

ACCURIS

Haystack™ Gold

XML Web Services Quick Start Guide

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OVERVIEW

This document is designed to provide an overview of the Haystack Web Service Application and provides basic information regarding the Web Service, the supported operations, and the methods available to obtain results. Supported operations for the Web Service methods can be found at:

<https://webservices.haystack accuris.dev/Workbench/Service.asmx>

The Web Services provides five methods to obtain results:

- GetBriefResultsByCAGECodeAndPartNumber
- GetBriefResultsByPartno
- GetSummaryResultsByMultipleNIINs
- GetSummaryResultsByNIIN
- GetVendorResultsByCAGE

The Web Service Description is located at:

webservices.haystack accuris.dev/Workbench/Service.asmx?wsdl.

The WSDL file defines the Web Service that is available to your organization; your development platform will use this WSDL to generate an API to access the Web Service it defines.

RESOURCES

The following are online resources and files for Haystack web services:

1. Haystack Web Services [Home Page](#)
2. Haystack Web Services [Description](#)
3. Haystack Web Services [WSDL](#) (Web Services Definition Language)

DATA SEGMENTS IN THE WEB SERVICE

The following are high-level descriptions of the data segments returned in the Haystack web service. The fields in these segments closely match those found in the online application. [Click](#) to learn more about the data available in each segment (vendor data available [here](#)).

- **Segment A** – data that describes the item, such as name, date assigned, demilitarization information, precious metals and hazardous materials indicators and import/export codes.
- **MCRL** – part numbers and vendors/manufacturers, cataloged by DLA, including procure-ability status.
- **ML-C** – inter-departmental (e.g., from DLA to the Navy) transfer price.
- **ML-C Phrase** – additional item information including status and potential alternates.
- **Technical Characteristics** – item physical attribute data.
- **Procurement History** – active and historical sales data, including price, quantity, date, and vendor.
- **Related NIINs** – list of related items in a family / potential alternate stock-listed items. Related to I&S data.
- **MOE** – a list of item-specific purchase rules and which country and/or government entity applied them.
- **Interchangeable and Substitutable** – cross-reference of acceptable substitutions for an item, across branches of service.
- **Packaging** – item shipping attributes.
- **Freight** – shipping and receiving data.
- **CTDF** - technical characteristic information, additional approved manufacturers/part numbers, drawing numbers, and military specification references.
- **QPD** – NSNs, part numbers and manufacturers/vendors who have had their items qualified against a military specification.
- **Vendor Data** – company information.

SEARCH METHODS

The following are the ways that the web service can be searched. Each search method includes a set of mandatory and optional parameters and, depending on the search type, can accept single or multiple search terms in one query.

The optional parameters can be used to pass specific internal data to the web service and include such parameters as the number of items to return at a time, if there is more than one matching response, and which page of results to return.

The **CustomerTxID** optional parameter can be used to identify specific transactions if the web service is being called in a multi-threaded environment, or if there are multiple calls being made to the web service from different users or processes. It provides a way to identify which data return belongs to which query. Note that the web service itself does nothing with this data, other than return it back to the calling process.

GetFLISBriefResultsByCAGECodeAndPartNumber

- Retrieves basic FLIS Data for a **CAGE Code and Part Number** combination search.
- Supports from 1 to 250 CAGE/Part Number searches at a time.
- Does not support wildcards.
- Returns a results list of matching results, rather than full item details.
 - Best used to find matches and then determine specific data to retrieve, in a subsequent XML query.
 - Similar to Haystack's results list.

