## Document Changes

<table>
<thead>
<tr>
<th>Document Version and Release Information</th>
<th>Date</th>
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<tbody>
<tr>
<td>1.0</td>
<td>7/11/2011</td>
<td>First publication of stand-alone Sample Searches Guide. Previously the samples searches information was part of the Haystack User Reference Guide. This publication includes added information about Electronic Components from the 3.12 release. FLIS search screen captures have been updated.</td>
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<tr>
<td>2.0</td>
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<td>Updated FLIS search to include ISC in FLIS/TIR Results.</td>
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Sample Searches

The following sample searches document basic procedures for performing a search in the Core databases, which include FLIS, Procurement, Vendor/CAGE, Other, Army, Air Force, Navy, and Marine databases. Data in the Sub-databases are cross-referenced in these databases. For definitions of sub-database content, refer to the Sub-Databases section. For additional information, refer to the Haystack Gold online help (About > Online Help to view Online Help Topics, Index, and Glossary).

FLIS

The Federal Logistics Information System (FLIS) data is the Federal Supply Catalog, which is comprised of the following databases in Haystack:

- Federal Logistics Information System, Parts 1, 2, 3 (FLIS)
- Management List - Consolidated (ML-C)
- Federal Supply Classifications Handbooks (H-2)
- Commercial Activity Government Entity Handbook (CAGE)
- Federal Item Name Directory (H-6)
- Characteristics Data (V-Segment)
- Interchangeability/Substitutability Data
- Major Organizational Entity Rules (MOE)

FLIS Search Components

The simple search fields on the FLIS search page are Part Number, NSN/NIIN, Item Name, CAGE Code(s) and Vendor Name. In addition, the page provides advanced search filters.

The Advanced filters include:

- **PID keywords** - Product Item Description (PID) keywords search an assortment of technical characteristic information as well as additional approved manufacturers/part numbers, drawing numbers, and military specification references. Over 4 million NIINs in the FLIS database have PID information associated with their records. The sources for this descriptive information are the four hardware DLA centers: Defense Supply Center Richmond (DSCR), Defense Supply Center Columbus – Construction (DSCC-C), Defense Supply Center Columbus – Electronic (DSCC-E) and Defense Industrial Supply Center (DISC).

- **PID Specs** - Enter criteria in this field to search across Product Item Description Specification documents.
• **AAC** - The Acquisition Advice Code (AAC) indicates how (as distinguished from where), and under what restrictions, an item is acquired. Use the pull-down menu to select an AAC code.

• **RNCC** - The Reference Number Category Code (RNCC) specifies the relationship of the part number to the Item of Supply. The codes and their definitions are derived from the Department of Defense DIDS Manual.

• **Navy COG** - The Cognizance symbol (COG) is a two-position prefix used by the Navy to provide supply management information. The first position is a single-number code that identifies the storage account. The second position is single-letter code that identifies the inventory control point (ICP) that has control of the material. The inventory managers may be Navy or Defense activities.

• **Navy SMIC** - The Special Material Identification Codes (SMICs) are used to indicate unique applications, reporting segments, specialized distribution, etc., for logistics management purposes. Codes must be authorized by NAVSUP.

• **Army AMCC** - The Army Management Control Code (AMCC) is used for Army-managed items. Positions 4 and 5, together of the Management Control Code for the Department of Army items, identify a specific weapons system/end item or homogeneous group of items.

• **AF MMAC** - The Air Force (AF) Material Management Aggregation Code (MMAC) searches positions 4 and 5 of the Air force Material Management Aggregation Control Code field. Positions 4 and 5 designate the AF MMAC. This two-digit code identifies specific items (NSNs) to be managed by a specific manager. These codes apply to systems, programs, selected Federal Supply Class, and Aggregation to related equipment.

• **Technical Characteristics Free-form Criteria** - You can enter 5 different sets of criteria that are applicable to the item you are looking for, which can include various functional, electrical, and physical characteristics, manufacturer's data, special notations, or narrative descriptions that uniquely identify equipment and components.

• **Drill-Down** - Use the Drill-Down search feature to "drill-down" through the list of Technical Characteristics for the item you are searching and add those characteristics to your search.

• **Results Limit** - This option sets the number of hits returned with every search you perform.
FLIS NIIN Search

1. Go to the Database menu and select FLIS/TIR.

2. In the NSN/NIIN field, enter 005347553, and then click Search.

A Details/Summary window displays the NIIN record.
**Details/Summary Components**

A Details/Summary page includes:

**FLIS Header (Segment A)** – This is the Item Identification Data used by the FLIS. Segment A data includes all of the codes listed in this panel. If there is not a code associated with the type of data, it is either unavailable or not applicable. For a definition of these acronyms, see the *Glossary* section of this guide. (Note that DEMIL Int. Code is an additional field code added with the 3.5 release of Haystack Gold (08/2009))

**Master Cross Reference List (MCRL)** – This data provides cross-reference information from reference numbers to NSNs. MCRL data includes all of the codes listed in this panel. If there is not a code associated with the type of data, it is either unavailable or not applicable. For a definition of these acronyms, see the *Glossary* section of this guide.

**Management-List Consolidated (ML-C)** – This data is a consolidated, cumulative listing of NSNs for all branches of the armed services. Each NSN is listed one time only. The integrated material manager and service or agency is listed separately. The ML-C is a tool used for determining management data applicable to items used or managed by other military activities. The ML-C information is included in Navy or DoD approved CD-ROM technical research publications. For a definition of these acronyms, see the *Glossary* section of this guide.

**FLIS NIIN search with associated QPL/QML from the QPD Database**

When you search with a NIIN and an associated QPL/QML from the QPD Database is available, you have further search refinements to focus on the information you are seeking.

1. Go to the **Database** menu, and then select **FLIS/TIR**.

2. In the **NSN/NIIN** field, enter **002247218**, and then click **Search**.
The Details Summary page displays the 13-digit NSN 5930-00-224-7218 that includes the 00-224-7218 NIIN with the related Part Numbers. The note under the Detail Summary header advises that “This NIIN was also found in the following databases.”
3. Click the **QPD** link.

The QPD Display identifies the QPL-12285 and carries through the NIIN you entered as your original search criteria. Results are filtered showing only the products only associated with that NIIN rather than all 700,000 results possible.
When you click one of the CAGE Codes displayed, the link takes you to the CAGE Code table at the bottom of the page and highlights the selected CAGE Code in red.

You can remove the NIIN refinement by clicking the **Clear All Refinements** button, and you can do further refinements using the refinement fields for Government Designation, NIIN, Manufacturer’s Designation, Manufacturer’s Name, and CAGE Code above each column in the results table and clicking the **Refine Products Within This QPL** button.

**Note:** If you refine your results with a Manufacturer’s Name, enter entire words rather than wild cards. Otherwise, you may receive a message that the system has timed out. You also have the option to find the associated CAGE Code and Company Name in the CAGE Code results table at the bottom of the page. You can copy and paste—or manually enter—the CAGE Code into the CAGE Code refinement field to quickly filter for results that give you the Manufacturer’s Name.

**Tip:** The Export Product List Data button exports your product list to a delimited text file or an Excel spreadsheet with an organized and readable layout and headers.

For users with Excel 2007, you may see an alert pop-up when opening the file. Click **Yes** and continue.
Tailor Button

The Tailor button is an “abridged” batch that creates a report. The report is available only as long as you are logged into Haystack Gold. Once you log off, the report is only accessible if you have saved it to your desktop.

1. Perform a FLIS Search on pulley assembly by enter pulley assembly in the Item Name field, and then click Search.

2. Click NIIN 00-7657652 in the results list. The Details Summary page is displayed.
3. Click the **Tailor** button. The Tailored Report Settings screen is displayed.

![Tailored Report Settings Screen]

4. On the Tailored Report Settings screen, enter a **Title** for your report (optional), a **Description** (optional), an **Output Name** (optional, but if you don’t enter a name, the system will apply a generic name), select an **Output Format** type, and select **None** as an **Archive Type**. (None produces an .xls file and PKZIP Compression produces a .zip file. If you know your report will have more than 65,000 lines of data, select PKZIP Compression.)

5. Click **Get Report** and when the report is finished, click the file link.

**Note:** You will receive a series of status reports through Tailored Report Delivery while Haystack prepares your report, and then notifies you that the report is ready for download.

**Important Note:** If you click the link and view an .xls file in MS Excel, use your Browser’s **Back** button to return to the Tailor Report Delivery dialog box with the link to your report; otherwise, you will close the entire Haystack Gold application. To return from the Tailor Report Delivery dialog box to your results list, click the **Back To Brief** button in the top navigation bar.
Quick Report Button

A Quick Report allows you to view an onscreen default FLIS report of the NIIN data or view it onscreen as a PDF. If you select to view a PDF, you can save a copy of the report to your desktop, print it, or email it to someone using the Adobe Acrobat Reader menu options. You can also select your own datasets to view in a report.

