

THE DIGITAL ARMS ROOM

If proper accountability of your sensitive items or assets is a challenge, look no further! SMARTRACKUSMC® "The Digital Arms Room and Asset Tracker" is the answer!

www.digitalarmsroom.com

### SmarTrack IS!

SmarTrack Uses CAC cards, PIN's IUID and 1D bar-coding to inventory, track, trace, account, maintain and issue and receive equipment for all arms room property. The system produces approved NAVMC forms and publications for each transaction thus providing an electronic copy of each and every system transaction.

### SmarTrack Customer Base

A1,

I can't thank you enough for all the assistance and time that you have given me. You and your system has made my life so much easier. Any time there was a question about the location of a piece of equipment, I had an answer. I can't imagine how much trouble Smartrack has saved me. Thank you.

Thanks again for making my life easy !

Very respectfully, SGT Bradley.J.Hoagland 1/75<sup>TH</sup> Ranger Regt 9 Jan 09

# Who We Are

- Based in Raleigh, NC
- Small Disabled Veteran Owned Business
- Mainly a custom software design firm

## (What We Do)

- Design Custom Effective Software and Hardware Solutions
- Specialize in Asset Management
- We design for the marine by the marine, our systems adapt to the marine and not vice versa

### **Fundamental Issue**

How can a commander?

Assign individual and command responsibility for equipment using current technologies such as CAC Cards and IUID tagging to enhance:

- Accountability
- Life Cycle Management
- Asset Management
- Maintenance Tracking
- Inventory and Management Control
- Reduce e and Eliminate Paper Transactions
- Increase Training and Personal Time
- Add Value to Every Unit Member
- Provide Portability and Flexibility

## Challenge

#### UNIT ARMS ROOMS

Paper Based

1 Soldier

50,000 TRANSACTIONS

- Slow & Inefficient
- Inaccurate lost equipment
- Not Responsive (Joint/Allied OPNS)
- Lacks standardization
- No connectivity

"Antiquated"

300 Customers

10,000 Maintenance Services

> 2-3000 **Items**

520 Inventories

### Solution

SMARTRACK USMC "The Digital Arms Room"

Fully Automated

Data Base Management

Portable & Flexible

Virtual Armory

## (What is SmarTrack USMC)

**Asset Tracking and Management** 

Track, Trace,
Maintain,
Inventory, Account

Enter Equipment

Bar Code Equipment

Assign
Equipment to
People or Places

Enter Personnel

Assign Equipment Assign Maintenance Data

# SMARTRACK USMC

**5**mart way to manage and maintain assets and people

**M**obile, goes where you go

Asset Management, can be used in all commodity areas

Reliable, reduces complexity and human error

**T**ested, field tested in combat

Reliable, consistent quality of data management

Accountability for individuals and management team

ontinuity, seamless integration in change of command

Knowledge, a central point for asset management

### **SMARTRACK FOOTPRINT**

**Arms Rooms** 

Commo

**NBC** 

**Tool Room** 

**Vehicles** 















### **Product Features**

Heads Up Display

**Master Authorization List** 

**Property Book** 

Personnel Page

Issue & Turn In

Checked Out Items Page

Maintenance

Inventory

Reports and Queries

**Training Statistics** 

Ammo Storage

**Key and Lock Control** 

Forms and Publications Library

Self Inspection

Kit Design

**Bulk Items** 

**Portability** 

Packing List Design

### What's Included

#### Hardware

- Laptop
- Duplex Printer
- Touch Monitor
- Wireless Scanner
- Signature Pad
- CAC Card Reader
- UPS
- A/V Cart
- Back Pack
- Back Up Drive

#### Software

- Windows XP/Vista/7/8
- SMARTRACK 3.0
- SQL Server

#### **Installation & Training**

- 1 on 1 Instruction
- 1 week training on site
- Data Migration
- Bar Coding
- Installation
- \* See vendor for multi purchase discounts

BUSINESS Communities

## **Product Support**

- 3 Year 24 hour replacement for all hardware
- 24/7 tech support
- No need for army maintenance and support, it's included
- All items adjust to local electricity

### **Unique Identification**

#### **SmarTrack reads:**

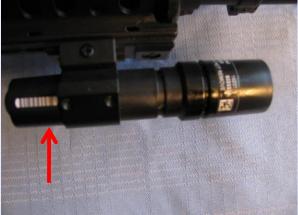
- 1D Bar Codes
- 2D Bar Codes
- Data Matrix Tags
- DOD IUID tags

Williams Software can provide DoD approved IUID tags, application of tags, reporting to WAWF and tag verification for all equipment at a cost of \$2 per metal photo tag. This will result in 100 percent compliance with the IUID initiative required by DoD. These tags do not come standard. Units may also use local assets for tag production. Average cost per arms room is \$2,000

SmartTrack Barcodes: SmarTrack bar codes are double polyester, double clear coat with a high resin adhesive. They come on a roll of 5,000 and each bar code is uniquely numbered by Williams Software. Each surface is cleaned with a cleaning solution before the label is applied. Then an overcoat is sprayed over the bar code to increase the label durability. SmarTrack bar codes are included with the SmarTrack system purchase.



**SmarTrack Bar Codes** 



**M9 Pistol with SmarTrack** Label



TAC Light with SmarTrack Label



M4 Rifle with SmarTrack Label

Scope with SmarTrack Label

TESA IUID Labels: TESA IUID labels are a special durable label. They are designed and printed by many defense contracting companies or may already exist on government equipment. Each serial numbered item is assigned a construct 1 or 2 UID number that is unique to that piece of equipment. The IUID information is reported to the Wide Area Work Flow WAWF and the labels are then shipped to the property custodian and applied to each piece of equipment. Each surface is cleaned with a cleaning solution before the label is applied. An overcoat is then sprayed over the label to increase the durability. IUID Labels are not included with the SmarTrack system purchase. Williams Software does offer IUID services and solutions.



