

GUIDE TO THE EVALUATION OF EDUCATIONAL EXPERIENCES IN THE ARMED SERVICES

OCCUPATION EXHIBIT

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MOS-15U-002

CH-47 HELICOPTER REPAIRER

15U30

15U40

Exhibit Dates: 8/06–Present.

Career Management Field: 15 (Aviation).

Description

Summary: Supervises and performs maintenance on CH-47 helicopters, excluding repair of systems components. **Skill Level 30:** Performs air crewmember duties; supervises and provides technical guidance to subordinate personnel performing aircraft and subsystem maintenance and evaluates the technical training program; evaluates maintenance operations and facilities for compliance with directives, technical manuals, work standards, safety procedures, and operational policies; performs maintenance trend analysis and applies production control, quality control and other maintenance management principles and procedures to airplane maintenance operations; plans, conducts, and supervises aircraft technical inspections; computes basic weight and balance records; participates in maintenance test flights; and ensures compliance with aircraft configuration control, Army Oil Analysis Program and test measuring diagnostic calibration. **Skill Level 40:** Supervises aircraft maintenance and technical inspection activities; determines man-hours, personnel, parts and facility requirements to repair aircraft and associated equipment; plans aircraft maintenance areas, component repair shops and facilities; instructs subordinates in aircraft repair and technical inspection techniques and procedures according to directives, technical manuals, work standards and operational policies; maintains supply economy and discipline; supervises the technical training program; prepares evaluations, special reports, and records pertaining to aircraft maintenance repair and related activities; recommends and administers plans and policies; manages maintenance operations in dynamic working environments; manages people in the workplace; organizes development techniques; influences behavior at work and contributes to interpersonal relations; and effectively communicates verbally and in writing.

Related Competencies

Introduction to management topics include logistical support planning, operations execution, oral and written communications, planning and coordinating projects, safety procedures development, and scheduling. **Introduction to human resource management** topics include conflict resolution, cultural diversity, health and safety, job analysis, managerial ethics, performance appraisals, staffing, and training and delivery. **Computer applications** topics include Adobe applications, basic computer skills, computer hardware, database management, Microsoft Office Suite, and scheduling. **Mechanical systems** topics include aircraft rigging procedures, corrective maintenance, gear systems, inspection, maintenance and repair, preventive maintenance, pumps, and valves. **Quality assurance** topics include data analysis, follow-up inspections, quality control, safety assurance, and trend analysis. **Helicopter powertrain maintenance and repair** topics include drive shafts, drive trains, gear boxes, inspection, repair procedures, system operation, transmissions, and troubleshooting. **Aircraft systems inspection and troubleshooting** topics include component inspection, component troubleshooting, engines, gear boxes, maintenance test flights, mechanical flight controls, operational checks, rotors, scheduled inspections, special inspections, transmissions, and weight and balance control. **Crew resource management** topics include collaborative decision-making, crew coordination, effective communication, leadership and followership, risk assessment, situational awareness, and stress management. **Maintenance management** topics include airworthiness publications, aviation resource management, communications, controlling materials, controlling supplies, data collection, human factors, maintenance documentation, parts inventory, quality control, and risk management.

Recommendation, Skill Level 30

In the lower-division baccalaureate/associate degree category, 3 semester hours in introduction to management, 3 in introduction

to human resource management, 3 in computer applications, and 3 in mechanical systems. In the upper-division baccalaureate degree category, 3 semester hours in quality assurance, 3 in helicopter powertrain maintenance and repair, 3 in aircraft systems inspection and troubleshooting, and 3 in crew resource management (1/13)(1/13).

Recommendation, Skill Level 40

In the lower-division baccalaureate/associate degree category, 3 semester hours in introduction to management, 3 in introduction to human resource management, 3 in computer applications, and 3 in mechanical systems. In the upper-division baccalaureate degree category, 3 semester hours in quality assurance, 3 in helicopter powertrain maintenance and repair, 3 in aircraft systems inspection and troubleshooting, 3 in crew resource management. and 3 in maintenance management (1/13)(1/13).

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ACE occupation reviews are conducted by faculty currently teaching at appropriately accredited colleges and universities. Faculty teams analyze the official occupation standards and validate the duties and requirements through service member interviews to determine if the content, scope, and rigor of the experiential learning align to current postsecondary curricula. A minimum of 3 faculty evaluators must achieve consensus on credit recommendations. Please see [Faculty Evaluators - Home Page](#) for more information.

AMERICAN COUNCIL ON EDUCATION
ONE DUPONT CIRCLE NW
WASHINGTON, DC 20036
202-939-9300
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