



NAVY MAINTENANCE IN ACTION



Process
Improvement
via
Serial Number Tracking



www.snt.navsup.navy.mil



Ready. Resourceful. Responsive!

**MATT MULLINS
CDR, USN
29 OCT 2003**

Time for Maintenance



**E-2 lands after 500 hours flight time
Routine Maintenance Checks and
Check problem reported on Altitude Indicator**

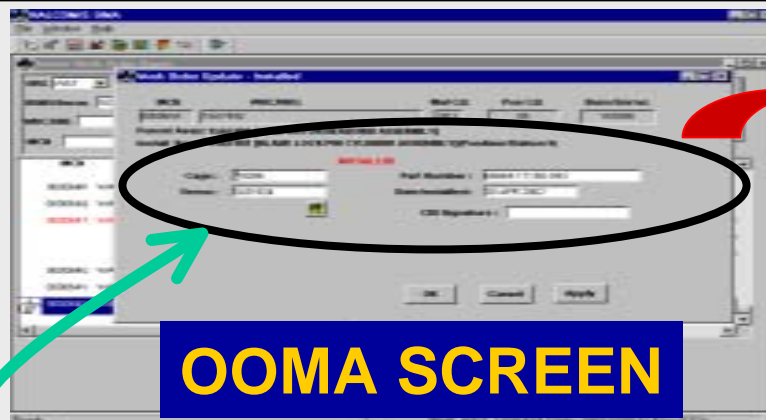
AIT Maintenance Data Collection (OOMA)

AIT Feed



Button
Readers

DownLoaders/Rechargers



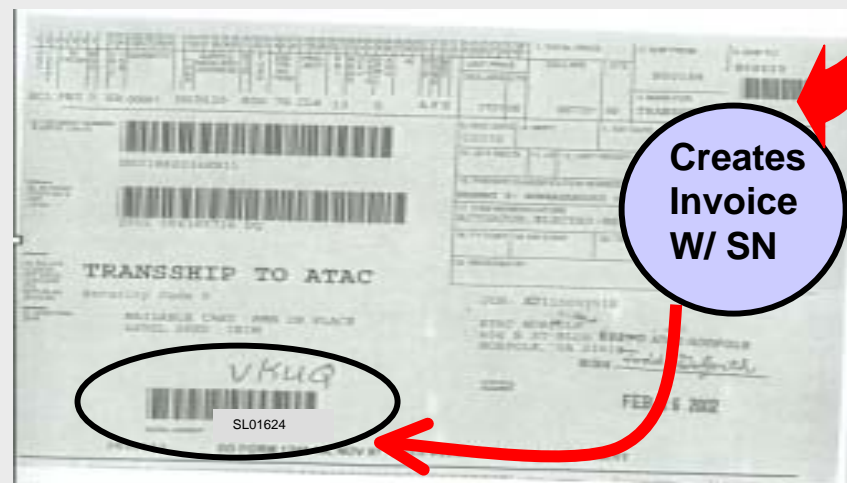
Information System
OOMA/OIMA/
R-Supply

**Output from
OOMA**



Information System
OOMA

**Input to
OOMA**





Retrograde



NAVAL SUPPLY SYSTEMS COMMAND


SNT Web Page

SNTS \ Asset Visibility \ Retrograde - Microsoft Internet Explorer provided by Navy Marine Corps Intranet

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History

Address <https://www.snt.navsup.navy.mil/queries/AssetVisibility/Retrograde/default.shtml> Go Links



Retrograde

Queries | Decision Support | Administration | User Options | Help | Feedback | Log Out

Asset Visibility | Aviation Maintenance | In Transit | Inventory | Shipboard Engineering | Warranty

Search Criteria

Serial Number:

Document Number:

UIC / DODAAC:

NIIN:

Lead TCN:

[<< Back to Asset Visibility](#)

[Submit a Batch Query](#)

Results

[Retrograde Results](#) > Document Number Tracking Detail

[Export to Microsoft Excel](#)