We have any second to the second seco



M9 Pistol with IUID TESA Label

SCAR Rifle with OEM TESA Label

TAC Light with TESA Label



M4 Rifle with IUID TESA Label

**TESA IUID Labels** 



Scope with IUID TESA Label

Metal Photo IUID Labels: Metal Photo IUID labels are a special durable metal label. They are designed and printed by many defense contracting companies or may already exist on government equipment. Each serial numbered item is assigned a construct 1 or 2 UID number that is unique to that piece of equipment. The IUID information is reported to the Wide Area Work Flow WAWF and the labels are then shipped to the property custodian and applied to each piece of equipment. Each surface is cleaned with a cleaning solution before the label is applied. An overcoat sprayed is sprayed over the label to increase durability. Metal Photo IUID Labels are not included with the SmarTrack system purchase. Williams Software does offer metal photo IUID services and solutions.



M9 Pistol with IUID Metal Label



M4 Rifle with IUID Metal Label



Shotgun with IUID Metal Label



Shotgun with IUID Metal Label

## **Field Test Results**

Based on 3,000 items

Tested Areas	Test Arms Room 1 Paper System	Digital Arms Room	Test Arms Room 2 Paper System	Digital Arms Room	
Property Book Accuracy	94%	100%	97%	100%	
Serial Number Inventory Time	7.5 Hrs	1.4 Hrs	4 Hrs	< 1 Hr	
Issue/TI Paperwork Accuracy	67%	100%	91%	100%	
MAL Accuracy	79%	100%	97%	100%	
Issue Time Entire Arms Room	7 Hrs	4 Hrs	3.5 Hrs	2 Hrs	
Turn In Entire Arms Room	4.5 Hrs	2 Hrs	3 Hrs	1.5 Hrs	

## **Field Test Results**

Based on 3,000 items

Tested Areas	Test Arms Room 1 Paper System	Digital Arms Room	Test Arms Room 2 Paper System	Digital Arms Room
Deadline Tracking Accuracy	87%	100%	91%	100%
Parts Tracking Accuracy	52 %	100%	67%	100%
Issued to Wrong Soldier	11%	0%	4%	0%
Inventory Time	8 hrs (4 Pax)	1.5 hrs (3 Pax)	7 hrs (4 Pax)	1.15 hrs (3 Pax)
Tracking Accuracy	84%	100%	87%	100%
Maintenance History Tracking	10%	100%	6%	100%

**Business Confidential** 

### **Purchasing Information**

### SmarTrack can be purchased on the GSA Advantage at:

**GSAADVANTAGE.GOV part number "smartrack"** 

**Schedule Number: SYNNEX GS-35F-0143R** 

Part #: SMARTRACK

**OR CALL** 

Williams Software Associates Corp.

910 263-1933 or e-mail sales@wsacorp.us



### **Heads Up Display**

- Expired ETS and DEROS/PCS
- Overdue maintenance items
- Ammo storage expiration
- Maximum rounds fired notification (80-100 percent)
- Readiness rating alerts for non-mission capable systems
- Required reports and inspections
- Overdue Items Reports

### **Master Authorization List**

- Core elements of data base, visual status icons, real time decision making tool
- Visual indication of what is: assigned, un-assigned, checked out, non-mission capable, and round count status
- Facilitates drag and drop changes
- Prevents double assignments
- Prevents the assignment of non-mission capable equipment
- Bundles equipment (connects machine gun, spare barrels, spare bags, scopes and aiming device as a set)

### **Property Book**

- Accurate property book of all arms room equipment down to assigned level by team, squad, platoon and company to include SL3 and non standard items
- Prints property books for leaders at each level showing what they their unit is responsible for
- Includes quantity authorized, on hand, LIN, SUB LIN, NSN, Nomenclature, Type to include POW's

### **Personnel Page**

- Fills authorized personnel database with DoD CAC cards to include signature
- Allows drag and drop assignment of personnel to teams, squads, sections and platoons
- Identifies do not issue personnel (court marshal, suicide watch etc) from drawing equipment
- Allows assignment of attached personnel
- Prints personnel reports by team through company level

### **Issue & Turn In**

- CAC Card issue with PIN Verification
- Prevents issue of non mission capable equipment
- Prevents issue of equipment to the wrong individual
- Prevents issue to Lautenberg Act personnel
- Generates instantaneous NAVMC forms NAV 10576/10520/1186 and Armory Commitment Sheets
- Eliminates armorer transcription errors
- Speeds the issue & turn-in
- Provides historical equipment data
- Tracks Rounds fired/Rounds remaining

### **Checked Out Items Page**

- Real time checked out items tracking
- Shows who equipment is assigned to, who actually checked it out and for what reason equipment was checked out
- Query by reason, unit (team- company), by person and by type of weapon
- Constantly updates equipment counts for all items on property book

#### **Maintenance**

- Automates scheduled maintenance tasks
- Maintains a real-time NAVMC 10525/1018/10925 for the user
- Tracks round counts and populates counts for all rounds fired and maintenance tasks
- Maintains maintenance history records for all equipment
- Notifies armorer when gauging and calibration is due
- Notifies armorer when organizational and user maintenance is due

### Inventory/CMR

- Automated daily, monthly, property book and command directed inventory
- Provides for 100 percent accuracy of all arms room equipment
- Conduct inventories from multiple locations
- Verifies inspectors minimum rank and ensures non consecutive monthly inspector
- Inventory by type, status, location and more
- Instant comparison to master data base
- Conduct cyclic, percentage and other types of inventory

### **Reports and Queries**

- Facilitates chain of command reporting
- Non-mission capable reports for all equipment. Report provides dead lined items, where they are, how long they have been in maintenance, when they are due, and reason
- Query weapons systems readiness reports for all equipment
- Instantly prints weapons cards through drag and drop function