Mandatory Search Parameters

- Username
- Password
- CAGE code and part number, separated by |, multiple search terms separated by a semi-colon

Optional Search Parameters

- CustomerTxID – identifies a transaction (e.g., a search). Allows organizations who have deployed a multi-threaded environment to know from where a search originates. If you provide a value, a CustomerTxID element will be returned in the results with the same value.
- PageSize – sets the maximum number of items to return at one time. Since this is an *int* parameter, you must specify 0 to indicate the default maximum number of items in result of 100. You may also specify a number from 1 to 500.
- StartAt – sets the number of the results page to return. Since this is an *int* parameter, you must specify 0 to indicate the default (1). If number of items in first request was greater than Pagesize, to retrieve remaining results, add 1 to the previous number. Maximum value is 500.

Query example(s)

- Single CAGE code and part number:
6A920|123456
- Multiple CAGE codes and part numbers:
6A920|123456;01295|1234;90210|2345;etc.

GetFLISBriefResultsByPartNumber

- Retrieves basic FLIS Data for a **Part Number** search.
- Supports from a single part number, a single part number with wildcards, or up to 250 **exact** part numbers,
- Returns a results list of matching results, rather than full item details.
 - Best used to find matches and then determine specific data to retrieve, in a subsequent XML query.
 - Similar to Haystack's results list.

Mandatory Search Parameters

- Username
- Password
- Part Number, multiple part numbers separated by a semi-colon

Optional Search Parameters

- CustomerTxID – identifies a transaction (e.g., a search). Allows organizations who have deployed a multi-threaded environment to know from where a search originates. If you provide a value, a CustomerTxID element will be returned in the results with the same value.
- PageSize – sets the maximum number of items to return at one time. Since this is an **int** parameter, you must specify 0 to indicate the default maximum number of items in result of 100. You may also specify a number from 1 to 500.
- StartAt – sets the number of the results page to return. Since this is an **int** parameter, you must specify 0 to indicate the default (1). If number of items in first request was greater than Pagesize, to retrieve remaining results, add 1 to the previous number. Maximum value is 500.

Query example(s)

- Single part number: 123456
- Single part number with wildcard: 123*56
- Multiple exact part numbers: 1234;2345;3456;etc.

GetFLISSummaryResultsByMultipleNIINs

- Retrieves detailed FLIS data for one or more **NIINs** or **NSNs**.
- Supports from 1 to 100 **exact** NIIN/NSN searches at a time.
- Does not support wildcards.
- Supports NIINs/NSNs with or without dashes.
- Returns full item details for the selected data segments.
 - Best used to find all data related to an item or items.
 - Similar to Haystack's Details/Summary page.

Mandatory Search Parameters

- Username
- Password
- NIIN – supports both NSNs and NIINs, with or without dashes.

Optional Search Parameters

- DataSegments – which define the databases that will return data in the response. Optional parameter. If parameter is null or is an empty string, all Data Segments will be in the results. You may specify one or more of these Data Segments in a list delimited by semicolon or comma. Segments available are: Segment A, MCRL, MLC, MLC_Phrase, TechChar, ProH, RelatedNIIN, MOE, I&S, Packaging, Freight, CTDF, QPD
- CustomerTxID – identifies a transaction (e.g., a search). Allows organizations who have deployed a multi-threaded environment to know from where a search originates. If you provide a value, a CustomerTxID element will be returned in the results with the same value.

Query example(s)

- Single NIIN: 000108666
- Multiple NIINs: 000108666;005347553;etc.
- NSN with dashes: 5910-00-010-8666

GetFLISSummaryResultsByNIIN

- Retrieves detailed FLIS Data for a **single NIIN**.
- Supports either NIIN or NSN, with or without dashes.
- Does not support wildcards.
- Returns detailed data for an item.
 - Best used to find all data related to a single item.
 - Similar to Haystack's Details/Summary page.

Mandatory Search Parameters

- Username
- Password
- NIIN

Optional Search Parameters

- DataSegments – which define the databases that will return data in the response. Optional parameter. If parameter is null or is an empty string, all Data Segments will be in the results. You may specify one or more of these Data Segments in a list delimited by semicolon or comma. Segments available are: Segment A, MCRL, MLC, MLC_Phrase, TechChar, ProH, RelatedNIIN, MOE, I&S, Packaging, Freight, CTDF, QPD
- CustomerTxID – identifies a transaction (e.g., a search). Allows organizations who have deployed a multi-threaded environment to know from where a search originates. If you provide a value, a CustomerTxID element will be returned in the results with the same value.