1. Perform a FLIS Search on NIIN 00-510-8306 and on the Details/Summary page, click the Quick Report button.

2. Leave the default datasets selected, and at the bottom of the Custom NSN/NIIN Report screen, click the Display/Print Report button.

A report is displayed with a NSN Information, MCRL Information, ML-C Information, Major Organizational Entity (MOE) Data, Current Procurement History Information, and Vendor Information for CAGE number 79318.

Note: ML-C Phrase Statements and Technical Characteristics as listed in the ILS are not available.

3. To create a report with datasets you want to include other than just the defaults, click the Back To Summary link, click the Quick Report button again, and then select the check boxes for the datasets you want. Click on the Display/Print Report button. To reset the check boxes to a default report, click the Default Report button.
4. If you want to view the report as a PDF, click on the PDF button on the report screen and the report opens with Adobe Acrobat Reader. Click your Browser’s Back button to return to your Haystack report screen. If you click the close (X) button, it will log you out of the application.
**FLIS Part Number Search**

1. On the FLIS/TIR main search window, type in **2468** in the **Part Number** field, and then click the **Search** button.

![FLIS Part Number Search](image)

The results are 12 NIINs that are associated with some form of part number 2468. The result information contains columns for FSC, NIIN, ISC, Item Name, Part No., CC, VC, CAGE, Company, and the latest ML-C Price.

![FLIS Part Number Search Results](image)
2. Click **NIIN 00-902-2019** (Transmission Shaft) to view the Segment A, MCRL, and ML-C data for this NIIN and item.

3. Click **Back To Brief**, and for NIIN 00-902-2019, click the **P** button to view the Procurement History for this item; click the **T** button to view the Technical Characteristics for this item; and click the **C** button to view the CTDF PID/PSDT information for this item.

4. Click **44408** to view the **CAGE** information for this item.

5. **Notes**: (1). The **G** button is grayed-out because there is no Government Solicitation that is currently active for this item. (2). A **RED** square indicates that the NIIN is a Historical/Obsolete NSN and that the record has been deleted from the DLA Logistics database. (3). A **GREEN** square indicates that the item is a design/source reference item based on a RNCC of 3 and a RNVC of 2. (4). If you want to sort your results list by a specific column, click the **BLACK** square for that column. For example, to sort the list by CAGE codes, click the black square in the CAGE column heading.
Procurement History Search

1. Go to the Database menu, and then select Procurement History.

2. Enter 014671008 in the NIIN field, and then click Search.

Your results list has 4 records.

3. Click the first NIIN in the list to view Segment A information, MCRL data, which lists alternate vendors, and ML-C data, which displays the item’s base price of $2561.22.

4. Click the Back To Brief link to return to your results list, and then click the SPO76001V8511 Contract Number to display the mailing and billing information from the DODAAF for this contract number.
   
   Note: SP0760 is the Activity Address Code in the Department of Defense Activity Address File (DODAAF).

5. Click the Back To Brief link to return to your results list, and then click on the first S9C link in the SOS column to view the source of supply code definition for this contract.

6. Click the Back To Brief link to return to your results list, and then click on the first CAGE link to view information for the company associated with this procurement. This link provides the Expanded Supplier Profile (ESP), which is a view of the selected record that seamlessly integrates DLA CAGE (H4/H8), Central Contractor Register (CCR), SBA’s Vendor Profile, and data extractions from the Parts and Supplier Databases such as Historical Contract Award History Summaries, Federal Supply Classes (FSC), Weapon System / End Item Categories, and SIC/NAICS Codes.
Vendor/CAGE (H4/H8)

1. Go to the Database menu, and then select Vendor/CAGE (H4/H8).

2. Enter Northrop in the Company Name field, and then click Search.

3. Your results list has more than 500 records for Northrop companies. To refine our search, click the Back to Search button and enter CA in the State field, and then click Search. Your search is now down to 114 records.
4. Click **OOUR3** in the **CAGE** column. An Expanded Supplier Profile (ESP) page is displayed which is a “snapshot view” of the Northrop Intl Aircraft Inc. division in Hawthorne.

5. Click the **Back To Brief** link to return to our results list, and then click on **06892** in the **Assoc.** column. This links you to another profile page of the parent division of Northrop Grumman Mission Systems, the Northrop Grumman Systems Corporation in Los Angeles.

6. In addition to the basic company information, the ESP page shows that **153 NSNs** and **162 parts** records are in the FLIS database and **0 NSN** records are in the Procurement History database in association with CAGE 06892. In the panels at the bottom of the ESP page, Northrop Grumman Systems Corporation is supported in **5 different FSC categories** and **5 different weapon systems**. The green plus sign icon allows you to view the top 25 categories for either FSC or weapon systems.
Government Solicitations

Note: Because solicitations constantly change, this exact sample search may or may not be available. You can change the date to a more recent date and you can then click on any solicitation number to see a similar example. Also note that you can enter a Solicitation Number with or without dashes and obtain the same results.

1. Click the Database menu, highlight Other Databases, and then click Gov Solicitations.

2. Click the drop-down menu (arrow) for the Issue Date field, and then select From to view a date range for the issuance of solicitations.

3. Place your cursor in the blank field next to Issue Date and enter 06/01/2009, and then place your cursor in the next blank field and enter 07/31/2009.

4. Click the drop-down menu for Closing Date, and then select Up To to view issued solicitations that have not yet closed.

5. Place your cursor in the blank field next to Closing Date and enter 08/31/2009, and then click Search.
6. On the **Government Solicitation/RFQ Brief Listing** screen (results list), click on solicitation number **2009-159**, which is a wheel valve.

7. On the Solicitation screen, click the **Browser** icon to view a detailed synopsis of the solicitation.

**Important Note:** The detailed synopsis does not open in a secondary window. You must click your Browser’s **Back** button to return to the solicitation brief. If you close the detailed synopsis window, you will close the entire Haystack application. If you want to force a new browser window to open, hold the **Shift** key down while clicking the link.

8. Click the **FSC code 4820** for a definition of that code.

9. Click **NIIN 01-287-3963** to view FLIS data.

10. If your solicitation includes a link to **View TechDocs** on the **Government Solicitation/RFQ Brief Listing** screen, you can find additional drawings and technical documentation. See **cFolders Capabilities**, next.
cFolders Capabilities

You can find additional drawings and technical documentation associated to an open solicitation by using the cFolders link.

Background

Haystack Gold now provides users with a link from the Government Solicitations display screen to technical documentation packages available from the DLA Internet Bid Board System (DIBBS). These technical documentation packages include additional material, such as manufacturer’s drawings. The details below provide you with step-by-step instructions on accessing this additional information.

Notes on the New Capability

- The technical documentation will be available on DIBBS so long as a solicitation/RFQ is open.

- To access technical data, you must have an active DIBBS account. For further information on accessing cFolders, please visit https://www.dibbs.bsm.dla.mil/Refs/TechData/.

- Drawings posted in cFolders are in JEDMICS format. You must have a JEDMICS or C4 file viewer to view the content. There are a number of applications available that will display JEDMICS drawings. Examples include
  - CPC View/CPC View Lite.
  - LGS LT Viewer (available for purchase on GSA Schedule).
  - Trix Systems JEDMICS and C4 viewers.

Please note that IHS does not endorse any of the aforementioned companies nor makes any specific recommendations on their software.
To access cFolders from within Haystack Gold

1. Click Database, highlight Other Databases, and then click Govt. Solicitations.

2. Enter SPM4A6-09-T-EM90 in the Solicitation Number field, and then click Search. The Government Solicitation RFQ Brief Listing page is displayed with search results.
3. Select the desired solicitation from the list.

4. Click the View Techdocs link.
5. When prompted, provide your cFolders credentials (User Name and Password).

Once you have logged into cFolders, the system automatically searches for the solicitation you were viewing in Haystack and presents the results.

6. To view technical documents associated with the solicitation, click the **Material Group Number** link on the Defense Logistics Agency screen.

If there are multiple categories of technical documents, you see them listed on the page presented. Technical documents could include drawings, standards, and other information associated with the solicitation.
7. To view the available technical drawings, click the **Drawings** link.

8. To view a document, click the appropriate **Document** link.
9. Click the additional **Download** link, which is presented once a drawing has been selected. The drawing will either open or be downloaded to your system.
If you have a JEDMICS drawing viewer, the drawings will open in that application.

Note: The drawings are in JEDMICS C4 format and require that you install a viewer to display the content correctly. There are a number of applications available that display JEDMICS drawings such as CPC View/CPC View Lite (http://jedmics file-viewer.com/).
**FAA PMA**

1. Click **Database** menu, highlight **Other Databases**, and then click **FAA PMA**.

2. Enter **Lockheed** in the **Manufacturer** field and **valve assembly** in the **Nomenclature** field, and then click **Search**. Your results list includes 4 records that list Lockheed as the Manufacturer. The information includes the Aircraft Type associated with the valve assembly, who holds the PMA certification, the part number, and a link to more details about the PMA.