# Commanders Reports Sampler

Report Name	Use			
Company Equipment Quick Count	Snap Shot of all unit equipment, what should and should not be in the arms room			
Company Personnel Report	Lists all authorized users, 90 day ETS, PCS notification, and do not issue personnel			
Condensed MAL	Shows required commanders information to comply with regulations			
Arms Room Property Book Listing	Shows all equipment similar to PBUSE with additional info such a rack/butt number and actual number currently in arms room			
Monthly Serial Number Inventory	Lists all equipment on property book, items scanned, items checked out, reason out and whom currently has the equipment			
Ammunition Storage Report	Lists all ammo being temporarily stored, with info on who turned ammo in and out of arms room			
Physical Security Inspection Report	Displays physical security inspection results			
Issued and returned Items Reports	Displays all information by unit, sub unit or individual on all equipment checked in and out of the arms room in real time			
Deadline Deficiency Report	Lists all deadline items and the deadline deficiencies for each item			
Deadline Downtime Report	Lists all deadline items and provides information on how long items are dead lined and shows all ordered parts to include due in info			
Maintenance Readiness Report	Provides readiness ratings for all equipment types			
Scheduled Maintenance Report	Allows armorer to query scheduled maintenance			
Unqualified and untrained reports	Provides information on all unqualified individuals and crews			

**Business Confidential** 

### **Training Statistics**

- Track qualification, hits, qualification levels, next qualification date, by individual and crew served equipment
- Provides qualification reports by team through company
- Assists leaders with proper personnel assignment
- Query upcoming qualification requirements

### **Ammo Storage**

- Provides inventory ability for temporary storage of ammo
- Produces appropriate paperwork for the transaction
- Automatic notification of past due storage dates

### **Key and Lock Control**

- Reminder of inspection dates
- Reminder of key and lock rotation dates
- Provides digital key control register

### Forms and Publications Library

- Supplies local drive and web based static and fill-in forms that apply to the arms room
- Contains all Regulations, Technical Manual and Field Manuals that apply to the arms room

## **Self Inspection**

- Prepares unit arms rooms for internal and external inspections
- Inspection forms can be tailored to specific unit

#### Kit Design

- Design kits
- Assign kits
- Allows units to design kit for individual and crew served weapons, optics and lasers
- Allows units to design kits for mission specific purposes
- Design BII tracking kits
- Allows you to track non property book tracked and non serialized valuable equipment

#### **Bulk Items**

- Track bulk items included or not included on property book
- Inventory and track bulk issue items separately from property book items
- Improve accountability of the little things that degrade the mission when missing

## Packing List Design

- Design shipping and packing lists on SF Form
   701
- Design shipping containers, boxes within shipping containers, scan all items into boxes and assign master barcodes per box
- Auto produce SF Form 701 for each box and overall container
- Inventory by box and container
- Produce property book listing for each box and container

## **Due Date Notification**

- System tracks each items return date
- System notifies clerk of any items not returned on time
- System alerts during start up and shut down

### **Portability**

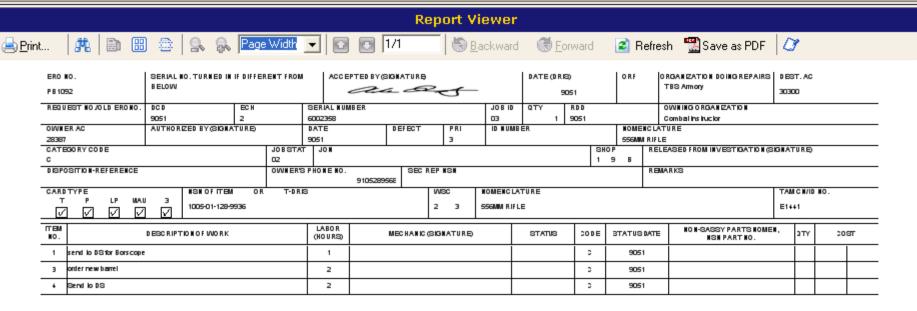
- System fits in back pack, belly load printer in plane
- System has been deployed to Iraq and Afghanistan on several deployments with multiple systems on their second rotation



#### **Marine Activities**

<u>Tested Activities</u>	<u>Results</u>
1. CRANE INVENTORY, AUTOMATED	Inventory time reduced by two thirds
2. Conducted the issue and turn in of 67 Marines/ 1422 items of equipment using SmarTrack and Legacy	All equipment was issued and turned in in less then 53 minutes.
requirements	100 percent accuracy was recorded
	System identified personnel that have not been assigned equipment
	Some Marines did not know CAC PIN numbers
3. Tested use of ERO and EROSL	Marines Estimate a time savings of 80 percent per ERO/EROSL
4. Tested Effectiveness of IUID tags	Tags work fine when not damaged/Need a tag replacement process
5. Tested Armory Commitment Sheet Process	Marines estimate a time savings of 99 percent; Was able to produce an un-scheduled Armory Commitment Sheet
6. Personnel Auto Fill	Added 136 CI personnel in less than 2 seconds
7. The NAVMC 10576 & NAVMC 10520 preparation	Was able to produce Ordnance Custody Receipts and the Receipt for Individual Weapons and Accessories electronically saving countless Marine hours
8. IOC conducted an Issue of 4-8 pieces of equipment to Class 3-09 on 6 April 2009	Initial issue took 1hr 30 minutes while providing the Accurate Reports for the Commander; Batch Turn in of Equipment took less 30 minutes

intenance NAVMC 10245



#### SMARTRACK's

Automated Equipment Repair Order
NAVMC 10245

CIV. LABOR CHG.	NON-SASSY PARTSCHG.	DATECLOSED	MIL. LABOR HRS.	CLOSESTAT	NO.UNSER	SOTO	PRIMARY METER READING
1.50			1	15	4	м	123456
TASK DATA FIELDS							

