

Engineering > Decision Support Tool

IHS Haystack Gold

Batch*Plus* and APL Batch Guide and Tutorial

July 24, 2009 – Ver. 6.0



The Source for Critical Information and Insight™

Batch*Plus* Guide and Tutorial
July 24, 2009

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What is Batch*Plus*?

Batch*Plus* is the name of a new and simplified Haystack Gold batch process. Redesigned onto one screen, batch features have been consolidated and streamlined in Batch*Plus*. As a result, you can run a simple batch or a more powerful *expert* batch on this single screen. The result is a smoother selection process, requiring fewer steps when you create a batch report.

The **Reports** menu has been simplified to list two options: **Batch Setup** and **Batch Status**. This is a change from the list of six options in previous releases of Haystack Gold.

Your choices

You do have the choice of continuing to use Batch Upload or Batch Input. However, the straight-forward and simplified approach of Batch*Plus* will eventually completely replace the Standard and Expert batch options in the Haystack Gold product.

When you use the batch process for the first time in this new release, you are presented with an introductory screen that explains Batch*Plus* and also provides you with links to Batch Upload and Batch Input, if you choose to use the older batch process. You also have the ability, if you are on the **Batch*Plus*** screen, to switch to **Batch Upload** or **Batch Input** by clicking one of the red buttons in the upper right corner of the Batch*Plus* Settings screen.

If you choose to try **Batch*Plus***, the next time you select **Reports**, and then **Batch Setup** from the Haystack menu, the application will take you automatically to the Batch*Plus* Settings screen. Again, if you want to change to Batch Upload or Batch Input, you can click one of the red buttons in the upper right corner.

How Batch*Plus* Differs from Batch Upload and Batch Input

The entire Batch*Plus* process, which offers greater functionality over the standard batch processes, is contained on one screen.

Fewer mandatory fields. The **Batch*Plus* Settings** screen contains fewer mandatory fields, which are marked with an asterisk. The fields are divided into a more logical workflow with four sections:

- Batch Settings
- Search Options
- Output Options
- Run Batch

Ability to enter an input file OR manually enter search terms on the same screen.

On the new **Batch*Plus*** screen, you can browse for and enter an input file OR manually enter search terms to retrieve current information based on search criteria such as Part Numbers, NIINs, or CAGE Codes. The regular batch process requires that you use two different screens and more entry fields for these choices.

Fewer required fields. There are fewer required fields on the **Batch*Plus*** screen. If you choose not to fill in a field, Haystack creates a default value where required.

Enhanced Search Options section. The Search Options section on the **Batch*Plus*** screen defaults to the FLIS database, simplifying the batch process for standard batch users. Whether you choose the FLIS or select another database, you are presented with the search options specific to that database. Fixed Width and Comma-Delimited formats are included in the options, so you do not have to select Fixed Width or Comma-Delimited in a separate step.

You can select **Exact Part Number Matching (with punctuation)** to create an output that only includes the Input Key Type you selected from the pull-down menu that matches a FLIS record with the exact same key type, including dashes, slashes, spaces, etc. With this option, it is assumed that no errors were generated in the input data when the file was created as a Batch Job.

Additionally, when you select **Include my search terms in the report**, the Search Term you enter appears in the batch report along with the NIIN, which is the default output part reference. You can, therefore, map the NIIN back to the search term you used in the Search Field option—for example, CAGE + Part Number Comma-delimited.

More output formats. The Output Options section gives you a wider variety of output formats to choose from, including pre-defined reports created by IHS or by users.

More logical work flow. Creating an output format from the Report Designer screen is more logically placed in the workflow, with buttons for Create and Edit in the Output Options section. The Report Designer screen provides additional detailed format options to create custom reports. You can name the report, choose the output format, and then select the data segments and fields you want exported.

Ability to save input file on the Haystack server. With *BatchPlus*, you have the ability to save your input files on the Haystack server for future re-use.



The BatchPlus Screens

The **BatchPlus Settings** screen gives you, in a smooth, logical sequence, the workflow steps, sections, and fields you need to create a batch report. The Create and Edit buttons in the Output Options section take you to the **Report Designer** and **Report Data Layout** screens where you can design a custom report. The **Batch Status** screen gives you a history of batch reports so you can view, download, and review the batch reports you have created.



BatchPlus Settings screen

The BatchPlus Settings screen is divided into four sections with the following fields:

- **Batch Settings** — *Title and Description*
- **Search Options** — *Database, Search Fields, Input File Name/Manually Enter Search Terms, Exact Part Number Matching (with punctuation), and Include my search terms in the report.*
- **Output Options** — *Format (Create and Edit), Output File Name, and Archive Type*
- **Run Batch** — *Save batch input on server, Batch name, Submit Batch, Reset and Saved Batches*

Red, rectangular buttons in the upper right corner give you the option of switching to the older  or .

When you specify the output format for your report in the Output Options section, Haystack organizes all the possible retrieved data into that format (for example, Default FLIS DBF Report, Default FLIS HTML Report, Default FLIS MS Excel Report, Default FLIS PDF Report, Default FLIS TXT Report).

To open the **Report Designer Settings** screen, described below, click either the  or the  buttons.

The screenshot shows the BatchPlus web interface with several sections highlighted by callout boxes:

- Batch Settings:** Includes fields for Title and Description. Callout: "The Title and Description (optional) you enter in these fields identify your report on the Batch Status page."
- Search Options:** Includes a Database dropdown (defaulting to Federal Logistics Information Service), Search Fields, and an Input File Name field. Callout: "The Database field defaults to the FLIS database, simplifying the search for standard batch users." Callout: "Depending on the database chosen, you are presented with the search options specific to that database. Fixed Width and Comma-Delimited formats are available for selection here, thus eliminating an additional step." Callout: "Selecting 'Include my search term' ensures that your Search Term appears in the batch report with the matched NIIN."
- Output Options:** Includes a Format dropdown, Output File Name, and Archive Type. Callout: "The Output Options section provides you with a variety of output formats to choose from, including pre-defined reports created by IHS or by the users themselves." Callout: "Exact Part Number Matching includes an exact FLIS match with input key and any dashes, slashes, spaces."
- Run Batch:** Includes a checkbox for "Save batch input on server?" and buttons for "Submit Batch", "Reset", and "Saved Batches". Callout: "The Run Batch section allows you to save a batch for future use, submit the batch for processing, or reset the form."

Additional callouts and features:

- Buttons for "BATCH UPLOAD" and "BATCH INPUT" are visible in the top right.
- Callout: "You can access the older Batch Upload and Batch Input screens from the BatchPlus screen."
- Callout: "The input file must be a text file with one search key or group of search keys (e.g., CAGE + Part Number) per line. Ex"
- Callout: "Include my search terms in the report" checkbox is checked.
- Callout: "Create" and "Edit" buttons are next to the Format dropdown.
- Callout: "Manually enter search terms" is a link near the Input File Name field.

