

Federal Procurement Data System (FPDS)
Web Service Specification
Organizational Hierarchy

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May 21, 2022

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1 Introduction

FPDS at present supports the FIPS organizational hierarchy. Federal Information Processing Standards codes (FIPS codes) are a standardized set of numeric or alphabetic codes to ensure uniform identification of federal government agencies. This standard provides a four-character identifier for each organization listed.

Departments are the first-level organizations which are not subsumed hierarchically under any other organization. Agencies are the second-level organizations which are under departments. At the third level are the contracting offices under agencies.

Manage Non-FIPS Organizational Hierarchy

- The nomenclature of the non-FIPS codes for the hierarchy is specific to the departments and is defined by them
- FPDS software does not limit the number of levels in the organizational hierarchy
- FPDS shall allow system administrators to manage a non-FIPS hierarchical organizational structure below the organizational level assigned to the system administrator

2 Purpose and Scope

This document provides web service specification details to manage Organizational Hierarchy using web services.

2.1 Service Definitions and Usage

2.1.1 WSDL Specifications

The following abstract from the W3C March 2001 note 15 describe the WSDL:

WSDL is an XML format for describing network services as a set of endpoints operating on messages containing either document-oriented or procedure-oriented information. The operations and messages are described abstractly, and then bound to a concrete network protocol and message format to define an endpoint. Related concrete endpoints are combined into abstract endpoints (services). WSDL is extensible to allow description of endpoints and their messages regardless of what message formats or network protocols are used to communicate.

The bindings described in this document specifically deal with the use of WSDL in conjunction with SOAP 1.1, HTTP GET/POST, and MIME. Table 1-1 shows the FPDS Web nomenclature

Table 1-1. Web Service Nomenclature

WSDL Parameter	Value
PortType	<DomainClassName>PortType
Binding	<DomainClassName>Binding
Soap-binding style	rpc
TargetNameSpace	<DomainClassName>.wsdl

All complex types specified by the FPDS Web Services include the targetNamespace in the corresponding WSDL and are named after the complex type or the domain level object. The schemas are located and loadable from a public URL using the http protocol. Availability of the web services over other protocols such as ftp and SMTP is not supported due to security risks.

3 API Standards and Generic details

The web services APIs of the FPDS domain objects encompass the following standards:

- Service calls in FPDS are authenticated by checking for valid User ID/Password.
- Service calls are checked for authorization before serving the request. For example, the create service on Award will check if the user has the privilege to create an Award in FPDS.
- Web Services APIs supported for domain entities such as Award and IDV. This includes common business services such as create, get, update and delete.
- Service calls use a standard method signature. All the business classes in the FPDS system have the same method signature. Standardization involves the same set of input and output parameters and their generic structures for the web services.
- Service calls contain a logging and error mechanism. All the requests are logged in the underlying generic layer of the business classes.

3.1 Standard Method Signatures

All the methods use the following signatures:

- All the input and output parameters are in XML Format.
- The inputs to the service methods and the subsequent domain classes are encapsulated in the authentication key and the input parameters.

3.1.1 Service Input Parameters

Table 1-2 describes the service input parameter names and description.

Table 1-2. Service Input Parameters

Parameter Name	Contents
AuthenticationKey	UserID, Password, Source
InputXML	Contains an XML representation of the business object, search criteria, or key for the business object

Table 1-3 describes the contents of the input XML based on the type of data operation.

Table 1-3. Data Operation Descriptions

Operation	Input XML Data	Description
Business create	XML representation of the	XML is converted to the

Services		business object	value object using JAXB and JDBC calls to perform DB operations
	update	XML representation of the business object	Update errors, business validation errors and warning messages
	getList	search criteria inputs serialized in predefined XML format	Query based on search criteria input
	get	XML representation of the key(s)	Retrieved based on the key values specified in the input
	reassign	XML representation of the target organization (including the new parent to be associated with)	Reassigns organization, business validation errors and warning messages
	getAncestors	XML representation of the key(s)	Retrieved based on the key values specified in the input
	getListOfOrganizationCategories	search criteria inputs serialized in predefined XML format	Query based on search criteria input
	getOrganizationTreeByDate	XML representation of the key(s)	Query based on search criteria input
GUI Services	getNewOrganizationURL	XML representation of the key(s)	This service gets the FPDS web page URL to be invoked from any external application.
	getExistingOrganizationURL	XML representation of the key(s)	This service gets the FPDS web page URL to be invoked for updating an existing organization from any external application.

3.1.2 Service Output Parameters

The service output parameters are represented in Meta XML strings. Table 1-4 describes the XML meta-response.