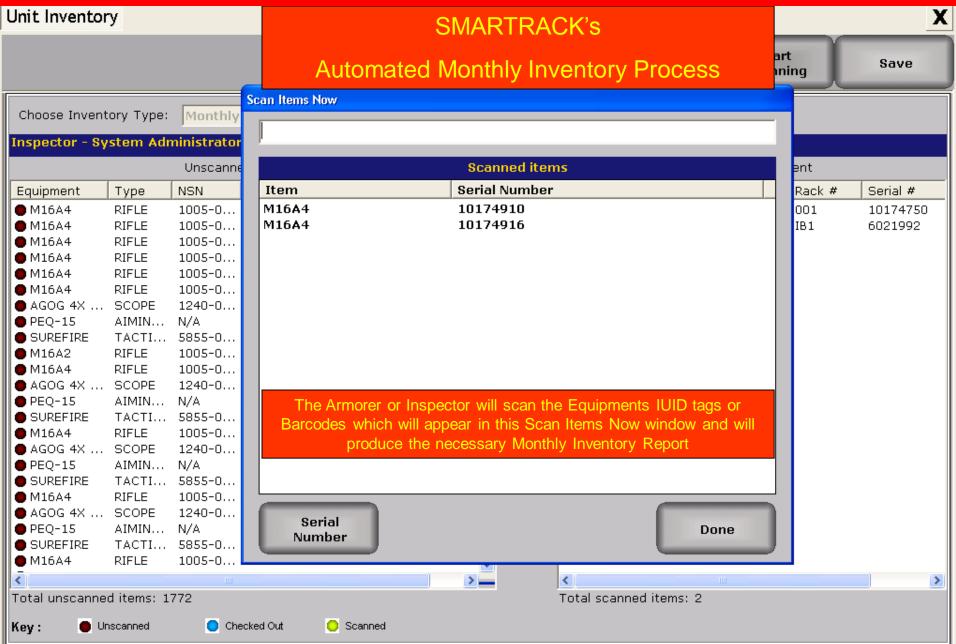
intenance NAVMC 10925



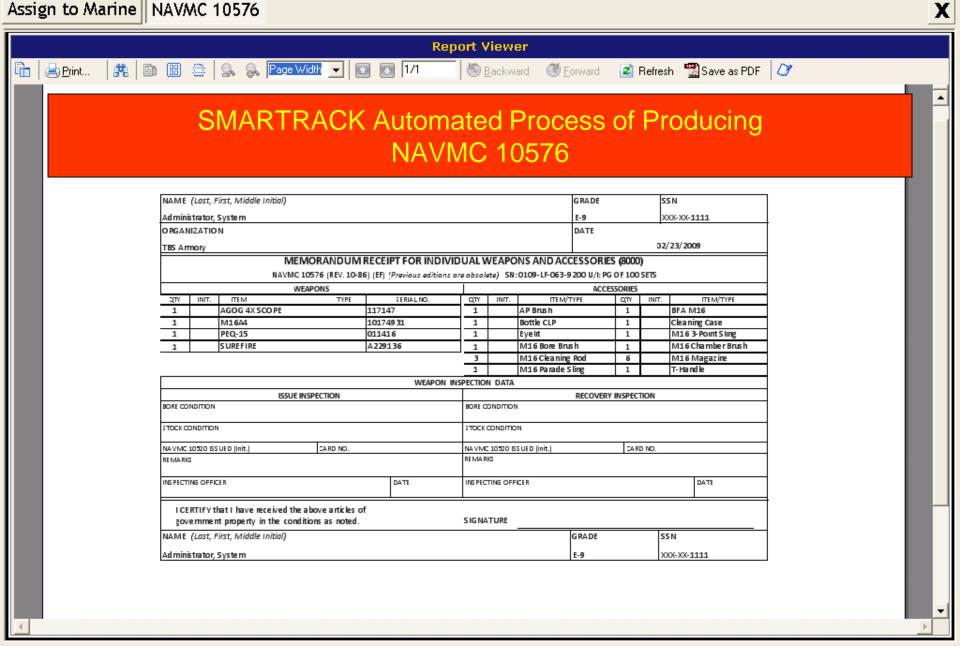
#### SMARTRACK's

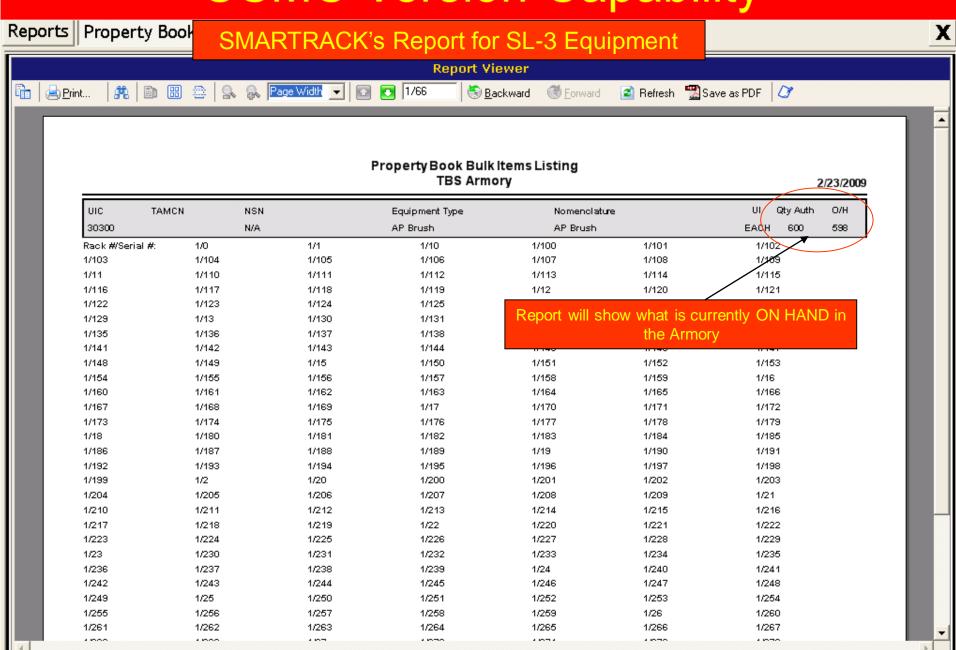
Automated Equipment Repair Order Shopping
List