Creating a Custom Output File – the Report Designer Settings screen

To custom design a batch report that organizes only the information you want, rather than all possible retrieved data (for example, you may only want the NIIN and Part No. or the Part No. and CAGE code from the FLIS database), click the **Create** button in the Output Options section to open the Report Designer Settings screen. If, as an alternative, you want to edit a report you created previously, click the **Edit** button.

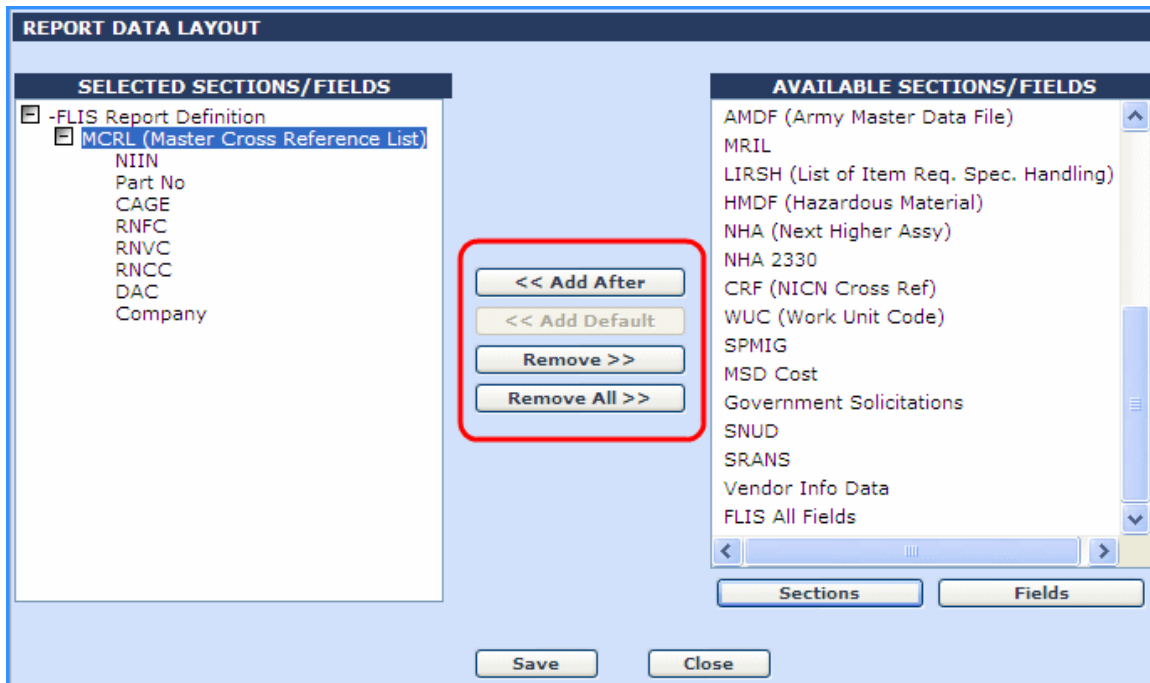
The screenshot displays the 'REPORT DESIGNER SETTINGS' interface. At the top, there is a navigation bar with 'Database', 'Reports', 'About', and 'Help' tabs, and buttons for 'Back To Search', 'Back To Brief', and 'Back To Summary'. The main form area includes a 'Database' dropdown menu set to 'Federal Logistics Information Service', 'Report Name' and 'Description' text input fields, a checked 'Show Headers' checkbox, and three 'Header' text input fields. Below these are configuration options for 'Type' (HTML), 'Field Separator' (Comma), 'Text Delimiters' (Double Quotes), and 'Record Delimiters' (CR/LF). A 'Layout' button at the bottom is highlighted with a red circle.

Report Data Layout screen

To select the sections and fields you want displayed in your customized report, click the **Layout** button on the **Report Designer Settings** screen. The following **Report Data**

Layout screen gives you the flexibility to define your report with the selected data you want to see.


As you select the sections and fields you want from the list on the right, use the **Add After** and **Remove** buttons to position the order you want sections and fields displayed in your report.

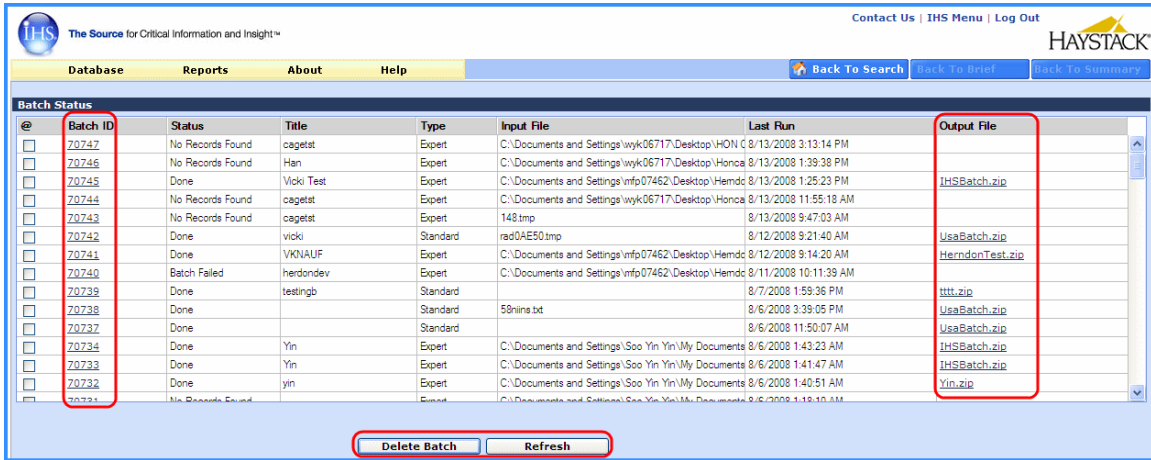


Batch Status screen

You can view the summary of recent batch reports by clicking **Reports** and then **Batch Status** on the Haystack menu.

- Clicking **Batch ID** opens a window with details about the report.
- Clicking the file name link in the **Output File** column allows you to download and open the report.
- You can delete a report by clicking the check box next to the report(s) you would like to delete and then clicking the **Delete Batch** button, or refresh the

Batch Status screen by clicking the  button at the bottom of the screen.



The screenshot displays the 'Batch Status' screen from the IHS Haystack application. The interface includes a navigation bar with 'Database', 'Reports', 'About', and 'Help' tabs, and a top right corner with 'Contact Us | IHS Menu | Log Out' and the 'HAYSTACK' logo. Below the navigation bar are buttons for 'Back To Search', 'Back To Brief', and 'Back To Summary'. The main content area is a table with the following columns: Batch ID, Status, Title, Type, Input File, Last Run, and Output File. The table contains 15 rows of data, with the first two columns (Batch ID and Status) highlighted in red. At the bottom of the screen, there are two buttons: 'Delete Batch' and 'Refresh', with the 'Refresh' button highlighted in red.