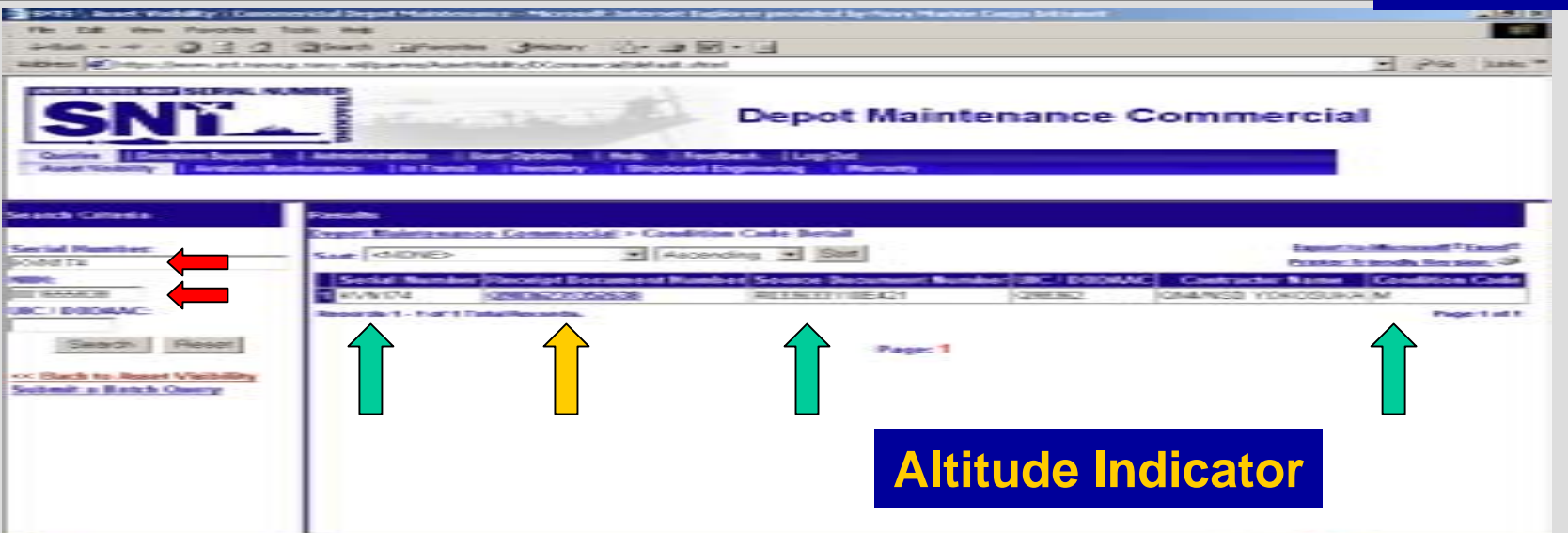
[Printer Friendly Version](#)

	Origin	xShip / ATAC Hub or Node	DOP/DSP
Document Number	R033633110E421	R033633110E421	R033633110E421
NIIN	001655838	001655838	001655838
Serial Number	KVN174	KVN174	KVN174
Quantity		1	1
Condition Code	F	F	F
Activity	R03363 USS KITTY HAWK CV 63	N4179A FISC YOKOSUKA ATAC DETACHMENT	SW3142
Date Received	N/A	28 Apr 2003	28 Apr 2003
Ship To	N4179A FISC YOKOSUKA ATAC DETACHMENT		N/A
Date Shipped		28 Apr 2003	N/A
LTCN	N/A	R033633110E421RXX	N/A
Transportation Mode	N/A	F - Air, Air Mobility Command	N/A
RCDN	N/A	N/A	09836231352638
Signature	N/A		Y.HIGA
(Data Source)	ATAC	ATAC	ATAC/CAV