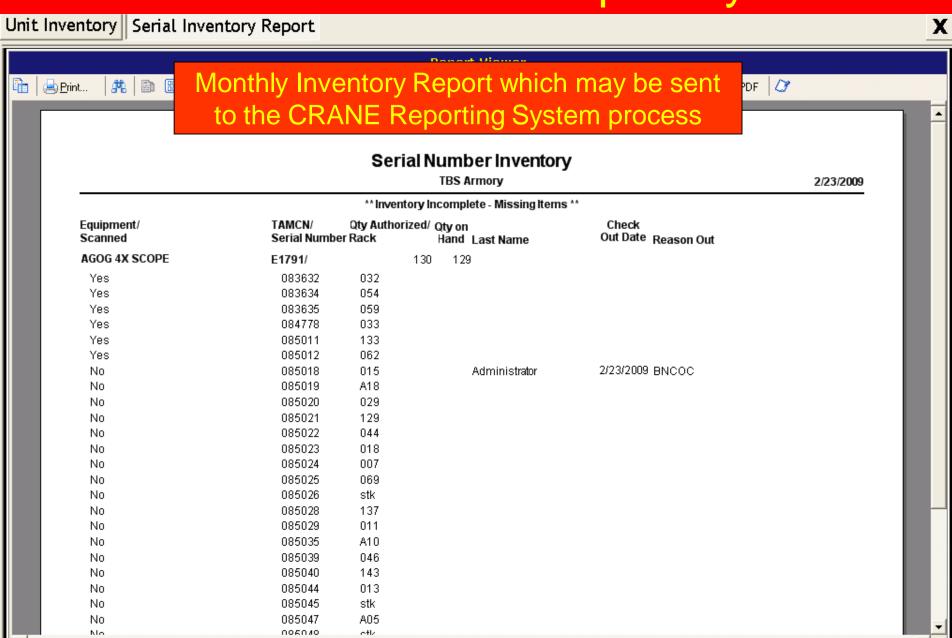
**NAVMC 10359** 

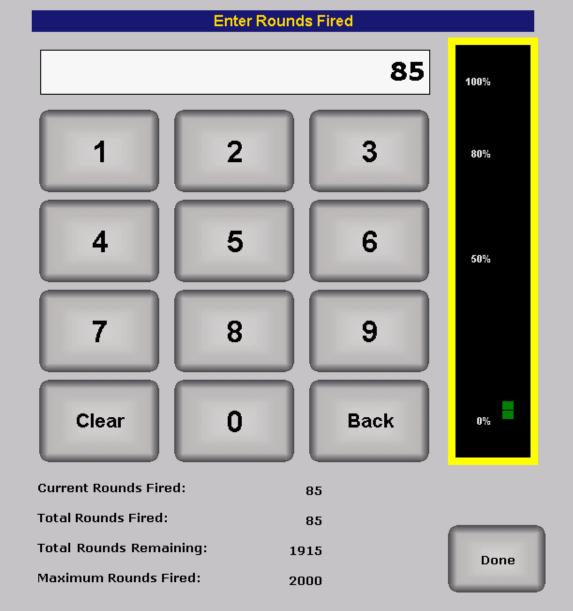


Assistant Marine Marine

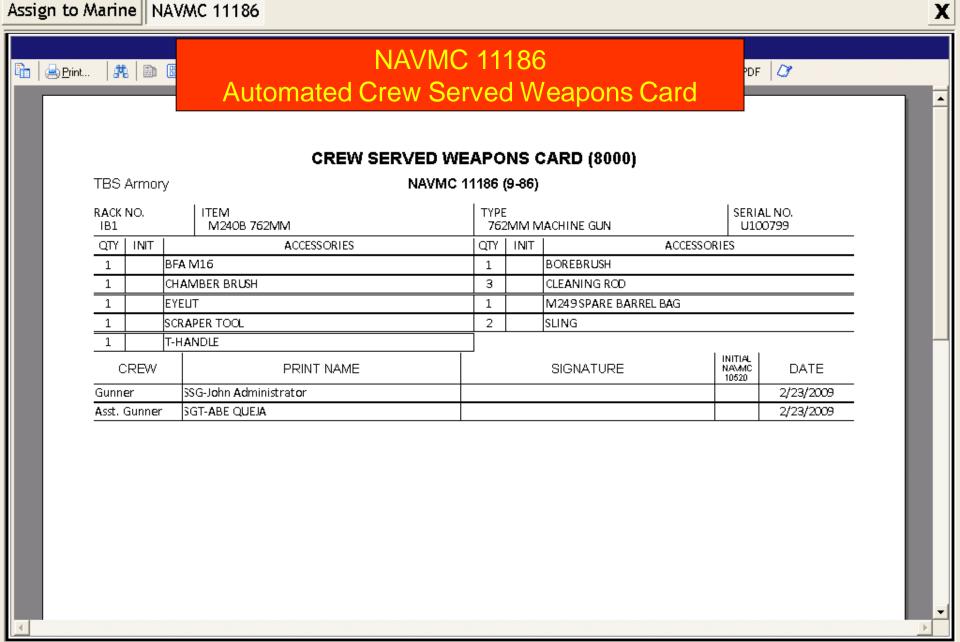


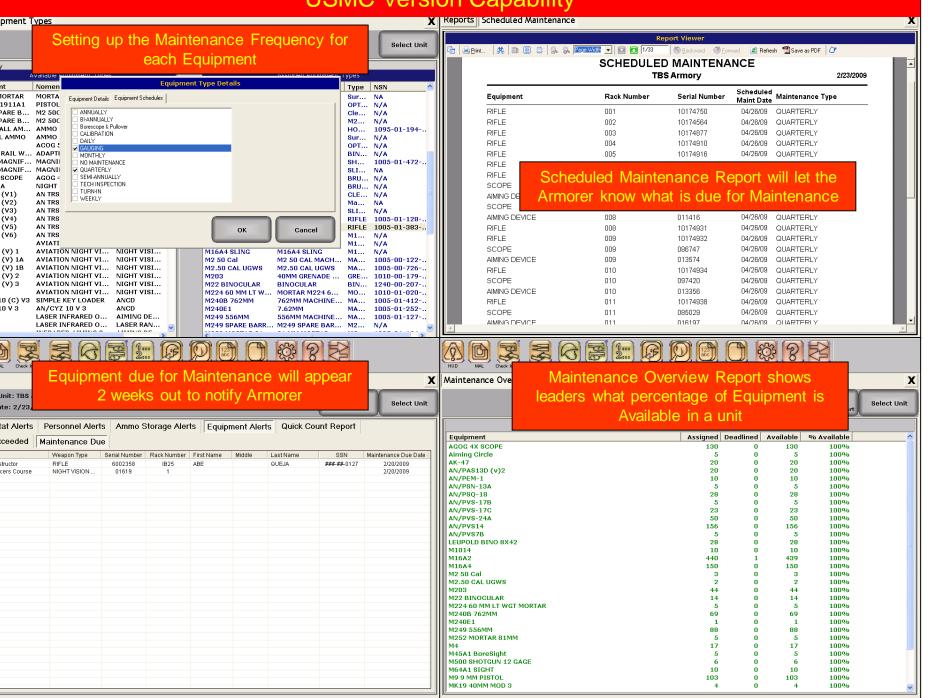






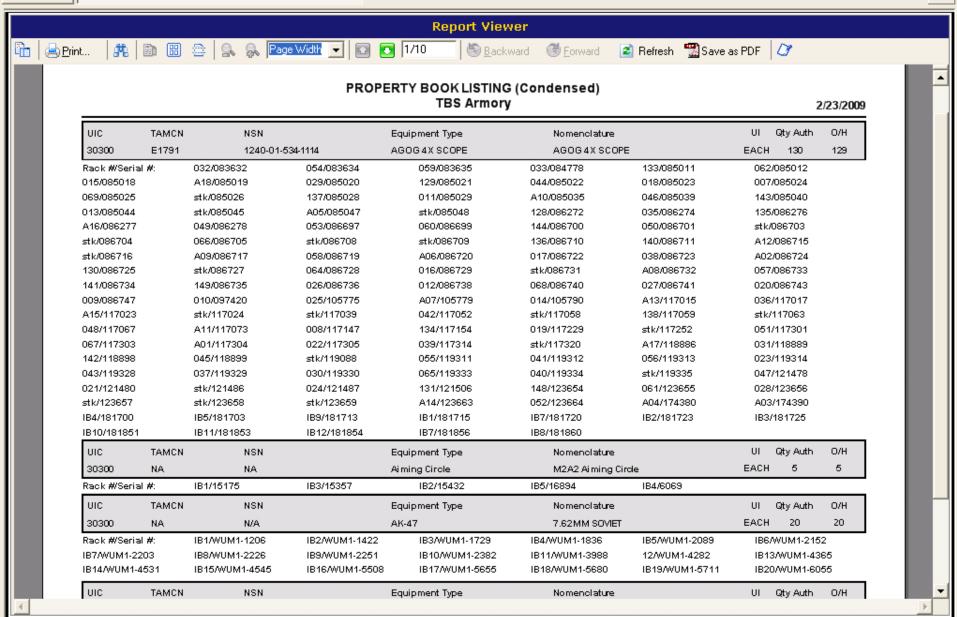