Query example(s)

- NIIN: 000108666
- NSN: 5910000108666
- NSN with dashes: 5910-00-010-8666

GetVendorResultsByCAGE

- Retrieves Vendor data for a **single CAGE Code**.
- Must be exact 5-character alphanumeric CAGE code; does not support wildcards.
- Returns a company's vendor record.

Mandatory Search Parameters

- Username
- Password
- CAGE code

Optional Search Parameters

- DataSegments – leave blank to get all; or select either CAGE_CODE_H4_H8 and/or CCR.
- CustomerTxID – identifies a transaction (e.g., a search). Allows organizations who have deployed a multi-threaded environment to know from where a search originates. If you provide a value, a CustomerTxID element will be returned in the results with the same value.

Query example(s)

- Single CAGE code: 6A920

QUERYING THE WEB SERVICE USING SOAPUI

You can easily test the web service, using desktop tools that allow you to pass credentials and queries. These tools include Postman, and SoapUI, which are both free.

The following examples are using the SoapUI application. Make sure to download the project files from the [Resources page](#) , which provide pre-defined search methods that you can modify and test with.

Here are the steps to get up and running with the web service:

Setting Up Your Test Environment

1. Download and install SoapUI or Postman.
2. Download the Haystack XML sample project(s).
 - a. Each project includes examples for each search method, with variations for many of them.
3. Launch SoapUI or Postman and import the project file into your chosen application.
4. In each of the search methods replace **{{YOUR USER NAME}}** and **{{YOUR PASSWORD}}** with your supplied credentials.

SEARCH METHOD EXAMPLES

GetFLISBriefResultsByCAGECodeAndPartNumber

When you click on the [GetFLISBriefResultsByCAGECodeAndPartNumber](#) link, you will see example request and response envelopes. SOAP 1.2 is the preferred version, because it will provide better interoperability between different technology platforms.

Notes:

- The elements `PageSize` and `StartAt` are normally not necessary. If you do not provide them, the default values that the Web Service uses are:
- `Pagesize` 100 (the maximum number of items that will be returned)
- `StartAt` 1
- Note: (these two elements only accept an integer value if they are present)
- Supply your account Username / Password
- `CAGECodeAndPartNumber` is CAGE Code and Part Number combination to search for. CAGE Code and Part Number must be separated by the pipe character "|". The 5-character CAGE Code must be first, followed by the pipe character "|", followed by the Part Number. Can be an exact single CAGE Code and Part Number combination, or a list of up to 250 exact CAGE Code and Part Number combinations delimited by semicolon.

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The placeholders shown need to be replaced with actual values.

```

POST /Workbench/Service.asmx HTTP/1.1
Host: hooks.ihserc.com
Content-Type: application/soap+xml; charset=utf-8 Content-
Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/
XMLSchema"
  xmlns:soap12="http://www.w3.org/2003/05/soapenvelope">
  <soap12:Body>
    <GetFLISBriefResultsByCAGECodeAndPartNumber
xmlns="https://hooks.ihserc.com/Workbench/Service.asmx">
      <Username>string</Username>
      <Password>string</Password>
      <CAGECodeAndPartNumber>string</CAGECodeAndPartNumber>
      <CustomerTxID>string</CustomerTxID>
      <PageSize>int</PageSize>
      <StartAt>int</StartAt>
    </GetFLISBriefResultsByCAGECodeAndPartNumber>
  </soap12:Body>
</soap12:Envelope>

