

Asset Visibility (AV)

Introduction

AV provides the warfighter end to end asset visibility in the DoD logistics operational pipeline. Joint Staff J4, Joint Task Force Commanders, COCOMs, and military services rely upon AV to provide timely and accurate information on the Location, Movement, Status, and Identity of Units, Personnel, Equipment and Supplies. AV provides the ability to act upon that information through access to integrated operational views of wholesale and retail stocks, requisitions, and transportation information to facilitate overall performance of DoD's joint logistics practices in support of COCOM requirements.

AV offers a concise list of predefined queries with the flexibility to tailor the results. Every user also has the option of designing queries through the ad hoc capability.

System Overview

The Asset Visibility data comes from many source systems throughout the military. There are currently over forty sources that are being used. Most are updated on a daily basis using a 'behind-the-scenes' process called ETL – extract, translate, load. The assets tracked in Asset Visibility are broken down into these Functional Areas:

- Bulk Fuel – Information on the on-hand stock levels of the various types of Bulk Fuel (e.g., Jet Fuel, Petroleum, etc.) to include DLA/DESC (wholesale) locations and service (retail) locations. This also includes bulk fuel on board Army and Marine Corps pre-positioned ships.
- Wholesale/Retail Inventory – Information on wholesale and retail assets. This functional area is associated with the asset category of In-Storage and includes all classes of supply.
- Blood Inventory – Information on blood and blood-related products.
- Ammunition – Information on inventory status levels for Army, Air Force, and Marine Corps ammunitions.
- Pre-positioned Stock/War Reserves – Information on Marine Corps (MPS), Army Propositioned assets (APS), and Air Force War Reserve Materiel (WRM) amassed in peacetime to sustain wartime operations.
- Reference Data – Cross-referencing information to enable users to get more information on pre-defined query data.
- Requisition Status – Information on the status of requisitions.
- Transportation – Information on assets in-transit via land, sea, or air moving within the Defense Transportation System (DTS). Assets in-transit through the World Wide Express (WWX) program can be tracked through commercial vendor links attached to the application.
- Unit Equipment – Equipment accounted for and maintained by organizational units at the various services, which is based upon an authorized allowance. This type of equipment consists of Class VII Principal End items and Class II clothing and equipment.

Asset Categories

- In-Storage – In-Storage assets are those assets stored ('on the shelf') at retail consumer sites, at retail intermediate storage sites, at disposal activities, or in

wholesale inventories, to include ashore and afloat pre-positioned assets. In-Storage assets encompass all classes of supply.

- In-Process – In-Process assets are assets on order from the source of supply that have not yet been shipped. These types of assets are at some stage of the procurement process; however, because of potential near-term delivery, they are of great interest to war planners and war fighters.

- In-Transit – In-Transit Visibility (ITV) focuses on the movement of assets (materiel and personnel) from origin to destination. DoD needs to be able to identify the contents of a shipment and monitor movement throughout the asset pipeline (see figure below). In addition, DoD also needs to be able to reconstitute and re-direct shipments. In-Transit personnel queries provide visibility into the status and location of personnel traveling on military aircrafts.

Other Categories:

- Reference – Reference focuses on ‘look ups’ or cross-reference functions and mostly involves static (as opposed to dynamic) data. Reference queries involve various descriptive data on any of the three distance segments of the supply chain (In-Storage, In-Transit or In-Process).

- Total Asset Visibility – Total Asset Visibility (TAV) focuses on the visibility of an asset across the asset categories of In-Storage, In-Process, and In-Transit. Each of these categories contains a discrete set of processes that assets transition into, and out of, as necessary to satisfy user demands.

Accessing AV

To Register for an AV Account:

1. Go to the AV website: <http://www.dla.mil/AV>. See figure below:



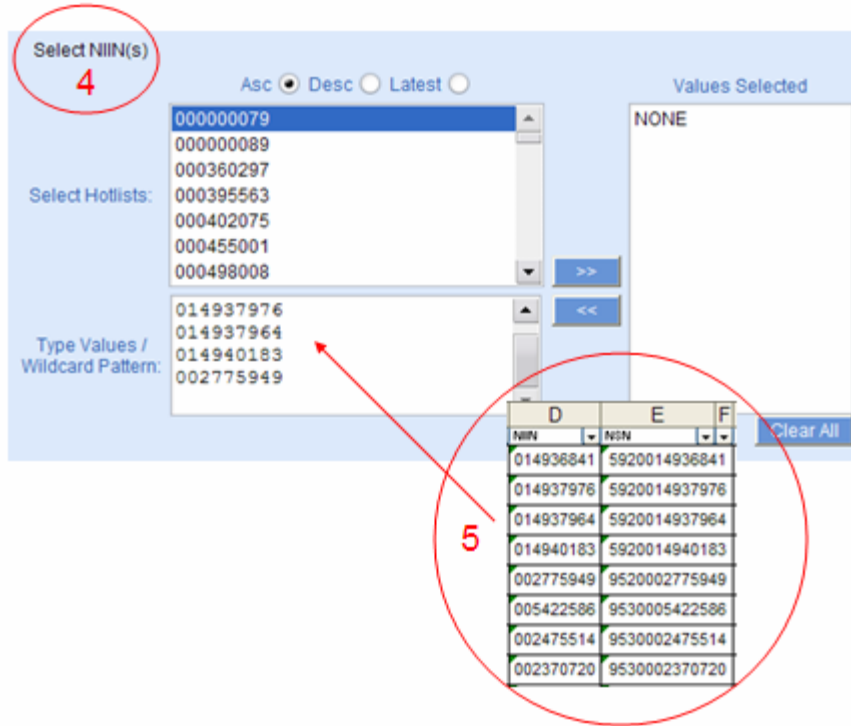
AV provides the warfighter end to end asset visibility in the DoD logistics operational pipeline. Joint Staff J4, Joint Task Force Commanders, CCOOMs, and military services rely upon AV to provide

AV Welcome Page

2. Click on the **Request an Account** link. See the red circled portion of above.
3. The **Request an Account** form will display.

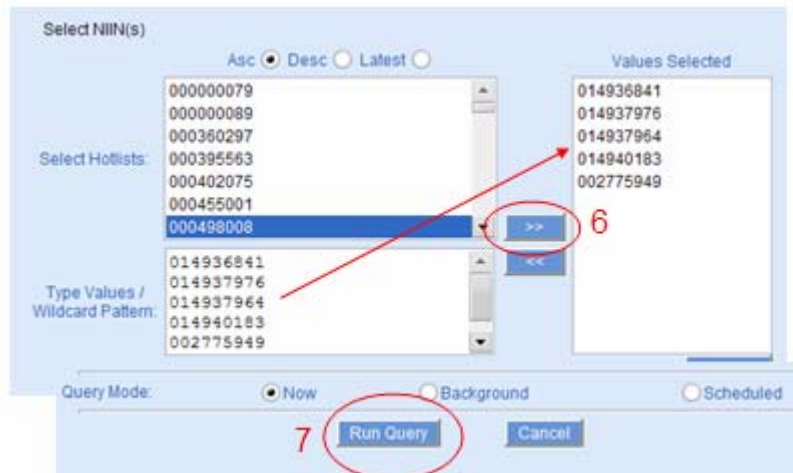
Other Wholesale and Retail Inventory menu

Step	Action
4	Select the menu for NIIN(s) or NSN(s)
5	Enter NIIN(s) manually or by pasting from a text file or spreadsheet in the Type Values box



Other Wholesale and Retail Inventory menu

Step	Action
6	Click on the double set of right hand arrows to move the NIIN(s) into the Values Selected box
7	Now go to the bottom of the page and click on Run Query, Query Mode Now



When running the queried Now, the resulting screen will have inventories reported by all Services and DLA. Information returned also includes data on the quantity(1), condition(2) of the material, location(3), who own it(4), the system that reported(5) and when(6). Queries may also be run in the background or scheduled. Queries can be saved in Excel format or emailed.

1

Service Name	NSN-L SN-NDC-PN	Nomenclature	Unit of Issue	INV Available On Hand Qty
Army	5920014936841	FUSE LINK,ELECTRICAL	EA	0
Army	5920014936841	FUSE LINK,ELECTRICAL	EA	2
Army	5920014936841	FUSE LINK,ELECTRICAL	EA	0
Army	5920014936841	FUSE LINK,ELECTRICAL	EA	0
DLA	5920014936841	FUSE LINK,ELECTRICAL	EA	13
DLA	5920014936841	FUSE LINK,ELECTRICAL	EA	0
DLA	5920014936841	FUSE LINK,ELECTRICAL	EA	11

Supply Condition Code	Storage RIC	DODAAC	Class of Supply	SCMC	Inventory Type Description	Source System Name	Record Last Update
A	W0V	W91J8U	9	9G	WHOLESALE	LIDB	2007/01/02 02:55:40
A	W1E	W91XPB	9	9G	WHOLESALE	LIDB	2007/01/02 02:55:40
		W91RH2	9	9G	WHOLESALE	LIDB	2007/01/02 02:55:40
		W91TG1	9	9G	WHOLESALE	LIDB	2007/01/02 02:55:40
		W25G1U	9	9G	WHOLESALE	BSM	2006/12/22 20:10:15
		W62G2T	9	9G	WHOLESALE	BSM	2007/01/29 17:48:01
		SW3109	9	9G	WHOLESALE	BSM	2007/01/29 17:48:01

[Edit](#) [Save](#) [Send](#) [View in PDF Format](#) [Add to My AV](#)

Expiration Date	Ownership Code	Purpose Code	COG Code	C
		A		

Follow these steps to perform a **Status** check.