3. Click the **Details** link for the first item to view more information about the PMA Holder, which is E-Systems.

4. Click the **Back To Brief** link to return to the results list.

5. Click the part number **157205** to view the cross-referenced information in the FLIS database. This will show you what other companies and related NIINs exist in the FLIS database.
6. Click the blue Procurement History button for Lever,Remote Con (top of the list) on the FLIS/TIR results screen to link to a procurement history archive for E-Systems (second image). This information includes contract dates, contract numbers, and the price E-Systems received for the brake valve assembly.

![Procurement History Table](image)

7. Click your Browser’s Back button to return to the results list.

8. Click the NIIN **00-325-1920** for E-Systems to view Segment A, MCRL, and ML-C FLIS data for part number 15720-5.

### Procurement History: Military Sealift Command

1. Click the **Database** menu, highlight **Other Databases**, and then click **ProH: Mil. Sealift Cmd**.

![Procurement History Search](image)

2. Enter **Lockheed** in the **Company Name** field, and then click **Search**.

Your search returns only one record, indicating that this is the latest contract between Lockheed Martin and the Military Sealift Command. The information includes the contract and order number, purchase date (Action Date), fiscal year of the purchase and the amount the Military Sealift Command paid Lockheed for the purchase.

![Procurement History Brief](image)
Procurement History: Individual Contract Action Report Search (ICARS)

1. Click the **Database** menu, highlight **Other Databases**, and then click **ProH: ICARS**.

2. Enter N3198001P2186 in the **Contract Number** field, and then click **Search**.

![ICARS Search Results](image)

The results list one report record.

3. To view details about the contract, click the **Contract #** link. Details include the soliciting agency and contractor information, and miscellaneous contract information. It is similar to the Government Solicitation synopsis information.

Underlined text is a link to definitions for the codes. Underlined code links are definitions for just that code.
Manufacturer Drawings

1. Click Database menu, highlight Other Databases, and then click Manufacturer’s Drawings.

2. Enter 00534% in the NIIN field, and then click Search. The results list has 119 hits for available drawings based on NIINs. **Note:** The percent sign (%) wildcard was used in this example to demonstrate how you can search for something specific, such as an arming wire assembly when you are not sure what the NIIN is or how the item will be searched.

3. Click the View Document link for drawing number 14-26108, Detail Drawing type. A PDF image displays, allowing you to manipulate, zoom, print, or save a copy of the image.

4. Click your Browser’s Back button to return to your Haystack report screen. If you click the close (X) button, it will log you out of the application.

5. Click the CAGE code link for drawing number 14-26108, Detail Drawing type to view an Expanded Supplier Profile for Northrop Grumman.

Some drawings have certain restrictions, or you may have a View Document link; however, if a drawing is not available, you will get the following message:

“This Drawing is currently unavailable because of one or all of the following reasons:

a) There is no Active Solicitation on the selected NIIN.

b) The document is only identified within the CTDF Data but may be proprietary.
c) You may need to contact the activity identified by the RNAAC.”

The Drawing Types are:

- **Standard** – Indicates the drawing comes from a specific standard and this type of drawing may be used, for example, for procurement or identification purposes.
- **Specification** – Indicates that this is the drawing’s specification, which includes the detailed drawing.
- **Detailed Drawing** – This type of drawing shows detailed information, such as material finish, preferred vendor, and the prescribed standards, as well as a detailed drawing with dimensions.
- **Parts List** – If the drawing is part of an assembly, this type of document is a form showing such information as serial numbers, finish codes of the parts in the assembly, and the specification from which the parts list was generated.
- **Data List** – This is a document that is a form that includes basic information about the drawing, such as the drawing number, document number, and drawing date.
- **Change Notice** – This is a document that is a Notice of Revision to a drawing, for example: “add material thickness note: 060 thick”
- **Quality Assurance** – This is a document that is similar to the Type [SQ] document but it lists other applicable documents.
- **Reference Material** – This is a basic form that is used for notes and memos, for example: “disregard note 1: material DRL 6-8-55”
- **Type [SQ]** – This is a Supplementary Quality Assurance Provisions (SQAP) form.
- **Type [IF]** – This is a detailed drawing that lists physical properties and technical characteristics.
- **Type [EO]** – This is a form used by the Engineering agent with notes about the drawing.
- **Type [DP]** – This is similar to a Detailed Drawing but it includes additional notes or revision information about the drawing.
DODAAC

1. Click the Database menu, highlight Other Databases, and then click DODAAC.

2. Enter Lockheed in the Name field and New Orleans in the City/State/Zip field, and then click Search.

   Your results yield 3 records for Lockheed divisions in New Orleans. Click on any of the 807227 Address Codes to view Activity Address Code information. This Information includes mailing, billing, and freight information for this division of Lockheed.

3. Click your Browser’s Back button to return to the results list from the AAC information screen.
DODIC

1. Click the Database menu, highlight Other Databases, and then click DODIC (Ammo).

2. Enter arming % (or use the asterisk * as a wildcard) in the Item Name field, and then click Search.

3. Your results yield 80 records. You can click the Refine Search button and add a FSC or DODIC but if you still do not know what those codes might be, you can scroll through the list and view the item descriptions and/or the part numbers to see if any particular item is the one you need.

4. Click the Part Number link, 1325CY55 to view related FLIS data to further define the item.

5. Click your Browser’s Back button to return to your results list.

Note: At this time, the Back To Brief feature is unavailable if you cross over to the FLIS database from the links on a DODIC results list.
Electronic Components

1. From the Database menu, click Electronic Components.

The Parts Universe Electronic Components Search page opens.

2. Enter a Part Number, Description, Company Name, or CAGE Code, and then click Search. We've entered the Part Number M5.

As per the functionality in Parts Universe, a wildcard will be appended to your search term, to return exact matches, as well as variants of the search term. The Description and Item Name fields will provide you with type-ahead functionality, displaying matches for the search terms you are entering. This feature helps to reduce the potentially large number of matches that may occur for broad search terms, providing you with a more focused results set.
**Note:** Be sure and click the **Reset** button whenever you begin a new search. The Reset button clears the search fields and values so nothing from a previous search interferes with a new search.

Haystack returns the search results on the Parts Universe Electronic Components Results page.
3. Click the **View Details** link for one of the parts to open the Details page in Parts Universe.

4. Click a **CAGE code** link to view information about the manufacturer.

5. Click a **Part Number** link on the results page to go to a Multi-Database Search Results page in Super Search and find a list of databases in haystack that contain the part. The number of records for the part found in each database appears on the right of the page.

6. Click the link for the records of one of the databases.

   Haystack opens a result page for the database that lists each record. You have further opportunities to drill down to more detailed information by either clicking the **View Details** link or the **NIIN** link.
MSDS

1. Click the **Database** menu, highlight **Other Databases**, and then click **MSDS**.

![MSDS Material Safety Data Sheet Search](image)

2. Enter **nitrogen thermometer** in the description field, and then click **Search**.

3. Your results yield 13 records. Click the **Document** link for the first item to view a Material Safety Data Sheet for that item.

4. Click your Browser’s **Back** button to return to your results list.

<table>
<thead>
<tr>
<th>View</th>
<th>Description</th>
<th>Company Name</th>
<th>FSC</th>
<th>NRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Nitrogen For Thermometer 4163-Your-9109</td>
<td>Union Carbide Linde Div</td>
<td>0166</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Nitrogen For Thermometer 3161-Your-9409</td>
<td>Union Carbide Linde Div</td>
<td>0166</td>
<td>80013212</td>
</tr>
<tr>
<td>3</td>
<td>Nitrogen For Thermometer</td>
<td>Union Carbide Industrial Chemicals Div</td>
<td>0466</td>
<td>80007260</td>
</tr>
<tr>
<td>4</td>
<td>Nitrogen, Compressed (for Thermometer) 4123KY</td>
<td>Praxair</td>
<td>0466</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Nitrogen For Thermometer</td>
<td>Union Carbide Linde Div</td>
<td>0466</td>
<td>80013212</td>
</tr>
<tr>
<td>6</td>
<td>Nitrogen (for Thermometer 4163-900-1300Y)</td>
<td>Union Carbide Linde Div</td>
<td>0466</td>
<td>80013212</td>
</tr>
<tr>
<td>7</td>
<td>Nitrogen Gas (for Thermometer)</td>
<td>Air Products and Chemicals</td>
<td>0466</td>
<td>811689210</td>
</tr>
</tbody>
</table>

5. Click the first **FSC** number, **6685** to view a definition for that FSC.

6. Click **Back To Brief** to return to your results list.

7. Click the first **001131212** NIIN to view the FLIS, MCRL, and ML-C data for that NIIN.

8. Click **Back To Brief** to return to your results list.
1. Click the **Database** menu, highlight **Other Databases**, and then click **QML/QPL**.