Table 1-4. Service Output Parameters

Response XML Elements	Description
Request Number	Number returned to uniquely identify the request from the log store
Confirmation Number	Confirmation number for DML Transactions
Messages	List of error, warning and informational messages
listOfParameters	List of return parameters

3.2 Specific API Details

3.2.1 Organization BUSINESS Services Meta Specification

WSDL Parameter	Value
PortType	OrganizationPortType
Binding	OrganizationBinding
Soap-binding style	RPC
TargetNameSpace	Organization.wsdl

3.2.1.1 Create

- The create method creates a new organization
- The organization will be created if the user has appropriate ‘create’ privileges.

Service Methods

Service Type/Name	Service Description
Create()	Creates a MACOM/SUBCOM

Input Parameters

Parameter Name	Parameter Type	Name Space
authenticationKey	userAuthenticationKeyType	http://www.fpds.gov/FPDS
organization	organizationType	http://www.fpds.gov/FPDS

Sample Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:m0="http://www.fpds.gov/FPDS">
  <SOAP-ENV:Body>
    <m:create xmlns:m="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization" SOAP-ENC:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
```

```

    <authenticationKey xsi:type="m0:userAuthenticationKeyType">
    <m0:userID xsi:type="m0:userID">youruserid</m0:userID>
      <m0:password xsi:type="m0:password">yourpassword</m0:password>
      <m0:serviceOriginatorID
xsi:type="m0:serviceOriginatorID">yourserviceoriginatorid</m0:serviceOriginatorID>
    </authenticationKey>
    <organization xsi:type="m0:organizationType">
      <m0:parentOrganizationID xsi:type="m0:parentOrganizationID">ORG-1144</m0:parentOrganizationID>
      <m0:parentOrganizationCode xsi:type="m0:parentOrganizationCode">9700</m0:parentOrganizationCode>
      <m0:organizationCode xsi:type="m0:organizationCode">1999</m0:organizationCode>
      <m0:organizationName xsi:type="m0:organizationName">test</m0:organizationName>
      <m0:organizationShortName xsi:type="m0:organizationShortName">test</m0:organizationShortName>
      <m0:startDate xsi:type="m0:startDate">2010-08-01 00:00:00.0</m0:startDate>
      <m0:organizationCategoryID xsi:type="m0:organizationCategoryID">CAT-4</m0:organizationCategoryID>
    </organization>
  </m:create>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Output Parameters

Parameter Name	Parameter Type	Name Space
createOrganizationResponse	createOrganizationResponseType	http://www.fpds.gov/FPDS

The output parameter in the response is wrapped as follows:

Success Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS

Failure Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS

Sample Response

Success:

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>

```

```

<ns1:createResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <ns1:createOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
    <ns1:requestNumber>9176331679</ns1:requestNumber>
    <ns1:confirmationNumber>650479261</ns1:confirmationNumber>
    <ns1:outputMessages>
      <ns1:ListOfErrors/>
      <ns1:ListOfWarnings/>
      <ns1:ListOfInfoMessages/>
    </ns1:outputMessages>
    <ns1:organization>
      <ns1:organizationID>ORG-1234</ns1:organizationID>
      <ns1:parentOrganizationID>ORG-1144</ns1:parentOrganizationID>
      <ns1:parentOrganizationCode>9700</ns1:parentOrganizationCode>
      <ns1:organizationCode>1999</ns1:organizationCode>
      <ns1:organizationName>test</ns1:organizationName>
      <ns1:organizationShortName>test</ns1:organizationShortName>
      <ns1:startDate>2010-08-01 00:00:00.0</ns1:startDate>
      <ns1:organizationCategoryID>CAT-4</ns1:organizationCategoryID>
      <ns1:auditInformation>
        <ns1:createdBy>test</ns1:createdBy>
        <ns1:createdDate>2010-09-13 17:12:48.0</ns1:createdDate>
        <ns1:lastModifiedBy>test</ns1:lastModifiedBy>
        <ns1:lastModifiedDate>2010-09-13 17:12:48.0</ns1:lastModifiedDate>
      </ns1:auditInformation>
    </ns1:organization>
  </ns1:createOrganizationResponse>
</ns1:createResponse>
</soapenv:Body>
</soapenv:Envelope>

```

Failure(s):

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:createResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:createOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176331040</ns1:requestNumber>
        <ns1:confirmationNumber>-1</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:ListOfErrors>
            <ns1:error>
              <ns1:elementName>organization/organizationCategoryID</ns1:elementName>
              <ns1:elementName>organization/organizationCode</ns1:elementName>
              <ns1:elementName>organization/organizationID</ns1:elementName>
              <ns1:errorCode>ORGH11228</ns1:errorCode>
              <ns1:errorMessage>The user does not have the authorization to create an organization
of category department.</ns1:errorMessage>
            </ns1:error>
          </ns1:ListOfErrors>
          <ns1:ListOfWarnings/>
          <ns1:ListOfInfoMessages/>
        </ns1:outputMessages>
      </ns1:createOrganizationResponse>
    </ns1:createResponse>
  </soapenv:Body>
</soapenv:Envelope>

<?xml version="1.0" encoding="UTF-8"?>