Batch ID	Status	Title	Type	Input File	Last Run	Output File
70747	No Records Found	cagetst	Expert	C:\Documents and Settings\wyk06717\Desktop\HONC	8/13/2008 3:13:14 PM	
70746	No Records Found	Han	Expert	C:\Documents and Settings\wyk06717\Desktop\HONC	8/13/2008 1:39:38 PM	
70745	Done	Vicki Test	Expert	C:\Documents and Settings\mfp07462\Desktop\Hemdc	8/13/2008 1:25:23 PM	IHSBatch.zip
70744	No Records Found	cagetst	Expert	C:\Documents and Settings\wyk06717\Desktop\HONC	8/13/2008 11:55:18 AM	
70743	No Records Found	cagetst	Expert	149.tmp	8/13/2008 9:47:03 AM	
70742	Done	vicki	Standard	rad0AE50.tmp	8/12/2008 9:21:40 AM	UsaBatch.zip
70741	Done	VKNNAUF	Expert	C:\Documents and Settings\mfp07462\Desktop\Hemdc	8/12/2008 9:14:20 AM	HerndonTest.zip
70740	Batch Failed	herdondev	Expert	C:\Documents and Settings\mfp07462\Desktop\Hemdc	8/11/2008 10:11:39 AM	
70739	Done	testingb	Standard		8/7/2008 1:59:36 PM	ttt.zip
70738	Done		Standard	58niins.txt	8/6/2008 3:39:05 PM	UsaBatch.zip
70737	Done		Standard		8/6/2008 11:50:07 AM	UsaBatch.zip
70734	Done	Yin	Expert	C:\Documents and Settings\Goo Yin Yin\My Documents	8/6/2008 1:43:23 AM	IHSBatch.zip
70733	Done	Yin	Expert	C:\Documents and Settings\Goo Yin Yin\My Documents	8/6/2008 1:41:47 AM	IHSBatch.zip
70732	Done	yin	Expert	C:\Documents and Settings\Goo Yin Yin\My Documents	8/6/2008 1:40:51 AM	Yin.zip
70731	No Records Found		Expert	C:\Documents and Settings\Goo Yin Yin\My Documents	8/6/2008 1:38:10 AM	

How to Use BatchPlus

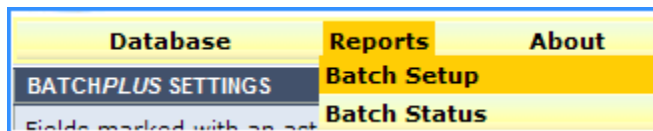
The following tutorials take you through two examples of searching Haystack by National/NATO Item Identification Numbers (NIINs).

- Manual search entry and default output formats
- File input search and custom batch reports

BatchPlus Manual Entry

This tutorial shows you how to create a batch report by entering your search criteria (NIINs) manually rather than by browsing for an input file stored on your computer. It also goes through the steps of setting a default output format (Default FLIS MS Excel Report) from the available drop-down list.

1. After you log in to Haystack Gold, select **Reports**, and then **Batch Setup**.



You are now at the BatchPlus Settings screen. All of the optional and required fields are available to you from this screen.



Note: Required fields have been marked with an asterisk (*). All other fields are optional.

First Section—Batch Settings

2. In the Title field, enter **Sample Batch**.
3. In the Description field, enter **Sample BatchPlus Manual Entry**.

This first section of the BatchPlus Settings screen gives you the ability to enter a

title and a description for your batch. Note that these two fields are not required; they are available to provide additional detail when you view your list of batches on the Batch Status screen. If you do not fill in these values, the batch system applies default values.

Second Section—Search Options

4. In the Database field, select **Federal Logistics Information Service**, which is the default setting. Users familiar with the older Batch Input and Batch Upload had this pre-selected for them and could not change this value.
5. From the drop-down list to the right of Search Fields, select **NSN** or **NIIN**.
6. To the right of the Input File Name field, click **Manually Enter Search Terms** to activate the search entry box.
7. Into the search entry box, enter **005347553**.
8. Optionally, select **Exact Part Number Matching (with punctuation)** and / or **Include my search terms in the report**.

Third Section—Output Options


9. In the Format field, select **(Standard) Default FLIS MS Excel Report** from the drop-down list.



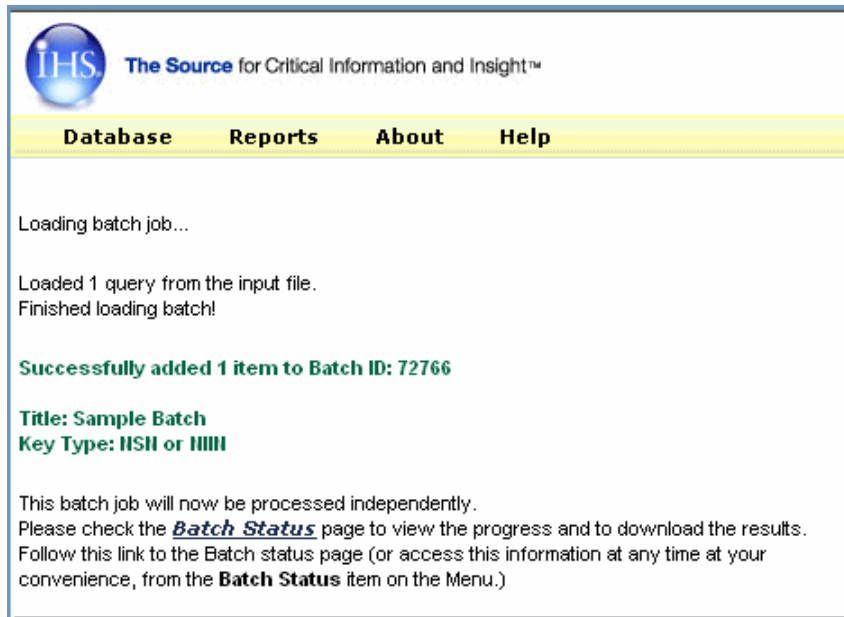
Note: Batch formats that existed in the older Batch Input and Batch Upload are available in the list of batches, identified with “(Standard)” preceding them.

10. In the Output File Name field, enter **ManualNIIN**. (Note that this field is optional and only filled in for the purpose of this example.)
11. For the Archive Type radio buttons, leave **PKZIP Compression** selected. Large batches will automatically be compressed.

Fourth Section—Run Batch

12. Leave **Save batch input on server** unchecked.
13. Click the  button.

Your search criteria are loaded into the batch system, and you are presented with a summary page of your batch jobs.



