GENERAL PURPOSE BUCKET WITH BOLT ON CUTTING EDGE - MINIMUM SPECS

BACKGROUND / STATEMENT OF NEED
Hardwood Range personnel must perform routine and corrective maintenance in accordance with AFMAN 13-212, including maintaining access roads, managing spoil piles, and supporting safe training operations. The existing 4-in-1 bucket lacks the capacity and efficiency required for these tasks, slowing truck loading and material movement. A larger-capacity general-purpose bucket will significantly improve productivity by enabling faster loading and more effective back-dragging to smooth roads and level spoil areas, directly enhancing overall range readiness.

REQUIRMENT DESCRIPTION:
The contractor shall provide a hook-on General Purpose bucket equipped with a three-piece bolt-on cutting-edge kit. The bucket shall be correctly sized and fully compatible with the Volvo L110F wheel loader (Serial No. VCEL110FP00061840) and shall interface with the VAB-STD Volvo standard quick-attach coupler. The bucket shall have a rated capacity between 3.9 and 4.5 cubic yards, suitable for general loading, material handling, and back-dragging operations. All components shall be delivered fully compatible with the loader's existing coupler system and meet commercial-grade durability standards.

MINIMUM SPECIFICATIONS – GENERAL PURPOSE BUCKET

- Width: 118 inches
- Rated Capacity: 3.9 cubic yards
- Mounting Style: Hook-on quick-coupler interface
- Primary Use: Loading, stockpiling, and handling processed earth, sand, gravel, and similar materials

Functional Requirements

- Support efficient loading and movement of loose and processed materials
- Provide smooth and consistent back-dragging performance
- Maintain structural integrity during continuous operation
- Be fully compatible with the Government's wheel loader hook-on mounting system

Construction Requirements

- High-strength steel suitable for heavy-duty loading applications
- Reinforced side plates and wear surfaces to ensure durability
- A bolt-on cutting-edge system, including compatibility with a three-piece edge kit
- Welds that meet recognized industry structural standards

Compatibility Requirements

- Be fully compatible with the Government's wheel loader using a VAB-STD Volvo standard quick-attach coupler
- Match the geometry of the loader's quick-coupler system
- Be delivered ready for installation with all required mounting hardware

MINIMUM SPECIFICATONS - 118-Inch Three-Piece Bolt-On Cutting-Edge Kit Specifications
The contractor shall provide a three-piece bolt-on cutting-edge kit designed for installation on a 118-inch General Purpose bucket.

The kit shall meet the following minimum requirements:

- Overall Width: 118 inches
- Configuration: Three-piece bolt-on system (left, center, right sections)
- Material: High-strength, abrasion-resistant steel suitable for heavy-duty loading operations
- Bolt Pattern: Must match the existing hole pattern of the Government's 118-inch hook-on GP bucket
- Compatibility: Must be fully compatible with the Government's wheel loader and bucket interface
- Hardware: Shall include all bolts, nuts, and installation hardware required for full assembly