

Federal Wage System Job Grading Standard For Munitions Destroying, 6505

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WORK COVERED

This standard covers nonsupervisory work involved in the destruction of ammunition, explosives, propellants, and toxic munitions. This work requires a knowledge of demolition procedures, the ability to recognize various types of bulk explosives, and the skill to place munitions and initiating charges.

TITLES

Jobs graded by this standard are to be titled *Munitions Destroyer*.

GRADE LEVELS

This standard does not describe all possible grade levels for this occupation. If jobs differ substantially from the skill, knowledge, and other work requirements described in the grade level of the standard, they may be graded above or below this grade, based on the application of sound job grading methods.

MUNITIONS DESTROYER, GRADE-7

General: Work at this grade involves destruction of many types of explosives, ammunition, and toxic chemicals by burning or detonation. Grade 7 munitions destroyers follow directly applicable written procedures and safety regulations. They comply with these procedures precisely, to assure their own safety and that of other employees.

Skill and Knowledge: Grade 7 munitions destroyers apply variations of the basic methods for destroying explosives, burning and exploding. That is, they use shaped charges to section large items, covered burning beds to destroy small arms ammunition, open burning beds to neutralize bulk explosive, and detonation pits to dispose of bomb, shell, and rocket type ammunition. They apply standard operating procedures which specify maximum permissible amounts of explosive to be destroyed, whether to burn or explode it, type of ignition to use and the number of igniters to be used for various amounts of explosives. They use knowledge of explosives and approved alternative demolition procedures to recognize the conditions for and select alternate procedures such as using covered detonation pits when there is heavy cloud cover in order to reduce noise pollution, spread straw or other protective material in burning areas when conditions are unusually wet, or reducing the amount of explosive in cases of badly deteriorated ammunition.

They are able to recognize common bulk explosives such as TNT, HBX, tetryl, and compositions A, B, and C, in order to choose the proper standard procedures regulating quantity, personnel limits, techniques of handling and temporary storage, and other safety and disposal factors. They use knowledge of basic series and parallel electrical circuits and simple measuring instruments such as galvanometers and voltmeters to lay out and check detonator wiring circuits.

They follow standard practices when placing initiating charges, preparing burning beds, and placing the munitions to assure safety and complete disposal.

They attach detonators, detonator wires, fuses, powder trains, and other ignition devices, assuring good physical and electrical contact and proper functioning.

Responsibility: Work assignments consist of oral instructions and written job orders that indicate type and quantity of material for demolition and any unusual conditions expected. Written standard operating procedures and safety instructions control all operations. Munitions destroyers are expected to recommend minor modifications to those procedures to suit unusual conditions or problem areas which have been pointed out by the supervisor, who is available to provide assistance as needed. Completed demolition preparations are usually inspected by a supervisor before igniting the charge. Grade 7 Munitions destroyers exercise extreme care to comply precisely with written procedures and oral instructions to prevent premature burning or explosion.

Physical Effort: Munitions destroyers are frequently required to lift and carry objects weighing up to 27 kilograms (60 pounds). They are occasionally required to lift objects up to 45 kilograms (100 pounds). The work normally requires extensive standing, walking, kneeling, and bending. Most heavy lifting is accomplished by use of mechanical equipment. The work pace is moderate.

Working Conditions: Munitions destroyers work outdoors. They are regularly subject to dirt, noise, dust, fumes, and variations of weather. They are exposed to the possibility of injury from burns or explosions, since most munitions are damaged, deteriorated or otherwise unstable. They are exposed to danger of inhaling toxic smoke, particularly when destroying gas filled items. They are also subject to cuts, bruises, and sprains. They wear protective clothing such as specially treated coveralls, gloves, and respiratory protectors.