14. To view a list of your batch jobs, click the **Batch Status** link.

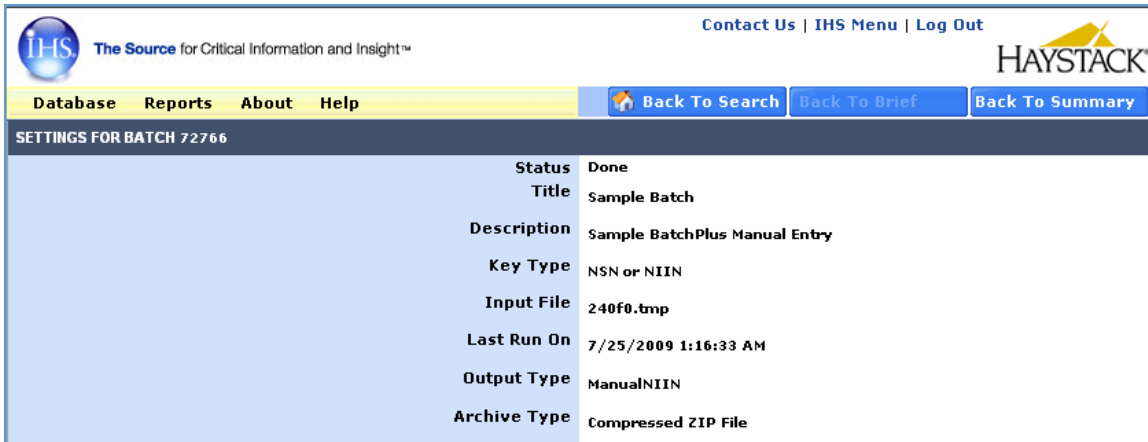
A list of all the batches you have processed is displayed on the **Batch Status** screen.

The screenshot displays the 'Batch Status' interface. At the top, there are navigation links: 'Database', 'Reports', 'About', and 'Help'. On the right, there are links for 'Contact Us | IHS Menu | Log Out' and the 'HAYSTACK' logo. Below these are buttons for 'Back To Search', 'Back To Brief', and 'Back To Summary'. The main content area is titled 'Batch Status' and includes a note: 'Completed batches will remain on the list for 30 days, after which time they will be deleted.' Below this is a table with the following data:

@	Batch ID	Status	Title	Type	Input File	Last Run	Output File
<input type="checkbox"/>	72766	Done	Sample Batch	Standard	2400.tmp	7/24/2009 7:16:33 PM	ManualNIIN.zip
<input type="checkbox"/>	72765	Done	Test_AEL_NIIN	BatchPlus	C:\Haystack\Haystack3.5\Work Items\11	7/24/2009 12:42:57 PM	Test_AEL_NIIN.zip
<input type="checkbox"/>	72764	Done	Test_AEL_PartNo	BatchPlus	C:\Haystack\Haystack3.5\Work Items\11	7/24/2009 12:32:04 PM	Test_AEL_PartNo.zip
<input type="checkbox"/>	72763	Done	Test_APL_PartNo	BatchPlus	C:\Haystack\Haystack3.5\Work Items\11	7/24/2009 12:16:58 PM	Test_APL_PartNo.zip
<input type="checkbox"/>	72761	Done	Test_APL_NIIN	BatchPlus	C:\Haystack\Haystack3.5\Work Items\11	7/24/2009 11:27:39 AM	Test_APL_NIIN.zip
<input type="checkbox"/>	72758	No Records Found	API text testing	BatchPlus	C:\Docs\Haystack\small niin.txt	7/23/2009 3:11:56 PM	
<input type="checkbox"/>	72757	No Records Found	APL text	BatchPlus	C:\Docs\Haystack\small niin.txt	7/23/2009 2:47:08 PM	
<input type="checkbox"/>	72756	Done	APL	BatchPlus	C:\Docs\Haystack\small niin.txt	7/23/2009 1:47:57 PM	IHSBatch.zip
<input type="checkbox"/>	72755	Done	APL text	BatchPlus	C:\Docs\Haystack\small niin.txt	7/23/2009 1:47:09 PM	IHSBatch.zip
<input type="checkbox"/>	72754	No Records Found	APL	BatchPlus	C:\Docs\Haystack\small niin.txt	7/23/2009 3:00:03 PM	
<input type="checkbox"/>	72753	No Records Found	APL report	BatchPlus	C:\Docs\Haystack\small niin.txt	7/23/2009 2:38:41 PM	
<input type="checkbox"/>	72752	Done	APL report	BatchPlus	C:\Docs\Haystack\small niin.txt	7/23/2009 1:41:06 PM	IHSBatch.zip
<input type="checkbox"/>	72751	Done	Testing APL report	BatchPlus	C:\Docs\Haystack\small niin.txt	7/23/2009 1:40:58 PM	IHSBatch.zip
<input type="checkbox"/>	72750	Done	Test_NFTD_CAGE	BatchPlus	9a205.tmp	7/22/2009 9:18:18 PM	Test_NFTD_CAGE.zip
<input type="checkbox"/>	72749	Done	Test	BatchPlus		7/22/2009 10:36:30 AM	Deustesting.zip

At the bottom of the screen, there are two buttons: 'Delete Batch' and 'Refresh'.

15. Click the hyperlinked **Batch ID** value to see a summary of the batch settings.

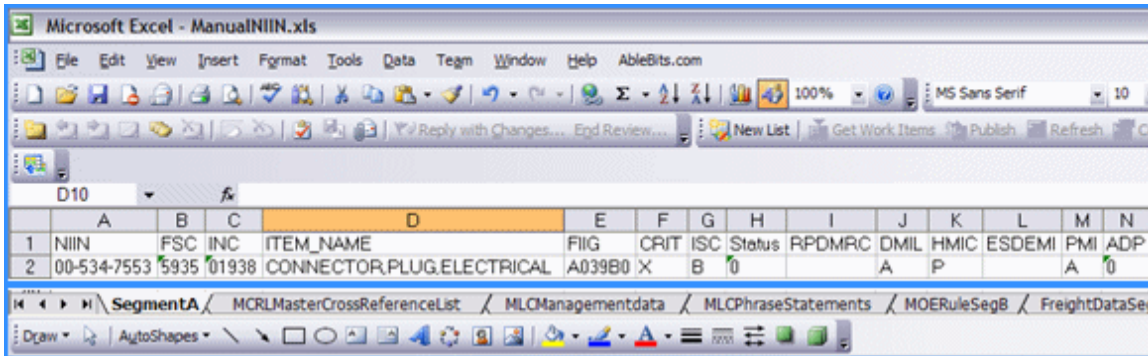


The screenshot shows the BatchPlus web interface. At the top, there is a navigation bar with links for 'Contact Us', 'IHS Menu', and 'Log Out'. Below this is a header with the IHS logo and the tagline 'The Source for Critical Information and Insight™'. The main navigation menu includes 'Database', 'Reports', 'About', and 'Help'. There are also buttons for 'Back To Search', 'Back To Brief', and 'Back To Summary'. The main content area is titled 'SETTINGS FOR BATCH 72766' and displays the following information:

Status	Done
Title	Sample Batch
Description	Sample BatchPlus Manual Entry
Key Type	NSN or NIIN
Input File	240f0.tmp
Last Run On	7/25/2009 1:16:33 AM
Output Type	ManualNIIN
Archive Type	Compressed ZIP File

16. Click your browser's **Back** button to return to the **Batch Status** screen.

17. To view the output Excel file in compressed format (ManualNIIN.zip), click the file name link in the **Output File** column on the far right.