```



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:createResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:createOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176351146</ns1:requestNumber>
        <ns1:confirmationNumber>-1</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:ListOfErrors>
            <ns1:error>
              <ns1:elementName>organization/organizationCode</ns1:elementName>
              <ns1:errorCode>ORGH11227</ns1:errorCode>
              <ns1:errorMessage>The Organization Code is an existing
agency.</ns1:errorMessage>
            </ns1:error>
          </ns1:ListOfErrors>
          <ns1:ListOfWarnings/>
          <ns1:ListOfInfoMessages/>
        </ns1:outputMessages>
      </ns1:createOrganizationResponse>
    </ns1:createResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

3.2.1.2 Update

- The update method updates an existing organization
- The organization update method expects only the organization ID and the required information to uniquely identify the organization pertaining to the user.
- The organization will be updated if the user has appropriate ‘update’ privileges.

Service Methods

Service Type/Name	Service Description
update()	Updates a MACOM/SUBCOM

Input Parameters

Parameter Name	Parameter Type	Name Space
authenticationKey	userAuthenticationKeyType	http://www.fpds.gov/FPDS
organization	organizationType	http://www.fpds.gov/FPDS

Sample Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:m0="http://www.fpds.gov/FPDS">
  <SOAP-ENV:Body>
    <m:update xmlns:m="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization" SOAP-
ENC:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <authenticationKey xsi:type="m0:userAuthenticationKeyType">
        <m0:userID xsi:type="m0:userID">youruserid</m0:userID>
        <m0:password xsi:type="m0:password">yourpassword</m0:password>
      </m:update>
    </SOAP-ENV:Body>
  </SOAP-ENV:Envelope>
```

```

        <m0:serviceOriginatorID
xsi:type="m0:serviceOriginatorID">yourserviceoriginatorid</m0:serviceOriginatorID>
    </authenticationKey>
    <organization xsi:type="m0:organizationType">
        <m0:organizationID>ORG-2636</m0:organizationID>
        <m0:parentOrganizationID>ORG-2410</m0:parentOrganizationID>
        <m0:parentOrganizationCode>1700</m0:parentOrganizationCode>
        <m0:organizationCode>1708</m0:organizationCode>
        <m0:organizationName>IMMEDIATE OFFICE OF THE SECRETARY OF THE
NAVY</m0:organizationName>
        <m0:organizationShortName>SON</m0:organizationShortName>
        <m0:startDate>2010-12-01 00:00:00.0</m0:startDate>
        <m0:organizationCategoryID>CAT-4</m0:organizationCategoryID>
    </organization>
</m:update>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
    
```

Output Parameters

Parameter Name	Parameter Type	Name Space
updateOrganizationResponse	updateOrganizationResponseType	http://www.fpds.gov/FPDS

The output parameter in the response is wrapped as follows:

Success Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS

Failure Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS

Sample Response

Success:

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:updateResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
    
```

```

<ns1:updateOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
  <ns1:requestNumber>9176351137</ns1:requestNumber>
  <ns1:confirmationNumber>650539179</ns1:confirmationNumber>
  <ns1:outputMessages>
    <ns1:ListOfErrors/>
    <ns1:ListOfWarnings/>
    <ns1:ListOfInfoMessages/>
  </ns1:outputMessages>
  <ns1:organization>
    <ns1:organizationID>ORG-2636</ns1:organizationID>
    <ns1:parentOrganizationID>ORG-2410</ns1:parentOrganizationID>
    <ns1:parentOrganizationCode>1700</ns1:parentOrganizationCode>
    <ns1:organizationCode>1708</ns1:organizationCode>
    <ns1:organizationName>IMMEDIATE OFFICE OF THE SECRETARY OF THE
NAVY</ns1:organizationName>
    <ns1:organizationShortName>SON</ns1:organizationShortName>
    <ns1:startDate>2010-12-01 00:00:00.0</ns1:startDate>
    <ns1:endDate>2004-12-01 00:00:00.0</ns1:endDate>
    <ns1:organizationCategoryID>CAT-4</ns1:organizationCategoryID>
    <ns1:auditInformation>
      <ns1:createdBy>FPDSADMIN</ns1:createdBy>
      <ns1:createdDate>2006-10-28 12:44:18.0</ns1:createdDate>
      <ns1:lastModifiedBy>DOD_FPDS</ns1:lastModifiedBy>
      <ns1:lastModifiedDate>2010-09-14 13:57:07.0</ns1:lastModifiedDate>
    </ns1:auditInformation>
  </ns1:organization>
</ns1:updateOrganizationResponse>
</ns1:updateResponse>
</soapenv:Body>
</soapenv:Envelope>

```

Failure(s):

