

S&P Global Haystack™ Gold

XML Web Services Quick Start Guide

Haystack XML
Web Services
Quick Start Guide

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S&P Global
Engineering Solutions

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Overview

This document is designed to provide an overview of the S&P Global Haystack Web Service Application and provides basic information regarding the Web Service, the operations supported, and the methods available to obtain results. Supported operations for the Web Service methods can be found at: <https://hooks.ihserc.com/Workbench/Service.asmx> The Web Services provides five methods to obtain results:

- GetBriefResultsByCAGECodeAndPartNumber
- GetBriefResultsByPartno
- GetSummaryResultsByMultipleNiins
- GetSummaryResultsByNiin
- GetVendorResultsByCAGE

The Web Service Description is located at: <https://hooks.ihserc.com/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.

Haystack Web Services

The following operations are supported. For a formal definition, please review the Service Description.

GetFLISBriefResultsByCAGECodeAndPartNumber

Summary: Retrieves Basic FLIS Data for a CAGE Code and Part Number combination. See the Documentation Home for details about the elements in the results.

Parameters:

- Username Username for account, provided by S&P Global.
- Password Password for account, provided by S&P Global.
- CAGECodeAndPartNumber 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.
- CustomerTxID Optional parameter used to identify the transaction. If you provide a value, a CustomerTxID element will be returned in the results with the same value.
- PageSize 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 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.

GetFLISBriefResultsByPartNumber

Summary: Retrieves Basic FLIS Data for a Part Number. See the Documentation Home for details about the elements in the results.

Parameters:

- Username Username for account, provided by S&P Global.
- Password Password for account, provided by S&P Global.
- PartNumber Part Number to search for. Can be an exact single part number, a single part number with wild cards, or a list of up to 250 exact part numbers delimited by semicolon.
- CustomerTxID Optional parameter used to identify the transaction. If you provide a value, a CustomerTxID element will be returned in the results with the same value.
- PageSize 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 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.

GetFLISSummaryResultsByMultipleNIINs

Summary: Retrieves Detailed FLIS Data for a NIIN. See the Documentation Home for details about the elements in the results.

Parameters:

- Username Username for account, provided by S&P Global.
- Password Password for account, provided by S&P Global.
- NIIN 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.
- DataSegments Optional parameter. If parameter is null or is an empty string, all Data Segments will be in the results. Or, you may specify one or more of these Data Segments in a list delimited by semicolon or comma: SegmentA,MCRL,MLC,MLC_Phrase,TechChar,ProH,RelatedNIIN,MOE,IandS,Packaging, Freight,CTDF,QPD
- CustomerTxID Optional parameter used to identify the transaction. If you provide a value, a CustomerTxID
- element will be returned in the results with the same value.

GetFLISummaryResultsByNIIN

Summary: Retrieves Detailed FLIS Data for a NIIN. See the Documentation Home for details about the elements in the results.

Parameters:

- Username Username for account, provided by S&P Global.
- Password Password for account, provided by S&P Global.
- NIIN NIIN to search for. Must be an exact NIIN or NSN. It can be provided with or without dashes.
- DataSegments Optional parameter. If parameter is null or is an empty string, all Data Segments will be in the results. Or, you may specify one or more of these Data Segments in a list demilited by semicolon or comma:
SegmentA,MCRL,MLC,MLC_Phrase,TechChar,ProH,RelatedNIIN,MOE,landS,Packaging,Freight,CTDF,QPD
- CustomerTxID Optional parameter used to identify the transaction. If you provide a value, a CustomerTxID element will be returned in the results with the same value.

GetVendorResultByCAGE

Summary: Retrieves Vendor Data for a CAGE. See the Documentation Home for details about the elements in the results.

Parameters:

- Username Username for account, provided by S&P Global.
- Password Password for account, provided by S&P Global.
- CAGE CAGE to search for. Must be an exact 5-character CAGE Code.
- DataSegments Optional parameter. If parameter is null or is an empty string, both Data Segments will be in the results, or you may specify one or more of these Data Segments in a list demilited by semicolon or comma: CAGECODE_H4_H8,CCR
- CustomerTxID Optional parameter used to identify the transaction. If you provide a value, a CustomerTxID element will be returned in the results with the same value.

Methods

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 wildcard, 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>
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        <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>
        <SA>string</SA>
        <PhraseCode>string</PhraseCode>
        <PhraseStmt>string</PhraseStmt>
    </MLC_Phrase_Item>
</MLC_Phrase>
<ProH>
    <ProH_Item>
        <NIIN>string</NIIN>
        <FSC>string</FSC>
        <AwardDate>dateTime</AwardDate>
        <ContractNumber>string</ContractNumber>
        <Mod1>string</Mod1>
        <Mod2>string</Mod2>
        <Mod3>string</Mod3>
        <SOS>string</SOS>
        <Quantity>string</Quantity>
        <Price>decimal</Price>
        <TotalPrice>decimal</TotalPrice>
        <UI>string</UI>
        <CAGE>string</CAGE>
        <DUNS>string</DUNS>
        <Vendor>string</Vendor>
    </ProH_Item>
    <ProH_Item>
        <NIIN>string</NIIN>
        <FSC>string</FSC>
        <AwardDate>dateTime</AwardDate>
        <ContractNumber>string</ContractNumber>
        <Mod1>string</Mod1>
        <Mod2>string</Mod2>
        <Mod3>string</Mod3>
        <SOS>string</SOS>
        <Quantity>string</Quantity>
        <Price>decimal</Price>
        <TotalPrice>decimal</TotalPrice>
        <UI>string</UI>
        <CAGE>string</CAGE>
        <DUNS>string</DUNS>
        <Vendor>string</Vendor>
    </ProH_Item>
</ProH>
<TechChar>
    <TechChar_Item>
        <NIIN>string</NIIN>
        <FSC>string</FSC>
        <MRC>string</MRC>
        <Characteristic>string</Characteristic>
        <Value>string</Value>
    </TechChar_Item>
</TechChar>

```

