment of demolition plans; maintains records and issues reports on the operations of the unit and is responsible for its administration, training, supply, equipment, transportation, and security.

Civilian administrative experience in some branch of railroad transportation desirable.

### SOURCE JOBS

Trainmaster                      Chief Train Dispatcher  
General Yardmaster              Railway Division or  
Railway Division Engineer      Grand Division  
   Superintendent

## RAILWAY CAR SERVICE SUPERINTENDENT (0753)

Directs distribution of freight and passenger cars

throughout a railway system. Supervises the assembly, assorting, classifying, and relaying of trains; traces car movements and returns empty cars to terminals or yards; establishes procedures to assure prompt handling and release of cars; investigates delays and renders reports.

Must have experience in railroad operations and car handling practices.

### SOURCE JOBS

Car Service Superintendent              Car Distributor  
Trainmaster                                  Chief Dispatcher

## RAILWAY EQUIPMENT SUPERINTENDENT (0754)

Directs administrative procedures in the selection of railway equipment. Determines types of equipment required to meet operating conditions; prescribes policies and regulations for maintenance of equipment; formulates rules and issues regulations for inspection; exercises technical supervision over all railway repair shops.

Must have knowledge of railroad equipment and repair methods.

Civilian experience in the operation of railroad repair shops essential.

### SOURCE JOBS

Master Mechanic                      General Foreman, Railway  
Railway Shop Superin-      Master Car Builder  
tendent

## ELECTRIC RAILWAY POWER TRANSMISSION SUPERINTENDENT (0761)

Supervises the operation, maintenance, and repair of high voltage power distribution for an electric railway system. Directs the maintenance, repair, and installation of high-voltage relays, breakers, regulators, transformers, sectionalizing switches, and protective and controlling apparatus; instructs and trains personnel in the knowledge of circuits in the territory, clearance requirements, and in the necessary calibrating of substation equipment; supervises the preparation of records and reports; inspects work performed to insure safe and efficient operation of the system; maintains proper inventory of necessary materials, equipment, and tools.

Must have thorough knowledge of high-voltage catenary overhead and third rail systems.

Military experience in Transportation Corps de-

sirable; should have completed orientation course in Transportation Corps.

Civilian experience on electric railroad system including complete supervision of a section or division essential.

Should have college training in electrical engineering or equivalent experience with electric railroad system.

#### SOURCE JOBS

Superintendent of Telegraph and Signals, Railroad	Foreman, Electric Railroad
Assistant Superintendent of Telegraph and Signals, Railroad	General Foreman, Electric Railroad
	Gang Foreman, Electric Railroad

#### HARBOR MASTER (0801)

Supervises the operation of harbor craft in ports of embarkation or debarkation. Makes assignments of tug or tow boats for interterminal shifting of lighters, barges, and scows, or other general harbor tasks; prepares sailing schedules for the movement of military and civilian personnel, freight, and equipment in and about the harbor; arranges the leasing and chartering of privately owned tugs, lighters, and scows; supervises the maintenance of records and prepares reports.

Must have a thorough knowledge of traffic requirements relating to general port and harbor operations, and understanding of military organization and administration.

Experience in the administration of port or terminal operations and maintenance of small harbor craft desirable.

Marine training or pilots school training desirable.

#### SOURCE JOBS

Marine Pilot	Traffic Manager
Water Terminal Manager	Ship's Master
Harbor Master	Towing Company
Lighter Captain	Manager

#### STEVEDORE OFFICER (0804)

Supervises the loading and unloading of ships, tankers, lighters, barges and the shipside handling of cargoes. Reviews loading and unloading schedules, quantity and type of cargo to provide necessary crews for operations; insures the orderly and efficient handling of cargo; supervises the maintenance of files and records of stevedore operations

as prescribed in regulations and operating agreements for merchant seamen; contacts commercial agents and contractors to furnish personnel; prepares reports. May supervise loading and unloading operations in connection with amphibian engineer and amphibian truck operations.

Must have considerable knowledge of loading and stowage of cargoes and regulations concerning stevedore personnel.

Civilian experience as gang boss or stevedore foreman in charge of loading and discharging of steamships essential.

#### SOURCE JOBS

Marine Pier Supervisor	First Officer, Cargo Ship
Longshoreman Supervisor	Hatch Foreman

#### CARGO OPERATIONS OFFICER (0806)

Directs administrative operations to control inbound and outbound cargoes at a port. Issues instructions for vessel movement from anchor, subterminal or other location to piers; allocates berthing space at piers; directs the inspection and checking of cargoes; prepares manifests, cargo reports, customs, and other shipping documents; arranges for clearance of inbound and outbound cargoes; supervises auditing of freight charges and preparation of finance reports; supervises maintenance of tonnage records and loading plans; communicates by radio or telegraph with ports of destination to transmit cargo reports and make docking and unloading arrangements. May charter commercial vessels and perform a variety of administrative duties.

Must have thorough knowledge of port and terminal operations concerning shipment of cargo, stevedoring, foreign freight forwarding, charter brokerage, and related steamship activities.

Civilian administrative experience in water and rail transportation essential.

#### SOURCE JOBS

Freight Dispatcher	Freight Examiner
Stevedore Superintendent	Steamship Broker
Freight Broker	Terminal Supervisor

#### DOCK ORDNANCE OFFICER (0807)

Directs administrative activities concerned with checking, inspecting, and loading ordnance material at a port. Inspects loading and stowing of material on docks and aboard ship to insure that adequate safety cautions have been observed; maintains liai-

son between port ordnance officer and Army Transport Service to provide adequate dock and loading facilities; collaborates with other port officers in technical problems concerning loading and stowing of ammunition and explosives; provides for fire prevention and fire-fighting measures; supervises the maintenance of files and records; prepares reports; indicates location, quantity, and types of explosives on piers.

Requires considerable knowledge of general ordnance supply and the surveillance of ammunition and explosives.

Military experience required.

Civilian administrative experience in the manufacture and shipping of ordnance material and supplies desirable.

Training in chemistry or chemical engineering desirable.

#### SOURCE JOBS

Terminal Supervisor      Warehouse Supervisor  
Ordnance Inspector

#### ARMY TRANSPORT CONTROL OFFICER (0808)

Directs planning and control of operations concerning overseas transportation of troops and supplies at a port. Maintains liaison with port and sub-terminal facilities to coordinate and control operating procedures and obtain information on warehouse, dock, and vessel accommodations; prepares estimates of vessels and miscellaneous craft required for mobilization and overseas transportation services; cooperates with various arms and services to arrange port accommodations and schedule ship movements; assists port officers in planning expansions of various departments to meet new requirements.

Must have thorough knowledge of administrative and technical operations of steamship agencies.

Civilian experience in steamship operations and marine terminal activities desirable.

#### SOURCE JOBS

Steamship Freight Agent      Marine Terminal  
Marine Freight Coordinator      Superintendent

#### BOARDING OFFICER (0809)

Boards overseas troop and freight transports prior to sailing, and inspects and reports on the general condition of the ship, equipment, troop facilities,

and passenger accommodations. Coordinates inspection reports of medical, veterinary, armament, marine safety inspectors, and others covering such items as berthing arrangements, sanitation, ventilation, water and food supply, mess facilities, and safety devices; prepares berthing plans and reports any irregularities. May distribute shipping articles, insurance forms, and allotment papers to civilian crew members. May meet incoming passenger vessels, secure crew and passenger lists, and other pertinent information, and render assistance to customs and immigration authorities.

Civilian experience in steamship passenger agency or in steamship line operation essential.

#### SOURCE JOBS

Steamship Passenger      Ship's Officer  
Agent      Marine Inspector

#### TRANSPORT PASSENGER OFFICER (0810)

Directs booking of passengers and troops boarding transports; maintains alphabetical lists and deck plans of Army transports; prepares passenger lists and assignments of accommodations; examines credentials to determine registry, purpose of mission, identity of passengers, and arranges for their passage through port; supervises receipt, recording, and distribution of baggage and mail for crews and passengers; maintains records and prepares reports.

Requires a knowledge of procedures concerning booking of passengers for overseas travel.

Civilian administrative experience in general offices of a steamship organization desirable.

#### SOURCE JOBS

Steamship Passenger      Steamship Passenger  
Agent      Traffic Clerk  
Travel Agency Manager

#### SHIP TRANSPORTATION OFFICER (0812)

Represents chief of transportation, theater commander or a comparable authority in matters concerning the movement of cargo or cargo and personnel dockside and aboard ship. Establishes and enforces measures for cargo security and protection during loading, voyage, and unloading to prevent mishandling and pilferage; in cooperation with the ship's master, makes inspections to determine adequacy of security and protection of all accessible cargo and equipment affecting cargo including hatches, lashings, manholes, and ventilators; makes

reports of any irregularities to the port officer; delivers manifests and storage plans, against receipt to port authority; prepares voyage reports and intelligence reports on transportation problems and makes recommendations for corrective action calculated to reduce cargo losses through mishandling or pilferage; assists fort commanders in carrying out directives related to movement of cargo or cargo and personnel aboard vessels. May command attachment of military personnel or prisoners of war when such are carried in addition to cargo.

Graduation from Quartermaster Corps or Transportation Corps Officer Candidate School desirable.

Civilian experience in cargo handling, marine insurance or freight shipping desirable.

#### SOURCE JOBS

Cargo Damage Surveyor	Freight Examiner
Marine Insurance Investigator	Stevedore Manager

#### PORT STEWARD (0813)

Supervises the loading and storage of subsistence stores aboard vessels at a port. Maintains inventories of supplies on hand and prepares requisitions to maintain prescribed stock levels; supervises loading of subsistence stores on departing vessels and directs disposition of perishable items and other stores removed from vessels at conclusion of voyages; procures steward department personnel and is responsible for their supervision aboard ship; prepares reports and records concerning steward activities at the port and aboard vessels.

Must have knowledge of steward department administration, the preparation of steward's documents and records, and the employment of ship steward department personnel.

Civilian experience in the administration of steward activities at a port or aboard ship essential.

#### SOURCE JOBS

Ship Steward	Port Steward
Railroad Steward	Hotel Steward
Executive Chef	

#### SUPERINTENDENT, WATER DIVISION (0815)

Plans and directs movement of troops, materials, and supplies through the port. Controls operation of water transportation equipment assigned to the port, including chartered facilities; prepares sailing

orders for transports; charters ships and harbor boats; directs activities of harbormaster; cooperates with transportation officers in the movement of troops and supplies from staging areas to shipside; controls freight traffic operations on piers and allocates pier space and ship berths; directs receipt of supplies and determines procedure for stevedoring, loading, and stowing operations; directs conversion, maintenance, and repair of vessels and dock equipment and ascertains that vessels are in seaworthy condition; directs employment of civilian and military crews, dock workers, and repairmen; coordinates activities relating to preparation of ship's manifests, fiscal records, and other records and reports; arranges customs and immigration clearance.

Civilian experience in planning, organizing, and directing activities of a marine terminal or steamship agency essential.

#### SOURCE JOBS

Pier Superintendent	Maritime Superintendent
Cargo Operations Superintendent	Steamship Agent
Marine Terminal Superintendent	Steamship Line Superintendent
	Cargo Agent

#### PIER SUPERINTENDENT (0816)

Supervises maintenance and repair of pier loading equipment and gears, supervises docking of vessels, and insures that safety regulations are followed in various pier operations. Inspects and maintains gangways, platforms, catwalks, air-raid devices, cargo lights, and other pier equipment; inspects fire-prevention equipment and enforces fire prevention regulations and safety practices; maintains liaison with freight operations officer and stevedore officers relative to docking of vessels and supervises docking and undocking of ships at pier; inspects life saving and other safety equipment aboard ships at pier; collects information concerning vessels such as drafts, type of power, and gross tonnages.

Civilian experience in supervising various pier operations essential.