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:updateResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:updateOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176331783</ns1:requestNumber>
        <ns1:confirmationNumber>-1</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:ListOfErrors>
            <ns1:error>
              <ns1:elementName>organization/organizationID</ns1:elementName>
              <ns1:errorCode>ORGH11201</ns1:errorCode>
              <ns1:errorMessage>The Organization ID does not exist.</ns1:errorMessage>
            </ns1:error>
          </ns1:ListOfErrors>
          <ns1:ListOfWarnings/>
          <ns1:ListOfInfoMessages/>
        </ns1:outputMessages>
      </ns1:updateOrganizationResponse>
    </ns1:updateResponse>
  </soapenv:Body>
</soapenv:Envelope>

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>

```

```

<ns1:updateResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <ns1:updateOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
    <ns1:requestNumber>9176351143</ns1:requestNumber>
    <ns1:confirmationNumber>-1</ns1:confirmationNumber>
    <ns1:outputMessages>
      <ns1:ListOfErrors>
        <ns1:error>
          <ns1:errorCode>4008</ns1:errorCode>
          <ns1:errorMessage>Operation failed due to Authentication Failure</ns1:errorMessage>
        </ns1:error>
      </ns1:ListOfErrors>
    </ns1:outputMessages>
  </ns1:updateOrganizationResponse>
</ns1:updateResponse>
</soapenv:Body>
</soapenv:Envelope>

```

3.2.1.3 Get Organization List Service

- The getList service retrieves the existing MACOM/SUBCOM information that satisfies the specified criteria in the request from the FPDS system.
- On successful retrieval, it returns the records in the XML format specified by the schema.

Service Methods

Service Type/Name	Service Description
getList()	Returns Matched MACOM/SUBCOM list

Input Parameters

Parameter Name	Parameter Type	Name Space
authenticationKey	authenticationKeyType	http://www.fpds.gov/FPDS
organizationSearchCriteria	organizationSearchCriteriaType	http://www.fpds.gov/FPDS

Sample Request

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:m0="http://www.fpds.gov/FPDS">
  <SOAP-ENV:Body>
    <m:getList xmlns:m="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization" SOAP-ENC:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <authenticationKey xsi:type="m0:userAuthenticationKeyType">
        <m0:userID xsi:type="m0:userID">youruserid</m0:userID>
        <m0:password xsi:type="m0:password">yourpassword</m0:password>
        <m0:serviceOriginatorID
xsi:type="m0:serviceOriginatorID">yourserviceoriginatorid</m0:serviceOriginatorID>
      </authenticationKey>
      <organizationSearchCriteria xsi:type="m0:organizationSearchCriteriaType">
        <m0:organizationID>ORG-1234</m0:organizationID>
      </organizationSearchCriteria>
    </m:getList>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Output Parameters

Parameter Name	Parameter Type	Name Space
getListOrganizationResponse	getListOrganizationResponseType	http://www.fpds.gov/FPDS

The output parameter in the response is wrapped as follows:

Success Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS
getListOrganizationResponse	getListOrganizationResponseType	http://www.fpds.gov/FPDS

Failure Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS
getListOrganizationResponse	getListOrganizationResponseType	http://www.fpds.gov/FPDS

Sample Response

Success:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getListResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getListOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176331904</ns1:requestNumber>
        <ns1:confirmationNumber>650479426</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:listOfErrors/>
          <ns1:listOfWarnings/>
          <ns1:listOfInfoMessages/>
        </ns1:outputMessages>
        <ns1:listOfOrganizations>
          <ns1:count>
            <ns1:total>1</ns1:total>
            <ns1:fetched>1</ns1:fetched>
          </ns1:count>
          <ns1:organization>
```

```

<ns1:organizationID>ORG-1234</ns1:organizationID>
<ns1:organizationCode>9999</ns1:organizationCode>
<ns1:organizationName>TEST</ns1:organizationName>
<ns1:startDate>1978-10-01 00:00:00.0</ns1:startDate>
<ns1:organizationCategoryID>CAT-4</ns1:organizationCategoryID>
<ns1:auditInformation>
  <ns1:createdBy>TEST</ns1:createdBy>
  <ns1:createdDate>1996-06-10 00:00:00.0</ns1:createdDate>
  <ns1:lastModifiedBy>TEST</ns1:lastModifiedBy>
  <ns1:lastModifiedDate>2006-10-28 17:37:03.0</ns1:lastModifiedDate>
</ns1:auditInformation>
</ns1:organization>
</ns1:ListOfOrganizations>
</ns1:getListOrganizationResponse>
</ns1:getListResponse>
</soapenv:Body>
</soapenv:Envelope>

```

Failure:

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getListResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
      xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
      xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getListOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176331896</ns1:requestNumber>
        <ns1:confirmationNumber>-1</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:ListOfErrors>
            <ns1:error>
              <ns1:errorCode>11502</ns1:errorCode>
              <ns1:errorMessage>No data matched the selection criteria.</ns1:errorMessage>
            </ns1:error>
          </ns1:ListOfErrors>
          <ns1:ListOfWarnings/>
          <ns1:ListOfInfoMessages/>
        </ns1:outputMessages>
        <ns1:ListOfOrganizations>
          <ns1:count>
            <ns1:total>0</ns1:total>
            <ns1:fetched>0</ns1:fetched>
          </ns1:count>
        </ns1:ListOfOrganizations>
      </ns1:getListOrganizationResponse>
    </ns1:getListResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

3.2.1.4 Get Organization Service

- The get service retrieves the existing MACOM/SUBCOM information in FPDS and returns the record in the XML format specified by the schema.
- The get service also checks for valid authorization of the requesting user before sending back the response.

Service Methods

Service Type/Name	Service Description
get()	Returns Matched MACOM/SUBCOM.

Input Parameters

Parameter Name	Parameter Type	Name Space
authenticationKey	authenticationKeyType	http://www.fpds.gov/FPDS
organizationSearchCriteria	organizationSearchCriteriaType	http://www.fpds.gov/FPDS

Sample Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:m0="http://www.fpds.gov/FPDS">
  <SOAP-ENV:Body>
    <m:get xmlns:m="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization" SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <authenticationKey xsi:type="m0:userAuthenticationKeyType">
        <m0:userID xsi:type="m0:userID">youruserid</m0:userID>
        <m0:password xsi:type="m0:password">yourpassword</m0:password>
        <m0:serviceOriginatorID
xsi:type="m0:serviceOriginatorID">yourserviceoriginatorid</m0:serviceOriginatorID>
      </authenticationKey>
      <organizationGetCriteria xsi:type="m0:organizationGetCriteriaType">
        <m0:organizationID xsi:type="xsd:string">ORG-1234</m0:organizationID>
        <m0:includeChildren xsi:type="xsd:boolean">0</m0:includeChildren>
      </organizationGetCriteria>
    </m:get>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Output Parameters

Parameter Name	Parameter Type	Name Space
getOrganizationResponse	getOrganizationResponseType	http://www.fpds.gov/FPDS

The output parameter in the response is wrapped as follows:

Success Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS
geOrganizationResponse	getOrganizationResponseType	http://www.fpds.gov/FPDS

Failure Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS

confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS
getOrganizationResponse	getOrganizationResponseType	http://www.fpds.gov/FPDS

Sample Response

Success:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176969812</ns1:requestNumber>
        <ns1:confirmationNumber>651145309</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:ListOfErrors/>
          <ns1:ListOfWarnings/>
          <ns1:ListOfInfoMessages/>
        </ns1:outputMessages>
        <ns1:organization>
          <ns1:organizationID>ORG-1234</ns1:organizationID>
          <ns1:organizationCode>9999</ns1:organizationCode>
          <ns1:organizationName>0000</ns1:organizationName>
          <ns1:startDate>1988-10-01 00:00:00.0</ns1:startDate>
          <ns1:organizationCategoryID>CAT-3</ns1:organizationCategoryID>
          <ns1:auditInformation>
            <ns1:createdBy>TEST</ns1:createdBy>
            <ns1:createdDate>1998-06-10 00:00:00.0</ns1:createdDate>
            <ns1:lastModifiedBy>TEST</ns1:lastModifiedBy>
            <ns1:lastModifiedDate>2008-10-28 17:37:03.0</ns1:lastModifiedDate>
          </ns1:auditInformation>
        </ns1:organization>
      </ns1:getOrganizationResponse>
    </ns1:getResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Failure:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176970187</ns1:requestNumber>
        <ns1:confirmationNumber>-1</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:ListOfErrors>
            <ns1:error>
              <ns1:elementName>organization/organizationID</ns1:elementName>
              <ns1:errorCode>ORGH11201</ns1:errorCode>
              <ns1:errorMessage>The Organization ID does not exist.</ns1:errorMessage>
            </ns1:error>
          </ns1:ListOfErrors>
          <ns1:ListOfWarnings/>
        </ns1:outputMessages>
      </ns1:getOrganizationResponse>
    </ns1:getResponse>
  </soapenv:Body>
</soapenv:Envelope>
```



```

        <ns1:listOfInfoMessages/>
    </ns1:outputMessages>
</ns1:getOrganizationResponse>
</ns1:getResponse>
</soapenv:Body>
</soapenv:Envelope>
    