   *Note:* If you do not know the FSC number, you can click the look-up icon ![icon](image) and enter one or several words, separated by a space or comma, and press the **Search** button to retrieve a list of FSCs that meet the keyword criteria you entered. You can modify your keyword again or select a specific FSC by clicking on it.

2. Enter **harbour industries** in the **Manufacturer Name** field, and then click **Search**.

3. Click any **QPL/QML 17** link to view the Qualified Products List in the IHS Specs & Standards product. This list shows all of the military organizations that list the document as an approved QPL.

   **Important Note:** To view this list, you must subscribe to the IHS Specs & Standards product, for more information contact your IHS Sales Representative or IHS Customer Support.

4. In IHS Specs & Standards, click the **View** button to view the QPL document. Once you have viewed the document, close the IHS Specs & Standards window to return to the Haystack QPL results list.

5. Click **NIIN 00-542-2773** to view FLIS, MCRL, and ML-C data related to the NIIN.
6. Click the **Back To Brief** link to return to the results list.

7. Click Manufacturer’s Part Number **J3050** to launch an automatic Super Search for the part number. In this instance the part number only is displayed or is cross-referenced in the FLIS database.

8. Click your Browser’s **Back** button to return to your results list.

   *Note:* At this time, the Back To Brief feature is unavailable if you cross over to the FLIS database from the links on a QML/QPL results list.

9. Click Govt Part No **M17/175-0001** to launch an automatic Super Search for the government part number. In this instance the government part number is displayed or is cross-referenced in the FLIS, the Navy CRF, and the Inventory/Capability database.
   
   *Note:* The Government Part Number is a Government Designation part number and is a reference number in the M17/175 specification document. It is not an actual part number.

10. Click a **27478** CAGE code to view an Expanded Supplier Profile page for Harbour Industries.
QPD

You can search from the Search page and refine your search results on the Display page when initial search results are returned. The following three examples illustrate a search using a QPL, a NSN/NIIN, and a part number.

Searching with a QPL number

1. Click the **Database** menu, highlight **Other Databases**, and then click **QPD**.

2. Enter **18240** in the **QPL/QML Number** field, and then click **Search**.

Search results are returned either as a QPD Display page for the designated QPD record, or as a table listing all of the records matching your search term(s). You can then select the record you want displayed.
In the following example, we matched one record, QPL-18240; therefore, the QPD Display page is returned.

3. Click View Historical/Archived to view a list of all the records contained in the QPD database.

The Historical/Archived QPD Index table lists all of the historical versions of the QPD record you are viewing, sorted in descending order, with the most recent at the top of the table. To view an historical QPD, click the desired link in the Date column. To view the Military Specification (MILSpec) associated to each QPD version, click the desired link in the Governing Specification column.

4. Click Governing Spec to view search results for the document in the IHS Standards Expert application.
If you already subscribe to Governing Specifications in Standards Expert, you can view the document in that application. If you are not a Standards Expert subscriber, you are brought to the IHS Standards Store, where you can purchase the document.

5. Click the **PDF** button to view a PDF version of the Display page in a new browser window. You can choose to save or print this PDF document.

6. Click **Preamble Footnotes** to jump the page to the text of government information and introduction immediately following the QPD title. The Footnotes link jumps the page to the section immediately following the Preamble.

7. Enter new search criteria in the refinement search fields for Government Designation, NIIN, Manufacturer’s Designation, Manufacturer’s Name, or CAGE Code, and then click **Refine Products Within This QPL** to filter the search results to the items you want to focus on.

8. Click **Clear All Refinements** to return to a full results list.

9. Click the **Export Product List Data** button to export your product list to a delimited text file or an Excel spreadsheet with an organized and readable layout and headers. (For users with Excel 2007, you may see an alert pop-up when opening the file. Click **Yes** and continue.

10. Click **Government Designation** in the table following the preamble to perform a Super Search (multi-database search) and return a result list with links to all of the Haystack databases in which the part can be found.

    A Government Designation is the name or number as assigned in the governing specification document. The format and any coded meanings to the designation are identified and explained in the Government Specification.

11. Click **Manufacturer’s Designation** in the table following the preamble to perform a Super Search (multi-database search) and return a result list with links to all of the Haystack databases in which this part can be found.

    A Manufacturer’s Designation is the manufacturer’s (or distributor’s) internally assigned designation/part number for a specific product, whether manufactured, assembled, or repackaged.

12. Click a **CAGE Code** number / link in the table following the preamble to view additional CAGE, manufacturer, or vendor details in an Expanded Supplier Profile window

**Key elements of the QPD Display page include**

- A link to Historical/Archived QPD versions.
- The last update date for the governing specification.
- Access to a PDF version of the entire QPD record, for printing and saving locally. You can print a copy of the QPD record by clicking the PDF button. Unlike the QML/QPL database, where the official government documents originated in paper format and were
then converted to PDF, the PDF copies in the QPD database have been created from the new XML record and are updated at the same frequency as the data (weekly).

- A secondary header bar that provides information about the Qualifying Activity (QA), Federal Supply Class (FSC), Document Date, QPL/QML Number, Governing Specification (Governing Spec), Document Status (Doc Status), Title, and QPL Notes. You can move your cursor over each of these headings to see definitions and descriptions for each particular heading.

- Document title and preamble information.

- Refinement options under a third header bar that allow you to filter results by Government Designation, NIIN, Manufacturer’s Designation, Manufacturer’s Name, or CAGE Code.

Tip: It is more efficient to use the refinement process than to sort search results.

Note: The Export Product List Data button exports your product list to a delimited text file or an Excel spreadsheet with an organized and readable layout and headers.

For users with Excel 2007, you may see an alert pop-up when opening the file. Click Yes and continue.

- Links for the Government Designation and Manufacturer’s Designation part number in the results table take you to a list of Haystack databases where you can find more information about the part number.

When you move your mouse over the information icon 🏰, you can view the particular attributes of an item. The 🏰 and 🌾 icons identify the information as Plant or Manufacturer.

- Links for CAGE Codes in the results table take you to the CAGE Code results at the bottom of the page where your selected CAGE Code is highlighted in red. When you click it, the link opens an Expanded Supplier Profile (ESP) that gives you a snapshot view of procurement history details.

**Refining with Search Criteria**

- You can focus or center your QPD search results on a particular NSN/NIIN, Government Designation, or CAGE Code on the search page or the results page. For instance, if you search by NSN on the search page, Haystack displays a smaller set of results related to the NSN, rather than a list of all 700,000 records in that document.

- You can apply refinements on the QPD Display page by using the Government Designation, NIIN, Manufacturer’s Designation, Manufacturer’s Name, or CAGE Code
fields. At any time, you can click the Clear All Refinements button to view the entire results list and use other refinements.

**Searching with a NSN/NIIN number**

1. Access the QPD Search page by clicking Database > Other Databases > QPD in the menu.

2. On the QPD Search page, enter the NSN 015646748 in the NSN/NIIN field, and then press the Search button.

Search results are returned either as a QPD Display page for the designated QPD record or as a table listing all of the records matching your search term(s). In this example, we matched one record; therefore, the QPD Display page is returned.

The NSN/NIIN you entered on the Search page appears in the NIIN search field, and the results of the search consist of three items tied to the NSN/NIIN. If you want to see the entire set of 700,000 records for the QPD, you can click Clear All Refinements. You can then do refinements for Government Designation, NIIN, Manufacturer’s Designation, Manufacturer’s Name, and CAGE Code. If your attempts to refine by these fields do not yield results, the following message is displayed:

“Warning: No Associated Products Found.
Suggestion: remove any unnecessary refinements.”

**Searching with a Manufacturer’s Part Number (Manufacturer’s Designation)**

1. Access the QPD Search page by clicking Database > Other Databases > QPD in the menu.
2. On the QPD Search page, enter the Manufacturer’s part number 38110% in the Manufacturer’s Designation field, and then press the Search button.

Search results are returned either as a QPD Display page for the designated QPD record or as a table listing all of the records matching your search term(s). In this example, we matched one record; therefore, the QPD Display page is returned.

The Manufacturer’s Designation part number you entered on the Search page appears in the Manufacturer’s Designation refinement field, and the results of the search show a list of part numbers that include your search criteria. The list of fields that will use the same behavior include Government Designation, NIIN, Manufacturer’s Designation, Manufacturer’s Name, and CAGE Code.

You can use the filter or refinement boxes above the columns in the result table to quickly search within a QPD result and narrow in on the items of specific interest to you. For example, if you searched by QPL number or title, the results are presented to you in their entirety, X records at a time. Using the filter boxes and then clicking on the Refine Products Within This QPL button focuses the results to the items you are looking for.