```

HTTP/1.1 200 OK
 Content-Type: application/soap+xml; charset=utf-8 Content-
 Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soap12="http://www.w3.org/2003/05/soapenvelope">
  <soap12:Body>
    <GetFLISBriefResultsByCAGECodeAndPartNumberResponse
      xmlns="https://hooks.ihserc.com/Workbench/Service.asmx">
    <GetFLISBriefResultsByCAGECodeAndPartNumberResult>
      <StartAtItem>int</StartAtItem>
      <ItemCount>int</ItemCount>
      <MoreItemsAvailable>boolean</MoreItemsAvailable>
      <FLIS_Brief_List>
        <FLIS_Item>
          <NIIN>string</NIIN>
          <FSC>string</FSC>
          <ISC>string</ISC>
          <ItemName>string</ItemName>
          <INC>string</INC>
          <PartNumber>string</PartNumber>
          <RNCC>string</RNCC>
          <RNVC>string</RNVC>
          <CAGE>string</CAGE>
          <VendorName>string</VendorName>
          <Price>decimal</Price>
        </FLIS_Item>
        <FLIS_Item>
          <NIIN>string</NIIN>
          <FSC>string</FSC>
          <ISC>string</ISC>
          <ItemName>string</ItemName>
          <INC>string</INC>
          <PartNumber>string</PartNumber>
          <RNCC>string</RNCC>
          <RNVC>string</RNVC>
          <CAGE>string</CAGE>
          <VendorName>string</VendorName>
          <Price>decimal</Price>
        </FLIS_Item>
      </FLIS_Brief_List>
      <CustomerTxId>string</CustomerTxId>
      <StatusCode>int</StatusCode>
      <StatusMessages>
        <string>string</string>
        <string>string</string>
      </StatusMessages>
    </GetFLISBriefResultsByCAGECodeAndPartNumberResult>
  </GetFLISBriefResultsByCAGECodeAndPartNumberResponse>
</soap12:Body>
</soap12:Envelope>
```

GetFLISBriefResultsByPartNumber

When you click on the GetFLISBriefResultsByPartNumber link, you will see example request and response envelopes. SOAP 1.2 is the preferred version, because it will provide better interoperability between different technology platforms.

Notes:

- The elements PageSize and StartAt are normally not necessary. If you do not provide them, the default values that the Web Service uses are:
- Pagesize 100 (the maximum number of items that will be returned)
- StartAt 1
- Note: (these two elements only accept an integer value if they are present)
- Supply your account Username / Password
- Part Numbers can be an exact single part number, a single part number with a wild- card, or a list of up to 250 exact part numbers delimited by a semicolon. Wildcards which are supported are “*” and “%” which are used to replace multiple characters; or underscore “_” to replace a single character.

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The placeholders shown need to be replaced with actual values.

```
POST /Workbench/Service.asmx HTTP/1.1
Host: hooks.ihserc.com
Content-Type: application/soap+xml; charset=utf-8 Content-
Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soap12="http://www.w3.org/2003/05/soapenvelope">
  <soap12:Body>
    <GetFLISBriefResultsByPartNumber
      xmlns="https://hooks.ihserc.com/Workbench/Service.asmx">
      <Username>string</Username>
      <Password>string</Password>
      <PartNumber>string</PartNumber>
      <CustomerTxID>string</CustomerTxID>
      <PageSize>int</PageSize>
      <StartAt>int</StartAt>
    </GetFLISBriefResultsByPartNumber>
  </soap12:Body>
</soap12:Envelope>
```

```
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8 Content-
Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/
XMLSchema"
  xmlns:soap12="http://www.w3.org/2003/05/soapenvelope">
  <soap12:Body>
    <GetFLISBriefResultsByPartNumberResponse
      xmlns="https://hooks.ihserc.com/Workbench/Service.asmx">
      <GetFLISBriefResultsByPartNumberResult>
```