#### SOURCE JOBS

Stevedore Foreman	Pier Foreman
Marine Inspector	

#### PIER OFFICER (0818)

Directs movement of inbound and outbound cargo on piers; directs loading on vessels in accordance

with priorities and plans prepared by cargo operations division; makes final examination to determine that ship's manifests, storage plans, certificates of satisfactory stowage, and lists of gear to be recovered are in order; allocates pier space for in-transit storage of cargo; supervises intransit storage and protection of cargo; keeps records and prepares reports concerning loading and unloading operations.

Civilian experience in supervising pier operations essential.

#### SOURCE JOBS

Warehouse Superintendent      Pier Supervisor  
Stevedore Foreman

#### MASTER OR MATE<sup>1</sup> (0820)

Directs the navigation, repair, and maintenance of various types of boats and is responsible for the safety, conduct, and training of all technical personnel. Supervises crew in navigating, manning guns, and maintaining ship's equipment; inspects ship to insure proper stowage of cargo and equipment, and fitness for operations; supervises arrangements of deck machinery; inspects conditions; plots prescribed course from maps and maintains a chart of location; keeps a log of operations; prepares specifications for repair and maintenance work; directs communication between ships and ship-to-shore. May perform additional duties in connection with operations of mine planters or crash boats.

Must possess thorough knowledge of navigation principles, care of seagoing vessels, marine transportation routes, and mechanical operation of ships and their equipment.

Must have civilian experience as master or mate.

#### MARINE ENGINEER (0823)

Directs or supervises activities of a ship's engine room crew. Supervises repairs and operations of engines, pumps, injectors, condensers, boilers, electrical equipment, refrigerating and sanitary equipment, deck machinery, and steam connections aboard ship; starts, stops, and controls speed of power equipment; ascertains that correct water level is maintained in boilers; keeps a log of performance of equipment on voyage; supervises the rigging of emergency repairs at sea and permanent minor repairs when laid up in port; oversea fueling of ship; requisitions engine room supplies and keeps inventories; stands watch in engine room. May operate steam or Diesel engines.

<sup>1</sup> Use appropriate title.

Civilian experience in marine engine room supervision and the operation and maintenance of mechanical equipment aboard ships essential.

#### SOURCE JOBS

Assistant Marine Engineer      Chief Marine Engineer

#### SMALL BOAT UNIT COMMANDER (0825)

Commands a unit of crash boats, harbor craft, or other small boats. Supervises operations of tug boats, motor tow boats, marine tractors, floating cranes, cargo barges, oil barges, ferry boats, small tankers, freighters, and passenger vessels; assigns crews for operating shifts and issues orders to crews; inspects tugs and equipment and oversea loading of cargo barges; plans towing procedures and hook-ups; directs the placing and moving of floating cranes and supervises crews in rigging and operating the crane; keeps log of tug and barge movements and conditions; requisitions supplies; prepares reports of unit activities and is responsible for its administration, training, supply, equipment, transportation, and security. May perform similar functions in the operation of crash boats employed in rescue of flying personnel and salvage of aircraft. May command platoon or company of harbor craft or small boats.

Must be able to supervise work of military or civilian personnel employed as marine engineers, masters and mates of harbor vessels, marine tractor drivers, ship's carpenters, cargo foremen, deckhands, ship's electricians, oilers, pipefitters, and welders.

Civilian experience in tug, barge, and lighterage operations on inland waterways or in harbors essential.

#### SOURCE JOBS

Tug Master      Harbor Master  
Barge Crane Captain      Barge Captain

#### INLAND WATERWAYS TRANSPORTATION REGULATING OFFICER (0830)

Regulates supply and personnel movements by inland waterway transportation. Maintains regularity and orderly movement of supplies and replacements to and evacuation of casualties, prisoners, and salvage from the combat zone; prevents congestion of river or canal traffic to assure uninterrupted maneuver of supplies and troops in rear of the combat

forces; keeps informed on military plans, location of military units and conditions of inland water traffic, and desired location of supply points; arranges for movement of river and canal traffic and advises on the selection of sites for water heads, taking into consideration facilities for unloading of supplies, adjacent road net and storage space; issues orders for specified tonnage to be kept on call in designated areas, and may direct physical pooling of inland waterway transport at designated places; recommends general plans of allocation and employment of available inland shipping facilities; keeps detailed plans prepared for employment of large scale inland water transportation; establishes and enforces river and canal traffic priorities. May perform similar functions in the zone of the interior.

Must have knowledge of loading, dispatching, routing, and control of inland water freight in transit.

Military experience desirable.

Civilian experience in barge, tug, and lighterage operations on inland waterways and in harbors essential.

College education in the field of transportation very desirable.

### SOURCE JOBS

Inland Waterway Superintendent

### AIR TRANSPORTATION REGULATING OFFICER (0910)

Regulates supply and personnel movements by military or commercial transport. Maintains regularity and orderly movement of supplies and replacements to and evacuation of casualties from the combat zone; prevents congestion at airdromes to assure uninterrupted movement of supplies and troops; keeps informed on military plans, location of military units and establishments, air transport needs of troops, availability of military and civilian air transport, and conditions of air traffic; arranges for movement of air traffic between supply bases and forward distribution points; advises on selection of air fields, taking into consideration facilities for handling supplies and adjacent highway and railroad nets; issues orders for specified air transport carrying capacity to be kept on call in designated areas and may provide for physical pooling of air transport at designated places; determines most effective utilization of equipment to meet demands for supply and personnel movements; keeps detailed plans prepared for large scale air transport opera-

tions; establishes and enforces air transport priorities. May supervise contracts with commercial air lines. May perform similar functions in the zone of the interior.

Must have knowledge of flight regulations, loading of supplies on air transports, effect of weight distribution on displacement of centers of gravity, and effect of weather conditions on air operations.

Civilian executive experience with commercial air lines desirable.

### SOURCE JOBS

Air Line Superintendent      Flight Control Chief  
Air Traffic Manager

### WEIGHT AND BALANCE OFFICER (0911)

Controls weight and balance of aircraft under jurisdiction of an Army Air Forces organization or installation, determining that they are properly loaded and authorizing their release for flight. Maintains records of weight and balance status of aircraft; recalculates weight and balance or reweighs airplane after all changes and repairs are completed and reweighs all aircraft at least once each year; trains pilots in use of the balance computer and loading graph; arranges for certification of scales under his jurisdiction by a competent inspector of weights and measures at stipulated intervals; ascertains by inspection that airplane is actually loaded in accordance with balance calculations.

Must be a graduate of Army Air Forces Weight and Balance School or have equivalent experience.

### PRIORITIES AND TRAFFIC OFFICER, AIR (0913)

Reviews requests for air transportation of personnel, matériel, and mail, and grants or denies priority in accordance with existing policy and situation. Supervises movement of traffic, regulating its volume and direction of flow; monitors scheduling of equipment and its assignment to various routes to insure efficient use of available facilities; directs the clearance of passengers with customs, public health, and intelligence agencies; supervises ticketing, manifesting, and waybilling of all passengers and cargo; schedules and supervises the loading, unloading, and storage of cargo.

Must be capable of evaluating relative urgency of requests for air transportation.

Experience in transportation management or control desirable.

## SOURCE JOBS

Airline Passenger Agent    Airline Freight Manager  
Airline Dispatcher

### SERVICE PILOT, SINGLE-ENGINE (0915)

Operates a single-engine airplane to ferry Army aircraft or to transport freight or military personnel. Receives instructions and information regarding route, landing places to be used, weather forecasts, radio facilities, and hazards; examines airplane by visual and test inspection and sees that passengers are equipped with parachutes or that cargo is properly stowed so that it will not shift or interfere with aircraft balance; navigates airplane, using standard instruments and radio aids; flies along the course of radio beam signals and uses both commercial and military landing fields; reports by radio progress or completion of mission and prepares written reports of fuel consumption, functioning of airplane and equipment, hours flown, and other pertinent observations.

Must have complete knowledge of flying regulations as prescribed by Civil Aeronautics Authority.

### SERVICE PILOT, TWO-ENGINE (0916)

Operates a two-engine airplane to ferry Army aircraft or to transport freight or military personnel. Receives instructions and information regarding route, landing places to be used, weather forecasts, radio facilities, and hazards; examines airplane by visual and test inspection and sees that passengers are equipped with parachutes or that cargo is properly stowed so that it will not shift or interfere with aircraft balance; navigates airplane, using all standard instruments and radio aids; flies along the course of radio beam signals and uses both commercial and military landing fields; reports by radio progress or completion of mission and prepares written reports of fuel consumption, functioning of airplane and equipment, hours flown, and other pertinent observations.

Must have complete knowledge of flying regulations as prescribed by Civil Aeronautics Authority.

### SERVICE PILOT, FOUR-ENGINE (0917)

Operates a four-engine airplane to ferry Army aircraft or to transport freight or military personnel, receives instructions and information regarding route, landing airplanes to be used, weather forecasts, radio facilities, and hazards; examines airplane by visual and test inspection, and sees that

passengers are equipped with parachutes or that cargo is properly stowed so that it will not shift or interfere with aircraft balance; navigates airplane, using all standard instruments and radio aids; flies along the course of radio beam signals, and uses both commercial and military landing fields; reports by radio progress or completion of mission and prepares written reports of fuel consumption, functioning of plane and equipment, hours flown, and other pertinent observations.

Must have complete knowledge of flying regulations as prescribed by Civil Aeronautics Authority.

### AIR BASE COMMANDER (1013)

Directs and supervises efficient operation and management of the base and its activities. Directs operation of flying field, movement of aircraft to and from the field, and provides for efficient service for aircraft using base facilities; determines needs of the base and arranges for proper protection, sanitation, supply, transportation, housing, construction and maintenance, administration of base activities, and morale and well-being of unit personnel.

Must be thoroughly familiar with all phases of a military flying field operations and the management of a military post. Should have executive ability to handle large scale operations.

Military experience as a flying officer essential.

Civilian experience as airport manager very desirable.

Should have college training in public or business administration.

### CONTROLLER, FIGHTER INTERCEPTION (1014)

Directs interception of enemy air raids reported directly or through an air warning service. Instructs friendly fighter airplanes as to place, time, and altitude to meet attacking aircraft; determines whether antiaircraft defenses are to handle partial or total defenses; keeps informed on location, speed, direction, and altitude of friendly airplanes and assists them in returning to their own or other friendly airdromes after mission; supervises work of central area control room.

Must be thoroughly familiar with types, speed, and capabilities of friendly fighter aircraft and enemy bombardment aircraft. Must understand the employment of antiaircraft artillery. Must be able to evaluate relative strength of enemy air attacks and determine number and types of airplanes necessary to meet them successfully.

Experience as operations officer of a fighter unit very desirable.

#### BOMBER PILOT, TWO-ENGINE (1022)

Pilots two-engine bombardment aircraft and commands crew in the accomplishment of offensive missions against the enemy. Ascertains, prior to mission, that aircraft has been properly inspected by crew members; takes off, operates, and lands airplane under varying flying conditions and such hazards as adverse weather, enemy attack, and low-altitude and night flying; maintains flight records and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must know tactics used against various types of objectives and against hostile fighter attacks. Must meet prescribed physical standards.

Must have completed flight training required at an Army Air Forces Training Center or have been rated by the Commanding General, Army Air Forces, based upon equivalent experience obtained in civilian or military aircraft.

#### PILOT, FOUR-ENGINE (1024)

Pilots four-engine aircraft and commands crew. Ascertains, prior to mission, that aircraft has been properly inspected by crew members; takes off, operates and lands airplane under varying flying conditions and such hazards as adverse weather, enemy attacks, and low-altitude and night flying; maintains flight records and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must meet prescribed physical standards.

Must be a rated pilot and have completed transition training in four-engine aircraft.

#### GLIDER PILOT (1026)

Operates a cargo-carrying or troop-carrying glider in towed and free flight on both day and night missions. Supervises loading of glider to insure proper balance; navigates by pilotage or dead reckoning; after release from towing aircraft, pilots glider to designated landing area; supervises maintenance of glider. May fly by instrument. May fly in multiple tow.