You can also search within results. For example, to find all manufacturer’s part numbers that contain NSNs, you can simply add 0* to your refinement, which will narrow the list down to records that contain a particular part number prefix and also have an NSN assigned to them.
Forging Tooling

1. Click the Database menu, highlight Other Databases, and then click Forging Tooling.

   ![Forging Tooling Database Search Interface](image)

   1. Enter 16VL031-5 in the Part Number field and click Search. Your results yield 35 records.

   ![Forging Tooling Database Results](image)

   2. Click the Details link for the first Citation reference (NIIN 01-429-3480). A NFTD Summary page displays basic information about the part, such as a description, the NIIN, INC, and part number. If applicable and/or available, tool and weapon system information displays.

   3. On the NFTD Summary Information screen, click on NSN 1620-01-429-3480 to view FLIS, MCRL, and ML-C data for this NSN.

   4. Click Back To Brief to return to the NFTD results list.

   5. Click part number 16VL031-5 to launch a Super Search for the part across all of the Haystack databases.

   6. A results list displays showing that the part is referenced 20 times in the NFTD database and two times in Inventory/Capability.
8. In the Records Found column, click on 20, which is a link, to return to your results list.

9. Click CAGE 17576 to view an Expanded Supplier Profile for the company that manufactures the part for Citation, which is Goodrich Corp.

10. Click the **Back To Brief** link to return to the NFTD results list.

If available, the results list also has the Forging/Die Number, the Shop Number and Name, the CAGE, an Image of the part and the Part Type, such as an “F” for a forge tool type.
UK NSN Search

1. Click the **Database** menu, highlight **Other Databases**, and then click **UK NSN Search**.

![UK NSN Search Form](image)

2. Enter **vent assembly kit** in the **Item Name** field, and then click **Search**.

   Your results list 5 records matching the item. The red square next to NIIN 99-835-6129 indicates that this NIIN is Inactive/Historical and is no longer supported by the National Codification Bureau. The green squares next to both instances of the number 2 VC for NCAGE **K1806** indicates that the K1806 CAGE is considered a design and/or source control reference for a specification, standard part, type, or similar reference for this item.

![UK NSN Search Results](image)

3. Click the first NIIN **99-513-2186** to view FLIS and MCRL data.

4. In the MCRL panel, click the NCAGE **K1806** link to view vendor information from the H4/H8 Vendor Handbooks.
H2/H6 (FSC/INC)

1. Click the Database menu, highlight Other Databases, and then click H2/H4 (FSC/INC).

2. Enter 5133 in the FSC, FSG or INC field, and then click on Search. The record for code 5133 represents drill bits, counterbores, and countersinks for both hand and machine tools as defined in the Federal Supply Catalog.

3. Click the 5133 link in the results list to view a definition of the four-digit Federal Supply Classification Code.
Electronic Components

1. From the Database menu, click Electronic Components.

The Parts Universe Electronic Components Search page opens.

2. Enter a Part Number, Description, Company Name, or CAGE Code, and then click Search. We’ve entered the Part Number M5.

As per the functionality in Parts Universe, a wildcard will be appended to your search term, to return exact matches, as well as variants of the search term. The Description and Item Name fields will provide you with type-ahead functionality, displaying matches for the search terms you are entering. This feature helps to reduce the potentially large number of matches that may occur for broad search terms, providing you with a more focused results set.
**Note:** Be sure and click the **Reset** button whenever you begin a new search. The **Reset** button clears the search fields and values so nothing from a previous search interferes with a new search.

Haystack returns the search results on the Parts Universe Electronic Components Results page.
3. Click the **View Details** link for one of the parts to open the Details page in Parts Universe.
4. Click a **CAGE Code** link to view information about the manufacturer.

The Expanded Supplier Profile (ESP) page opens.

5. Click a Part Number link on the results page to go to a Multi-Database Search Results page in Super Search and find a list of databases in Haystack that contain the part. The number of records for the part found in each database appears on the right of the page. In addition, there is an icon and link for ISO Group that opens a Submit RFQ page.
6. Click the link for the records of one of the databases.

Haystack opens a result page for the database that lists each record. You have further opportunities to drill down to more detailed information by either clicking the View Details link or the NIIN link.
**Canadian MCRL**

1. Click **Database** menu, highlight **Other Databases**, and then click **Canadian MRCL**.

   ![Canadian MRCL Search Form]

2. Enter **cable pulley** in the **Item Name** field, **McDonnell Douglas** in the **Vendor Name** field, and then click **Search**. Your search retrieves four records.

   ![Canadian MRCL Search Results Table]

3. Click the **NIIN 00-125-0899** for McDonnell Douglas to view a **Canadian MCRL Details/Summary** page. This Details/Summary page is similar to the FLIS Details/Summary page, but the codes include some that are relevant to the Canadian military/government processes. For example, the summary includes MOE codes, NCAGE records, and Green codes. In addition, the summary page includes a link to Canadian Procurement History for the selected NSN and US FLIS cross-references if it is available and applicable.

   For more information about FLIS data, go to the FLIS search. For definitions of the codes, refer to the Glossary section of this guide.
**Canadian Procurement History**

1. Click the Database menu, highlight Other Databases, and then click Canadian Proc. History.

![Canadian Procurement History Search](image)

2. Enter 21167% in the Part Number field, and then click Search. There is only one part number similar to 21167.

![Canadian Procurement History Search Results](image)

3. Click the NIIN to view a Canadian MCRL Details/Summary page. This Details/Summary page is similar to the FLIS Details/Summary page, but the codes include some that are relevant to the Canadian military/government processes. For example, the summary includes MOE codes, NCAGE records, and Green codes. In addition, the summary page includes a link to Canadian Procurement History for the selected NSN if it is available and applicable.

4. Click the Browser Back button to return to the result record.

5. Click the File ID link, W0486-03AJ01/001/HL, to view a Canadian Procurement History Information page that includes vendor and supplier source information.
Canadian NCAGE/Vendor

1. Click the **Database** menu, highlight **Other Databases**, and then click **Canadian NCAGE/Vendor**.

2. Enter **Patlon** in the **Company Name** field, and then click **Search**.

3. Click the Vendor link, **43A27** to view Patlon’s complete company name, address, and phone number.
1. Click the **Database** menu, highlight **Air Force**, and then click **D200F**.

![Sample Searches Guide](image)

2. Enter **37903-1** in the **Part Number** field, and then click **Search**. Your results yield 16 records that list this part (an aircraft fuel tank) as an end-item of an assembly kit associated with NIIN 00-498-5139. In this example, the item is listed as a component part that is associated with seven different NIINs with a different part number. The item is a component of nine other assembly kits that use the 00-498-5139 NIIN but the component is either (1) not stocked by the SOS but can be procured or (2) it cannot be replaced without replacing the entire assembly kit.

![Sample Searches Guide](image)

3. Click the **View** link to view additional, coded information about the part, such as SRC and UMC codes.
4. Click the **Back To Brief** link to return to the results list.
5. Click the CAGE **05476** to view detailed vendor information.
6. Click the first **00-498-5139** NIIN link to view the cross-referenced FLIS data.
D043

1. Click the **Database** menu, highlight **Air Force**, and then click **D043**.

![Image of search interface]

2. Enter **005347553** in the **NIIN** field, and then click **Search**. The results list is displayed for four records.

![Image of results list]

3. Click the first **Details** link to open a **Summary** page that provides related NIINs and the activity code, TU, which is the AFLC Cataloging and Standardization Center /CBRS in Battle Creek, Michigan 49016 where errors, omissions, or inquiries to the D043 can be made.

![Image of summary page]
1. Click the **Database** menu, highlight **Air Force**, and then click **D049**.

2. Enter **388236-1** in the **Part Number** field, and then click **Search**. Your search returns one record.

3. Click the **Details** link in the results to review a Summary page for this item.
1. Click the Database menu, highlight Air Force, and then click ITIES.

   ![ITIES Search Interface](image1)

   - Enter 005503940 in the NIIN field, and then click Search. The result shows one record with an equipment number of 5503940, which is the item listed on the 33K-4-1-3-27 Technical Order. The San Antonio Air Logistics Command was originally responsible for maintaining the Technical Order. The item is a breech bore gage that required calibration procedure testing.

2. Click the NIIN link, 005503940, to view the cross-referenced FLIS MCLR and ML-C data and any other cross-referenced data.
AMDF

1. Click the **Database** menu, highlight **Army**, and then click **AMDF**.

2. Enter **Q19339** in the LIN field, and then click **Search**. Your results show seven AMDF files for a radic set.* The seven files differ only in the AMDF price, MLC price, LCC code, SCMC, and MLC date, providing part comparison data.