Rounds Fired will get captured and recorded in the Weapons Record Book





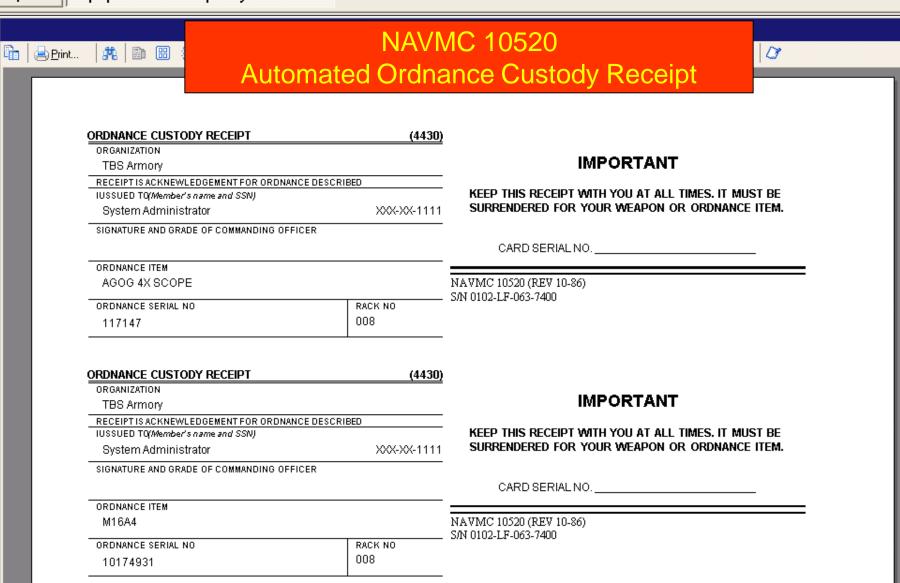
X

Reports | Property Book Listing (Condensed)



X

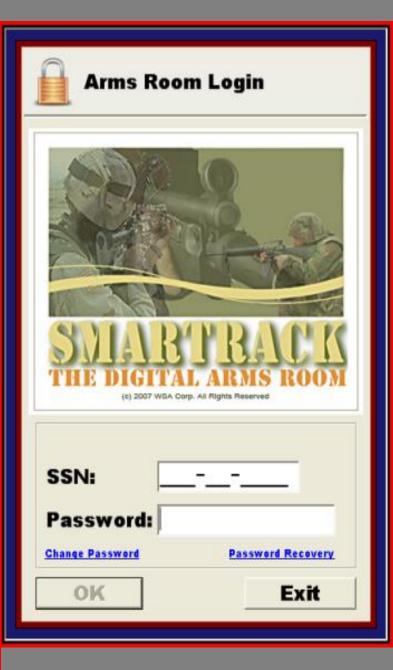
Reports | Equipment Receipt by Personnel