Must be proficient in precision landings over obstacles and stopping within minimum distances. Must be proficient in map reading. Must be able

to receive and send a minimum of six words per minute CW (Radio) and four words per minute with blinker signal light (visual code). Must be qualified in use of arms of the Airborne Command, in camouflage employment, and in defense against chemical attack. Must meet prescribed physical standards.

Must have completed glider training course at an Army Air Forces Training Center.

#### FLIGHT ENGINEER OFFICER (1028)

Operates the engine control panel on large multi-engine airplanes. Controls the weight and balance of such airplane during flight; computes cruising range and data relative to fuel consumption, engine, performance and load; at the pilot's direction, adjusts throttles, mixture, supercharger, and propeller pitch controls to obtain varying conditions of engine speed, manifold pressure and fuel consumption; performs such items of maintenance and adjustment as are possible during flight such as correcting malfunctions on engines, landing gear, etc.; directs the loading of the airplane; keeps the flight logs and maintains other necessary records during flight; determines from inspection reports whether prescribed inspection and maintenance have been performed by the ground crew, reporting any deficiencies to the airplane commander.

Must be capable of supervising the inspection and maintenance of the airplane between flights and under field conditions, keeping the records and reports necessary thereto.

Must be a rated Aircraft Observer (Flight Engineer).

#### AERIAL OBSERVER (1029)

Makes observations from aircraft to secure information as to the strength, disposition, activities, and probable intentions of enemy ground or naval forces and the location of enemy installations. Determines effectiveness of friendly artillery fire or bombing and operations of friendly troops; makes direct visual observations or takes aerial photographs as basis for later study; communicates from aircraft to ground units by radio or visual signaling devices such as blinker and pyrotechnics; prepares concise narrative reports on conclusion of mission for intelligence and operations officers of air or ground force units. May navigate observation airplane or fire aerial guns.

Must understand ground force organization and know identification of friendly and enemy ground

equipment, aircraft, and naval vessels. Skill in aerial photography and various types of communication essential. Must be able to detect camouflage.

Military experience essential.

Must meet prescribed physical standards and have successfully completed training prescribed by Commanding General, Army Air Forces.

#### BOMBARDIER, RADAR, LAB (Designated Set) (1030)

Tracks and bombs seaborne and land targets by means of synchronized radar methods, using designated radar bombing equipment, while flying in a bombardment aircraft. Operates, adjusts, and maintains designated LAB radar bombing equipment, such as AN/APQ-5, AN/APA-5, or other similar sets, and accessory radar equipment such as AN/APN-1, and SCR-729; obtains radar data from radar operator; spots target range line with respect to target on the scope; maneuvers aircraft by means of pilot direction indicator or automatic pilot throughout bombing run, and bombs assigned target; makes preflight inspection of bombing set and accessory equipment, and is responsible for in-flight maintenance and adjustment of radar equipment and bombsight stabilizer.

Must have thorough knowledge of the functions, care, and application of the specific radar LAB equipment and accessories.

Must have qualified as bombardier (1035) and have completed prescribed AAF course for bombardier, radar, LAB. Knowledge of electrical theory desirable.

#### NAVIGATOR (1034)

Navigates aircraft over land and sea by dead reckoning, pilotage, and celestial and radio navigation to reach objective at a predetermined time without circling or departing from the intended track. Tests and inspects all navigation equipment prior to mission and reports to pilot; receives instructions as to destination, course, time of arrival, and weather reports; navigates aircraft by use of navigation instruments such as drift meter, pelorus, aircraft octant, radio compass, and aperiodic compass; computes effect of various factors on course and plots projected courses on chart; maintains log, initiates requests for radio aids, and checks position periodically; furnishes other crew members such data as wind direction and velocity, ground speed, and drift on any heading; checks data for errors after completion of flight and recalibrates navigation in-

struments. May be required to perform duties of a bombardier, gunner, copilot or radio operator.

Must be able to pinpoint position of aircraft by reference to map and visible landmarks. Navigate by celestial means; determine position by radio fix methods and send and receive radio telegraph code and visual blinker signals. Must be proficient in calibrating and ground swinging of magnetic compass; aligning drift meter and pelorus; calibrating airspeed meter, radio compass, and other navigation instruments. Must have thorough knowledge of machine-gun sights and deflection problem, and be familiar with effect of weather conditions on military operations. Must meet prescribed physical standards.

Must have completed navigation training prescribed by Army Air Forces.

Must have high school courses in mathematics and physics.

#### BOMBARDIER (1035)

Locates, identifies, and accurately bombs assigned targets from a bombardment airplane. Inspects and tests bombsight and allied bombing equipment at station prior to flight and reports to pilot; locates and identifies objective from data and maps furnished during preflight briefing; adjusts bombsight for specific conditions such as ground speed, altitude, and drift of airplane, by transposing these values into bombsight in accordance with mathematical tables; releases bombs when objective appears in the marking on bombsight, or uses judgment when airplane is forced to alter course; fires flexible mount machine guns or cannon at enemy aircraft; repairs malfunctioning equipment; writes reports of observations during flight.

Must be able to navigate during daylight hours by dead reckoning means with a maximum error of one and one-half degrees and a maximum E.T.A. error of one and one-half minutes per hour of flight from the last known position. Must be proficient in target identification and in selection of initial point to permit a bombing run of definite duration. Must be proficient in map reading and pilotage so that under normal weather conditions the pilot can be continually informed as to position. Must be proficient in "Follow the Pilot" system and be able to maintain a log correctly. Must be proficient in calibration of navigation instruments. Must have thorough knowledge of theory of bombing, and the bombsight, and of machine gun sights, and deflection at firing problems. Must be proficient in day and

night bombing under conditions of poor visibility, both in operating bombsight, use of bombrack and accessory equipment, and calibrating instruments used by bombardier. Must be qualified in flexible gunnery.

Should meet prescribed physical standards and must have successfully completed requirements for Bombardier prescribed by the Commanding General, Army Air Forces.

#### NAVIGATOR-BOMBARDIER (1036)

Performs duties of navigator and bombardier on bombing missions. Inspects and adjusts bombsights and navigation instruments and equipment prior to take-off; receives instruction as to objectives, weather conditions, and other pertinent information; navigates aircraft during flight; sights target, makes various mechanical adjustments, and directs pilot in making the bombing run; releases bombs when target appears at intersection of cross hairs in bombsight. May fire aerial guns when attacked by enemy aircraft.

Must have thorough knowledge of air navigation and bombing theory and be able to operate skillfully bombsight and navigation instruments. Must be alert and accurate in making calculations. Must meet the prescribed physical standards.

Must have completed celestial air navigation and bombardier training required by Army Air Forces.

Must have high school courses in mathematics.

#### NAVIGATOR-BOMBARDIER, RADAR, LAB (Designated Set) (1037)

Navigates by dead reckoning, celestial observations, and radar pilotage information, to and from designated targets while flying in a bombardment aircraft. Tracks and bombs seaborne and land targets by means of synchronized radar methods. Coordinates radar target position information furnished by radar operator with navigation information plotted from dead reckoning and celestial methods; operates, adjusts and maintains designated radar LAB equipment such as AN/APQ-5, AN/APA-5, or other similar sets, and accessory radar equipment such as AN/APN-1, and SCR-729; directs pilot in maneuvering of airplane through the bombing run; introduces necessary altitude and velocity factors into computer for establishment of bomb release line, and places bombs on target; makes preflight inspection of bombing set and accessory equipment, and is responsible for inflight maintenance and adjustment.

Must have thorough knowledge of the functions, care, and application of the specific radar LAB equipment and accessories, and understand the use of BABS facility.

Must have qualified as navigator (1034) or navigator-bombardier (1036) and have completed prescribed AAF course for navigator-bombardier, radar, LAB. Knowledge of electrical theory desirable.

#### PERSONAL EQUIPMENT OFFICER (1042)

Supervises the maintenance of and instructs in the proper use of emergency equipment, individual flying equipment, air/sea rescue equipment and other related items. Is responsible for the coordination of air/sea rescue equipment and other related items; is responsible for the coordination of air/sea rescue activities; insures availability of adequate supplies of equipment required, proper fit of personal flying equipment, and that each aircraft is properly equipped with all emergency and personal equipment; conducts frequent drills in crash landings and escape procedures; prepares reports on malfunctioning of equipment for which responsible, on all accidents caused by such malfunctioning and recommends corrective measures; inspects units under his jurisdiction for compliance with all War Department and Army Air Forces regulations and technical orders.

Must have thorough knowledge of equipment and procedures.

Military experience in Army Air Forces operations engineering or technical supply desirable.

#### PILOT-RADIO CONTROLLED TARGET (PQ TYPE) (1050)

Operates a PQ type radio controlled target airplane from control truck or control airplane and flies control airplane. Flies as safety pilot in target through all phases of adjustment and operation of target for anti-aircraft and aerial gunnery training.

Must be a rated Army Air Forces single, twin, or multi-engined pilot, service pilot, or Woman Air Force Service Pilot, and have passed an Army Air Forces Radio Controlled Target Course.

#### PILOT, TWO-ENGINE (1051)

Pilots two-engine aircraft and commands crew. Ascertains, prior to mission, that aircraft has been properly inspected by crew members; takes off,

operates, and lands airplane under varying flying conditions and such hazards as adverse weather, enemy attacks, and low-altitude and night flying; maintains flight records and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must meet prescribed physical standards.

Must be a rated pilot and have completed transition training in two-engine aircraft.

#### PILOT, SINGLE-ENGINE (1054)

Pilots single-engine aircraft and commands crew. Ascertain, prior to mission, that aircraft has been properly inspected by crew members; takes off, operates, and lands airplane under varying flying conditions and such hazards as adverse weather, enemy attacks, and low-altitude and night flying; maintains flight records and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must meet prescribed physical standards.

Must be a rated pilot and have completed transition training in single-engine aircraft.

#### FIGHTER PILOT, SINGLE-ENGINE (1055)

Operates a single-engine fighter aircraft to obtain air superiority over enemy in order to free other combat units to carry out their missions. Supervises servicing of airplane and checks fuel supply, guns and ammunition, and functioning of airplane; receives instructions regarding mission, route, formation, altitude, weather conditions, and other information; takes off singly or in formation and accomplishes mission by offensive action, although usually avoiding combat; loads and fires fixed guns; flies on strafing, interceptor, patrol, escort, or protective missions. May fly night missions with use of day fighter equipment, especially in coordination with searchlights.

Must be able to take off and land rapidly under extreme conditions of weather or combat, to fly all types of formations, to execute all offensive and defensive tactics against hostile air and surface forces, and to identify hostile and friendly aircraft and equipment.

Must be familiar with meteorology and general and local flying regulations. Must meet prescribed physical standards.

Must have completed flight training at an Army Air Forces training center.

#### FIGHTER PILOT, TWO-ENGINE (1056)

Operates a two-engine fighter aircraft to obtain air superiority over enemy in order to free other combat units to carry out their missions. Supervises servicing of airplane and checks fuel supply, guns, and ammunition, and functioning of airplane; receives instructions regarding mission, route, formations, altitude, weather conditions, and other information; takes off singly or in formation and accomplishes mission by offensive action, although usually avoiding combat; loads and fires fixed guns; flies on strafing, interceptor, patrol, escort, or protective missions. May fly night missions with use of day fighter equipment, especially in coordination with searchlights.

Must be able to take off and land rapidly under extreme conditions of weather or combat, to fly all types of formations, to execute all offensive and defensive tactics against hostile air and surface forces, and to identify hostile and friendly aircraft and equipment. Must be familiar with meteorology and general and local flying regulations. Must meet prescribed physical standards.

Must have completed flight training at an Army Air Forces training center.