*Radic is an all-inclusive term to designate various types of radiological measuring instruments or equipment. It combines the terms radioactivity, detection, indication, and computation.
Pub Manuals

1. Click the **Database** menu, highlight **Army**, and then click **Pub Manuals**.

![Image of Pub Manuals search interface]

2. Enter **TM 11 6665 224 20P** in the Pub/Form Number field, and then click **Search**. Your result is the Publication Manual (with a NIIN of 6665-00-975-7222) that is the Organizational Maintenance Repair Parts and Special Tools Lists for Radiac Set AN/PDR-27P.

![Image of search results for TM 11 6665 224 20P]

3. Click the **Pub/Form Number** link to go to a screen with more detailed information. **Note**: The PIN number **019512** and the **PDF** icon link on the detail page, and the **View PDF** link on the results page all link to the same manual.
SB700

1. Click the Database menu, highlight Army, and then click SB700.
2. Enter petro fuel test kit in the Item Name field, and then click Search.

Your results yield one item.

3. Click the Details link in the View Details column to display a Summary page with further information about the kit.

4. Click the NSN link in the results window to view the FLIS, MCRL, ML-C data.
5. Click any of the links listed under This NIIN was also found in the following databases to view other Haystack Gold databases that are cross-references for the NIIN.
Tech Manuals Parts Index

1. Click the Database menu, highlight Army, and then click Tech Manual Parts Index.

2. Enter 6786554 in the Part Number field, and then click Search. Your results list two technical manuals that reference this part.

3. Click the View PDF link to view the Technical Manual with Adobe Acrobat Reader.

4. Click your Browser’s Back button to return to the results list.

5. Click either of the End Item links to view the FLIS, MCRL, and ML-C data.

6. Click any of the links listed under This NIIN was also found in the following databases to view other Haystack Gold databases that are cross-references for the NIIN.
7. Click the **NIIN/FLIS Images** link to view an image of the part to further verify that this is the part you are trying to identify as a component part for NIIN 0112599912.

8. Click your Browser’s **Back** button menu link to return to your results list.

9. Click the **CAGE code 83259** on the Detail Summary screen to view detailed information on the Parker Hannifin Corporation, and then click the **Back To Brief** menu link to return to the results list.

10. Click your **Browser’s Back** button to return to the results list. If you click the X (close) icon, you will be logged out of the Haystack Gold application.
**APL Sample Search**

1. Click the **Database** menu, highlight **US Navy**, and then click **APL/AEL**.

2. Enter **00003064** in the **RIC/APL/AEL** field.
   
   *Note:* In this example, the **Advanced Search** button on the bottom of the main APL search screen has been clicked. When you click **Advanced Search**, you are presented with more fields to add criteria to refine your search. This functionality is similar to the Technical Characteristics search features in the FLIS.

3. Place your cursor in the **Ship Name** field and begin typing in **USS Ronald Reagan**. A drop-menu is displayed with a list that includes the USS Ronald Reagan. Make that selection, and then click **Search**.

   ![Screen Shot of APL Search](image)

   *Note:* You may also only enter an APL number and search or only enter a Ship Name and search.
The results show Segment D – Component Parts by default.

To view code information or refine your search

1. Click any of the underlined codes, such as the 9B Cog code or 5925 FSC code to view the definitions for those codes.

2. You can use the search within boxes to narrow the Component D parts list by NIIN, Item Name Cage code or Part/Reference Number. For example, enter 5310 in the FSC field at the top of the FSC column in the list, and then click Go (to the left) or press Enter on the keyboard to narrow the list by that specific FSC code.
3. To clear the FSC sort, click the Clear button.

4. To view Segment B data, click the [B] Component Characteristics [13] button. The number 13 represents how many Segment B records there are for this RIC. Notice that the [D] Component Parts button shows the number 578 when you click the other Segment buttons, indicating there are 578 records of Segment D data.

5. To view Segment F data, click the [F] Multiple Ref. Numbers [18] button. In our example, Segments G/H do not apply.

**To view or build reports**

1. Click the Microfiche Report link to display a PDF image of the component, which includes Segment B and D data and can include other segmental information.

2. Close the Microfiche Report window to return to your APL data.

3. Click the Custom APL Report link to go to the selectable segment data you would like to use to build a custom report. Click the Default Report button if you want to use all available segments for your report.

4. Click the Display/Print Report button to compile your report.

5. Click the Back To Summary button to return to the results list.

6. Click the Back To Brief link to go to the APL File List screen where you can select other available FLSIP, Trident, or MAPL views.

   **Note:** You can sort the search results in the MFR ID and Nomenclature columns as well as the RIC/APL column.
7. For example, click View under MAPL to view the Manufacturing Assembly Parts List.

To export segment data

1. To export any of the major segments [B, C, D, E, F] to an Excel spreadsheet or text format, select the component, and then click Print List below the table.

The screen opens with a new table and an Export Report Data box.

2. Click the Export to Excel format icon button or the Export to text format icon button to download the table to your computer.

Note: You will be able to download the first 2,500 items listed in the segment. To download a larger list, use the APL Batch feature. Click the Back to Search button, and then the APL Batch button.
**APL Batch**

The benefit of performing an APL Batch is that it automates the process of batching large amounts of data you previously batched using the BatchPlus feature, while allowing you to continue to use Haystack Gold to perform other searches and retrieve data. (For more information on Batching, refer to the section, BatchPlus, in this guide.) Please note that batching large amounts of data may take several minutes.

1. On the APL/AEL main search window, click the **APL Batch** button. The APL Batch Settings window opens allowing you to select (1) the data you want to batch, (2) how you want to format your input file (the data you previously saved from a batch), and (3) how you want your output file formatted.

2. For our example, select the **APL FLSIP. 25** radio button if it is not already selected.

![APL Batch Settings Window](image)

3. Click the **Browse...** button and select a file you previously batched or saved as an ASCII Text file.

4. If you want to only process part of your input file, enter a **Start Line** and an **End-Line** value in the **Define your input file** section; otherwise, leave these set to the defaults. If your input file includes more records than the number authorized for a batch, you must...
enter a **Start** and an **End Line** value in the **Define your input file** section, otherwise, leave these set to the defaults.

5. For this example, we will only select one key input as the **Input Format (Keys)** type. Select **NIIN** from the **First Key** drop-down menu and leave the **Field/Key Delimiter** set to the comma default.

6. In the **Define your output format** section, type in a **Title**, **Description**, and an **Output File name**.

7. Select an output format from the **Output Format** drop-down menu.

8. If a format already exists and you want to edit it, click **Edit**. A **Modify Output Format** dialog box opens, allowing you to change the output type (Your choices are Microsoft Access, dBase, text with quote marks and commas, or delimited text. Delimited text fields are variable in length and are separated by the selected Field and Record Delimiters, such as a comma or double quotes. The content of each field is contained within the selected text delimiter, such as a comma or double quotes.)

9. If an output format does not exist in the **Data Selection** list, click the **Create** button and a **Create New Output Format** dialog box opens allowing you to set the parameters for your output file.

Once you have set your parameters for a new output format or a modified format, click **OK** to return to the main **APL Batch Settings** screen.

10. On the **APL Batch Settings** screen, select an **Archive Type** for the type of file the system uses to compile the data into a manageable file. A compressed **.zip** file is the default. If you select **None**, the data is compiled into an **HTML (.htm)** file format.

11. Once your input and output formats are set, click the **Submit** button on the **APL Batch Settings** screen. A message window displays with a link to the Batch Status page where
you can check on the batch process, and if it is completed, you can click on the .zip or .htm file and view your output file.

12. Click the link in the Output File column for your batch job to view the file.

13. Click the Batch ID link for your batch job to view your batch settings (Status, Title, Description, Key Type, Input File, Last Run On, Output Type, and Archive Type).
**APL Scan**

The APL scan feature allows you to find particular lines of information within large lists of records for an APL segment, particularly Segments D and F.

**Note:** This feature was used in the APL sample search above.

To use the scan feature:

1. Click the **Database** menu, highlight **Navy**, and then click **APL/AEL**.
2. Enter **00000179** in the **RIC/APL/AEL** field, and then click **Search**.

   3. You can scan this list with a specific FSC code, NIIN, CAGE, or Part/Ref No. For this example, enter **12763** in the **CAGE** text box in the **CAGE** column, and then click the **Go!** button. The list is not only sorted by the CAGE code, it is also reduced from 141 records to 63 records.

4. If you click the **Print List** button at the bottom of the screen, it is indicated that you only have a partial results list in the header.

5. To clear the list and return to your original results list, click the **Clear** button.

6. You can also sort your APL records by a specific column. For example, click on the **FSC** **black square** in the FSC header column. Your list is sorted in ascending order. You will notice that the square turns into a triangle, indicating the FSC column has sorted the list. If you click on the triangle, it will resort the list in descending order.

