

# GUIDE TO THE EVALUATION OF EDUCATIONAL EXPERIENCES IN THE ARMED SERVICES

## OCCUPATION EXHIBIT

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### MOS-91B-007

#### WHEEL VEHICLE MECHANIC

91B10

91B20

91B30

**Exhibit Dates:** 10/09–2/13.**Career Management Field:** 63 (Mechanical Maintenance).

#### Description

**Summary:** Diagnoses malfunctions and performs and supervises corrective maintenance on diesel engines and power generating units, including accessories, power trains, and chassis components of wheel vehicles; adjusts operating mechanisms such as governors, control linkage, clutches, brakes, suspension, and steering; performs tune-up; recommends appropriate power generating equipment to accommodate specific electrical loads; operates wreckers. **Skill Level 10:** Replaces engine components such as fuel pumps, generators, starters, voltage regulators, relays, radiators, universal joints, brake shoes, engine mounts, and lines and fittings; adjusts operating mechanisms including power generating unit; prepares maintenance forms and records. **Skill Level 20:** Able to perform the duties required for Skill Level 10; provides supervision and technical guidance to subordinates; conducts on-the-job training; completes maintenance forms and records; troubleshoots to component level; isolates and identifies causes of malfunctions; uses electronic scanners; interprets complex schematic diagrams. **Skill Level 30:** Able to perform the duties required for Skill Level 20; plans and organizes work schedules; assigns duties; performs operational and administrative duties; instructs and supervises subordinates in appropriate practices, procedures, and safety.

#### Related Competencies

**Diesel fuel injection systems** topics include TBD. **Diesel engine fundamentals** topics include TBD. **Brake systems** topics include TBD. **Electrical systems** topics include TBD. **Heavy duty drive trains** topics include TBD. **Basic shop skills** topics include TBD. **Mechanical blueprint interpretation** topics include TBD. **Technical mathematics** topics include TBD. **Principles of supervision** topics include TBD. **Computer applications** topics include TBD.

#### Recommendation, Skill Level 10

Credit may be granted on the basis of an individualized assessment of the student (2/03)(5/10).

#### Recommendation, Skill Level 20

Credit may be granted on the basis of an individualized assessment of the student (2/03)(5/10).

#### Recommendation, Skill Level 30

In the lower-division baccalaureate/associate degree category, 3 semester hours in diesel fuel injection systems, 3 in diesel engine fundamentals, 3 in brake systems, 3 in electrical systems, 3 in heavy duty drive trains, 3 in basic shop skills, 2 in mechanical blueprint interpretation, 3 in technical mathematics, 3 in principles of supervision, and 3 in computer applications (2/03)(5/10).

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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.*

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