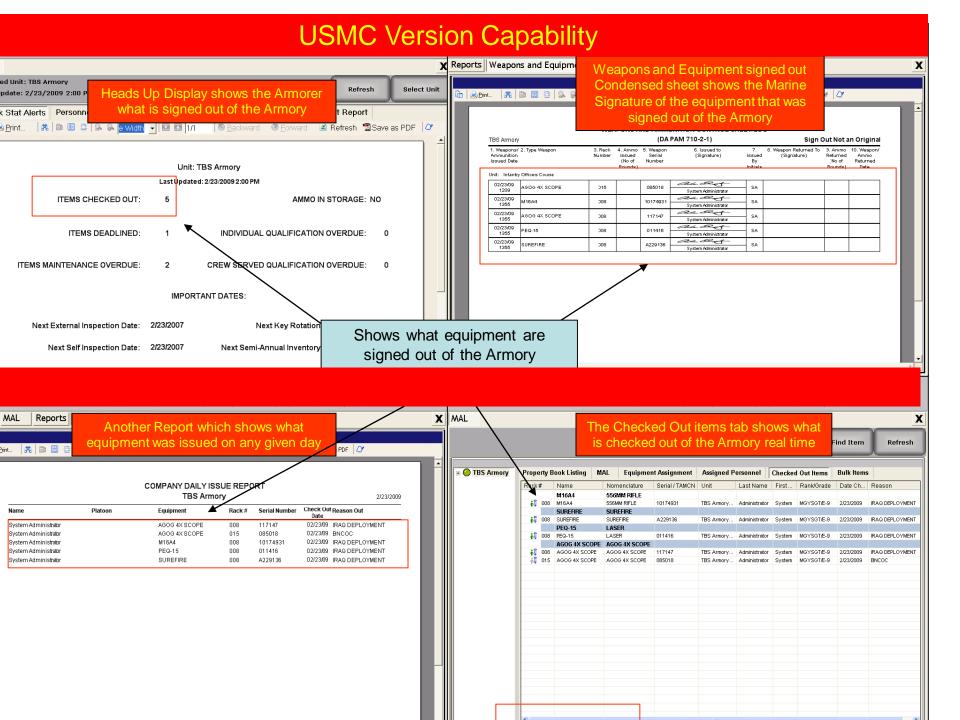


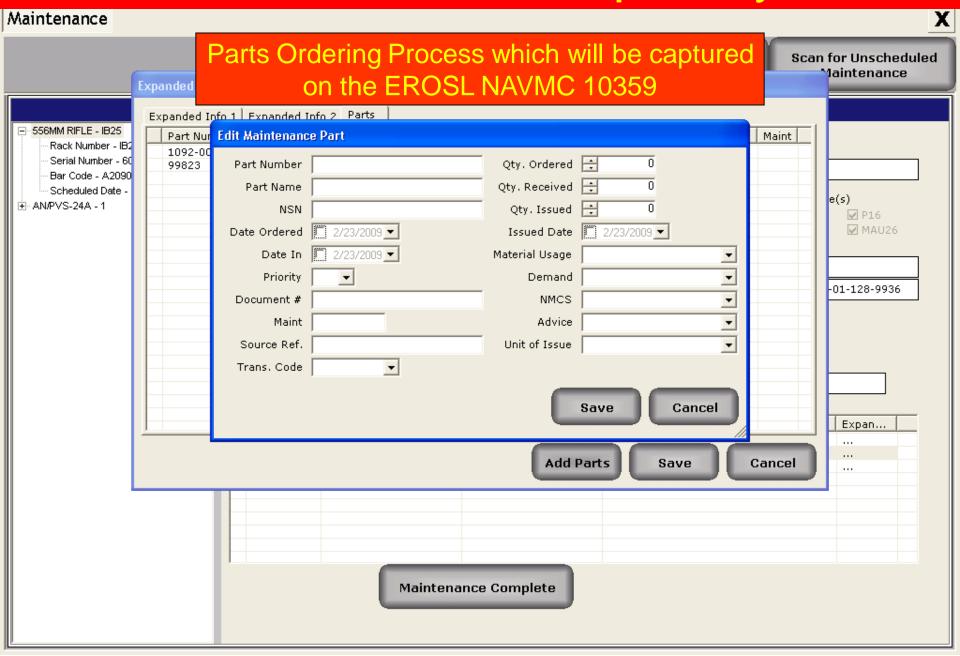
Set System User Prop	erties	
SSN:	###-##-0127	New User!
Password:	 	Active: ▼
Confirm Password:		
Key Question:	What is your Favorite Color?	_
Key Answer:		
Access Level:	Super User	•
Preferred Unit:		
	Set the Preferred Unit	Cancel

Each Armorer will be given Login rights to gain access into the SMARTRACK System based on their ACCESS Level given to them

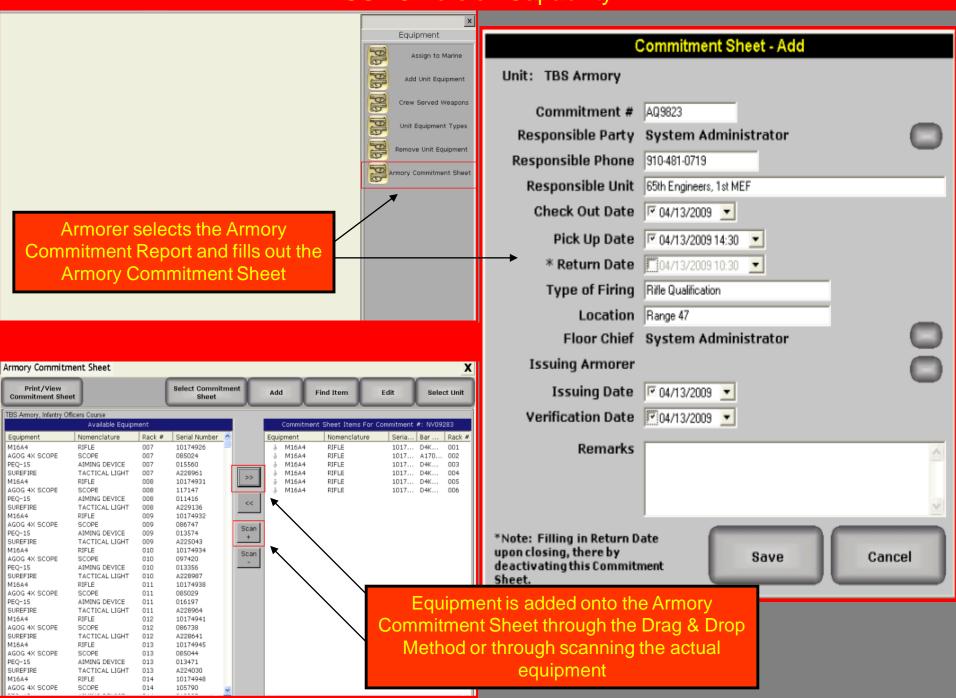
Access Code	Rights Access	<u>Personnel</u>
5 (Super User)	Access to ALL features in the SMARTRACK Software application	Commanding Officer
		Property Book Officer
		Unit Supply Sergeant
		Selected Armorers
3 (Power User)	Access to all features in the SMARTRACK System except:	Executive Officer
	Removing Equipment from the system	First Sergeant
	Issuing User rights to other Armorers	Selected Armorers
	Changing Serial Numbers in the system	
1 (Minimal User)	Can ONLY access the Forms Library containing Technical Manuals,	Informations Officer
	Regulations and Forms and may only view and print selected Reports	Platoon Sergeant
	Regulations and Forms and may only view and print selected Reports	Platoon Sergeant

