Statement of Objectives (SOO)
Joint Base San Antonio (JBSA) Lackland AFB, TX
Barcode Asset Management System
12 August 2019

1. SOO

The Government requires a Barcode Asset Management System that can function as non-network based stand alone, computer based management system designed for Armory/Arms Room that does not require modified weapon racks and can automatically logs weapons into and out of the Armory via scanning.

2. Purpose

The purpose of this requirement is for the Asset Management System for Law Enforcement Services at JBSA-Lackland to manage inventory of weapons and associated hardware. The contractor shall provide a Barcode Asset Management System that includes barcodes that are durable and capable of staying attached and serviceable in law enforcement operational environments. The barcodes shall be capable of being affixed to the following general item types: Weapons, weapon optics, ammunition magazines for various weapon types, Laser Aiming Devices (LADs), Night vision equipment, weapon accessories, binoculars, breached tools.

The system would be installed in the 802d Security Forces Squadron (802 SFS) armory, and also the supply warehouse (adjacent to one another). Operationally an individual would have an issued equipment account tracked on an AF Form 538, and record of their assigned weapons. Equipment could be added/removed to their personal account and warehouse inventory respectively for the duration of their tour with the 802 SFS as well as their arming status tracked for weapons issue and turn in, cleaning, or DNA (do not arm) status.

3. Technical Requirements

System should operate independently of government networks and be used for arms/equipment inventory, and report generation purposes only.

(Software) Master Authorization List: The system shall provide a Master Authorization List (MAL). The MAL shall include the requirements of Air Force Requirements of: Individual's Unit, Individual, Rank, Unique DOD ID number and the equipment that is assigned to the individual's account to include Weapon Type, NSN, Serial Number, Rack/Administrative number (location in armory/warehouse), the quantity assigned and the current location of each item.

The MAL shall also include a color coded graphic representation of the following: arming capability (DNA status), weapon qualification dates currently, and sustainment training dates, assigned status (who the weapon is assigned to), maintenance status and a real time indication of whether the item is signed out or in the arms room. The

MAL shall also include a function that allows the user to view the following information on each piece of equipment:

- Unit assigned down to flight, section, squad and team level (this function shall include the ability to reassign the equipment to another flight, section, squad or team on the fly), and individual in the case of weapon systems (personal assigned duty weapon).
- Equipment nomenclature, to include type, National Stock Number (NSN), Unit of Issue and if item is a privately or government-owned asset.
- Rack/Admin Number (this field shall be editable)
- Barcode Number (this field shall be editable as long as the item is checked into the system)
- Linking ability (the system shall allow the user to link parent and child items together such as a machine gun, barrels, carry case and cleaning kit)
- Equipment Status to include the last check out date and time, the last check in date and time, the checkout reason, personnel who signed item out, currently checked out indicator (in/out)
- Airman Assignment status shall include the individual person the equipment is assigned to by rank, first and last name. Also, the capability to show if the item is signed out to someone other than the person the item is assigned to. This function should also allow the user to reassign the item to another person from this tab
- Semi Annual, quarterly, and daily Inventory data to include: the last inventory date and time, type of inventory conducted, a scanned or not scanned notification and whether the item is a privately owned weapon
- Maintenance schedule to include the next scheduled maintenance date and type of maintenance performed including: Pre-embarkation, Post-embarkation, general maintenance, and gauging.
- A linked items listing to include all items that are currently linked to this piece of equipment to include the name, type, serial number and type of relationship (example: weapon, weapon optic, spare barrels and components)

(Software) Issue and Turn In Module: The equipment checkout function shall provide library-like accountability. The function shall have the ability to create a simple check out-in process and associate assets with people. The system shall be able to perform the standard check in and out procedure IAW Air Force requirements. The system shall produce the appropriate Air Force Forms AF 1297 and a weapons and Ammunition Sign Out Sheet. The following information shall be provided; Name, Unit National Stock Number, Nomenclature, Rack Number, Serial Number, Unit of Issue, actual amount signed for or turned in, a digital signature and a date. The system shall electronically populate this data to help mitigate human error.

(Software) Inventory Module: The system shall provide the same inventory process listed in Air Force Regulations. The system shall provide a daily barrel count inventory using the AF IMT 1473, a monthly serial number inventory and a command directed inventory. This module shall allow only authorized users to conduct the inventory. The daily inventory shall include a listing of each items nomenclature, an area to list

amounts in, amounts out, and a total of the two, who conducted the inventory, lastly it shall include an area to record the amount of keys and produce a paper report of the inventory.

The computer based barcode asset management system shall be stand alone, operate independently of government networks computer, and shall automatically log arms/equipment issue and turn in on AF Form 1297, AF Form 629, and track arming status against a MAL. The system shall be capable of arms/equipment inventory, and report generation.

The system should identify all Airman by reading DoD CAC cards. ID verification will be performed using CAC pin numbers. Each bar code shall be unique and linked to an item serial number, and NSN; all three shall be searchable fields in the record of each item. barcodes shall be read by affixed scanning device during Arms Room transactions at "arming windows", and handheld devices allowing the Armorer to instantly identify equipment and access associated records.

 (Software/Hardware) Bar code reading: The system must be able to read and process barcodes.

3.1 Energy Star Mandate
The contractor shall ensure the product meets Energy Star guidelines.

3.2 Section 508 of the Rehabilitation Act Mandate
The Contractor shall meet the requirements of the U.S. Access Board's regulations at 36 CFR Part 1194 which implements Section 508 of the Rehabilitation Act of 1973, as amended.

4. Technical Requirements

Item Description	Specifications/Standards	Quantity
Barcode Asset Management Software	Microsoft Windows based Asset Management System that can function as non-network based stand alone, computer based barcode management system	1
Barcode Asset Management Installation	Installation of Asset Management System software and scanning devices	1
Barcodes	Affixable barcodes	4,000
Training	Training for 4 personnel	1

4.1 Warranty
The contractor shall provide any OEM pass through warranty and standard commercial warranties applicable to the products being purchased at no cost.

4.2 Hardware and Associated Software and Peripherals
All hardware delivered shall include associated software, documentation and

associated peripherals required for operations (such as controllers, connectors, cables, drivers, adapters, etc.) as provided by the OEM. This is true only if the applicable OEM provides such items with the product itself.

4.3   Installation

The contractor shall provide software and hardware installation for the Barcode Asset Management System

4.4   Training

The contractor shall provide training for the Barcode Asset Management System

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This is an estimated list of weapons/types:

Weapon numbers
M4 x 545
M9 x 545
M240 x 13
M249 x 30
M203 x 40
M320 x 13
M870 x 13
M24 x 4
M 18 x 545 (pending delivery)