P/N 501-1049-51 &
CAGE 25583 =
NIIN 00 165 5838
Altitude Indicator

Repair

SNT Web Page



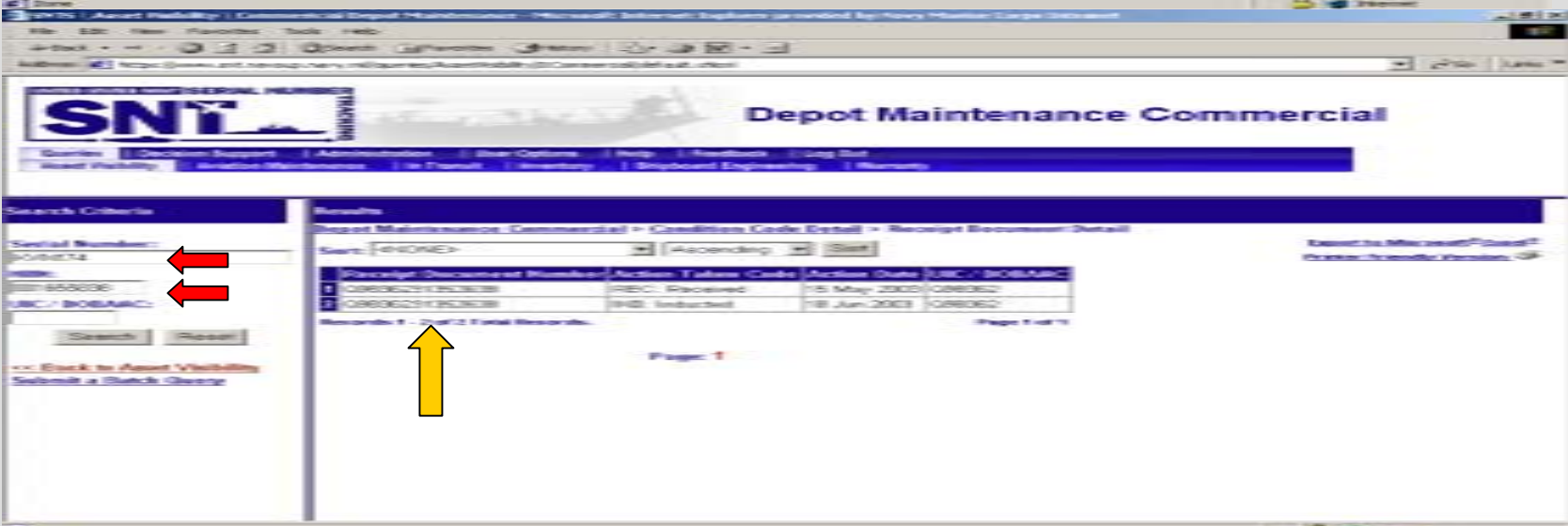
Depot Maintenance Commercial

Search Criteria: Serial Number: 655200, UIC: 8504AC

Results Table:

Serial Number	Receipt Document Number	Source Document Number	UIC / BOMAC	Contract Name	Condition Code
655200	080622000000	REC-000118E01	08062	084750 YOKOSUKA, J	

Altitude Indicator



Depot Maintenance Commercial

Search Criteria: Serial Number: 655200, UIC: 8504AC

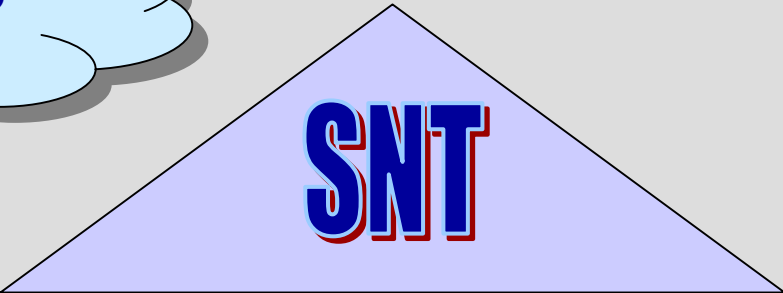
Results Table:

Receipt Document Number	Action Table Code	Action Date	UIC / BOMAC
080622180000	REC. Received	15 May 2000	08062
080622180000	INS. Inspected	18 Jun 2003	08062

SNT Foundation

Implementation

SNT requires two components



FIRST

Live access to databases via the SNT Web-enabled portal.

Data Base Access

WMRIL/A-ORS
eRMS/WMPS
UICP
WEB-CAV
CAV-ORM
CAV-Navy
FACTS
OOMA/OIMA
R-Supply
IBS

AIT

CMB
2D Data matrix
2D PDF417
ISO15418/15434
MILSTD129
MILSTD130
MSL
IRRD

SECOND

Automatic Identification Technology (AIT) is used by SNT to maintain data accuracy.

