SmarTrack

DEA

What is SMARTRACK DEA!

SMARTRACK uses DEA PIV cards, PIN's, IUID tags and 2D bar-coding to inventory, track, trace, account, maintain, issue and receive equipment for all critical and non critical property. The system produces approved forms and publications for each transaction thus providing an electronic copy

of each and every system transaction. Originally designed for Armory Management it is now used in all commodity areas and warehouse environments.

Go Ahead and Make it Easy!!

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 soldier by the soldier, our systems adapt to the soldier and not vice versa

System Purpose

- **Accountability**

- **Life Cycle Management**

- **Asset Management**

- **Maintenance Tracking**

- **Inventory and Management Control**

- **Reduce and Eliminate Paper Transactions**

- **Increase Training and Personal Time**

- **Add Value to Every Unit Member**

- **Provide Portability and Flexibility**

Challenge

Asset Management

Paper Based

Limited Personnel

50,000 TRANSACTIONS

300 Customers

Maintenance Services

Inventories

10,0000 Items

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

Solution

SMARTRACK "Agile Asset Tracking System"

- Fully Automated
- Data Base Management
- Portable & Flexible
- Virtual Management

Product Versions

- SmarTrack US Army

- SmarTrack Army Enhanced Maintenance

- SmarTrack USMC

- SmarTrack US Navy

- SmarTrack US Air Force

- SmarTrack Drug Enforcement Administration (DEA)

- SmarTrack Army Parts Management System

What is SmarTrack

Asset Tracking and Management

Enter Equipment

Track, Trace, Maintain, Inventory, Account

Bar Code Equipment

Assign Equipment to People or Places

Enter Personnel

Assign Equipment

Assign Maintenance Data

SmarTrack Agile Asset Management

Current Services Served

US Army

500 +

Stand Alone

3

Server Based

US Marine Corps

1+ Installations

Server Based

US Air Force

14+ Installations

Stand Alone

SmarTrack Digital Arms Room And Asset Tracking System

Types of Installations

Arms Room

Weapons Warehouses

Commo Room

Supply

SCIF

SMARTRACK FOOTPRINT

Arms Rooms **Supply** **IT** **Tool Room**

Afghanistan **CONUS** **Japan** **Germany**

Korea

Iraq **Italy**

Product Features

Heads Up Display

Master Authorization List

Hand Receipts Management

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
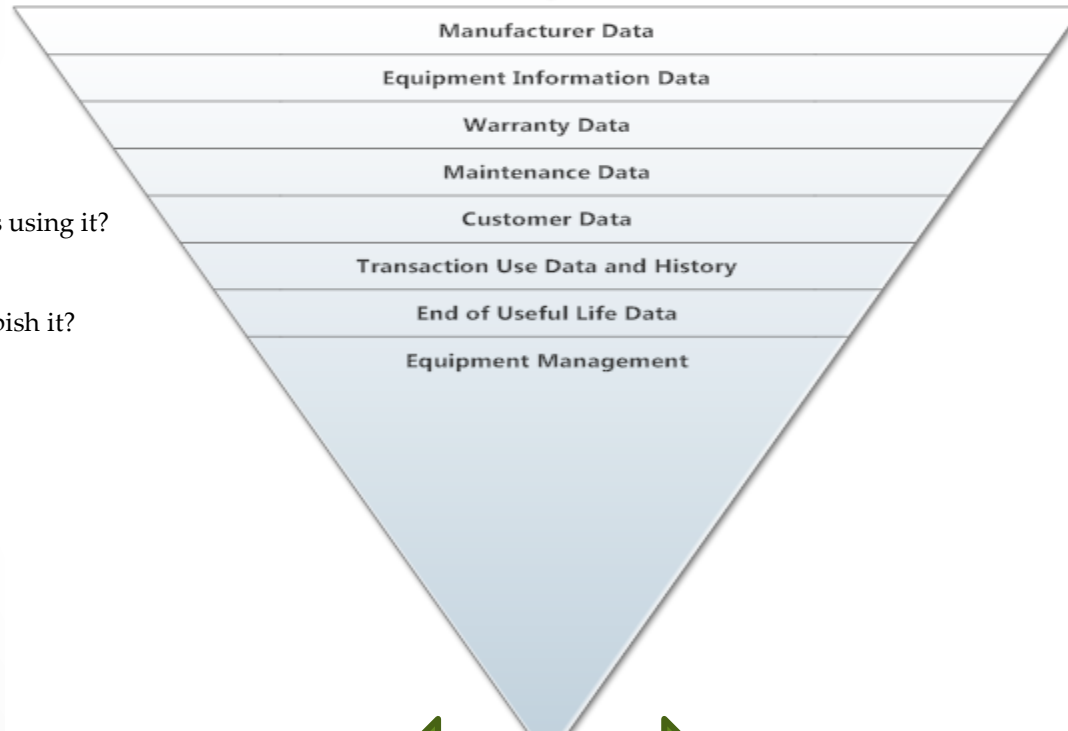
Self Inspection

Kit Design

Bulk Items

Property Book Interface

Packing List Design

Asset and Life Cycle Management

Equipment and Personnel

Where did it come from?