Step	Action
1	Click on Home located on the AV toolbar
2	From the resulting Public Query screen, look for In-Process
3	Look for in-Process and click on Requisition Status
4	Select/click on IPREQ001-Requisition Transaction History

1 Home | My AV | My AV Account | AV Training
 Login: 1 Hours 44 Minutes ago

2 Public Queries
 Access queries available to you and other users.

3 In-Process
 Requisition Status
 Requisition Summary

In-Storage
 Ammunition
 Blood Inventory
 Bulk Fuel
 Wholesale and Retail Inventory
 Positioned Stock
 Equipment

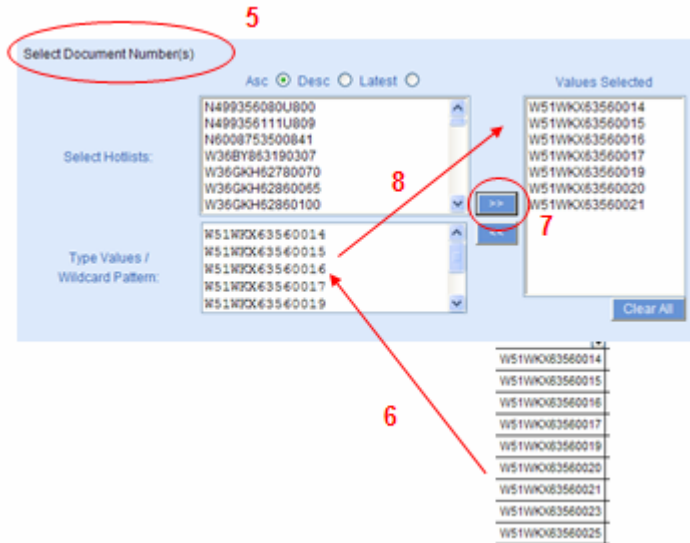
Requisition Status
 Public Categories > In-Process > Requisition Status

1 Query(s) in Requisition Status [View Details](#) [Add to My AV](#)

IPREQ001-Requisition Transaction History

IPREQ001-Requisition Transaction History

Step	Action
5	Look for the Select Document Number(s) menu
6	Enter requisition number data from typing or pasting from a text file or spreadsheet into the Type Values box
7	Click on the double right hand arrows
8	Data has now moved to the Values Selected box and Run Query



The resulting page will provide many columns of data which provides a history of everything that happened with a document number to include who and when a document was processed and the current status. If a TCN is available, click on it for additional status. All AV responses may be saved, printed or emailed.

DODAAC	Document ID Code	Document Number	Suffix	Demand Code	NSN-LSN-MDC-PN	Nomenclature	Transaction Qty	Unit of Issue	IBC	Request Status Cl
W51W0K	AE1	W51W0K3560014			5920014936841	FUSE LRK/ELECTRICAL	2	EA	AJ2	BR
W51W0K	AE3	W51W0K3560014			5920014936841	FUSE LRK/ELECTRICAL	2	EA	SMS	BA
W51W0K	ADA	W51W0K3560014		R	5920014936841	FUSE LRK/ELECTRICAL	2	EA		
W51W0K	AS2	W51W0K3560014			5920014936841	FUSE LRK/ELECTRICAL	2	EA	SMS	
W51W0K	DSU	W51W0K3560014			5920014936841	FUSE LRK/ELECTRICAL	2	EA	AJ2	
W51W0K	DRA	W51W0K3560014			5920014936841	FUSE LRK/ELECTRICAL	2	EA	SMS	

Requisition Date	Required Delivery Date	Referral Indicator	Transaction Date	Est Ship Date	Date Shipped	Date Received	Mode Code	TCN	Unit Price	Extended Price	Source System Name	Record Last Update
2006/12/22		No	2006/12/22						\$8.52	\$17.04	SOMA	2006/12/24 08:58:41
2006/12/22		No	2006/12/22						\$8.52	\$17.04	SOMA	2006/12/24 08:58:41
2006/12/22	010	No							\$8.52	\$17.04	SOMA	2006/12/24 08:58:42
2006/12/22		No			2006/12/23		S	SW322463570187XXX	\$8.52	\$17.04	SOMA	2006/12/24 08:58:43
2006/12/22		No				2006/12/27			\$8.52	\$17.04	SOMA	2006/12/27 14:48:18
2006/12/22		No				2006/12/27			\$8.52	\$17.04	SOMA	2006/12/28 09:27:32