The screenshot shows a Microsoft Excel spreadsheet titled 'ManualNIIN.xls'. The spreadsheet displays data from the FLIS database, organized into columns. The visible data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	NIIN	FSC	INC	ITEM_NAME	FIIG	CRIT	ISC	Status	RPDMRC	DMIL	HMIC	ESDEMI	PMI	ADP
2	00-534-7553	5935	01938	CONNECTOR,PLUG,ELECTRICAL	A03980	X	B	0		A	P		A	0

The spreadsheet also shows several tabs at the bottom: SegmentA, MCRLMasterCrossReferenceList, MLCManagementdata, MLCPhraseStatements, MOERuleSegB, and FreightDataSe.

A Microsoft Excel spreadsheet opens, containing all of the data that match your search criteria, as found in the FLIS database. Data from each segment has been consolidated into separate worksheets, which are available as tabs across the bottom of the spreadsheet. Data from 18 FLIS data segments is contained in the default output, including alternate part number information (MCRL), Procurement History, and Lists of Items Requiring Special Handling (LIRSH), etc.

Alternatively, if you entered a CAGE + Part Number Comma-delimited Search Term and checked **Include my search terms in the report**,

The screenshot shows the BatchPlus web interface. The 'Search Options' section is highlighted with a red box. It contains the following fields and options:

- Database:** Federal Logistics Information Service
- Search Fields:** CAGE + Part Number Comma-delimited
- Input File Name:** *** CHOOSE SEARCH FIELD(S) ***
- Manually Enter Search Terms:** Manually enter up to 500 search terms
- Include my search terms in the report:**

Other sections visible include 'Batch Settings' (Title, Description), 'Output Options' (Format, Output File Name, Archive Type), and 'Run Batch' (Save batch input on server?, Submit Batch, Reset, Saved Batches).

Your spreadsheet includes the Search Term you entered and the output default NIIN displayed next to each other in the report.

	A	B	C	D	E	F	G
1	SEARCH_TERM	NIIN	FSC	INC	ITEM_NAIFIG		CRIT
2	26848,00-24	000212042	5130	77777	ADAPTEFA23900		X
3							

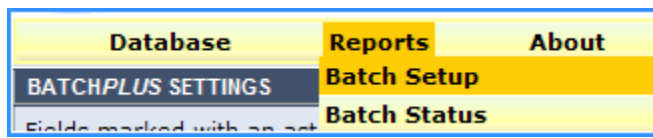
From these results, we know that NIIN 000212042 is the search result of the Search Term 24848,00-24.

You can save this file to your computer or print it.

BatchPlus Input and Custom Batch Reports

The second tutorial demonstrates using an input file for your search criteria and creating a custom format for your report.

1. After you log in to Haystack Gold, select **Reports**, and then **Batch Setup**.



You are now at the BatchPlus Settings screen. All of the optional and required fields are available to you from this screen.



Note: Required fields have been marked with an asterisk (*). All other fields are optional.

First Section—Batch Settings

2. In the **Batch Settings** section, leave both Title and Description blank.

Second Section—Search Options

3. In the Database field, select **Federal Logistics Information Service**, which is the default setting.
4. From the drop-down list to the right of Search Fields, select **NSN** or **NIIN**.

Third Section—Output Options

Creating an input file

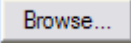

Before we can browse for an input file, we have to create and save NIIN search criteria in a text file (.txt) that you place in a folder on your computer.

1. Start Notepad, either by clicking the Windows **start** button, and then choosing **Run** or by pressing the **Windows Key** and **R** together.
2. In the Open field of the Run box, type **notepad**.
3. In Notepad, enter a list of NIINs, one per line, like the following:

```
005347553
000000079
000000101
```

4. Save your file with a name and to a location that you will be able to find, such as NIINBatch.txt in your My Documents folder.

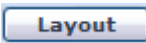
Now that you have created your input file, return to the third section of the *BatchPlus* Settings screen, which is Output Options.

5. To input a file, click the  button next to the Input File Name field.
6. Locate the NIINBatch.txt file you created.
7. Leave the default (“*** **CHOOSE OUTPUT FORMAT** ***”) in the Format field.
8. Click the  button.

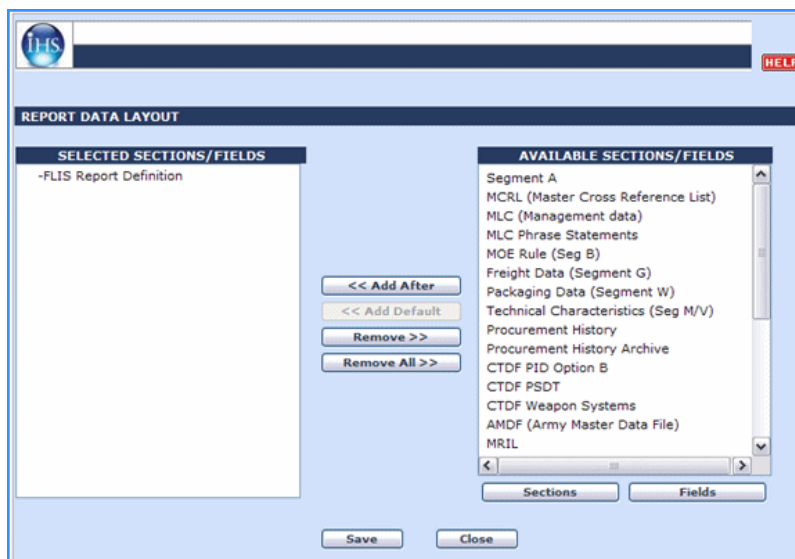
This launches the Report Designer Settings screen in a new browser window. This


screen allows you to create and save a custom report format that can be re-used and modified to suit your business needs.

Report Designer screen

1. In the Database field, select the default **Federal Logistics Information Service**.
2. In the Report Name field, give the report a meaningful name.
3. In the Description field, describe your report. This is optional; however, this field allows you to add descriptive information about the report format.
4. In the Show Headers section, leave all values blank (these headers only apply to PDF output).
5. In the Type field, select **MS Excel (*.xls)** from the drop-down list.
6. Click the  button.

This presents the Report Data Layout screen. From here you can select the database segments and fields to include in your report. Note that these database segments and fields are labeled the same as the fields you see in the Haystack display.