```

3.2.1.5 Reassign

- The reassign service reassigns new parent to an existing MACOM/SUBCOM in FPDS and returns the record in the XML format specified by the schema.
- The reassign service also checks for valid authorization of the requesting user before sending back the response.

Service Methods

Service Type/Name	Service Description
reassign()	Reassign new parent to an organization.

Input Parameters

Parameter Name	Parameter Type	Name Space
authenticationKey	authenticationKeyType	http://www.fpds.gov/FPDS
organization	organizationType	http://www.fpds.gov/FPDS

Sample Request

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:m0="http://www.fpds.gov/FPDS">
  <SOAP-ENV:Body>
    <m:reassign xmlns:m="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization" SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <authenticationKey xsi:type="m0:userAuthenticationKeyType">
        <m0:userID xsi:type="m0:userID">youruserid</m0:userID>
        <m0:password xsi:type="m0:password">yourpassword</m0:password>
        <m0:serviceOriginatorID
xsi:type="m0:serviceOriginatorID">yourserviceoriginatorid</m0:serviceOriginatorID>
      </authenticationKey>
      <organization xsi:type="m0:organizationType">
        <m0:organizationID xsi:type="m0:organizationID">ORG-4788</m0:organizationID>
        <m0:parentOrganizationID xsi:type="m0:parentOrganizationID">ORG-2116</m0:parentOrganizationID>
        <m0:startDate xsi:type="m0:startDate">2010-09-01 00:00:00.0</m0:startDate>
      </organization>
    </m:reassign>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
    
```

Output Parameters

Parameter Name	Parameter Type	Name Space
reassignOrganizationResponse	reassignOrganizationResponseType	http://www.fpds.gov/FPDS

The output parameter in the response is wrapped as follows:

Success Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS
reassignOrganizationResponse	reassignOrganizationResponseType	http://www.fpds.gov/FPDS

Failure Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS
reassignOrganizationResponse	reassignOrganizationResponseType	http://www.fpds.gov/FPDS

Sample Response

Success:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:reassignResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization "
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:reassignOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176351238</ns1:requestNumber>
        <ns1:confirmationNumber>650539251</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:listOfErrors/>
          <ns1:listOfWarnings/>
          <ns1:listOfInfoMessages>
            <ns1:info>
              <ns1:elementName>organization/organizationCode</ns1:elementName>
              <ns1:infoCode>ORGH11223</ns1:infoCode>
              <ns1:infoMessage>The End Dates of the current hierarchy of the Organization
                &quot;BASE&quot; have been updated with the Start Date of the new hierarchy.</ns1:infoMessage>
            </ns1:info>
          </ns1:listOfInfoMessages>
        </ns1:outputMessages>
      </ns1:reassignOrganizationResponse>
    </ns1:reassignResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

```

</ns1:outputMessages>
<ns1:organization>
  <ns1:organizationID>ORG-4534</ns1:organizationID>
  <ns1:parentOrganizationID>ORG-2116</ns1:parentOrganizationID>
  <ns1:parentOrganizationCode>XXXX</ns1:parentOrganizationCode>
  <ns1:organizationCode>BASE</ns1:organizationCode>
  <ns1:organizationName>BASE</ns1:organizationName>
  <ns1:startDate>2010-09-01 00:00:00.0</ns1:startDate>
  <ns1:organizationCategoryID>CAT-5</ns1:organizationCategoryID>
  <ns1:listOfChildOrganizations>
    <ns1:organization>
      <ns1:organizationID>ORG-4535</ns1:organizationID>
      <ns1:parentOrganizationID>ORG-4534</ns1:parentOrganizationID>
      <ns1:parentOrganizationCode>BASE</ns1:parentOrganizationCode>
      <ns1:organizationCode>TEST</ns1:organizationCode>
      <ns1:organizationName>TEST</ns1:organizationName>
      <ns1:startDate>2010-09-01 00:00:00.0</ns1:startDate>
      <ns1:organizationCategoryID>CAT-6</ns1:organizationCategoryID>
      <ns1:auditInformation>
        <ns1:createdBy>TEST</ns1:createdBy>
        <ns1:createdDate>2010-09-14 16:50:30.0</ns1:createdDate>
        <ns1:lastModifiedBy>TEST</ns1:lastModifiedBy>
        <ns1:lastModifiedDate>2010-09-14 16:50:30.0</ns1:lastModifiedDate>
      </ns1:auditInformation>
    </ns1:organization>
    <ns1:organization>
      <ns1:organizationID>ORG-4536</ns1:organizationID>
      <ns1:parentOrganizationID>ORG-4534</ns1:parentOrganizationID>
      <ns1:parentOrganizationCode>BASE</ns1:parentOrganizationCode>
      <ns1:organizationCode>TEST</ns1:organizationCode>
      <ns1:organizationName>TEST</ns1:organizationName>
      <ns1:startDate>2010-09-01 00:00:00.0</ns1:startDate>
      <ns1:organizationCategoryID>CAT-6</ns1:organizationCategoryID>
      <ns1:auditInformation>
        <ns1:createdBy>TEST</ns1:createdBy>
        <ns1:createdDate>2010-09-14 16:50:30.0</ns1:createdDate>
        <ns1:lastModifiedBy>TEST</ns1:lastModifiedBy>
        <ns1:lastModifiedDate>2010-09-14 16:50:30.0</ns1:lastModifiedDate>
      </ns1:auditInformation>
    </ns1:organization>
    <ns1:organization>
      <ns1:organizationID>ORG-4537</ns1:organizationID>
      <ns1:parentOrganizationID>ORG-4534</ns1:parentOrganizationID>
      <ns1:parentOrganizationCode>BASE</ns1:parentOrganizationCode>
      <ns1:organizationCode>TEST</ns1:organizationCode>
      <ns1:organizationName>TEST</ns1:organizationName>
      <ns1:startDate>2010-09-01 00:00:00.0</ns1:startDate>
      <ns1:organizationCategoryID>CAT-6</ns1:organizationCategoryID>
      <ns1:auditInformation>
        <ns1:createdBy>TEST</ns1:createdBy>
        <ns1:createdDate>2010-09-14 16:50:30.0</ns1:createdDate>
        <ns1:lastModifiedBy>TEST</ns1:lastModifiedBy>
        <ns1:lastModifiedDate>2010-09-14 16:50:30.0</ns1:lastModifiedDate>
      </ns1:auditInformation>
    </ns1:organization>
  </ns1:listOfChildOrganizations>
  <ns1:auditInformation>
    <ns1:createdBy>TEST</ns1:createdBy>
    <ns1:createdDate>2010-09-14 16:50:30.0</ns1:createdDate>
    <ns1:lastModifiedBy>TEST</ns1:lastModifiedBy>
    <ns1:lastModifiedDate>2010-09-14 16:50:30.0</ns1:lastModifiedDate>
  </ns1:auditInformation>
</ns1:organization>
</ns1:reassignOrganizationResponse>
</ns1:reassignResponse>
</soapenv:Body>