TCN	RF Tag Status	Status	POE Code	POD Code	In Bound Location	Outbound Location	Consignee DODAAC
SW322463570187XXX		Departed 2006/12/23 21:00 Z 875640				875640	W9046W

Consignee Unit Name and Address	Consignor DODAAC	Consignor Unit Name and Address	UIC	ULN	Bill of Lading	Lead TCN	Project Code	Total Pieces	Total Weight
XR W46G TACOM ROCK ISLAND DO NOT SHIP TO THIS DODAAC CALL DSN 793-8271 OR (309) 782-8271 FOR DISPOSITION INSTRUL 61299-7630					599131J2				

Creating Hotlists

There are two types of hotlists, named and unnamed.

Named Hotlists - Named hotlists are provided to give the user fast access to specific values, or sets of values, to populate prompts/queries. For example, if you are responsible for tracking Requisition Status for the following DODAACs: W66XX9, W66XX8, W66XX7, W66XX6, and W66XX5. Rather than having to enter each of these prompts every time you want to run the Requisition Status History query, you might want to create a named hotlist that incorporates all of them.

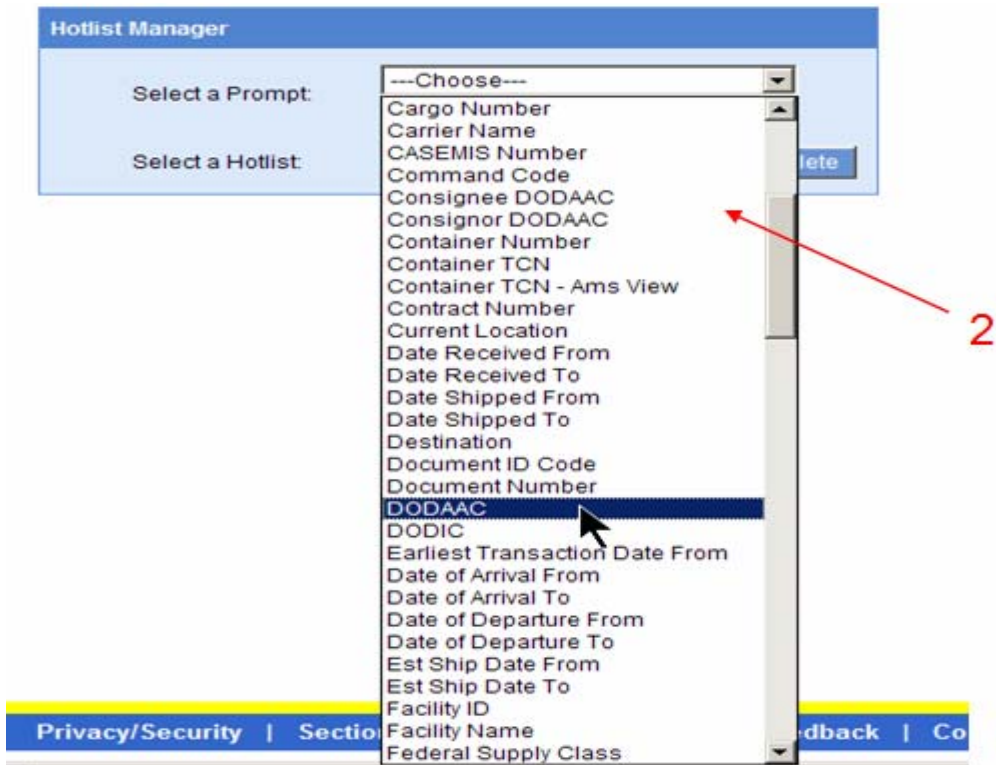
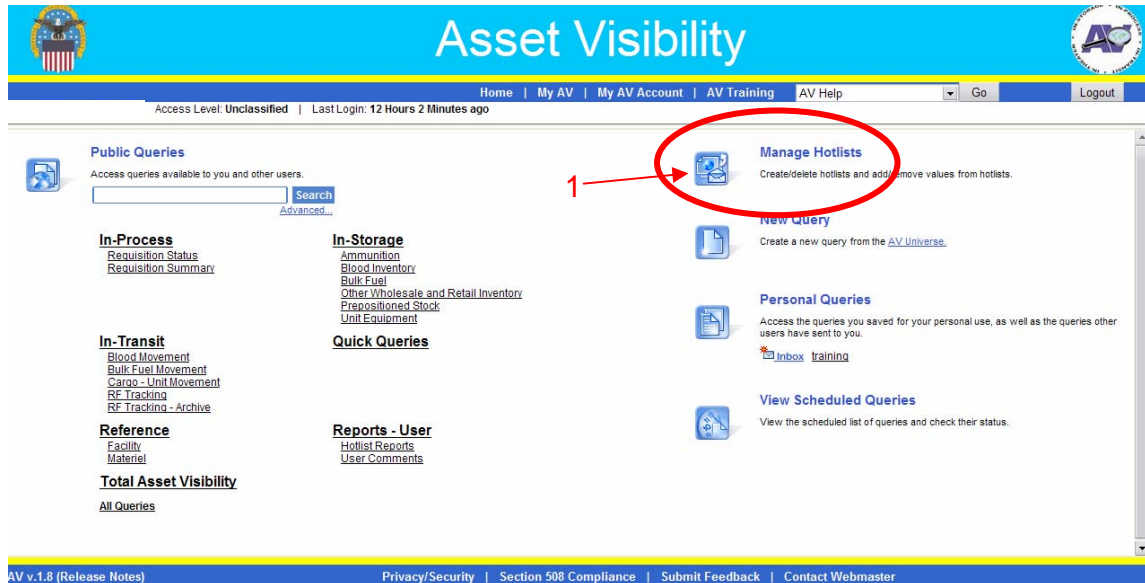
Unnamed Hotlists - Each time a value is entered into the Type Values/Wildcard Pattern text box it is added to that prompt's "Unnamed Hotlist". Then when the user returns to the prompt those values will be displayed in the Hotlist for ease of entry.