Asset/Information Flow

Retrieved Data is displayed in SNT results screens

Storage



**INVENTORY
Ready For Issue**

**INVENTORY
Not Ready For Issue**

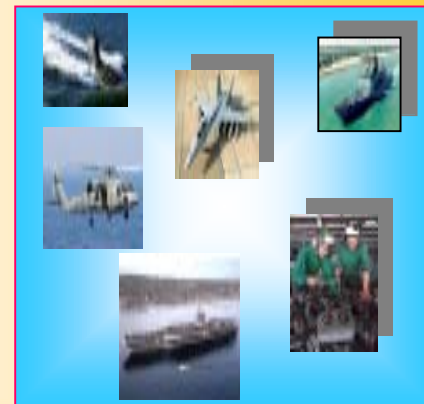
Transportation



System Access

Shipboard

Installed



Web-enabled



SNT System

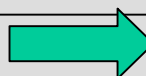
**Depot
Maintenance / Repair**

Organic Commercial
Inter-service

Data retrieved from legacy databases in each category:

- Installed / Shipboard
- Transportation
- Storage
- Repair

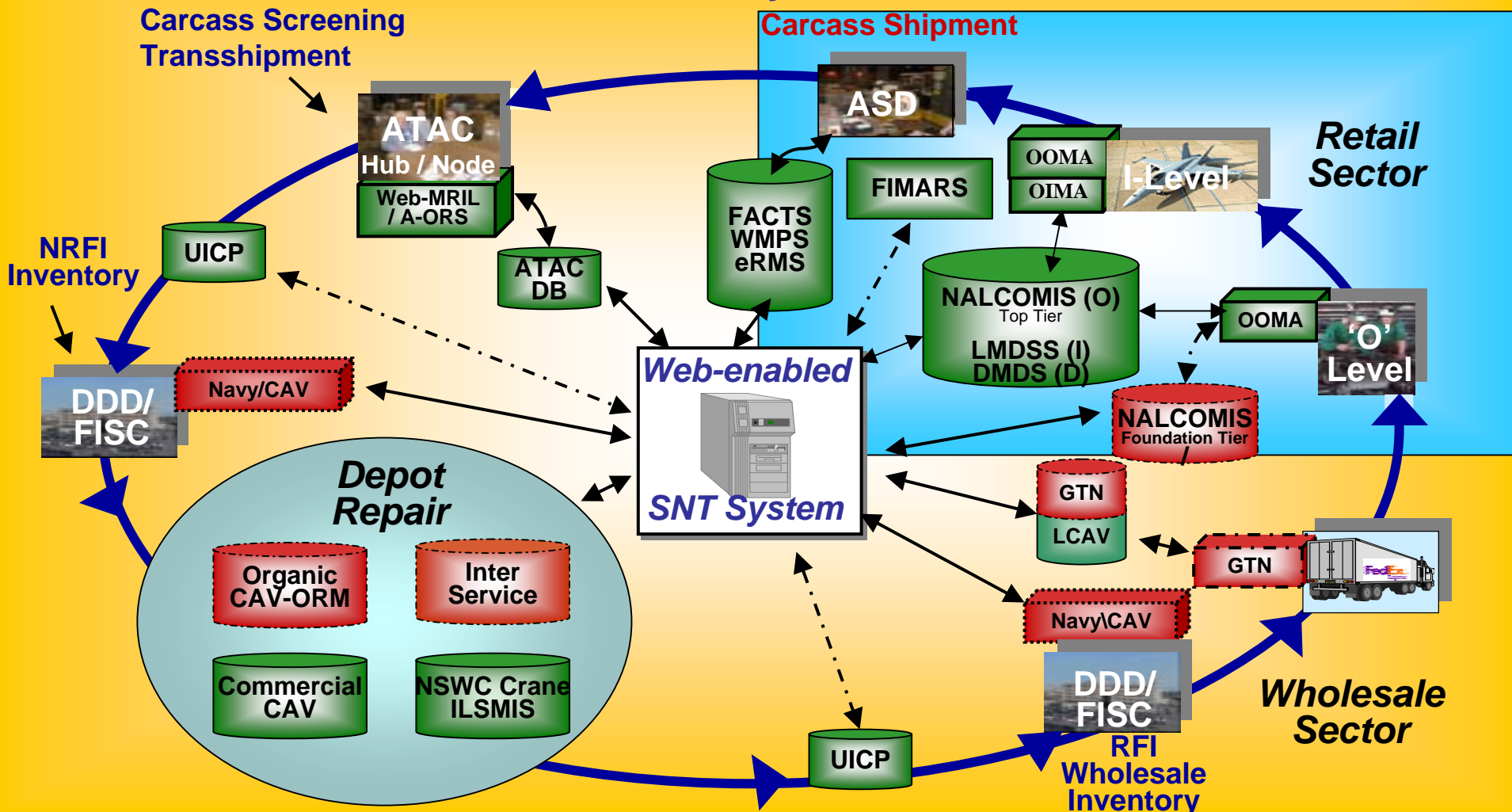
Asset Flow



Aviation Asset/Information Flow

Information Systems

Overview





NAVAL SUPPLY SYSTEMS COMMAND

Installed / In Transit



SNT Web Page

Altitude Indicator

Installed Aviation

Serial Number	Part Number	CAGE Code	CAGE Name	Stock Unit Code	Installation Date	Type	Model	Serial Number
11	104-1115	904-1049-51	20583	51 R/W	15-Apr-2002	E-3C		154433
12	PT00002	904-1049-51	20583	51 R/W	28-Feb-2003	C-3A		152176
13	13855	904-1049-51	20583	51 R/W	17-Aug-2001	E-3C		153693
14	HC2803	904-1049-51	20583	51 R/W	17-Aug-2001	E-3C		155288
15	SLA221	904-1049-51	20583	51 R/W	21-Jul-2001	E-3C		155288
16	DI001086	904-1049-51	20583	51 R/W	14-Jan-2000	E-3C		153693
17	UW0422	904-1049-51	20583	51 R/W	20-Jun-2000	E-3C		155288
18	UW0237	904-1049-51	20583	51 R/W	21-Jul-2000	E-3C		155287
19	PT00002	904-1049-51	20583	51 R/W	20-May-2002	E-3C		153697
20	SC01807	904-1049-51	20583	51 R/W	22-Nov-2001	E-3C		15014527



Retrograde

Serial Number	Part Number	CAGE Code	CAGE Name	Stock Unit Code	Installation Date	Type	Model	Serial Number
11	104-1115	904-1049-51	20583	51 R/W	15-Apr-2002	E-3C		154433
12	PT00002	904-1049-51	20583	51 R/W	28-Feb-2003	C-3A		152176