#### NIGHT FIGHTER PILOT, TWO-ENGINE (1058)

Operates two-engine night fighter aircraft to obtain air superiority over enemy in order to free other combat units to carry out their missions. Supervises servicing of airplane and checks fuel supply, guns and ammunition, and functioning of airplane; receives instructions regarding mission, route, altitude, weather conditions, and other information; flies by contact and instrument and executes interception missions by means of airborne radio equipment.

Must be able to take off and land rapidly under extreme conditions of weather or combat, to fly all types of formations, to execute all offensive and defensive tactics against hostile air and surface forces, and to identify hostile and friendly aircraft and equipment. Must be familiar with meteorology and general and local flying regulations. Must meet prescribed physical standards.

Must possess maturity of judgment and evenness of temperament. Training in use of airborne radio equipment essential.

*Jet Fighter Pilot (1059) (See C 1)*

## TACTICAL RECONNAISSANCE PILOT, SINGLE-ENGINE (1061)

Operates a single-engine reconnaissance aircraft to obtain visual and photographic information of enemy territory and installations. Checks equipment prior to mission to insure that camera installation, film, and other photographic equipment is in proper functioning condition; receives instructions regarding mission including route, altitude, weather conditions, and other information; takes off singly or in formation and accomplishes missions by obtaining intelligence information and avoiding intercepting aircraft and antiaircraft fire.

Must be capable of expert pin-point navigation to obtain accurate visual and photographic reconnaissance of assigned targets. Must be familiar with the various focal length cameras and the coverage obtained by vertical or oblique photography. Must be capable of reading large and small scale contour maps. Must be capable of adjusting artillery fire beyond the control of organic field artillery aviation and have knowledge of tactics and weapons employed by the ground forces, both enemy and friendly. Must have thorough knowledge of tactics and technique of evasion from both enemy fighters and antiaircraft fire and be able to take off and land under adverse weather and combat conditions.

Must have completed training at the Tactical Reconnaissance School or its equivalent in tactical organizations.

## PHOTO-RECONNAISSANCE PILOT, TWO-ENGINE (1062)

Operates a two-engine reconnaissance aircraft to obtain photographic and intelligence information of enemy territory and installations. Supervises the servicing of airplane and checks cameras and equipment to insure that proper focal length cameras and sufficient film are installed to accomplish the mission; receives instructions regarding mission, route, formations, altitude, weather conditions, and other pertinent information; takes off singly and accomplishes mission by photographing enemy positions and avoiding enemy intercepting aircraft.

Must be able to take off and land under adverse weather and combat conditions. Must be thoroughly versed in tactics and technique of evasion from both enemy fighters and antiaircraft fire. Must have a thorough knowledge of meteorology and be capable of sustained extreme high altitude flight. Must meet prescribed physical standards and have undergone high altitude pressure chamber indoctrination.

Must have completed training at the Photo Reconnaissance Training School or its equivalent in tactical organizations.

## HELICOPTER PILOT (1066)

Pilots helicopter aircraft and commands crew. Ascertains, prior to mission, that helicopter has been properly inspected by crew members; takes off, operates, and lands helicopter under varying flying conditions such as adverse weather, night flying, flying in the proximity of obstacles, etc.; maintains flight records and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must meet prescribed physical standards. Must be a rated, heavier than air, pilot and have completed approved transition training in a helicopter.

*Pilot, Multi-Engine, Amphibian (1067) (Sec 1)*  
PILOT, B-25 (1081)

Pilots B-25 aircraft and commands crew in the accomplishment of offensive missions against the enemy. Ascertains, prior to mission, that aircraft has been properly inspected by crew members; takes off, operates, and lands airplane under varying flying conditions and such hazards as adverse weather, enemy attack, and low-altitude and night flying; maintains flight records and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must know tactics used against various types of objectives and against hostile fighter attacks. Must meet prescribed physical standards.

Must be a rated pilot and have completed transition and tactical training in B-25 aircraft.

## PILOT, B-26 (1082)

Pilots B-26 aircraft and commands crew in the accomplishment of offensive missions against the enemy. Ascertains, prior to mission, that aircraft has been properly inspected by crew members; takes off, operates, and lands airplane under varying flying conditions and such hazards as adverse weather, enemy attack, and low-altitude and night flying; maintains flight records and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must know tactics used against various types of objectives and against hostile fighter attacks. Must meet prescribed physical standards.

Must be a rated pilot and have completed transition and tactical training in B-26 aircraft.

#### PILOT, A-26 (1083)

Pilots A-26 aircraft and commands crew in accomplishment of offensive missions against the enemy. Ascertains, prior to mission, that aircraft has been properly inspected by crew members; takes off, operates and lands airplane under varying flying conditions and such hazards as adverse weather, enemy attacks, and low-altitude, and night flying; maintains flight records and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must know tactics used against various types of objectives and against hostile fighter attacks. Must meet prescribed physical standards. Must be a rated pilot and have completed transition and tactical training in A-26 aircraft.

#### PILOT, B-17 (1091)

Pilots B-17 aircraft and commands crew in the accomplishment of offensive missions against the enemy. Ascertains, prior to mission, that aircraft has been properly inspected by crew members; takes off, operates, and lands airplane under varying flying conditions and such hazards as adverse weather, enemy attack, and low-altitude and night flying; maintains flight records and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must know tactics used against various types of objectives and against hostile fighter attacks. Must meet prescribed physical standards.

Must be a rated pilot and have completed transition and tactical training in B-17 aircraft.

#### PILOT, B-24 (1092)

Pilots B-24 aircraft and commands crew in the accomplishment of offensive missions against the enemy. Ascertains, prior to mission, that aircraft has been properly inspected by crew members; takes off, operates, and lands airplane under varying flying conditions and such hazards as adverse weather, enemy attack, and low-altitude and night flying; maintains flight records and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must know

tactics used against various types of objectives and against hostile fighter attacks. Must meet prescribed physical standards.

Must be a rated pilot and have completed transition and tactical training in B-24 aircraft.

#### PILOT, VERY HEAVY BOMBER (1093)

Pilots very heavy bombardment aircraft and commands crew in accomplishment of offensive missions against the enemy. Ascertains, prior to mission, that aircraft has been properly inspected by crew members; takes off, operates, and lands airplane under varying flying conditions and such hazards as adverse weather, enemy attacks, and low-altitude and night flying; maintains flight records and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must know tactics used against various types of objectives and against hostile fighter attacks. Must meet prescribed physical standards.

Must be a rated pilot and have completed transition and tactical training in very heavy bombardment aircraft.

#### PILOT, B-32 (1094)

Pilots B-32 aircraft and commands crew in accomplishment of offensive missions against the enemy. Ascertains, prior to mission, that aircraft has been properly inspected by crew members; takes off, operates, and lands airplane under varying flying conditions and such hazards as adverse weather, enemy attacks, and low-altitude and night flying; maintains flight record and reports observations made during mission.

Must have thorough knowledge of general and local flying regulations and meteorology. Must know tactics used against various types of objectives and against hostile fighter attacks. Must meet prescribed physical standards. Must be a rated pilot and have completed transition and tactical training in B-32 aircraft.

#### COAST ARTILLERY UNIT COMMANDER (1102)

Commands a mobile or fixed coast artillery unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations,

formulates decisions, and maintains communication; directs mobile or fixed coast artillery unit within and outside the harbor defense in defense of harbors, naval bases, seaports, anchorages, beaches, and other coastal areas against land, sea, or air attack; directs conduct of fire, fire direction, and fire control; selects sites and plans lay-out of seacoast artillery batteries; selects alternate and withdrawal positions; prepares defense of mine fields, nets, and booms not covered by fixed rapid-fire armament; prevents close approach of hostile transports for debarking landing troops; destroys hostile landing boats beyond range of light artillery and machine guns; destroys hostile elements which may land; directs training of unit in harbor and coast defense techniques and weapons.

Must have thorough knowledge of coast artillery tactical and technical operations. Should be familiar with naval formations and tactics and with characteristics of various types of naval vessels. Must have thorough knowledge of tractor-drawn and fixed guns such as 155-mm, 6-inch disappearing carriage and barbette, 3-inch barbette, 75-mm and 37-mm, 12-inch mortar, and light and heavy machine guns, aiming circles, range finders, and surveying instruments. Should have knowledge of mathematics through trigonometry.

Military experience with special knowledge of heavy weapons and graduation from coast artillery officers' school essential.

#### RAILWAY COAST ARTILLERY UNIT COMMANDER (1105)

Commands a railway coast artillery unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs railway coast artillery unit within and outside the harbor defense in defense of harbors, naval bases, seaports, anchorages, beaches, and other coastal areas against land and sea attacks; directs conduct of fire, fire direction, and fire control; selects sites and plans lay-outs of railway artillery units; prevents close approach of hostile transports for debarking landing troops; destroys hostile landing boats beyond range of lighter artillery; reinforces fixed guns in harbor defense installations; coordinates emplacement time with subsequent movements and prepares concrete gun blocks; directs makeup of armament trains,

including distribution of cars; directs training of unit in harbor and coast defense techniques and in use of railway-mounted weapons and equipment.

Must have thorough knowledge of coast artillery tactical and technical operations and technical information such as locomotive data, turn-out data, track gages, fire control, and tables of expansion, and be thoroughly familiar with railway-mounted weapons and their emplacement such as 8-inch barbette on railway car, 8-inch gun on railway mount, 12-inch mortar on railway car, 12-inch gun on railway mount, and 14-inch gun on railway mount. Must be able to supervise railway artillery personnel including signalmen, trackmen, section hands, firemen, and switchmen. Should have knowledge of mathematics through trigonometry.

Military experience with specialized knowledge of military railway operations and railway-mounted weapons and graduation from coast artillery officers' school essential.

Civilian executive or administrative experience in railroad operation desirable.

#### BARRAGE BALLOON UNIT COMMANDER (1112)

Commands a barrage balloon unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations against aerial attacks, formulates decisions, and maintains communication; provides local protection for ground establishments and ground forces such as isolated important factories, vulnerable points of large industrial areas, shipyards and docks, harbors and channels, fleets at anchor, and supply centers; exercises operational control of unit such as changing operational height of balloons and close-hauling or bedding down balloons in unfavorable weather situations; coordinates employment of unit with anti-aircraft artillery and aviation; directs compilation of information concerning hostile aerial activity such as types of airplanes, character and method of attack, and routes of approach; selects balloon and winch sites; directs training of unit in barrage balloon techniques and use of light weapons, such as machine guns.

Must have thorough knowledge of tactical and technical operation of barrage balloons, aerostatics, the thermodynamic behavior of gases, and the operation and construction of hydrogen generation and

helium purification apparatus. Knowledge of meteorology desirable.

Military experience with specialized knowledge of barrage balloon tactical and technical operations and graduation from coast artillery officers' school essential.

#### BARRAGE BALLOON CONTROL OFFICER (1113)

Assists barrage balloon commander in planning and coordinating tactical operations and supervises barrage control unit. Transmits to subordinate unit tactical commands of barrage balloon commander; assembles and controls all data relative to tactical control of balloons, wind and weather conditions, and air activity; maintains operation maps and controls; assists in coordinating employment of unit with anti-aircraft artillery and aviation; assists in selecting balloon and winch sites.

Must have thorough knowledge of tactical and technical operations of barrage balloons, aerostatics, the thermodynamic behavior of gases, and the operation and construction of hydrogen generation and helium purification apparatus. Knowledge of meteorology desirable.

Military experience with specialized knowledge of barrage balloon tactical and technical operations and graduation from coast artillery officers' school essential.

#### BARRAGE BALLOON ENGINEER (1116)

Assists and advises barrage balloon commander and staff on technical matters regarding rigging, balloon repair, winches, and general engineering problems of unit. Establishes, maintains, and operates material repair unit; inspects and advises on repair of equipment in field and certifies to serviceability and repairability of equipment turned in by commanders for survey or other disposition; supervises and coordinates the execution of repair work on winches and balloons; supervises and maintains a retriever detail for recovery of escaped balloons; insures regular inspection of equipment and maintains equipment records at balloon sites; supervises and coordinates technical training of riggers, fabric repairmen, winch operators, and armorers.