Example	
1	Named Hotlist "1-555" includes multiple values
2	Values in the Unnamed Hotlist

The screenshot shows a software interface with a light blue background. At the top left, it says "Select DODAAC(s)". Below this are three radio buttons for sorting: "Asc" (selected), "Desc", and "Latest". To the right of these is a "Values Selected" box containing the word "NONE". Below the sorting options is a list box labeled "Select Hotlists:" containing the following items: "[1-555]", "R20865", "V21879", "W51WKX", "W68SH9", "W81ALT", and "W906RK". A red arrow labeled "1" points from the "W51WKX" item in the list box to the "Values Selected" box. Below the list box is a text input field labeled "Type Values / Wildcard Pattern:". A red arrow labeled "2" points from this text input field to the "Values Selected" box. To the right of the list box and text input field are two blue buttons: ">>" and "<<". At the bottom right of the interface is a "Clear All" button. At the bottom left, it says "Select NIIN(s)".

Follow the below steps to create a “Named Hotlist”.

Step	Action
1	On the Asset Visibility Home Page, click on Manage Hotlists.
2	Click the down arrow in the ‘Select a Prompt’ drop down menu. The complete list of prompts that can be hotlisted will display. Click the prompt for which you want to create a named hotlist. In this example we will use DODAAC.



Step	Action
3	Click the add button
4	Enter a name for the new hotlist
5	Enter desired values you want to populate the hotlist
6	Click on the double right hand arrows
7	Click on Save Hotlist

Hotlist Manager

Select a Prompt:

Select a Hotlist:

3

Hotlist Manager

Select a Prompt:

Select a Hotlist:

Add / Edit Hotlist

Hotlist Name: **Named Hotlists are limited to 999 unique values*

4

List of Values

- W66XX9
- W66XX8
- W66SH7
- W66SH6
- W66SH5

Count: 5

>>

<<

Selected Values

- W66XX9
- W66XX8
- W66SH7
- W66SH6
- W66SH5

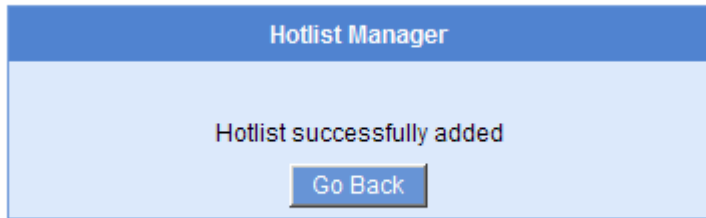
Count: 5

5

6

7

Step	Action
8	A hotlist successfully added dialog box will appear informing you the hotlist has been added



Example result:

As you can see in the example below a new hotlist has been added to the DODDAC prompt named 2-555 Inf Bn. When a user selects the new hotlist and clicks the double right arrow all 5 DODAACs are added to the Values Selected box.