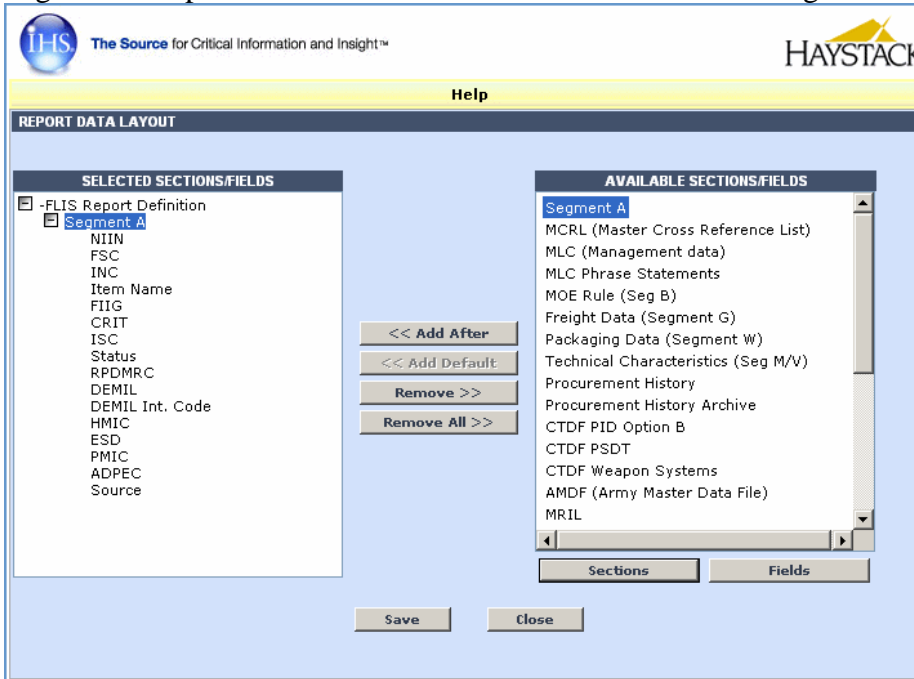
7. In the Available Sections/Fields pane, single click **Segment A**, and then click the  button in the middle of the screen.

Segment A is added below FLIS Report Definition in the Selected Sections/Field pane.



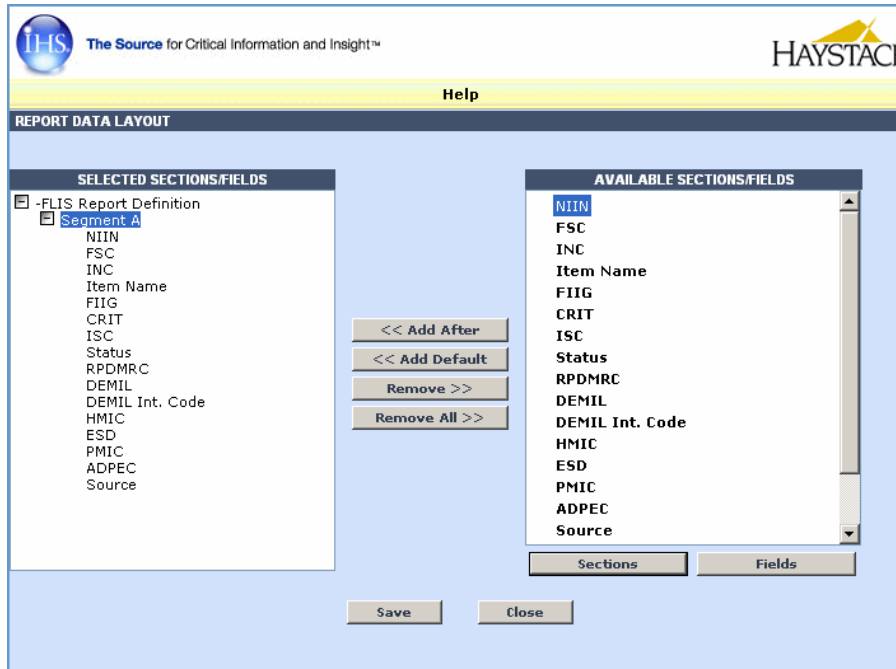
8. In the Selected Sections/Fields pane, click the plus sign (+) next to **Segment A**.

Segment A expands and a list of all of the fields in that data segment is displayed.



9. To see a list of all fields available in Segment A, click the

Fields



10. To remove a field, simply highlight it in the Selected Sections/Fields pane, and then click the

Remove >>

button. For example, highlight **ADPEC**, and then click the **Remove** button.



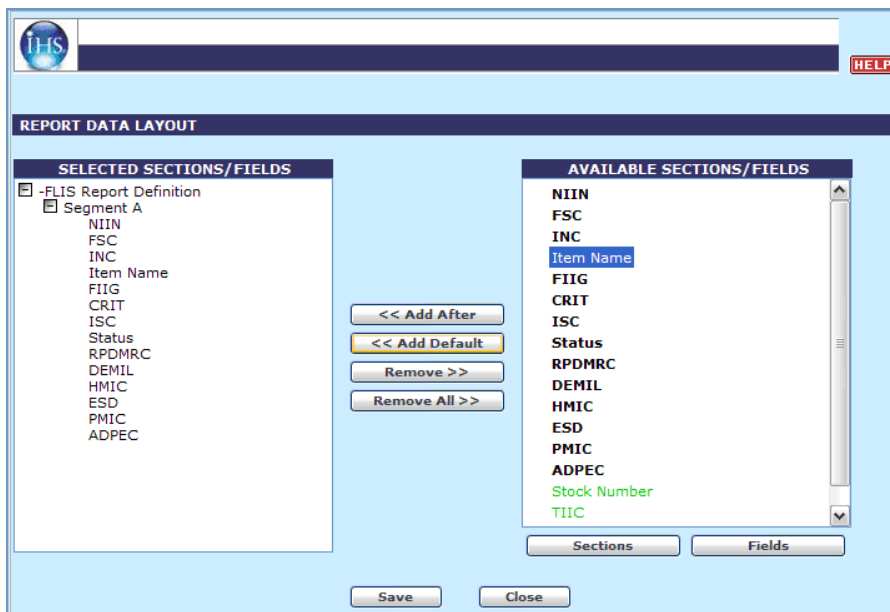
Note: Default Fields

The Report Data Layout screen defaults to the most commonly used fields in each data segment. These are displayed in bold in the Available Sections/Fields pane. Non-default fields are shown in green and can be selected the same way as default fields.

The **<< Add Default** button allows you to quickly select all of the default fields in a Section. This is useful when you are modifying a custom report data


layout and would like to quickly add a number of fields at one time. For example, if you want to add all of the default Segment A values to the existing layout shown below, simply click the **<< Add Default** button to select all of the fields in bold in Segment A.

The fields are copied to the Selected Sections/Fields pane.

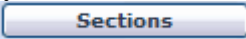




Creating a custom report format

As a tutorial example, let's create a custom report format to show some of the possibilities you can select for your custom design.

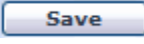
1. In the Selected Sections/Fields pane of the Report Data Layout screen, remove all of the fields below Segment A, except for NIIN, FSC, INC, and Item Name by highlighting each and clicking the  button.



2. To display the list of database segments in the Available Sections/Fields pane, click the  button below the pane.
3. In the Available Sections/Fields pane, highlight **MCRL (Master Cross Reference List)**, and then click the  button.
4. To expand the MCRL section in the Available Sections/Fields pane, click the  button below the pane.