Product support?

Where is it assigned, who is using it?

When do we retire or refurbish it?

What is it?

When and how do we maintain it?

What is it's use history?

What is it's current status?

Manufacturer Data

Equipment Information Data

Warranty Data

Maintenance Data

Customer Data

Transaction Use Data and History

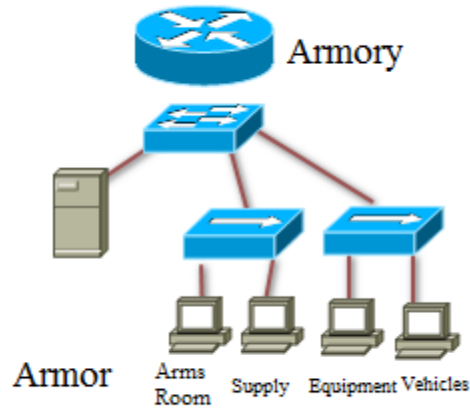End of Useful Life Data

Equipment Management
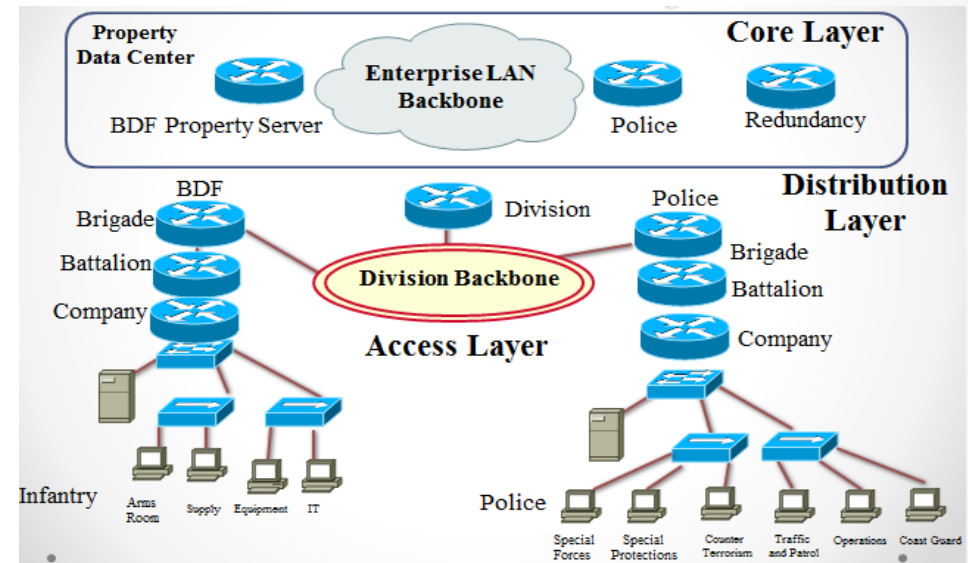
Retire ⟷ Recycle

Accountability and Accuracy

Scope of Possibilities

Small Local Operations
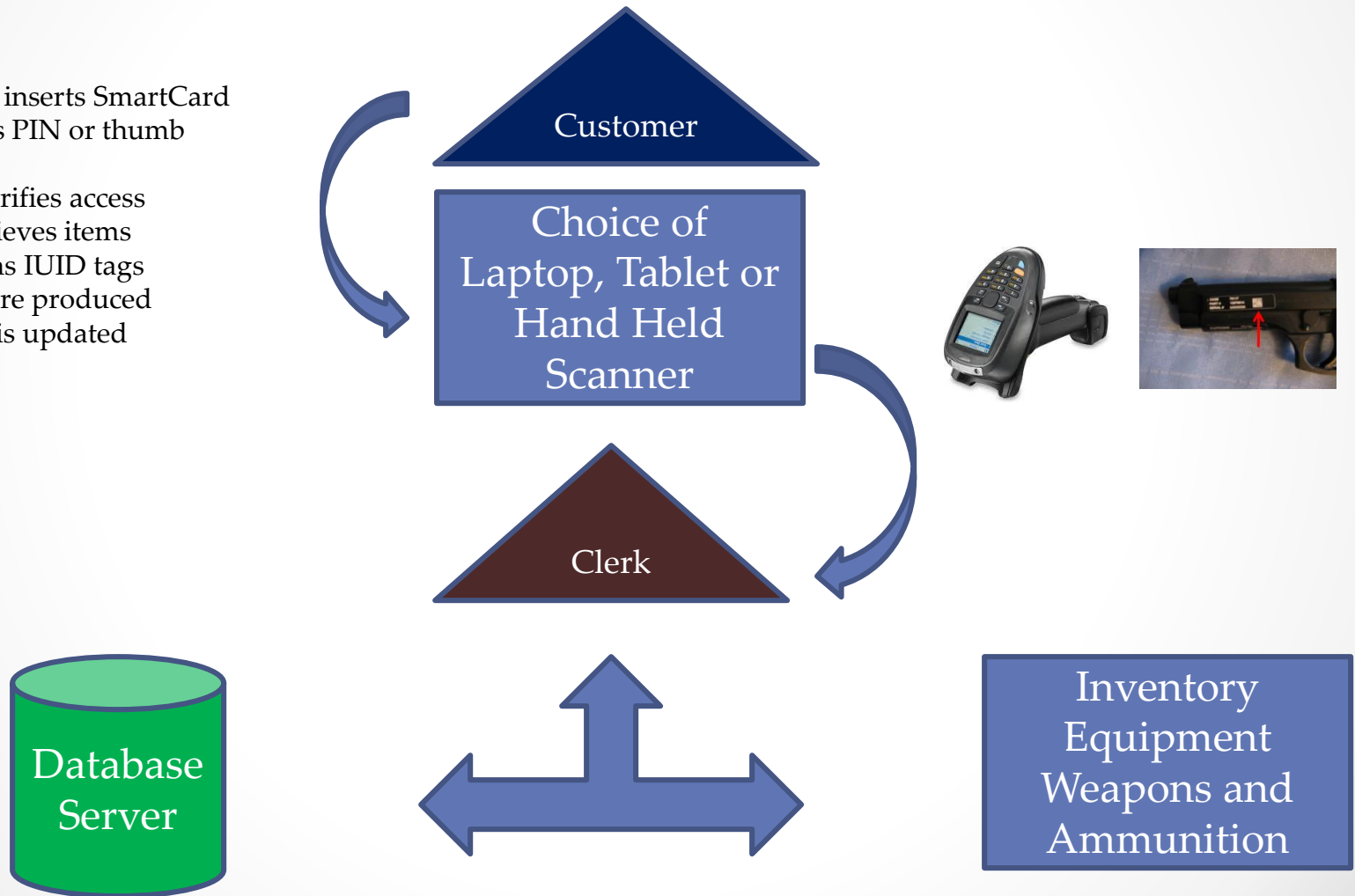

Enterprise Level Asset Management Solution

Basic Operation

1. Customer inserts SmartCard and enters PIN or thumb print
2. System verifies access
3. Clerk retrieves items
4. Clerk scans IUID tags
5. Receipts are produced
6. Database is updated

Customer

Choice of Laptop, Tablet or Hand Held Scanner

Clerk

Database Server

Inventory Equipment Weapons and Ammunition

Example Physical Architecture

Main equipment property data base severs
Managed by highest level property management office