Military experience in maintenance and repair of balloons, winches, and rigging, and graduation from coast artillery officers' school essential.

Civilian knowledge and experience in similar or related fields desirable.

#### UNDERWATER RANGING UNIT COMMANDER (1122)

Commands a coast artillery underwater ranging unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; supervises listening, echo, and range groups in computing location of friendly and hostile craft; supervises transmission of data to coast artillery ground ranging and submarine mine units to be used in firing artillery and submarine mines; supervises installation, maintenance, and manning of underwater detector, listener, and echo devices; coordinates work of unit with coast artillery ground ranging and submarine mine units; supervises training of unit in use of coast artillery position finding equipment and apparatus.

Must have thorough knowledge of coast artillery tactical and technical operations with specialized knowledge of position finding equipment and apparatus. Should be familiar with naval formations and tactics and with characteristics of naval vessels. Must be able to supervise coast artillery personnel such as azimuth and elevation listeners, echo device operators, plotters, spotters, range correction board operators, deflection board operators, observers, readers, and recorders. Knowledge of mathematics through trigonometry desirable.

Military experience and graduation from coast artillery officers' school essential.

#### SEARCHLIGHT UNIT COMMANDER (1132)

Commands a searchlight unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; supervises maintenance, technical operation, and supply of searchlight and sound locator equipment; determines exact number and location of searchlights in particular areas and is responsible for the illumination of targets operating within effective range of lights; determines employment of searchlights as barrier, searching, or illuminating lights; supervises maintenance and care of searchlights, power plants, and sound locators; coordinates sound detector and searchlight work for

most effective operation; directs training of unit in sound detection and searchlight techniques.

Must have thorough knowledge of tactical and technical operations of searchlights, searchlight direction and control, and sound detection and be able to supervise work of azimuth and elevation listeners and controllers, searchlight operators, power plant operators, acoustic corrector operators, and telephone operators. Should be familiar with naval and air formations and tactics and with characteristics of various types of vessels and airplanes.

Military experience with specialized knowledge of searchlights, searchlight direction and control, sound and illumination phenomena, and completion of searchlight officer course essential.

#### SUBMARINE MINE UNIT COMMANDER (1143)

Commands a mine unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of organization; directs and controls tactical employment of organization in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; coordinates Army and Navy operations in planning, installing, maintaining, and conducting underwater defense elements of harbors; directs location of mine fields and decides number, sizes, and types of mines to be used; directs location of searchlights and guns for protection of mine fields; renders mine fields safe for passage by friendly vessels; determines and prescribes laying of obstacles other than mines, such as nets, booms, and piles; directs functioning of range unit in detecting and plotting location of hostile sea-craft; directs control and type of fire used in defense such as contact fire, delayed contact fire, and observation fire; directs training of unit in submarine mine techniques.

Must have thorough knowledge of tactical and technical operations of submarine mines, electrical control apparatus, and methods of planting and controlling mine field. Should be familiar with naval formations and tactics and with characteristics of various types of naval vessels and have knowledge of mathematics through trigonometry.

Military experience with special knowledge of submarine mines and graduation from coast artillery officers' school essential.

#### SOUND AND FLASH OBSERVATION UNIT COMMANDER (1154)

Commands a sound and flash observation unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs and supervises surveys to accurately locate flash observation posts, to lay out the straight lines for locating sound ranging microphones, and to establish topographic control between flash observation posts or sound ranging microphones and control points; confers with other ranging officers to receive general instructions regarding the location and lay-out of the proposed ranging system; supervises the survey crew in making surveys and checks the survey notes and computations to determine that the traverse and position findings surveys have been accurately made; transmits completed maps and charts, with computations, to fire direction centers for use in computing fire control data.

Must be skilled in the use of surveying equipment and have thorough knowledge of methods and techniques used to locate positions for flash observation posts and sound pick-up microphone locations.

Military experience essential. Should include completion of a course in sound and flash ranging at field artillery school and experience in an observation unit.

College degree in civil engineering desirable.

#### COAST ARTILLERY OFFICER, STAFF (1159)

Advises commander and staff on coast artillery matters in harbor defense or other coastal area. Directs training of coast artillery unit; prepares plans for use and allotment of coast artillery units; coordinates searchlight and other observation, signal communication, and liaison within coast artillery; supervises supply of meteorological data for coast artillery; determines requirements, recommends apportionment, and supervises distribution of coast artillery ammunition; coordinates fire of coast artillery subordinate units; plans coast artillery missions to be performed by observation aviation; collects and disseminates information pertaining to hostile naval formations through coast artillery and aviation observation agencies.

Must have thorough knowledge of coast artillery tactical and technical operations. Should be familiar

with naval formations and tactics, and with characteristics of various types of naval vessels. Knowledge of mathematics through trigonometry desirable.

Military experience, with wide experience in command of coast artillery units and graduation from coast artillery officer school essential. Should have completed courses at Command and General Staff School.

College education in the field of civil engineering desirable.

#### HARBOR DEFENSE UNIT COMMANDER (1160)

Commands a harbor defense organization and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of organizations; directs and controls tactical employment of organization in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; prepares complete harbor defense plans and coordinates plans with naval units; directs organization in defense of harbors, naval bases, seaports, anchorages, beaches, and utilities against sea, air, and land attack; directs maintenance of harbor defense armament, auxiliary apparatus and equipment such as fixed and mobile seacoast artillery, anti-aircraft artillery, searchlights, submarine mines, underwater listening posts, observation and fire control systems, harbor patrol boats, and supporting aircraft; organizes armament to facilitate fire direction and control, and insure effectiveness; directs preparation of charts depicting area of zone covered by fire, concentrations of fire possible on land and water, and areas within which naval vessels may be attacked; directs training of organization in harbor defense techniques, weapons, and apparatus.

Must have comprehensive knowledge of tactical and technical operations in effecting adequate harbor, naval base, seaport, anchorage, and beach defense against sea, air, and land attack.

Considerable military experience in command and staff functions essential. Should be graduate of Command and General Staff School.

Civilian executive or administrative experience desirable.

College education in engineering very desirable.

#### HARBOR ENTRANCE CONTROL POST OFFICER (1161)

Directs surveillance of harbor, harbor entrance, and harbor approaches. Supervises observers, plot-

ters, signal men, telephone and teletype operators, and other assigned personnel; maintains liaison with the Navy unit stationed at the control post; gives firing commands to alerted battery in emergency.

Must have thorough knowledge of joint Army-Navy procedures and responsibilities in harbor defense operations. Must be well qualified in coast artillery communication systems.

Military experience, including thorough knowledge of coast artillery tactical and technical operations essential.

#### GROUND RANGING UNIT COMMANDER (1164)

Commands a coast artillery ground ranging unit of harbor defense or other coastal area organization and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; supervises use and adjustment of position finding equipment; directs operations of observation station, spotting stations, base end stations, and plotting room; supervises the adjustment of fire in range and direction; coordinates work of unit with underwater ranging and submarine mine units; supervises training of unit in use of coast artillery position finding equipment and apparatus.

Must have thorough knowledge of coast artillery tactical and technical operations, with specialized knowledge of position finding equipment and apparatus. Should be familiar with naval formations and tactics and with characteristics of various types of naval vessels. Must be able to supervise coast artillery personnel such as plotters, platen operators, plotting arm setters, spotters, spotting board operators, range correction board operators, deflection board operators, observers, readers, recorders, and telephone operators. Knowledge of mathematics through trigonometry desirable.

Military experience and graduation from coast artillery officer school essential.

#### SEACOAST GUN DATA COMPUTER OFFICER (Designated Equipment) (1165)

Commands a Coast Artillery ground ranging unit of harbor defense or other coastal area organization in the operation of director or computer equipment and is responsible for its training and tactical employment. Supervises use and adjustment of desig-

nated director or computer as a position finding instrument; directs operations of observation stations, spotting stations, base end stations, and plotting room; supervises the adjustment of fire in range and direction against naval targets, using director or computer designated; directs supply, equipment, transportation and security activities of unit; directs and controls tactical employment of unit in combat; evaluates intelligence, estimates situations, formulates decisions, and maintains communications; coordinates work of unit with underwater ranging and submarine mine units; supervises training of unit in use of designated director or computer as position finding equipment.

Must have thorough knowledge of Coast Artillery tactical and technical operations, with specialized knowledge of operation and theory of operation of director or computer designated. Must be able to supervise Coast Artillery personnel such as spotters, spotting board operators, observers, readers, recorders, fire adjustment board operators and operators of director or computer designated. Knowledge of mathematics through trigonometry desirable.

Must have completed a course of instruction at the Coast Artillery School on the director or computer designated.

Training in electrical or mechanical engineering desirable.

#### ARTILLERY ENGINEER (1166)

Supervises the operation and maintenance of communications, position finding, and power generating equipment necessary to operate a fire control system for seacoast batteries. Advises the harbor defense commander on technical questions pertaining to the repair, maintenance, and operation of systems of fire control, communication, searchlights, power plants, lines of power distribution, and other matters pertaining to the technical aspects of fortification installations; maintains liaison with the various technical services on these matters; supervises the preparation of surveying data on which the fire control equipment is oriented and checked. May be required to maintain property accountability of Signal Corps and other property pertaining to the fortifications. Maintains liaison with United States engineer construction services on all matters pertaining to plans and projects for the amplification and modernization of the harbor defense fortifications. May prepare reports pertaining to changes in material assignments and construction, and submit maps, charts, and cost estimates in support of changes.

Must have tactical knowledge of fixed coast artillery and technical knowledge of allied communication and power systems and equipment.

Must have knowledge of fire control maps and orientation data required to operate coast artillery batteries and observation equipment. Should have working knowledge of map projecting, fortification, construction, and field surveying methods. Should have knowledge of Signal, Engineer and Ordnance supply.

#### ANTI-AIRCRAFT GUN UNIT COMMANDER (1172)

Commands a mobile or semimobile anti-aircraft gun unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs fire and gives the necessary fire instructions for defense against enemy airplanes and works in coordination with barrage balloon units in the defense of positions; assigns missions to subordinate units, plans and coordinates anti-aircraft defenses to protect installations and friendly troops from low flying bombing and strafing airplanes, and advises higher commanders and supporting units as to anti-aircraft defenses.

Must have an extensive knowledge of the employment of anti-aircraft units in support of other arms. Must know the operation and maintenance of 3-inch, 90-mm, 40-mm, and 37-mm anti-aircraft guns and their fire control. Must be familiar with radar or radio control of anti-aircraft guns.

Military experience and graduation from anti-aircraft officers' school essential.

#### ANTI-AIRCRAFT AUTOMATIC WEAPONS UNIT COMMANDER (1174)

Commands an anti-aircraft automatic weapons unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs and controls guns and fire control units and service of equipment relative to anti-aircraft automatic weapons of the cannon type; supervises operations of guns pointed to the firing azimuth, and quadrant elevation by remote control units; disposes

antiaircraft artillery initially to protect the organization and occupation of battle positions; determines on what front the enemy is making his main attack, and concentrates antiaircraft artillery to defend friendly troop concentrations from hostile air observation and attack; selects positions of antiaircraft artillery employed in defense against mechanized attack.

Must have thorough knowledge of antiaircraft weapons and antiaircraft fire control and must know the fundamentals of exterior ballistics and gunnery and methods of fire control. Should be familiar with air formations, tactics and characteristics of various types of aircraft, and tactics and characteristics of armored vehicles.

Military experience essential. Completion of automatic weapons course at an antiaircraft school desirable.

#### ANTIAIRCRAFT ARTILLERY OPERATIONS OFFICER (1175)

Represents the unit commander in tactical matters involving the collection and dissemination of information concerning flights of aircraft, both hostile and friendly, and other combat intelligence. Directs and supervises the fire control center from the antiaircraft gun operations room; reviews intelligence reports and checks communication; orders various stages of alert for antiaircraft artillery batteries; coordinates the firing of antiaircraft artillery batteries; evaluates information as reported to operations room and plotted on maps of area covered, such as number, type, height, and course of aircraft reported by observers and radars, and directs activities of antiaircraft artillery defense accordingly.