```

<StartAtItem>int</StartAtItem>
<ItemCount>int</ItemCount>
<MoreItemsAvailable>boolean</MoreItemsAvailable>
<FLIS_Brief_List>
  <FLIS_Item>
    <NIIN>string</NIIN>
    <FSC>string</FSC>
    <ISC>string</ISC>
    <ItemName>string</ItemName>
    <INC>string</INC>
    <PartNumber>string</PartNumber>
    <RNCC>string</RNCC>
    <RNVC>string</RNVC>
    <CAGE>string</CAGE>
    <VendorName>string</VendorName>
    <Price>decimal</Price>
  </FLIS_Item>
  <FLIS_Item>
    <NIIN>string</NIIN>
    <FSC>string</FSC>
    <ISC>string</ISC>
    <ItemName>string</ItemName>
    <INC>string</INC>
    <PartNumber>string</PartNumber>
    <RNCC>string</RNCC>
    <RNVC>string</RNVC>
    <CAGE>string</CAGE>
    <VendorName>string</VendorName>
    <Price>decimal</Price>
  </FLIS_Item>
</FLIS_Brief_List>
<CustomerTxId>string</CustomerTxId>
<StatusCode>int</StatusCode>
<StatusMessages>
  <string>string</string>
<string>string</string>
  </StatusMessages>
  </GetFLISBriefResultsByPartNumberResult>
</GetFLISBriefResultsByPartNumberResponse>
</soap12:Body>
</soap12:Envelope>

```

GetFLISSummaryResultsByMultipleNIINs

When you click on the GetFLISSummaryResultsByMultipleNIINs link, you will see example request and response envelopes. SOAP 1.2 is the preferred version, because it will provide better interoperability between different technology platforms.

Notes:

- Supply your account Username / Password.
- Supply your NIIN and optional transaction ID.
- The NIIN element will accept either the 13 character NSN or the 9 character NIIN; any dashes will be removed before searching. If you provide a 13 character NSN, the beginning 4 characters (which is the FSC code) will be removed, and the 9 character NIIN value will be used for the actual internal searching. NIIN to search for. Must be an exact NIIN or NSN, or a list of up to 100 exact NIINs or NSNs delimited by semicolon. The NIINs or NSNs can be provided with or without dashes.

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The placeholders shown need to be replaced with actual values.

```
POST /Workbench/Service.asmx HTTP/1.1
Host: hooks.ihserc.com
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <GetFLISSummaryResultsByMultipleNIINs
      xmlns="https://hooks.ihserc.com/Workbench/Service.asmx">
      <Username>string</Username>
      <Password>string</Password>
      <NIIN>string</NIIN>
      <DataSegments>string</DataSegments>
      <CustomerTxID>string</CustomerTxID>
    </GetFLISSummaryResultsByMultipleNIINs>
  </soap12:Body>
</soap12:Envelope>

HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <GetFLISSummaryResultsByMultipleNIINsResponse
      xmlns="https://hooks.ihserc.com/Workbench/Service.asmx">
      <GetFLISSummaryResultsByMultipleNIINsResult>
        <SegmentA>
          <SegmentA_Item>
            <NIIN>string</NIIN>
            <FSC>string</FSC>
```