Intermediate equipment property limited data base sever
Managed by intermediate level property management office

Front line equipment property management
Managed by local clerk

Smartcard   Weapons   Ammo   Clothing   Vehicles

SMARTRACK Configurations

1 PC Based	2 Laptop Based	3 Tablet Based	4 Client Server Based
			Cisio 2900 XL 192.168.1.106

PC Based Hardware/Software

Item	Description	Quantity
Dell Optiplex 920	Intel I7 Quad Core, 8 GB RAM 500 GB HD	1
Dell Touch Monitor U2313	24 Inch Touch USD Wide Angle	1
Dell Key Board and Mouse	QWERTY	1
SCM CAC Reader	SCM 331	1
Topaz Signature Pad	TS 460-HSB	1
Motorola MT2070 Govt 2D Imager	64 GB Memory	1
Motorola MT2070 Charging Base	Power Cables and Dock	1
Motorola 15" Coil Cable	USB 2.0	1
Black Box20 ft Cable Extender	USB 2.0	1
Dell B2360DN Printer	Laser Black and White USB	1
Adata Back Up Device	500 GB 3.0	1
Microsoft Operating System	Windows 7 Pro Windows 8 Pro	1
Productivity Software	Microsoft Office 2013	1
Application Software	SmarTrack 3.0 Asset Tracking System	1
Application Software	SmarTrack 3.0 Advanced Maintenance	1
Pelican Shipping Container	Protective Case	1