Military experience and a knowledge of communication, combat intelligence methods, and organization of antiaircraft artillery essential.

#### COMPOSITE ANTIAIRCRAFT UNIT COMMANDER (1176)

Commands a composite coast artillery unit consisting of antiaircraft guns, barrage balloons, and related equipment and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit, directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; provides local protection against aerial attacks for ground forces and ground establishments such as isolated important factories, vulnerable points of large industrial areas, shipyards

and docks, harbors and channels, fleets at anchor, and supply centers; coordinates employment of barrage balloons with antiaircraft fire of unit when attacked; exercises operational control of balloons such as changing operational heights and close-hauling and bedding down in unfavorable weather; coordinates employment of unit with supporting antiaircraft and aviation units; selects balloon and winch sites; directs training of unit in barrage balloon techniques and use of antiaircraft weapons.

Must have thorough knowledge of tactical and technical operations of barrage balloons coordinated with antiaircraft fire, aerostatics, the thermodynamic behavior of gases, and the operation of hydrogen generation and helium purification apparatus. Knowledge of mathematics through trigonometry essential; knowledge of meteorology desirable. Familiarity with antiaircraft weapons such as 40-mm, 90-mm, and machine guns essential.

Military experience with specialized knowledge of barrage balloon and antiaircraft tactical and technical operations and graduation from coast artillery officers' school essential.

#### AIRBORNE ANTIAIRCRAFT UNIT COMMANDER (1177)

Commands an airborne antiaircraft unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; supports and protects later waves of airborne troops from hostile aircraft; leads unit on specific missions for seizure and protection of landing area including road blocking missions, and control of local signal communication; directs unit in antimechanized defense.

Must have thorough knowledge of airborne methods and be thoroughly qualified in the tactical and technical employment of airborne antiaircraft artillery and equipment, .30- and .50-caliber machine guns, and 37-mm antiaircraft gun.

Military experience including graduation from antiaircraft officers' school with specialized instruction in employment of antiaircraft artillery in airborne operations essential.

#### ANTIAIRCRAFT OFFICER, STAFF (1179)

Advises commander and staff on all antiaircraft matters, including passive defense measures. Di-

GUIDED MISSILE UNIT COMMANDER 63  
SEE C7 (1190)

rects training of antiaircraft unit; prepares plans for use and allotment of antiaircraft units; coordinates observation, signal communication, and liaison within antiaircraft units; determines requirements, recommends apportionment, and supervises distribution of antiaircraft ammunition; coordinates fire of antiaircraft subordinate units; plans antiaircraft missions for observation aviation; collects and disseminates information pertaining to hostile air formations through aviation and naval observation agencies.

Must have thorough knowledge of antiaircraft tactical and technical operations. Should be familiar with aircraft formations and tactics and with characteristics of various types of aircraft. Knowledge of mathematics through trigonometry desirable.

Military experience with experience in command of antiaircraft units and graduation from antiaircraft officers' school essential. Should have completed courses at Command and General Staff School.

*Guided Missile Officer (1181) (Sec 1)*  
*STAFF*  
RECONNAISSANCE AND SURVEY OFFICER (1183)

~~Supervises reconnaissance of a field artillery gun or howitzer unit, acting as agent for the commanding officer. Coordinates and establishes communication and observation within the unit and supported units; directs surveys to orient gun position and to locate points in target area; directs preparation of firing charts and computes firing data.~~

~~Must be able to set up and operate all fire direction instruments such as BC telescopes, aiming circles, transits, and other surveying instruments. Must have knowledge of operation and maintenance of communication systems used in field artillery. Knowledge of mathematics through trigonometry desirable.~~

~~Military experience including completion of course in field artillery officers' school essential.~~

~~Civilian experience or training in civil engineering or telephone and radio communication desirable.~~

ROCKET PROJECTOR UNIT  
OFFICER (1187)

Commands a rocket projector unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions and maintains communication; di-

rects fire of unit in support of other arms; supervises fire of unit in neutralization and destruction of targets dangerous to supported areas; employs fire on unprotected enemy personnel to interdict hostile movements and to neutralize enemy observation.

Must have thorough knowledge of Field Artillery tactical and technical operations with a specialized knowledge of rocket projectors.

Military experience and graduation from field artillery officer's school desirable.

FIRE DIRECTION OFFICER (1188)

Supervises a fire direction center. Trains personnel, such as horizontal control operators, vertical control operators, and computers; is primarily responsible that artillery fire is placed on designated targets at prescribed time; uses observed fire charts when directing fires without survey; operates firing charts when survey is completed and determines corrections and application of corrections for targets; when target is to be fired on by the battalion, specifies the component parts of fire commands such as ammunition, charge, fuse, amount, concentration number, method of fire, batteries to fire, adjusting battery, zones, and types of fire.

Must be able to set up and operate fire direction instruments, such as aiming circle, range finder, and surveying instruments. Must know how to use grid sheets, aerial photographs, and battle maps, and have knowledge of communication as used in field artillery. Should have working knowledge of mathematics through trigonometry.

Military experience including graduation from field artillery officers' school essential.

Civilian experience as civil engineer desirable.

College training in civil engineering desirable.

FORWARD OBSERVER, ARTILLERY  
(1189)

Directs the fire of an artillery unit from a forward position. Observes shell bursts and adjusts fire by forward observation or computation methods; consults with commanders of supported unit in determination of appropriate artillery targets, normal barrage, and zones of defense; trains personnel in procedures of artillery operation; organizes observation posts; sets up and maintains communication systems.

Must know artillery methods in direction of fire, use of fire direction instruments, such as aiming circle, BC telescope, and range finder. Must be

familiar with military maps and their interpretation. Should have experience with a firing battery and know potentialities and limitations of particular type of artillery involved. Knowledge of mathematics through trigonometry desirable.

Military experience including graduation from artillery officers' school essential.

#### PARACHUTE FIELD ARTILLERY UNIT COMMANDER (1190)

Commands a parachute field artillery unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; leads unit in seizing and holding or otherwise exploiting important tactical localities in conjunction with or pending arrival of other military or naval units; provides heavy weapon fire assistance and protection to parachute infantry units; coordinates unit with parachute infantry units in seizure and clearance of landing fields, beachheads, and other strong points; provides covering fire for parachute infantry units engaged in destruction of bridges, railroads, locks, and utilities; supervises training of unit in rugged individual fighting.

Must have thorough knowledge of parachute packing, repairing, rigging, supply, and storage. Must be qualified parachutist and must be proficient in map reading and tactical employment of parachute and glider troops. Must be thoroughly familiar with the employment of 75-mm pack howitzers, their loading in air transports, and preparation for landing by parachute.

Military experience including graduation from parachute and field artillery schools essential.

#### INFANTRY CANNON UNIT COMMANDER (1192)

Commands an infantry cannon unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situation, formulates decisions, and maintains communication; coordinates combat employment of infantry cannon unit with supporting artillery and infantry heavy weapons units; maintains contact with artillery and cannon unit forward observers to insure proper control and direction of fire on targets; engages targets which

escape fire of artillery and infantry heavy weapons units; destroys enemy barbed wire defenses, mortars, pill boxes, and troop concentrations; assists in defense against mechanized and armored attack; supervises training of unit in infantry techniques and use of 105-mm gun and infantry weapons and grenades.

Must have thorough knowledge of infantry tactical and technical operations with specialized knowledge of 105-mm guns.

Military experience and graduation from infantry officers' school with additional training or experience in the employment of light artillery essential.

#### FIELD ARTILLERY UNIT COMMANDER (1193)

Commands a truck or horse-drawn field artillery unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs fire of unit in support of other arms; supervises fire of unit in neutralization and destruction of targets dangerous to supported areas; establishes depth to combat by counterbattery fire on hostile reserves, by restricting movements in rear areas, and by disrupting hostile command agencies; employs fire on unprotected enemy personnel, and on hostile tanks within field of fire to interdict hostile movements and to neutralize enemy observations; supervises training of unit in field artillery techniques and use of field artillery weapons.

Must have thorough knowledge of field artillery tactical and technical operations with specialized knowledge of field artillery weapons such as 75-mm, 105-mm, 155-mm, and 240-mm guns and howitzers.

Military experience and graduation from field artillery officers' school essential.

#### PACK FIELD ARTILLERY UNIT COMMANDER (1194)

Commands a pack field artillery unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; leads pack artillery unit following foot and mounted elements; establishes defilade gun positions in moun-

tainous terrain overlooking valleys; decentralizes control of artillery; observes conduct of fire by ground observation; reconnoiters and establishes command posts; conducts interdiction fires on points where enemy is compelled to pass; furnishes maximum assistance of fire power to supported units. May employ pack artillery in jungle warfare.

Must have thorough knowledge of preparation of packs saddling, packing, slinging, and lashing of loads to pack saddles, and breaking, training, and care of pack animals, and horsemanship. Must be familiar with maintenance of pack field artillery equipment, have thorough understanding of technical and tactical operations of artillery equipment, and be familiar with terrain features affecting movement and fire of pack artillery.

Military experience essential. Should include graduation from artillery officers' school with additional training in a pack artillery unit.

#### AIRBORNE FIELD ARTILLERY UNIT COMMANDER (1195)

Commands an airborne field artillery unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs training in artillery adaptable to airborne transportation; prepares plans for allotment, allocation, and distribution of ammunition, artillery, and equipment; supervises observation, signal communication, and liaison activities; prepares plans for disassembly and assembly of pack artillery and packing of artillery in gliders or transport airplanes. Leads unit, in the support of airborne infantry troops, by supplying fire power and shock action against heavy hostile installations.

Must be trained in airborne methods and be thoroughly qualified in the tactical and technical employment of airborne artillery and equipment.

Military experience essential and should include graduation from field artillery officers' school with specialized instruction in employment of pack artillery in airborne operations.

#### ARMORED FIELD ARTILLERY UNIT COMMANDER (1197)

Commands an armored field artillery unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, trans-

portation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; employs armored field artillery in support of tank attacks, support of armored infantry, formulation of the artillery plan of fires, advance guard action, and attack against hostile fortified positions.

Must have knowledge of half and full tracks and vehicles used in armored field artillery, employment and maintenance of 105-mm and 75-mm howitzers and other small arms, use and maintenance of signal communication such as radio, telephone, and visual signaling. Must have knowledge of tactics employed by the armored force.

Military experience with specialized knowledge of armored force equipment and graduation, from field artillery officers' school essential.

#### FIELD ARTILLERY OFFICER, STAFF (1199)

Advises commander and staff on field artillery matters. Supervises training of field artillery unit; prepares plans for use of field artillery and its allotment to subordinate units; coordinates survey system within field artillery units; supervises observation, signal communication, and liaison within field artillery; supervises supply of meteorological data for field artillery; determines requirements, recommends apportionment, and supervises distribution of field artillery ammunition; coordinates fire of field artillery subordinate units; plans artillery missions to be performed by observation aviation; collects and disseminates information pertaining to hostile artillery and other targets through artillery intelligence agencies.

Must have thorough knowledge of field artillery tactical and technical operations. Knowledge of mathematics through trigonometry desirable.

Military experience, with wide experience in command of field artillery units and graduation from field artillery officers' school essential. Should have completed courses at Command and General Staff School.

College education in field of civil engineering desirable.

#### TANK UNIT COMMANDER (1203)

Commands a light, medium, or heavy tank unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, material, transportation, and security activities of

unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; leads unit in attack, and counterattack; directs employment of tanks in accordance with nature of the terrain and disposition of hostile installations and troop concentrations; plans disposition of tanks in the attack and assigns primary and secondary missions; coordinates communication and fire of tanks with supporting artillery, and aviation; employs tank unit in retrograde and defensive actions to delay and hamper movements of enemy units. May command a light tank unit employed in support of reconnaissance troops.