```

        <ItemName>string</ItemName>
        <INC>string</INC>
        <CRIT>string</CRIT>
        <ISC>string</ISC>
        <NIIN_Status>string</NIIN_Status>
        <TIIC>string</TIIC>
        <RPDMRC>string</RPDMRC>
        <ADP>string</ADP>
        <DEMIL>string</DEMIL>
        <Demil_Int_Code>string</Demil_Int_Code>
        <HMIC>string</HMIC>
        <ESDEMI>string</ESDEMI>
        <PreciousMetals>string</PreciousMetals>
        <HCC>string</HCC>
        <Sched_B>string</Sched_B>
        <ENAC>string</ENAC>
        <AssignDate>dateTime</AssignDate>
    </SegmentA_Item>
    <SegmentA_Item>
        <NIIN>string</NIIN>
        <FSC>string</FSC>
        <ItemName>string</ItemName>
        <INC>string</INC>
        <CRIT>string</CRIT>
        <ISC>string</ISC>
        <NIIN_Status>string</NIIN_Status>
        <TIIC>string</TIIC>
        <RPDMRC>string</RPDMRC>
        <ADP>string</ADP>
        <DEMIL>string</DEMIL>
        <Demil_Int_Code>string</Demil_Int_Code>
        <HMIC>string</HMIC>
        <ESDEMI>string</ESDEMI>
        <PreciousMetals>string</PreciousMetals>
        <HCC>string</HCC>
        <Sched_B>string</Sched_B>
        <ENAC>string</ENAC>
        <AssignDate>dateTime</AssignDate>
    </SegmentA_Item>
</SegmentA>
<MCRL>
    <MCRL_Item>
        <NIIN>string</NIIN>
        <FSC>string</FSC>
        <PartNumber>string</PartNumber>
        <RNCC>string</RNCC>
        <RNVC>string</RNVC>
        <RNFC>string</RNFC>
        <RNJC>string</RNJC>
        <RNSC>string</RNSC>
        <RNAAC>string</RNAAC>
        <SADC>string</SADC>
        <DAC>string</DAC>
        <HCC>string</HCC>
        <MSDSID>string</MSDSID>
        <CAGE>string</CAGE>
        <VendorName>string</VendorName>
        <Address1>string</Address1>
        <Address2>string</Address2>
        <City>string</City>
        <State>string</State>
        <PostalCode>string</PostalCode>
        <PhoneNo>string</PhoneNo>
        <FaxNo>string</FaxNo>
        <ReplacedbyCAGE>string</ReplacedbyCAGE>
    </MCRL_Item>
</MCRL>

```

```

        <AssociatedCAGE>string</AssociatedCAGE>
        <CompanyStatus>string</CompanyStatus>
        <CompanySize>string</CompanySize>
        <BusinessType>string</BusinessType>
    </MCRL_Item>
<MCRL_Item>
    <NIIN>string</NIIN>
    <FSC>string</FSC>
    <PartNumber>string</PartNumber>
    <RNCC>string</RNCC>
    <RNVC>string</RNVC>
    <RNFC>string</RNFC>
    <RNJC>string</RNJC>
    <RNSC>string</RNSC>
    <RNAAC>string</RNAAC>
    <SADC>string</SADC>
    <DAC>string</DAC>
    <HCC>string</HCC>
    <MSDSID>string</MSDSID>
    <CAGE>string</CAGE>
    <VendorName>string</VendorName>
    <Address1>string</Address1>
    <Address2>string</Address2>
    <City>string</City>
    <State>string</State>
    <PostalCode>string</PostalCode>
    <PhoneNo>string</PhoneNo>
    <FaxNo>string</FaxNo>
    <ReplacedbyCAGE>string</ReplacedbyCAGE>
    <AssociatedCAGE>string</AssociatedCAGE>
    <CompanyStatus>string</CompanyStatus>
    <CompanySize>string</CompanySize>
    <BusinessType>string</BusinessType>
</MCRL_Item>
</MCRL>
<MLC>
    <MLC_Item>
        <NIIN>string</NIIN>
        <FSC>string</FSC>
        <SA>string</SA>
        <SOS>string</SOS>
        <MCD>string</MCD>
        <UI>string</UI>
        <UICF>string</UICF>
        <QUP>string</QUP>
        <AAC>string</AAC>
        <SLC>string</SLC>
        <RC>string</RC>
        <CIIC>string</CIIC>
        <EffectiveDate>dateTime</EffectiveDate>
        <USC>string</USC>
        <Price>decimal</Price>
    </MLC_Item>
    <MLC_Item>
        <NIIN>string</NIIN>
        <FSC>string</FSC>
        <SA>string</SA>
        <SOS>string</SOS>
        <MCD>string</MCD>
        <UI>string</UI>
        <UICF>string</UICF>
        <QUP>string</QUP>
        <AAC>string</AAC>
        <SLC>string</SLC>
        <RC>string</RC>

```