7. To return to your original list without any sorting, click the **Back** button.
1. Click the **Database** menu, highlight **Navy**, and then click **MRIL**.

   ![MRIL (MASTER REPAIRABLE ITEM LIST) SEARCH](image)

2. Enter **01481** in the NIIN, NICN, or NSN field and click **Search**. Your results list is 3790 records.

3. Click the **Refine Search** button to open the main search screen in conjunction with your results list.

4. Enter **5999** in the FSC field and click **Search**. Your results list is now 144 records.

   If we look at the codes for the seventh record on the first screen, we see that this item has a COG code of **7R**, which indicates that the Aeronautical Depot Level Repairable Spares is the agency that is the Inventory Control Point (ICP) for the item.

   If we click on the first **5999** FSC code in the list, a message window is displayed that informs us that the item is categorized as miscellaneous electrical and electronic components in the Federal Supply system.

5. Click **Back To Brief** to return to the results list.

6. Click the seventh NIIN, **01-480-1799** to go to the MRIL table that provides additional coded information. A MCC code of **H** (which is also on our results table) indicates the item is a Depot Level Repairable. A SMIC code of **QF** (which is also on the results table) indicates that the item is for a F18 Fighter Aircraft. A MPD code of **13** indicates that if the item needs to be returned, it can be returned using routine procedures, such as returning it through the US Post Office or other method that does not require special handling. There is no CIIC or SRC code associated with the item. The **J** code in the Other Notes column indicates the item qualifies as an item that can be sent via regular mail.
A UIC code of **SW3205** (which is listed in our results list as a Ship code) is the address where the item can be shipped for repairs.
NICN to NIIN

1. Click the **Database** menu, highlight **Navy**, and then click **NICN to NIIN**.

2. To find the NIIN that is associated with a NICN (number temporarily assigned), enter the NICN, **121437584** in the NICN field, and then click **Search**.

3. Click the FSC link, **3110** to get detailed information on this classification, which are unmounted, antifriction bearings.

4. Click the **Back To Brief** link to return to the results list.

5. Click the NIIN link, **00-812-7805** to open a FLIS Details/summary page that shows all the cross-referenced items associated with the NIIN.

6. Click the **Back To Brief** link to return to the results list.

7. Click the **9B** COG code, which shows that the item associated with the NIIN is part of Navy-owned stocks of general defense material and is supported by the Navy Fleet Material Support Office.

8. Click the **Back To Brief** link to return to the results list.

9. Click the **RD** code to view a definition of this code, which is a change notice that indicates the change to the NIIN, or the replacement of the NICN with a NSN, was within the same FSC, and has the same inventory manager.
NICP CRF

1. Click the **Database** menu, highlight **Navy**, and then click **NICP CRF**.

2. Enter **008389412** in the **Part Number** field, and then click **Search**. The results show one record with this part number and the associated NICN. There is no NIIN listed because the NICP rolled the part number into the NICN, and the NICN is now the NIIN 5905-00-838-9412, which you can see when you click the NICN link and go to the FLIS Detail/Summary information.

3. Click the NICN link and you see that the part and the part’s NICN are cross-referenced in the FLIS database with two alternate part numbers. The part (an inductive wire-wound fixed resistor) is now a component of an assembly. Actually, it is a component part of several assemblies, which becomes evident when you do a Super Search and the part is referenced in several databases and several different assembly kits.

4. Click part number **MILR26-3** to do a Super Search. References to this part occur in 196 records in the Canadian MCRL, 634 in Inventory/Capability, 6 in APL, 403 records in the Navy CRF database, and 3 records in the Air Force D049 database.
1. Click the **Database** menu, highlight **Navy**, and then click **NMDF**

![NAVY MASTER DATA FILE SEARCH](image)

2. Enter **rivet brake lining** in the **Item Name** field.

3. If we look at the results list, there are 5 records. In the record (NIIN 00-854-4846), a COG of **9B** indicates the Navy owns this item as part of their stock of general material for defense purposes. The SOS of SMS indicates that this is a ship building and marine structure source of supply. An AAC code of L indicates that this is a Defense Logistics Agency (DLA)/GSA/Service/Agency-managed item and is authorized for local purchase as a normal means of support at the base, post, camp, or station level. The item is not stocked in the wholesale distribution system of an IMM/Service/Agency ICP.

<table>
<thead>
<tr>
<th>CGD</th>
<th>FSC</th>
<th>Item Name</th>
<th>SOS</th>
<th>AAC</th>
<th>Item Name</th>
<th>Unit Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td>5320</td>
<td>rivet brake lining</td>
<td>SMS</td>
<td>I</td>
<td>RIVET BRAKE LINING</td>
<td>$0.04</td>
</tr>
<tr>
<td>90</td>
<td>5320</td>
<td>rivet brake lining</td>
<td>SMS</td>
<td>X</td>
<td>RIVET BRAKE LINING</td>
<td>$0.04</td>
</tr>
<tr>
<td>90</td>
<td>5320</td>
<td>rivet brake lining</td>
<td>SMS</td>
<td>L</td>
<td>RIVET BRAKE LINING</td>
<td>$0.04</td>
</tr>
<tr>
<td>90</td>
<td>5342</td>
<td>rivet brake lining</td>
<td>SMS</td>
<td>V</td>
<td>RIVET BRAKE LINING</td>
<td>$0.41</td>
</tr>
<tr>
<td>90</td>
<td>3040</td>
<td>rivet brake lining</td>
<td>SMS</td>
<td>D</td>
<td>RIVET BRAKE LINING</td>
<td>$1.05</td>
</tr>
</tbody>
</table>

4. Click the **00-854-4846** link to view more detailed information about the part on a **Details/Summary** page from the FLIS database.
P2002


2. Enter *emergency rocket* in the Title field and press Search. Your results yield two publications that have emergency rocket in their title.

3. Click the C-130-AFC-269 link to open a screen with more detailed information about the publication, such as the Preparing Service (PS), Requisition Routing (RR), Budget Code (BC), and more.
   
   Note: To view a more detailed definition of the acronyms, refer to the Glossary section of this guide. Not all definitions may be available.
P2300/10/30 (NHA)

1. Click the Database menu, highlight Navy, and then click P2300/10/30 (NHA).

![Database menu screenshot]

2. Enter 2185870 in the Part Number field and click Search. The results yield 1 record.

![Search results table]

3. Click the View Details link to view the Next Higher Assembly table that includes the 2310 and 2330 data.

![Next higher assembly table]
1. Click the Database menu, highlight US Navy, and then click SPMIG.

2. Enter gasket seal in the Nomenclature field and click the Search button. The results list has 2 records. The data includes basic information about the item, such as Number, Suffix (if available or applicable), FSC, NIIN, Part number, CAGE, Nomenclature, Category Code, Sub-category code, MilFed number, and APL number.
3. On this results page, click the number 05252 link in the Number column to open a SPMIG Summary page.

The Summary information includes:

**Nomenclature** – Gasket and seal set is the name of the item.

**Remarks** – (none available for this SPMIG)

**SPMIG Number** – This SPMIG number (05252) is the reference number assigned to items in the Tools, Parts, Materials, Test Equipment block on MRC (Maintenance Requirement Code).

**FSC** - The FSC code 5330 identifies the gasket set as Packing and Gasket Materials designed for a single specific application.

**Part Number** – 5196375.

**MIL/FED** - (none available for this SPMIG) A MIL/FED is a Military/Federal specifications document.

**CAT Code** – The Category code (3) represents an item associated with filter elements and other replacement parts required by MRCs and that appear on APL/AELs.

**HAZMAT Group Code** - This field is blank because the part does not require a HAZMAT group code.

**Modifier** - This field is blank because there is no modifier for this item.

**COG** - A COG of 9Z indicates this item is a Navy-owned stock of defense industrial material.

**Suffix** - The Suffix is a letter designation assigned to SPMIG item denoting different APL usage, sizes, colors, etc., and is linked to the Number field on the results list. This field is blank because there is no suffix for this item.

**NIIN** - The National Item Identification Number for part number.

**CAGE** – The CAGE 72582 links to a snapshot view of Detroit Diesel Corporation, a firm that manufactures and/or distributes this gasket and that has procurement history with the U.S. Government.

**APL** - The APL link, 666010366 crosses into the APL database where you can view FLSIP data and component characteristics.
**Sub CAT Code** - This field is blank because there is no sub category code for this item.

**Disposal Method** - This field is blank because the gasket does not require a safety disposal method. The Disposal Method is listed at the end of MRCs to aid in disposal of hazardous materials.