Must have thorough knowledge of tanks and armored vehicles, their tactical employment, and coordination with other units. Must know maintenance and operation of tank equipment and armament.

Military experience essential. Should have graduated from armored force officers' school.

#### ARMORED RECONNAISSANCE UNIT COMMANDER (1204)

Commands an armored reconnaissance unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions and maintains communication; rides in an armored reconnaissance car during combat and directs the tactical employment of unit by means of radio or flag signals; leads unit in offensive combat to gain information; leads advance to contact enemy boundaries and phase lines; employs unit to locate enemy's flanks and rear, constantly reporting the situation to headquarters; penetrates hostile covering forces to determine enemy disposition; leads unit in envelopments, seizing of critical areas, and in pursuit; directs defensive and retrograde movements, and counterreconnaissance.

Must have thorough knowledge of the tactical operations of armored units for reconnaissance and tactical purposes, and be familiar with construction, operation, and maintenance of armored vehicles, armament, and communication.

Military experience essential. Graduation from armored force or mechanized cavalry school very desirable.

#### ARMORED MORTAR UNIT COMMANDER (1205)

Commands an armored mortar unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs laying of smoke screens and employment of high explosives projectiles against enemy installations and concentrations; employs unit in destruction of road blocks, and machine-gun emplacements; routes and destroys hostile troops in defilade positions.

Must have thorough knowledge of armored mortar units, small arms, and weather and terrain factors affecting smoke barrages. Must be familiar with operation and maintenance of armored vehicles, armament, and communication. Should have knowledge of mathematics through trigonometry.

Military experience essential. Should have graduated from armored force school.

#### ARMORED ASSAULT GUN UNIT COMMANDER (1207)

Commands an armored assault gun unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situation, formulates decisions, and maintains communication; selects positions and routes of march; acts as navigator; locates observation posts; lays guns by use of instruments or by direct laying; estimates ranges and gives command to fire; observes and adjusts fire on targets, renders immediate controlled fire support to various elements of the division; employs unit to destroy heavy hostile installations and artillery emplacements; renders counterbattery fire for other armored force units.

Must have thorough knowledge of assault guns and equipment, such as half-track mounting 75-mm howitzers, light tank chassis mounting 75-mm howitzers, trackless tank chassis mounting 3-inch anti-aircraft cannon, and self-propelled 155-mm guns.

Military experience essential. Should have graduated from field artillery officers' school with additional training at armored force school.

## ARMORED FORCE TRAIN COMMANDER (1219)

Exercises tactical command of various service elements transporting troops, vehicles, ammunition, food, fuel, and other supplies of an armored force unit. Plans, directs, and controls the movement of elements comprising the trains; selects bivouac areas, divides them into unit areas, and controls the movement of units into and out of bivouac areas; releases and attaches unit trains and controls movement to and from point of unit control; plans and directs measures for the security of the trains on the march and in bivouac, by passive and active measures, such as dispersion of vehicles and employment of anti-aircraft defenses; directs the training of train headquarters and headquarters company and the training of component units of the train. May command a column of division trains.

Should be thoroughly familiar with tactical control of armored force units.

Military experience essential. Should have graduated from armored force officers' school.

## TANK DESTROYER UNIT COMMANDER (1222)

Commands a tank destroyer unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs tank destroyer unit in offensive and defensive operations of tank warfare; prepares beach defenses; assists field artillery units in fire missions; supervises defense of parachute troops; sets up protection of units in bivouac; selects and assigns alternate and supplementary firing positions; plans and executes tank ambushes and raids; directs training of personnel in infantry arms and in tank destroyer weapons and vehicles.

Must have thorough knowledge of tank destroyer tactical and technical operations with specialized knowledge of mechanized equipment; must be experienced in use of rifles, carbine, light and heavy machine guns, 37-mm, 75-mm, and 3-inch guns, rifle and hand grenades, and rocket launcher. Must be familiar with tank destroyer vehicles.

Military experience with special training in mechanized equipment and graduation from tank destroyer officers' school essential.

## TANK DESTROYER PIONEER UNIT COMMANDER (1225)

Commands a pioneer unit of a tank destroyer organization and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs unit in the removal of obstacles to permit advance of tank destroyer elements; directs unit in combat to provide security for other advancing units; provides delaying forces in retrograde movements; directs installation of static antimechanized measures such as road blocks, mines, and demolition of bridges and roads; directs training of unit in use and tactical employment of tank destroyer weapons and vehicles, installation of land mines and antitank barriers, and in demolition work.

Must have thorough knowledge of tank destroyer tactical and technical operations with specialized knowledge of pioneer work, installation of land mines, and demolitions.

Military experience with special knowledge of pioneer work and graduation from tank destroyer officer and pioneer schools essential.

## GENERAL SERVICE ENGINEER UNIT COMMANDER (1328)

Commands a general service engineer unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs or supervises engineering projects such as construction, repair, and maintenance of roads and highway bridges throughout a theater of operations; supervises construction of railroads, railroad bridges and roadbeds, and other railroad facilities; supervises construction of cantonments, depots, and other establishments; supervises construction of wharves, docks, and other port and harbor facilities; directs preparation of rear defensive positions, field fortifications, and military demolition; supervises operations of utilities, such as installation and repair of water supply facilities; directs training of unit in engineering techniques under combat conditions.

Must be thoroughly familiar with employment of such equipment as tractor bulldozer, motorized air compressors, pneumatic tools, blacksmith sets, car-

penter sets, and drafting instruments. Must be able to supervise groups of men engaged in digging clearing, rigging, timber cutting, carpentry, demolition, and wrecking operations.

Military experience including graduation from engineer officers' school desirable. In positions of field grade graduation from Command and General Staff School desirable.

#### COMBAT ENGINEER UNIT COMMANDER (1331)

Commands a unit of combat engineers and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs and supervises engineering projects such as road repair and maintenance, and construction of wooden trestles, portable steel bridges, foot and pontoon bridges, field fortifications, weapon emplacements, obstacles, and mine fields; supervises demolition of bridges and culverts and preparation of mine craters and tank traps; supervises removal of enemy obstacles such as mine fields, road blocks, and wire entanglements; conducts necessary reconnaissance, plans and schedules work, assigns tasks, and exercises general supervision over operations; in combat, leads unit in the defense of engineering projects against enemy attack and in assault of enemy positions; furnishes security for other engineer units at work or in bivouac; supports other combat troops as directed, employing combat engineer troops as an infantry unit.

Must be familiar with the employment of such equipment as tractor bulldozers, motorized air compressors, pneumatic tools, blacksmith sets, carpenter sets, sign painting sets, and drafting instruments and be able to direct groups of men engaged in digging, clearing, rigging, timber cutting, rough carpentry, demolition, and wrecking operations.

Military experience including graduation from engineer officers' school essential. In positions of field grade, completion of a course at Command and General Staff School desirable.

#### AIRBORNE ENGINEER UNIT COMMANDER (1336)

Commands an airborne engineer unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment transporta-

~~tion, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs training in engineering operations adaptable to glider or airborne engineer troops; leads unit in combat to impede advance or retreat of enemy by installation of demolitions and creation of a zone of obstacles, including mine fields; defends demolitions and obstacles which were installed; increases defensive or offensive powers of the combat arms by construction of field works and clearing and building airfields requiring special field engineering equipment or training.~~

~~Must have thorough knowledge of combat engineering and airborne tactics. Knowledge of use and maintenance of bantam engineering equipment, such as bulldozers and air compressors essential.~~

~~Military experience essential, including graduation from engineer officers' school with specialized instruction in employment of engineer troops in airborne operations.~~

#### AVIATION ENGINEER UNIT COMMANDER (1337)

Commands an aviation engineer unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; supervises construction camouflage and maintenance of field airdromes, assists in their defense, and supervises repairs after bombardment; supervises reconstruction of captured airdromes, structures, and revetments, including removal of mines and booby traps; supervises procurement and distribution of engineer supplies and equipment; directs compilation and reproduction of special aeronautical charts and maps; supervises training of unit in construction and maintenance of field airdromes; makes provision for demolition of airdromes and facilities.

Must have thorough knowledge of construction and maintenance of field airdromes, and be acquainted with tactical defense of airdromes against attack. Must have thorough knowledge of weapons such as rifles, light and heavy machine guns, 37-mm guns, and grenades and be able to supervise construction men such as carpenters, painters, and construction machinery operators and laborers.

Military experience with specialized knowledge of

civil engineering and graduation from engineer officers' school desirable.

Civilian experience in civil or construction engineering work desirable.

College education in civil or construction engineering desirable.

#### PARACHUTE ENGINEER UNIT COMMANDER (1339)

Commands a parachute engineer unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; leads unit in combat to impede advance or retreat of the enemy by installation of demolitions and creation of a zone of obstacles including mine fields; defends demolitions and obstacles which were installed; increases defensive powers of combat arms by the construction of field works and clearing and building of airfields requiring special field engineering equipment or training.

Must have thorough knowledge of engineering as it applies to combat engineers, parachute packing, repairing, rigging, supply, and storage. Must be a qualified parachutist, and be thoroughly familiar with use of special engineering equipment which can be transported by parachutes.

Military experience including graduation from parachute school essential. Should be graduate of engineer officers' school.

#### PORTABLE BRIDGE UNIT COMMANDER (1342)

Commands a portable bridge unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs unit in maintenance and transportation of river-crossing equipment; assists general engineer troops in emplacing portable bridges, such as pontoon, spar, trestle, and foot, and in construction of bridges and ferries at site of operations; instructs other units in use of river-crossing equipment; establishes guards for and maintains completed bridges; regulates traffic over bridges; dismantles bridges; repairs and salvages equipment; selects and supervises motor

park; directs unit in convoy movements to site of operations. May independently engage in emergency construction of river-crossings and supply of assault boat crews.

Must be familiar with employment of such equipment as inboard and outboard motor boats, portable cranes, motorized air compressors, pneumatic tools, blacksmith and tinsmith sets, carpentry tools, pipefitting and welding sets, and motor maintenance equipment. Must be able to direct groups of men digging, clearing, rigging, timber cutting, carpentry, demolition, and wrecking operations.

Military experience and graduation from engineer officers' school essential.

Civilian supervisory experience in construction field desirable.

#### AMPHIBIAN ENGINEER NAVIGATION OFFICER (1362)

Navigates amphibian engineer boats in ship-to-shore operations by pilotage, dead reckoning, and celestial navigation to reach objective at a predetermined time. Tests and inspects navigation equipment prior to and during operations; receives instructions as to destination, course, time of arrival, and weather reports and is responsible for navigating boats in accordance with instructions; maintains day-by-day log of events and happenings; safeguards crews and troops from navigational disaster.

Must be familiar with rules of navigation and be able to navigate by dead reckoning and celestial navigation and interpret traffic regulations as prescribed. Must be familiar with compass and other navigational equipment.

Military experience including graduation from engineer officers' course and specialized training in navigation essential.

Civilian experience in harbor piloting, coastwise navigation, and navigation of small craft very desirable.

#### AMPHIBIAN ENGINEER SHORE UNIT COMMANDER (1363)

Commands an amphibian engineer unit of shore troops and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs combat engineering operations for combat team of ground forces in ship-to-shore

operations; leads landing force of amphibian engineers in the assault of hostile forces defending shore positions; routes enemy forces, destroys enemy fortifications and prepares landing area for friendly troops; supervises removal of underwater obstructions at beaches, and construction and maintenance of improvised landings and temporary wharves, supervises demolition of enemy obstacles on shore; establishes barrier of demolitions, mine fields, and other obstructions to protect landing operations from mechanized raids; supervises repair, construction, and maintenance of traffic routes from shore edge to combat area; leads unit in defense of engineering projects against enemy attacks; supports other combat elements of team as directed; supervises reconnaissance and estimate of detailed engineer work needed to determine type of succeeding engineer elements to be landed.