5. In the Selected Sections/Fields pane, remove all of the fields below MCRL, except for Part No, CAGE, and Company. Your list should now look like the following example.

The screenshot shows a software interface with two main panes. The left pane, titled 'SELECTED SECTIONS/FIELDS', contains a tree view. Under '-FLIS Report Definition', 'Segment A' is expanded to show 'NIIN', 'FSC', 'INC', and 'Item Name'. Below that, 'MCRL (Master Cross Reference List)' is expanded to show 'Part No', 'CAGE', and 'Company'. The right pane, titled 'AVAILABLE SECTIONS/FIELDS', contains a list of fields: 'NIIN', 'Part No', 'CAGE', 'RNFC', 'RNVC', 'RNCC', 'DAC', 'Company', 'RNJC', 'RNSC', 'RNAAC', and 'SADC'. The 'Part No', 'CAGE', and 'Company' fields are highlighted in blue. Between the panes are four buttons: '<< Add After', '<< Add Default', 'Remove >>', and 'Remove All >>'. At the bottom of the interface are two buttons: 'Sections' and 'Fields'.

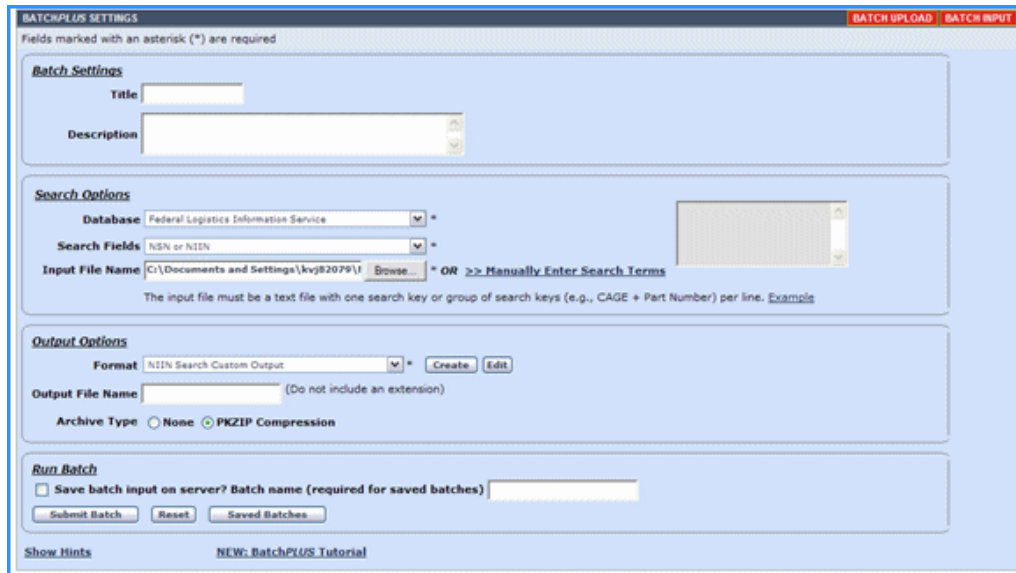
6. To save your setup, click the  button.

You are returned to the Report Designer Settings screen.

The screenshot shows a 'REPORT DESIGNER SETTINGS' dialog box. At the top, it says 'Record saved successfully'. Below that, there are several fields: 'Database' (Federal Logistics Information Service), 'Report Name' (NIIN Search Custom Output), and 'Description'. There is a checked checkbox for 'Show Headers'. Below that are three text input fields for 'Header1', 'Header2', and 'Header3'. A note says 'Note: Headers apply only to PDF'. Below that are several dropdown menus and text boxes for 'Type' (MS EXCEL (*.xls)), 'Field Separator' (Comma), 'Text Delimiters' (Double Quotes), and 'Record Delimiters' (CR/LF). At the bottom, there are five buttons: 'Reset', 'Layout', 'Save', 'Delete', and 'Close'. A note at the bottom says 'Note: Text delimiters apply only to TXT format.'

7. To save your settings, click the  button on this screen.

You are returned to the *BatchPlus* Settings screen.

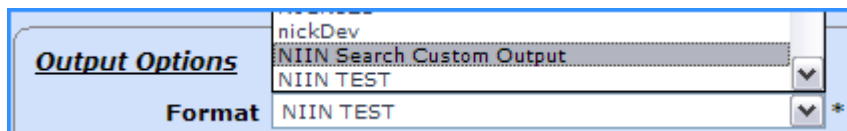


Completing the *BatchPlus* Settings screen


Now that you have created the format for your custom designed report and your input file is loaded, you can quickly finish the Output Options and Run Batch sections of *BatchPlus*.

Fourth Section—Output Options

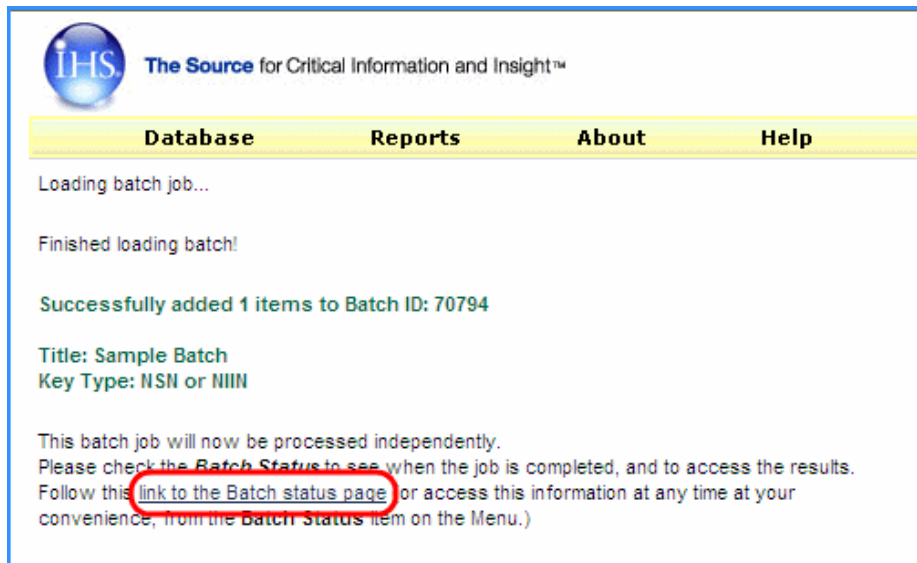
1. Select the output format you have just created (**NIIN Search Custom Output**) from the Format drop-down menu.



▼ **Tip:** Press the first letter of the name of the output format you created to quickly jump down the list of available output formats.

2. Leave the Output File Name field blank.
3. Leave the Archive type set to **PKZIP Compression**.
4. Click the  button.

Your search criteria are loaded into the batch system and you are presented with a summary page of your batch job.



5. Click “...[link to the Batch Status page](#)...” to view a list of your batch jobs.

The Batch Status screen displays a list of all of the batches you have processed.