```
</TechChar_Item>
<TechChar_Item>
  <NIIN>string</NIIN>
  <FSC>string</FSC>
  <MRC>string</MRC>
  <Characteristic>string</Characteristic>
  <Value>string</Value>
</TechChar_Item>
</TechChar>
<RelatedNIIN>
  <RelatedNIIN_ItemWithNIIN>
    <NIIN>string</NIIN>
    <FSC>string</FSC>
    <ReplacedNIIN>string</ReplacedNIIN>
    <ISC>string</ISC>
    <StandardizationOriginator>string
      </StandardizationOriginator>
    <StandardizationDate>dateTime</StandardizationDate>
    <Status>string</Status>
  </RelatedNIIN_ItemWithNIIN>
  <RelatedNIIN_ItemWithNIIN>
    <NIIN>string</NIIN>
    <FSC>string</FSC>
    <ReplacedNIIN>string</ReplacedNIIN>
    <ISC>string</ISC>
    <StandardizationOriginator>string
      </StandardizationOriginator>
    <StandardizationDate>dateTime</StandardizationDate>
    <Status>string</Status>
  </RelatedNIIN_ItemWithNIIN>
</RelatedNIIN>
<MOE>
  <MOE_Item>
    <NIIN>string</NIIN>
    <FSC>string</FSC>
    <MOE_Rule>string</MOE_Rule>
    <MOE_Code>string</MOE_Code>
    <PICA>string</PICA>
    <DSOR>string</DSOR>
    <AMC>string</AMC>
    <AMSC>string</AMSC>
    <NIMSC>string</NIMSC>
    <IMC>string</IMC>
    <IMCA>string</IMCA>
    <AAC>string</AAC>
    <Collaborators>string</Collaborators>
    <Receivers>string</Receivers>
    <MOE_EFF_DATE>dateTime</MOE_EFF_DATE>
  </MOE_Item>
  <MOE_Item>
    <NIIN>string</NIIN>
    <FSC>string</FSC>
    <MOE_Rule>string</MOE_Rule>
    <MOE_Code>string</MOE_Code>
    <PICA>string</PICA>
    <DSOR>string</DSOR>
    <AMC>string</AMC>
    <AMSC>string</AMSC>
    <NIMSC>string</NIMSC>
    <IMC>string</IMC>
    <IMCA>string</IMCA>
    <AAC>string</AAC>
    <Collaborators>string</Collaborators>
    <Receivers>string</Receivers>
    <MOE_EFF_DATE>dateTime</MOE_EFF_DATE>
```

```

    </MOE_Item>
</MOE>
<IandS>
  <IandS_Item>
    <NIIN>string</NIIN>
    <FSC>string</FSC>
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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"?>
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  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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</GetFLISSummaryResultsByNIINResponse>
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</soap:Envelope>

```

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
  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>
    <GetVendorResultByCAGEResponse
      xmlns="https://hooks.ihserc.com/Workbench/Service.asmx">
      <GetVendorResultByCAGEResult>
        <CAGECODE_H4_H8>
          <CAGE_Code>string</CAGE_Code>
          <Associated_CAGE_Code>string</Associated_CAGE_Code>
          <Replacedby_CAGE_Code>string</Replacedby_CAGE_Code>
          <Company_Name>string</Company_Name>
          <Address_1>string</Address_1>
          <Address_2>string</Address_2>
          <City>string</City>
          <State>string</State>
          <Zip_Postal_Code>string</Zip_Postal_Code>
          <Country>string</Country>
        </CAGECODE_H4_H8>
      </GetVendorResultByCAGEResult>
    </GetVendorResultByCAGEResponse>
  </soap12:Body>
</soap12:Envelope>
```

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<Fax_Number>string</Fax_Number>
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<NAICS_Code>string</NAICS_Code>
<DUNS_Number>string</DUNS_Number>
<Business_Size>string</Business_Size>
<Business_Category>string</Business_Category>
<Company_Status>string</Company_Status>
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<CAO>string</CAO>
<Women_Owned>string</Women_Owned>
<Business_Type_Code>string</Business_Type_Code>
</CAGECODE_H4_H8>
<CCR>
  <Business_Start_Date>dateTime</Business_Start_Date>
  <CCR_Registration_Date>dateTime</CCR_Registration_Date>
  <CCR_Expiration_Date>dateTime</CCR_Expiration_Date>
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  <Alternate_Government_POC>string</Alternate_Government_POC>
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</GetVendorResultByCAGEResponse>
</soap12:Body>
</soap12:Envelope>
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