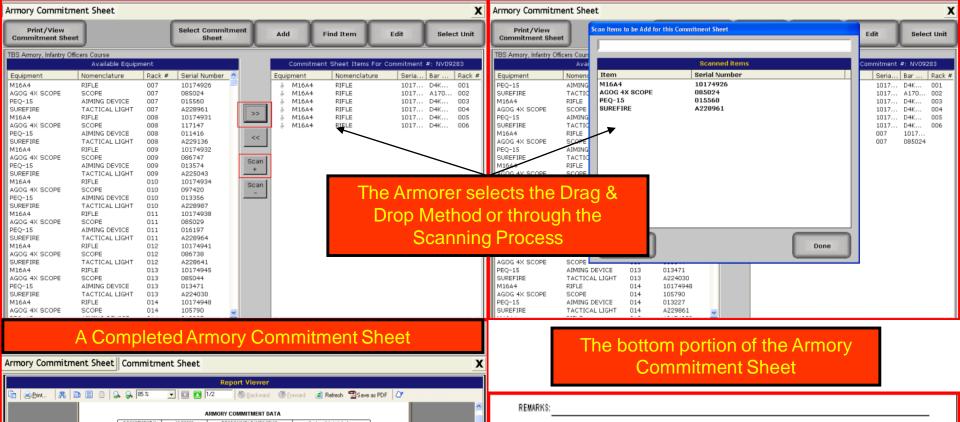






NAVMC 1018 (REV 6-85) 2-78 EDITION MAY BE USED SIDE A UNTIL SUPPLY IS EXHAUSTED INSPECTION TAG (4700)  DATE 03/02/2009 ERO NO.  OMNING UNIT Infantry Officers Course  ITEM AGOG 4X SCOPE ID NO.  SERIAL NO. OM6720 REQUEST NO. CONDITION CODE  INITIAL INSPECTION	SIDE B  REPAIR TAG  DEFECTS CORRECTED/MODS INCORPORATED/REMARKS	NAVMC 1018 Side A and Side B
C-u/s screws and redical will not adjust C-parts need to be added C-Laser Light not being produced  ECHANGE OF REPAIRS INSPECTOR'S UNIT  ACTION (REQUIRED/TAKEN)	FINAL INSPECTION CHECKLIST  REQUEST MODS APPLIED?  RECORD/GUN BOOK ENTRIES MADE?  YES NO HAS FRESERVATION BEEN COMSIDERED?  YES NO REMARKS/CONDITION CODE  QC/INSPECTOR (Print name and sign)	NAVMC 1018  Will automatically be produced when an item in the SMARTRACK System is Dead-Lined
INSPECTOR (PRINT NAME AND SIGN) SN: 0000-00-001-5106 U/I: PG OF 100 TAGS		







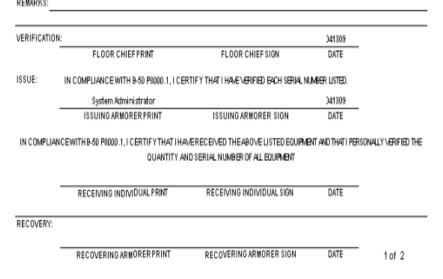
10174750 10174564 10174877

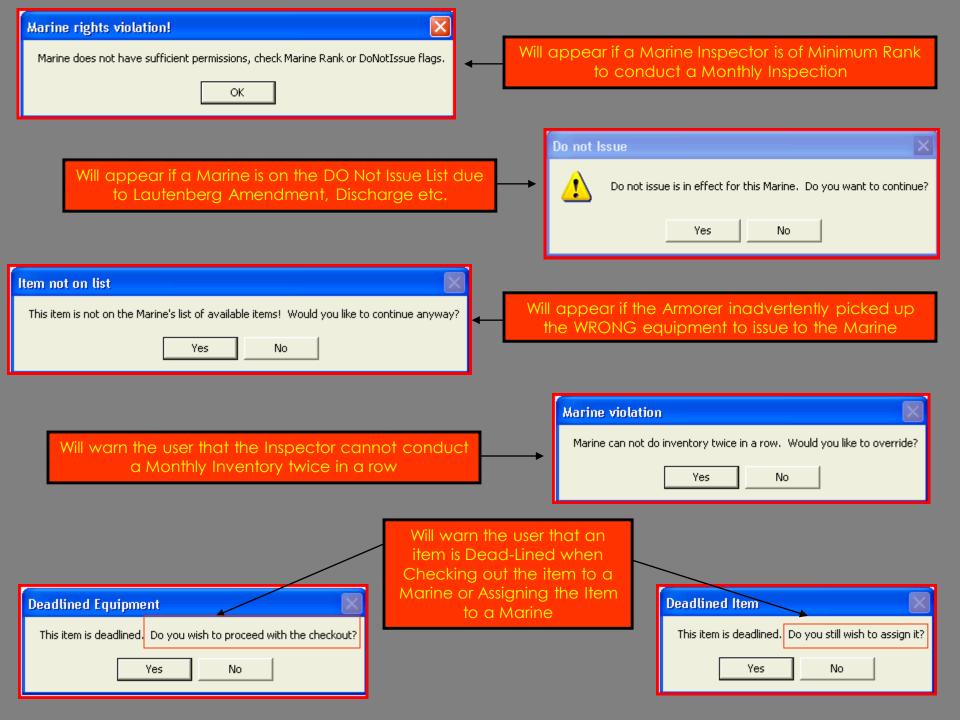
RHW LEUPOLD BINO 306 10174918 IOC7 U46782

U46712

3514604

REMARKS:





## **Contact Information**

**Williams Software Associates Corp** 

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