Batch Status							
@	Batch ID	Status	Title	Type	Input File	Last Run	Output File
<input type="checkbox"/>	70757	Done		Expert	C:\Documents and Settings\kvj82079\My Docu	8/15/2008 3:35:19 PM	IHSBatch.zip

- Click the hyperlinked **Batch ID** value to see a summary of the batch settings. Click your browser's **Back** button to return to the Batch Status screen.

SETTINGS FOR BATCH 70756	
Status	Done
Title	Sample Batch
Description	Sample BatchPlus Manual Entry
Key Type	NIIN/NSN
Input File	283.tmp
Last Run On	8/15/2008 3:41:24 PM
Output Type	ManualNIIN.xls
Archive Type	PKZIP Compression

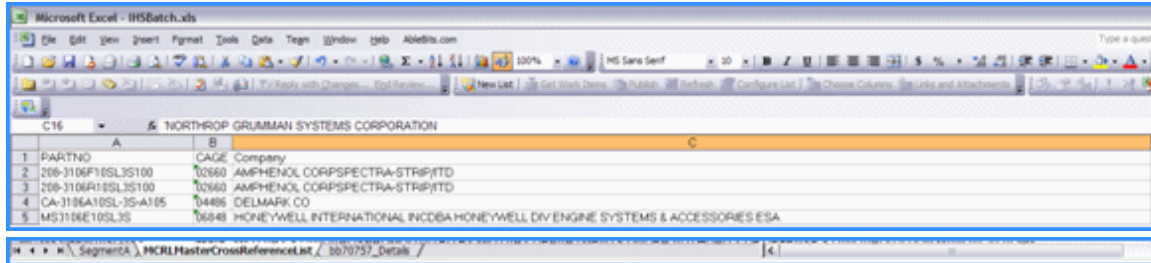
- To view the output Excel file that contains the results found in Haystack, click the file name link in the **Output File** column to the far right. The file in compressed format is named **IHSBatch.zip** because we did not give a name during creation.

Note that the Excel file only contains two worksheets, shown as tabs across the bottom. These two tabs match the Segment A and MCRL data segments that we selected earlier.

When viewing the data, note that the columns match the fields chosen in the previous steps—Segment A – NIIN, FSC, INC, Item Name, and MCRL – Part No, CAGE, and Company.

	A	B	C	D	E
1	NIIN	FSC	INC	ITEM_NAME	
2	00-000-0079	5310	13393	WASHER,FLAT	
3	00-000-0101	6240	03891	LAMP,FLUORESCENT	
4	00-534-7553	5935	01938	CONNECTOR,PLUG,ELECTRICAL	

SegmentA / MCRLMasterCrossReferenceList / bb70757 Details



The screenshot shows a Microsoft Excel spreadsheet with the following data:

	A	B	C
1	PARTNO	CAGE	Company
2	200-3106F10SL3S100	02660	AMPHENOL CORPSPECTRA-STRIP(FTD
3	200-3106F10SL3S100	02660	AMPHENOL CORPSPECTRA-STRIP(FTD
4	CA-3106A10SL-35-A105	04486	DELMARK CO
5	MS3106E10SL3S	06648	HONEYWELL INTERNATIONAL INCDBA HONEYWELL DIV ENGINE SYSTEMS & ACCESSORIES ESA

You can reuse the report format you created any time you wish. You, of course, must upload a text file (.txt) with NIINs you want to search on. You may edit this format at any time as well as use it as a template for new report formats in the future.

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.

3. Click the **Browse...** button and select a file you previously batched or saved as an ASCII Text file.
4. 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.

Create a New Output Format.	
Click OK to save. :	
Format Name	<input type="text"/>
Output Type	Select Output Type <input type="button" value="v"/>
For Delimited Output	Col. Names in First Row? <input type="checkbox"/>
	Field Delimiter <input type="text"/> Record Delimiter <input type="text"/> (defaults to CR/LF)
Data Selection	Select Data List <input type="button" value="v"/> <input type="button" value="Edit"/> <input type="button" value="Create"/>
Description	<input type="text"/>
<input type="button" value="OK"/> <input type="button" value="Clear All"/> <input type="button" value="Cancel"/>	

10. 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.
11. 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 **.htm** file format.
12. 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.
13. Click the link in the **Output File** column for your batch job to view the file.
14. 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).

Frequently Asked Questions (FAQ)

Check the following questions and answers for more information about Haystack BatchPlus.

1. *Q: I have trouble with batch when I upload my part number/CAGE Code file into batch. Why does Batch stall or break down?*
- A: Input files for Batch have to be text files. The input data can be created in applications such as Microsoft Word or Excel, but must be saved as a text (.txt) file, with one search term per line, before they can be loaded as batch input. Binary files (such as files with .doc or .xls extensions) are not supported by the batch system.

Input File Examples

Below are some example input files suitable for Batch processing. All input files are text only - one search term per line.

NSN or NIIN Searches

Search Term	Description
5835010606521	NSN without dashes (FSC + NIIN, length is 13 digits)
8132306	NIIN (008132306) without preceding zeros
006443091	NIIN (length of 9 digits)
5330-01-035-4985	NSN with dashes
00-000-0047	NIIN with dashes

Note that you can combine NSN or NIIN formats in one input file which means you could have the following list in one format file:

583501060652
8132306
5330-01-035-4985
00-000-0047

Part Number Searches

Part-number searches have the potential of resulting in more than one NIIN record returned for each part number. For a more exact search, use NIIN/NSN or CAGE + Part Number wherever possible. Only the first 32 characters of a part-number (not including punctuation) are used in the search. Punctuation in part numbers is not relevant; therefore, a search for Part Number 2-468 will yield NIIN records that include part numbers 2468, 2/468, 2-468, 2 468, etc.

Search Term	Description
2468	Part Number without punctuation
2-468	Part Number with punctuation
1234-KIT-00323	Part Number with alpha-numeric characters

Part Numbers plus CAGE Code Searches

Searches for Part Numbers combined with CAGE codes (Commercial and Government Entity or vendor codes) yield very precise results. The format is *CAGEPartNumber*, with no space between the CAGE code and the part number. Part numbers can be any length; however, only the first 32 characters (excluding punctuation) will be searched. CAGE codes are always 5 characters in length. Punctuation in part numbers is not relevant; therefore, a search of Part Number 2-468 will yield results that include part numbers 2468, 2/468, 2-468, etc.

CAGE + Part Number Fixed Width

Search Term	Description
24831112	CAGE code 24831, Part Number 112
75377360C25-0225	CAGE code 75377, Part Number 360C25-0225

CAGE + Part Number Comma-delimited

Search Term	Description
24831,112	CAGE code 24831, Part Number 112
75377,360C25-0225	CAGE code 75377, Part Number 360C25-0225

CAGE Codes Searches

This search yields the Vendor address information as found in the H4/H8 data. This information is also included, by default, in the output of the searches above.

Search Term	Description
75377	CAGE code (length = 5)
24831	
07426	