**Unit of Issue (UI)** - A Unit of Issue code of EA indicates a numeric quantity of one item of supply.

**Notes** - These code(s) reference special information on the SPMIG item. Up to 3 note codes, separated by a front slash /, can be entered per SPMIG Item (i.e. A/C/H). For this particular search, the field is blank because there are no notes for this item.
WUC

1. Click the **Database** menu, highlight **Navy**, and then click **WUC**.

![WUC Search Screen](image)

2. Enter **13741000** in the **Part No.** field and press **Search**.
   Your results produce one record that identifies the work unit code (2770000), the type of equipment repaired (an F14 [F014D]), what was repaired (a turbofan engine [F110-GE-400-Turbofan Engine]), who did the repair (Vendor [CAGE 12536]), and other information related to the repair.

<table>
<thead>
<tr>
<th>WUC</th>
<th>AMC</th>
<th>SMN</th>
<th>SCC</th>
<th>WUC Name</th>
<th>CAGE</th>
<th>Part No</th>
</tr>
</thead>
<tbody>
<tr>
<td>2770000</td>
<td>X-WUC</td>
<td>NHDD</td>
<td>F110-GE-400 TURBOFAN ENGINE</td>
<td>12536</td>
<td>13741000</td>
<td></td>
</tr>
<tr>
<td>1231713100</td>
<td>9</td>
<td></td>
<td></td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total** 2 1 1 0 0 0 0.00
WUC (S3 Aircraft)

1. Click the Database menu, highlight Navy, and then click WUC (S3 Aircraft).

2. Enter 12536 in the CAGE field and press Search. There are two records of work done by this company.

3. Click the View Record link for WUC 29Q4F30 to open a more detailed record that shows the cost of the repair and that the repair was managed by the Aeronautical Depot Level Repairable Spares Navy Ships Parts Control Center (COG 7R). The SMR code indicates: the item can be procured as a replenishment item and is stocked in the system (PA); the level of maintenance for minesweepers, submarines, amphibious vehicles, destroyers, and cruiser/carrier crafts can be removed, replaced, and repaired while the craft is ashore or afloat (OG); and that if the item is unserviceable and needs to be disposed of or condemned, it must be done at the depot level (D).
1. Click the **Database** menu, highlight **Marine Corps**, and then click **SL-6**.

2. Enter **truck mounted crane** in the **Nomenclature** (keyword) field and press **Search**. Your results yield one item.

3. Click the **Details** link to view a summary page that provides more detailed information about the part.
For example, the end item (IDN 09109A) consists of a hydraulic transmission, a diesel engine, and a digital computer. If you click on any of the ID No links, additional data informs us that, for example, the hydraulic transmission is part of a ground mobile force satellite communications terminal AND a high mobility speed crane that is on the Table of Authorized Material (TAM).

4. Click the NSN links to view FLIS, MCRL, and ML-C data and to view any other Haystack Gold databases that cross-reference the NSN/NIIN.
Additional Features

**Super Search**

A Super Search allows you to search across multiple databases of your choice for records with a given NIIN or Part Number. The check boxes are on/off toggle boxes. Enhanced functionality now allows you to perform embedded wild card searches using the (%) or (*) to match multiple characters, or the underscore (_) to match a single character, anywhere in your search term. You can also append an asterisk (*) to the beginning or end of a search string.

To use the Super Search feature:

1. **Go to Database > Super Search.**
2. To search across all of the Haystack Gold databases, click the **Select All** button if all databases are not already selected. (Click the **Clear All** button to clear the selections and re-select specific databases.)
3. Enter **005347553** in the NIIN field, and then click **Search.** Your results list how many records there are for this NIIN that are cross-referenced in each of the database in which it was found.

<table>
<thead>
<tr>
<th>Database</th>
<th>Records Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>US FLR</td>
<td>1</td>
</tr>
<tr>
<td>Canadian MCHR</td>
<td>1</td>
</tr>
<tr>
<td>CDC IPD</td>
<td>1</td>
</tr>
<tr>
<td>LCM</td>
<td>1</td>
</tr>
<tr>
<td>US Proc. History</td>
<td>99</td>
</tr>
<tr>
<td>Canadian Proc. Hist.</td>
<td>3</td>
</tr>
<tr>
<td>Found in</td>
<td>09</td>
</tr>
<tr>
<td>Inventory/Capability</td>
<td>23</td>
</tr>
<tr>
<td>APL</td>
<td>884</td>
</tr>
<tr>
<td>Navy OIF</td>
<td>247</td>
</tr>
<tr>
<td>Navy TRC</td>
<td>21</td>
</tr>
<tr>
<td>USMC JNL-5</td>
<td>21</td>
</tr>
<tr>
<td>US Army AASDP</td>
<td>1</td>
</tr>
<tr>
<td>Air Force (DAC)</td>
<td>08</td>
</tr>
<tr>
<td>Air Force (NMFU)</td>
<td>1</td>
</tr>
<tr>
<td>Air Force Intermine</td>
<td>155</td>
</tr>
</tbody>
</table>

4. Click a link in the **Records Found** column to view a table with applicable data for each database record.

Note that when you click the **Records Found** link for the Qualified Products Database (QPD), Haystack remembers the NIIN or the Part Number that was searched and displays it in the QPL document. Only search results for the particular NIIN or Part Number are displayed rather than a list of all of the records in that document.

In the QPD display, you can remove the NIIN or the Part Number refinement by clicking the **Clear All Refinements** button, and you can do further refinements using the search fields for Government Designation, NIIN, Manufacturer’s Designation, Manufacturer’s Name, and CAGE Code above each column in the results table, and then clicking the
Refine Products Within This QPL button.

**Note:** If you refine your results with a Manufacturer’s Name, enter entire words rather than wild cards. Otherwise, you may receive a message that the system has timed out. You also have the option to find the associated CAGE Code and Company Name in the CAGE Code results table at the bottom of the page. You can copy and paste—or manually enter—the CAGE Code into the CAGE Code refinement field to quickly filter for results that return the Manufacturer’s Name.

**Tip:** The Export Product List Data button exports your refined product list to a delimited text file or an Excel spreadsheet with an organized and readable layout and headers.

For users with Excel 2007, you may see an alert pop-up when opening the file. Click Yes and continue.
**Visual Search**

A Visual Search allows you to find items and the Item Name Codes (INC) based on a generic image.

To use the Visual Search feature:

1. Go to **Database > Visual Search**.
2. Enter **adapter connector** in the **INC Keyword(s)** field, and then press Search.

   A panel displays beneath your search panel listing the number of records found.

   ![Visual Search Results](image)

<table>
<thead>
<tr>
<th>ITEM NAME CODE</th>
<th>INC</th>
<th>Item Name Code Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>a123</td>
<td>inc1</td>
<td>ADAPTER,CABLE CLAMP TO CONNECTOR</td>
</tr>
<tr>
<td>b456</td>
<td>inc2</td>
<td>ADAPTER,CONNECTOR</td>
</tr>
<tr>
<td>c789</td>
<td>inc3</td>
<td>ADAPTER,CONNECTOR,FIBER OPTIC</td>
</tr>
</tbody>
</table>

3. Click the **asterisks (*)** in the **Def** column to view INC definitions.
4. Click your browser’s **Back** button to return to your results list.
5. Click the **Img** link in the **INC** column to view the images that are associated with the NIIN records that have the same INC (30415).

6. Click the first image displayed.
7. Click the **List NIINs that have this image**. A list of 646 NIINs is displayed.
8. Click NIIN **01-170-2609** (the first NIIN on the left) to view the FLIS, MCRL, and ML-C data associated with the NIIN.
Reference Material

There are several helpful DOD web sites and documents that you may find have useful information that may not be included in this guide.

Web Sites

Defense Logistics Agency
http://www.dla.mil/

Federal Aviation Administration
http://www.faa.gov/

Hazard Materials Information Resource System (HMIRS)
http://www.dlis.dla.mil/hmirs/

National Safety Council
http://www.nsc.org/

DoD (and Information Technology) Acronyms
http://www.dacs.dtic.mil/topics/acronym/acronyms.shtml

DOD Documents

The following documents contain code usage by the government and military agencies and other miscellaneous information. Many of these are accessible through the IHS Specs & Standards product.

(Document Number: DOD 4100.39-M, Volume 10)

(Document Number: DOD 4100.39-M, Volume 12)
Customer Support

If you have questions or need technical assistance, please contact IHS Support.

Customer Support for U.S. and Canadian customers is open Monday through Friday from 7 A.M. to 5 P.M. Mountain Time, between 8:30 AM and 5:30 PM Greenwich Mean Time for customers in Europe, the Middle East, Africa and India, and between 9 AM and 6 PM Hong Kong time (GMT +8).

You can also contact IHS for Haystack-specific comments by selecting Application Feedback under the About menu. This tool provides you with a quick and easy way to send questions, suggestions, comments, or report bugs concerning the product.

For More Information About IHS:

Worldwide   +1 303 397 2896 (USA/Canada)
U.S.          800 716 3447
Web           www.ihs.com

Library Number

PSM-09-058 1109 CD-ROM/PDF 524