Must have thorough knowledge of infantry combat technique and be familiar with such equipment as tractor, bulldozers, motorized air compressors, pneumatic tools, blacksmith and carpentry sets. Must be able to direct groups of men in digging, clearing, rigging, timber cutting, carpentry, and demolition and wrecking operations.

Military experience including graduation from engineer officers' school essential.

#### AMPHIBIAN ENGINEER BOAT UNIT COMMANDER (1366)

Commands an amphibian boat unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs unit in transporting and landing troops and supplies on coastal areas, beaches, and islands in offensive operations; directs unit in evacuation of troops and supplies; serves as wave leader in formations; designates landing areas and supervises removal of beached and unloaded boats to clear landing areas for succeeding waves; carries out navigational and piloting instructions; directs training of unit in tactical and technical operations of amphibious craft. May command unit composed of amphibian engineer boat and shore troops.

Must have thorough knowledge of boat operation, piloting, navigation, beaching, and retracting operations and be able to control mass operation and movement of small craft. Must be able to supervise

work of boat pilots, boat engineers, signalmen, and boat hands.

Military experience with specialized knowledge of amphibious operations and completion of navigational and amphibious operational courses essential.

#### ENGINEER BOAT AND SHORE UNIT COMMANDER (1367)

Commands amphibian engineer boat and shore unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs unit in transportation, landing and evacuation of troops and supplies on coastal areas, beaches, and islands; directs landing force of amphibian engineers in the assault of hostile forces defending shore positions to prepare landing area for ground force combat team; directs the construction and maintenance of improvised wharves and temporary landings; directs establishment of obstructions designed to protect landing operations against mechanized raids; directs repair, construction, and maintenance of traffic routes from shore edge to combat area.

Must have thorough knowledge of infantry combat technique and combat engineering principles and be able to control the mass operation of small craft.

Military experience including graduation from engineer officer's school and completion of navigational and amphibious operational courses essential.

#### CONTROL BOAT COMMANDER (1369)

Commands an amphibian engineer control boat and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs the operation of a landing boat in control of a group of boats in a landing wave, and maintains control of other boats by radio and visual signals; establishes intervals between boats and directs their landing on reaching shore; carries out navigational and piloting instructions, inspects condition of boats before operations, and directs minor repairs and maintenance of equipment; trains personnel in operation and maintenance of transportation and communication equipment, and operation and use of small caliber weapons.

Must have thorough knowledge of small boat maintenance, piloting, navigation, beaching, and retracting operations. Must be familiar with radio, wire, visual communication, tactical employment and control of mass operations, and movement of small craft.

Military experience essential. Should be graduate of engineer officers' school with special training in engineer amphibian operations.

Civilian experience in operation of small craft in harbors, inland waterways, and coastal transportation very desirable.

#### BOAT MAINTENANCE AND SALVAGE UNIT COMMANDER (1372)

Commands a boat maintenance and salvage unit of amphibian engineering troops and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat; evaluates intelligence, estimates situations, formulates decisions, and maintains communication; supervises minor repairs performed by maintenance section under combat conditions; performs emergency repairs on hulls, motors, and rigging of small boats; dispatches maintenance boats and crews as designated and ordered by the control section; keeps service records of boats, engines, and transport equipment; stores and issues fuel and oil; inspects salvage and dockage operations and engine and hull repair activities.

Must have thorough knowledge of boat maintenance and salvage operations pertaining to engineer amphibian craft. Knowledge of marine mechanics and small boat care, operation, and maintenance very desirable.

Military experience essential. Should have graduated from engineer officers' school with special training in amphibian engineer operations.

#### DIESEL ENGINE OFFICER (1374)

Supervises maintenance of and minor repairs and adjustments to Diesel engines, other than marine, of an engineer amphibian unit. Supervises training of engine operators in operator maintenance care of engines and equipment; reviews records maintained by engine operators on operator maintenance care; conducts periodic inspections of engines and equipment; makes minor repairs or adjustments and installs minor replacement parts; maintains close surveillance over engines and equipment and arranges for major repairs and major part replacements by

higher echelons; keeps informed of current locations of higher echelon repair units; maintains supplies and equipment to effect minor repairs and adjustments; maintains stock of minor replacement parts; prepares records and reports; assists in salvaging engines and equipment.

Must be thoroughly familiar with mechanics and operation of Diesel engines.

Military experience including completion of Diesel engineering course essential.

#### MARINE ENGINE OFFICER (1376)

Supervises maintenance of and minor repairs and adjustments to marine engines of an engineer amphibian unit. Supervises training of engine operators in operator maintenance care of engines and equipment; reviews records maintained by engine operators on operator maintenance care; conducts periodic inspections of engines and equipment; makes minor repairs or adjustments and installs minor replacement parts; maintains close surveillance over engines and equipment and arranges for major repairs and major part replacements by higher echelon; keeps informed of current locations of higher echelon repair units; maintains supplies and equipment to effect minor repairs and adjustments; maintains stock of minor replacement parts; prepares records and reports; assists in salvaging engines and equipment.

Must be thoroughly familiar with mechanics and operation of marine engines.

Military experience including completion of marine engine maintenance course essential.

#### CHEMICAL MORTAR UNIT COMMANDER (1413)

Commands a chemical mortar unit and is responsible for its administration, training, and tactical employment. Directs supply, transportation, and security activities of unit; supervises training of unit in chemical warfare techniques and in use of 4.2 chemical mortars for employment of war gas and high explosive and smoke filled munitions; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, maintains communication, and conducts liaison with supported units; directs employment of unit, in coordination with supported units, using forward observers to insure proper direction and control of fire on targets, in the destruction of enemy command post installations, road blocks, machine gun and mortar emplacements, and troop con-

centrations; directs unit in performance of chemical warfare activities in combat, such as establishing and maintaining smoke screens to hamper enemy observation and employing persistent and nonpersistent war gases to produce enemy casualties and disorganizations, laying chemical land mines in defensive operations, withdrawals and delaying actions and establishing chemical barriers across expected routes of enemy approach.

Must have thorough knowledge of chemical warfare tactics and techniques with specialized knowledge of the 4.2 chemical mortar.

Military experience including graduation from the Chemical Warfare Officers' School or the equivalent thereof is essential.

#### CHEMICAL DECONTAMINATING UNIT COMMANDER (1414)

Commands a chemical decontaminating unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs unit in support of other arms where decontamination of gassed areas and equipment is part of the tactical situation; supervises identification and neutralization processes of gasses and decontamination of ground areas and equipment; prescribes methods of treating contaminated areas and equipment; directs training of unit in chemical warfare techniques, chemical identification, and decontaminating processes.

Must have thorough knowledge of chemical warfare tactical and technical operations with specialized knowledge of the identification and neutralization processes of chemical warfare agents. Must be familiar with methods of decontaminating ground areas and equipment.

Military experience with specialized training in chemical warfare and decontaminating methods and graduation from chemical warfare officers' school essential.

College education in chemistry or chemical engineering desirable.

#### CHEMICAL SMOKE GENERATOR UNIT COMMANDER (1415)

Commands a chemical smoke generator unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment,

transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs unit in support of other arms where the employment of smoke is part of the tactical situation; supervises construction, maintenance and operation of smoke-generating equipment; supervises laying of smoke to gain fire superiority for supported units, to prevent observation by enemy units, to hamper enemy operations, and, in the case of white phosphorus, to set fire to woods, materials, and buildings and to cause casualties; directs training of unit in use and tactical employment of chemical warfare weapons and vehicles.

Must have thorough knowledge of chemical warfare tactical and technical operations and be thoroughly acquainted with construction, maintenance, and operation of smoke-generating equipment. Must be familiar with weather and terrain features affecting employment of smoke and have knowledge of weapons used to fire smoke such as 4.2-inch chemical mortar, 75-mm gun, 155-mm howitzer, and chemical cylinders.

Military experience with specialized knowledge of chemicals and graduation from chemical warfare officers' school essential.

College education in chemistry or chemical engineering desirable.

#### INFANTRY DEMOLITION AND PIONEER OFFICER (1504)

Directs or supervises demolition or construction of obstacles, field fortifications, and other ground installations to facilitate the operations of combat elements. Supervises installation or removal of road blocks, mine fields, and antipersonnel mines and traps; supervises demolition of roads, bridges, and other structures to provide protection in retrograde movements; supervises elementary field engineering projects to assist holding or assault operations. May command an infantry demolition and pioneer unit or an ammunition and pioneer unit and be responsible for its administration, training, and tactical employment. May advise combat commanders on matters pertaining to employment of demolitions, mines, and field fortifications. May be responsible for battalion supply activities.

Must have thorough knowledge of the tactical and supply operations of the particular infantry unit to which assigned with specialized knowledge of demolitions, pioneer work, ammunition supply, and the

employment of land mines and traps. Must be able to supervise infantry pioneer crews and ammunition handlers and be familiar with the employment of such equipment as engineer carpenter sets, infantry entrenching equipment, engineer pioneer equipment, sketching equipment, and mine detector sets.

Military experience with infantry troops essential. For assignment to infantry parachute unit must be a qualified parachutist. Completion of infantry demolition and pioneer course or equivalent training very desirable.

#### PARACHUTE INFANTRY UNIT COMMANDER (1510)

Commands a parachute infantry unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; leads unit in seizing and holding or otherwise exploiting such important tactical localities as installations, in conjunction with or pending arrival of other military or naval forces; carries out missions, such as seizure and clearance of landing fields, beach heads, strong points, and ports; severs hostile lines of communication and supply, destroys bridges, railroads, locks, and public utilities; executes envelopment from air in conjunction with an attack by ground forces; executes surprise attacks as a diversion or feint in connection with other air landings; executes attacks against isolated enemy positions, immune to attack by ground forces; leads unit trained in rugged individual fighting, using infantry weapons, demolitions and small caliber weapons of other arms.

Must have thorough knowledge of parachute packing, repairing, rigging, supply, and storage and be qualified parachutist. Must be qualified in demolitions, employment of small arms, first aid, use of maps, and tactical employment of parachute troops.

Military experience including graduation from parachute school essential. Graduation from infantry officers' school very desirable.

#### AIRBORNE INFANTRY UNIT COMMANDER (1512)

Commands an airborne infantry unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evalu-

ates intelligence, estimates situations, formulates decisions, and maintains communication; leads glider or airborne unit to strike at vital spots to rear of enemy lines or in other areas not accessible by ground transportation in support of main effort; leads missions to establish bridgeheads, to disrupt hostile communication, and to reinforce parachute troops in seizure of airdromes and other enemy installations; leads unit in rugged individual fighting, using small arms and demolitions.

Must have thorough knowledge of airborne techniques and operation and maintenance of gliders. Must be thoroughly qualified in tactical employment of airborne troops and equipment.

Military experience or training in airborne infantry operations including graduation from infantry officers' school essential.

#### MOUNTAIN INFANTRY UNIT COMMANDER (1513)

Commands a mountain infantry unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence, estimates situations, formulates decisions, and maintains communication; directs mountain infantry unit in offensive and defensive mountain warfare operations; directs combat operations of unit well forward to limit penetrations by enemy and to protect flanks of forward elements of supporting units; clears approaches to and over mountains to permit advancement of rear elements; directs destruction of enemy units which infiltrate into mountain positions; directs training of unit in techniques of mountain infantry warfare, close combat fighting, use of infantry weapons and packhorses, and mountain climbing and skiing.

Must have thorough knowledge of infantry mountain tactical and technical operations with specialized knowledge of mountain climbing, skiing, infantry weapons, and handling of pack animals.

Military experience with specialized training in mountain warfare and graduation from infantry officers' school essential.

#### ANTITANK UNIT COMMANDER (1524)

Commands an antitank unit and is responsible for its administration, training, and tactical employment. Directs supply, equipment, transportation, and security activities of unit; directs and controls tactical employment of unit in combat, evaluates intelligence,