```

        <CIIC>string</CIIC>
        <EffectiveDate>dateTime</EffectiveDate>
        <USC>string</USC>
        <Price>decimal</Price>
    </MLC_Item>
</MLC>
<MLC_Phrase>
    <MLC_Phrase_Item>
        <NIIN>string</NIIN>
        <FSC>string</FSC>
        <SA>string</SA>
        <PhraseCode>string</PhraseCode>
        <PhraseStmt>string</PhraseStmt>
    </MLC_Phrase_Item>
    <MLC_Phrase_Item>
        <NIIN>string</NIIN>
        <FSC>string</FSC>
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</accr12:Body>

```

GetFLISSummaryResultsByNIIN

When you click on the [GetFLISSummaryResultsByNIIN](#) link, you will see example request and response envelopes. SOAP 1.2 is the preferred version, because it will provide better interoperability between different technology platforms.

Notes:

- Supply your account Username / Password.
- Supply your NIIN and optional transaction ID.
- The NIIN element will accept either the 13 character NSN or the 9 character NIIN; any dashes will be removed before searching. If you provide a 13 character NSN, the beginning 4 characters (which is the FSC code) will be removed, and the 9 character NIIN value will be used for the actual internal searching. NIINs must be an exact NIIN or NSN which can be provided with or without dashes.

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The placeholders shown need to be replaced with actual values.

```
POST /Workbench/Service.asmx HTTP/1.1
Host: hooks.ihserc.com
Content-Type: application/soap+xml; charset=utf-8 Content-
Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soap12="http://www.w3.org/2003/05/soapenvelope">
  <soap12:Body>
    <GetFLISSummaryResultsByNIIN
      xmlns="https://hooks.ihserc.com/Workbench/Service.asmx">
      <Username>string</Username>
      <Password>string</Password>
      <NIIN>string</NIIN>
      <DataSegments>string</DataSegments>
      <CustomerTxID>string</CustomerTxID>
    </GetFLISSummaryResultsByNIIN>
  </soap12:Body>
</soap12:Envelope>
```

```
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8 Content-
Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8 Content-
Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetFLISSummaryResultsByNIINResponse      xmlns="https://hooks.ihserc.com/Workbench/Service.asmx">
      <GetFLISSummaryResultsByNIINResult>
```

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```

```

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GetVendorResultByCAGE

When you click on the GetVendorResultByCAGE link, you will see example request and response envelopes. SOAP 1.2 is the preferred version, because it will provide better interoperability between different technology platforms.

Notes:

- Supply your account Username / Password.
- Supply your CAGE and optional transaction ID.
- The CAGE element will accept a single 5 character CAGE code.

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The placeholders shown need to be replaced with actual values.

```
POST /Workbench/Service.asmx HTTP/1.1
Host: hooks.ihserc.com
Content-Type: application/soap+xml; charset=utf-8 Content-
Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soap12="http://www.w3.org/2003/05/soapenvelope">
  <soap12:Body>
    <GetVendorResultByCAGE
      xmlns="https://hooks.ihserc.com/Workbench/Service.asmx">
      <Username>string</Username>
      <Password>string</Password>
      <CAGE>string</CAGE>
      <DataSegments>string</DataSegments>
      <CustomerTxID>string</CustomerTxID>
    </GetVendorResultByCAGE>
  </soap12:Body>
</soap12:Envelope>

HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8 Content-
Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope
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  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soap12="http://www.w3.org/2003/05/soapenvelope">
  <soap12:Body>
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      xmlns="https://hooks.ihserc.com/Workbench/Service.asmx">
      <GetVendorResultByCAGEResult>
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          <Replacedby_CAGE_Code>string</Replacedby_CAGE_Code>
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  </soap12:Body>
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