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19	PT00002	904-1049-51	20583	51 R/W	20-May-2002	E-3C		153697
20	SC01807	904-1049-51	20583	51 R/W	22-Nov-2001	E-3C		15014527



Reliability




SNT Web Page

SNTS \ Aviation Maintenance \ Reliability - Microsoft Internet Explorer provided by Navy Marine Corps Intranet

File Edit View Favorites Tools Help

Decision Support

Address <https://www.snt.navsup.navy.mil/queries/AviationMaintenance/Reliability/default.shtml> Go Links >>



Altitude Indicator Reliability

Queries | Decision Support | Administration | User Options | Help | Feedback | Log Out

Asset Visibility | Aviation Maintenance | In Transit | Inventory | Shipboard Engineering | Warranty

Search Criteria

Serial Number:

Part Number: 501-1049-51

CAGE Code: 25583

Type Model Series:

Search Reset

<< Back to Aviation Maintenance

Submit a Batch Query

S/N 0902

	Serial Number	Part Number	CAGE Code	CAGE Name	Type Model Series	Total BCMs	Total Transactions
82	05466	501-1049-51	25583		F-14B	0	0
83	056	501-1049-51	25583		F-14A	0	0
84	060	501-1049-51	25583		F-14B	0	1
85	062	501-1049-51	25583		F-14A	0	1
86	067	501-1049-51	25583		F-14A	0	1
87	078	501-1049-51	25583		F-14A	0	0
88	083	501-1049-51	25583		F-14A	0	0
89	084KE	501-1049-51	25583		F-14A	0	0
90	085	501-1049-51	25583		F-14A	0	0
91	087	501-1049-51	25583		T-2C	0	1
92	087TLI	501-1049-51	25583		F-14A	0	0
93	089	501-1049-51	25583		F-14B	0	0
94	08946	501-1049-51	25583		F-14A	0	1
95	0902	501-1049-51	25583		F-14A	3	9
96	0902	501-1049-51	25583		F-14B	3	9
97	09034	501-1049-51	25583		F-14A	0	0
98	09231	501-1049-51	25583		F-14B	0	1
99	0930	501-1049-51	25583		E-2C	0	2
100	095	501-1049-51	25583		F-14A	0	0

Records 81 - 100 of 500 Total Records.

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Done Internet

Strong candidate