Laptop Based Hardware/Software

Item	Description	Quantity
Dell Precision M3800 Mobile Work Station	Intel I7 Quad Core, 16 GB RAM, 512 GB SSD	1
Dell Mouse	QWERTY	1
Dell Docking Station	Smart Dock Expansion Dock	1
SCM CAC Reader	SCM 331	1
Topaz Signature Pad	TS 460-HSB	1
Motorola MT2070 Govt 2D Imager	64 GB Memory	1
Motorola MT2070 Charging Base	Power Cables and Dock	1
Motorola 15" Coil Cable	USB 2.0	1
Black Box20 ft Cable Extender	USB 2.0	1
Dell B2360DN Printer	Laser Black and White USB	1
Adata Back Up Device	500 GB 3.0	1
Microsoft Operating System	Windows 7 Pro Windows 8 Pro	1
Productivity Software	Microsoft Office 2013	1
Application Software	SmarTrack 3.0 Asset Tracking System	1
Application Software	SmarTrack 3.0 Advanced Maintenance	1
Pelican Shipping Container	Protective Case	1

Tablet Based Hardware/Software

Item	Description	Quantity
Dell Venue 11 Pro	Intel I5, 4 GB RAM, 128 GB SSD	1
Dell Keyboard and Mouse	QWERTY	1
Dell Venue Docking Station	Smart Dock Expansion Dock	1
SCM CAC Reader	SCM 331	1
Topaz Signature Pad	TS 460-HSB	1
Motorola MT2070 Govt 2D Imager	64 GB Memory	1
Motorola MT2070 Charging Base	Power Cables and Dock	1
Motorola 15" Coil Cable	USB 2.0	1
Black Box20 ft Cable Extender	USB 2.0	1
Brother PocketJet 6 Portable Printer - 200dpi	Laser Black and White USB	1
SD Card Back Up Device	500 GB 3.0	1
Microsoft Operating System	Windows 7 Pro Windows 8 Pro	1
Productivity Software	Microsoft Office 2013	1
Application Software	SmarTrack 3.0 Asset Tracking System	1
Application Software	SmarTrack 3.0 Advanced Maintenance	1
Pelican Shipping Container	Protective Case	1

Server Based Hardware/Software

Item	Description	Quantity
Dell Power Edge T620	RAID 5 2 TB 32 GB RAM Server	1
Dell Touch Monitor U2313	24 Inch Touch USD Wide Angle	1
Dell Key Board and Mouse	QWERTY	1
SCM CAC Reader	SCM 331	1
Dell Power Back Up	UPS Power Protection and Back Up	1
Cisco Switch	8 Port Switch 1GB	1
Microsoft Operating System	Microsoft Server 2012	1
Microsoft Database	Microsoft SQL Sever 2012	
Productivity Software	Microsoft Office 2013	1
Application Software	SmarTrack Server 3.0 Asset Tracking System	1
Application Software	SmarTrack Server 3.0 Advanced Maintenance	1
Sever Rack	Server Storage Rack	1

Comes with 2 Licenses for Clients

SmarTrack Digital Arms Room And Asset Tracking System

Commander

Supply Room

IT

SmarTrack Database Server

(PBO/SUPPLY)

NBC

Platoons/Sections

Medical

Track and Trace all People, Equipment and Training

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 7 Pro, Windows 8**
- **SMARTRACK 3.0**
- **MSSQLServer**

Installation & Training

- **1 on 1 Instruction**
- **1 week training on site**
- **Data Migration**
- **Bar Coding**
- **Installation**

* See vendor for multi purchase discounts

Product Support

"One Call, One Answer, Problem Solved"

- 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 Tagging

SmarTrack reads:

- **1D Bar Codes**

- **2D Bar Codes**

- **Data Matrix Tags**

- **DOD IUID Tags**

Latest Developments 2014

- **SmarTrack Received CoN from NETCOM**

- **SmarTrack Releases Windows 8 Tablet Version**

Contact Information

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System Capabilities

Heads Up Display

• Expired ETS and DEROS/PCS

• Check Out Status off all equipment and ammo

• 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

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

• Lists required MAL Items, Property Book Info, Personnel Info, checked out items detail, and bulk items tracking

• 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

- **Inventory and Reconcile Property and Sensitive Items Inventories against property books such as PBUSE**

- **Accurate property book of all arms room equipment down to assigned level by team, squad, platoon and company**

- **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 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**

• **Lists all equipment assigned and unassigned that is check out of the system**

Issue & Turn In

- **PIV 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 DEA 13/16/17/Weapons Sign Out Log**

- **Eliminates clerk transcription errors**

- **Speeds the issue & turn-in**

- **Provides historical equipment data**

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 maintenance records**

- **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

- **Automated daily, monthly, property book and command directed inventory**

- **Provides for 100 percent accuracy of all 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, 20 percent 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 systems readiness reports for all equipment**

- **Instantly prints equipment receipts 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 AR 190-11
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

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**

Property Book Interface

- **Fill the SmarTrack database using the Property Book excel export feature**

- **Conduct reconciliation of the monthly inventory between the property book and SmarTrack**

- **Provides discrepancy reports between the two systems**

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 PBUSE 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**

- **Design shipping containers, boxes within shipping containers, scan all items into boxes and assign master barcodes per box**

- **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**

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