```

```
</soapenv:Envelope>
```

Failure:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:reassignResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:reassignOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176331998</ns1:requestNumber>
        <ns1:confirmationNumber>-1</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:listOfErrors>
            <ns1:error>
              <ns1:elementName>organization/startDate</ns1:elementName>
              <ns1:elementName>organization/organizationCode</ns1:elementName>
              <ns1:errorCode>ORGH11210</ns1:errorCode>
              <ns1:errorMessage>A parent organization has a Start Date later than the Start Date of
the Organization &quot;USACE&quot;.</ns1:errorMessage>
            </ns1:error>
          </ns1:listOfErrors>
          <ns1:listOfWarnings/>
          <ns1:listOfInfoMessages/>
        </ns1:outputMessages>
      </ns1:reassignOrganizationResponse>
    </ns1:reassignResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

3.2.1.6 getAncestors

- The getAncestors service returns ancestral hierarchy for a given organization in FPDS and returns the record in the XML format specified by the schema.
- The getAncestors service also checks for valid authorization of the requesting user before sending back the response.

Service Methods

Service Type/Name	Service Description
getAncestors()	Returns ancestral hierarchy for a given Organization.

Input Parameters

Parameter Name	Parameter Type	Name Space
authenticationKey	authenticationKeyType	http://www.fpds.gov/FPDS
organizationGetCriteria	organizationGetCriteriaType	http://www.fpds.gov/FPDS

Sample Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:m0="http://www.fpds.gov/FPDS">
  <SOAP-ENV:Body>
    <m:getAncestors xmlns:m="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization" SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <authenticationKey xsi:type="m0:userAuthenticationKeyType">
        <m0:userID xsi:type="m0:userID">youruserid</m0:userID>
        <m0:password xsi:type="m0:password">yourpassword</m0:password>
        <m0:serviceOriginatorID
xsi:type="m0:serviceOriginatorID">yourserviceoriginatorid</m0:serviceOriginatorID>
      </authenticationKey>
      <getAncestorsOrganization xsi:type="m0:organizationGetCriteriaType">
        <m0:organizationID xsi:type="xsd:string">ORG-1234</m0:organizationID>
        <m0:includeChildren xsi:type="xsd:boolean">1</m0:includeChildren>
      </getAncestorsOrganization>
    </m:getAncestors>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Output Parameters

Parameter Name	Parameter Type	Name Space
getAncestorsResponse	GetAncestorsResponseType	http://www.fpds.gov/FPDS

The output parameter in the response is wrapped as follows:

Success Output

Parameter Name	Parameter Type	Name Space
requestNumber	RequestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	ConfirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	OutputMessagesType	http://www.fpds.gov/FPDS
getAncestorsResponse	getAncestorsResponseType	http://www.fpds.gov/FPDS

Failure Output

Parameter Name	Parameter Type	Name Space
requestNumber	RequestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	ConfirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	OutputMessagesType	http://www.fpds.gov/FPDS
getAncestorsResponse	GetAncestorsResponseType	http://www.fpds.gov/FPDS

Sample Response

Success:

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getAncestorsResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getAncestorsResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176973847</ns1:requestNumber>
        <ns1:confirmationNumber>651148356</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:listOfErrors/>
          <ns1:listOfWarnings/>
          <ns1:listOfInfoMessages/>
        </ns1:outputMessages>
        <ns1:parentOrganization>
          <ns1:organizationID>ORG-1234</ns1:organizationID>
          <ns1:parentOrganizationID>ORG-9999</ns1:parentOrganizationID>
          <ns1:parentOrganizationCode>0000</ns1:parentOrganizationCode>
          <ns1:organizationCode>1111</ns1:organizationCode>
          <ns1:organizationName>TEST </ns1:organizationName>
          <ns1:endDate>2003-09-30 00:00:00.0</ns1:endDate>
          <ns1:organizationCategoryID>CAT-4</ns1:organizationCategoryID>
          <ns1:auditInformation>
            <ns1:createdBy>TEST</ns1:createdBy>
            <ns1:createdDate>2003-09-30 04:26:36.0</ns1:createdDate>
            <ns1:lastModifiedBy>TEST</ns1:lastModifiedBy>
            <ns1:lastModifiedDate>2003-09-30 04:26:36.0</ns1:lastModifiedDate>
          </ns1:auditInformation>
          <ns1:parentOrganization>
            <ns1:organizationID>ORG-1112</ns1:organizationID>
            <ns1:organizationCode>1111</ns1:organizationCode>
            <ns1:organizationName>TEST</ns1:organizationName>
            <ns1:startDate>1978-10-01 00:00:00.0</ns1:startDate>
            <ns1:organizationCategoryID>CAT-3</ns1:organizationCategoryID>
            <ns1:auditInformation>
              <ns1:createdBy>TEST </ns1:createdBy>
              <ns1:createdDate>1996-06-10 00:00:00.0</ns1:createdDate>
              <ns1:lastModifiedBy>TEST</ns1:lastModifiedBy>
              <ns1:lastModifiedDate>2006-10-28 17:37:03.0</ns1:lastModifiedDate>
            </ns1:auditInformation>
          </ns1:parentOrganization>
        </ns1:parentOrganization>
      </ns1:getAncestorsResponse>
    </soapenv:Body>
  </soapenv:Envelope>

```

Failure:

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getAncestorsResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getAncestorsResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176973850</ns1:requestNumber>
        <ns1:confirmationNumber>-1</ns1:confirmationNumber>
        <ns1:outputMessages>

```

```

<ns1:ListOfErrors>
  <ns1:error>
    <ns1:elementName>organization/organizationID</ns1:elementName>
    <ns1:errorCode>ORGH11201</ns1:errorCode>
    <ns1:errorMessage>The Organization ID does not exist.</ns1:errorMessage>
  </ns1:error>
</ns1:ListOfErrors>
<ns1:ListOfWarnings/>
<ns1:ListOfInfoMessages/>
</ns1:outputMessages>
<ns1:parentOrganization>
  <ns1:organizationID>ORG-TEST</ns1:organizationID>
</ns1:parentOrganization>
</ns1:getAncestorsResponse>
</ns1:getAncestorsResponse>
</soapenv:Body>
</soapenv:Envelope>

```

3.2.1.7 getListOfOrganizationCategories

- The service getListOfOrganizationCategories returns list of organization categories for a given organization in FPDS and returns the record in the XML format specified by the schema.
- For DoD, it returns four categories and for Civilians, it returns two categories.
- The getListOfOrganizationCategories service also checks for valid authorization of the requesting user before sending back the response.

Service Methods

Service Type/Name	Service Description
getListOfOrganizationCategories()	Returns List of Organization Categories.

Input Parameters

Parameter Name	Parameter Type	Name Space
authenticationKey	authenticationKeyType	http://www.fpds.gov/FPDS
organizationCategorySearchCriteria	OrganizationCategorySearchCriteria Type	http://www.fpds.gov/FPDS

Sample Request

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:m0="http://www.fpds.gov/FPDS">
  <SOAP-ENV:Body>
    <m:getListOfOrganizationCategories
      xmlns:m="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization" SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <authenticationKey xsi:type="m0:userAuthenticationKeyType">
        <m0:userID xsi:type="m0:userID">youruserid</m0:userID>
        <m0:password xsi:type="m0:password">yourpassword</m0:password>
        <m0:serviceOriginatorID
          xsi:type="m0:serviceOriginatorID">yourserviceoriginatorid</m0:serviceOriginatorID>
        </authenticationKey>
        <organizationCategorySearchCriteria xsi:type="m0:organizationCategorySearchCriteriaType">

```

```

        <m0:organizationCode xsi:type="xsd:string">1111</m0:organizationCode>
    </organizationCategorySearchCriteria>
</m:getListOfOrganizationCategories>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
    
```

Output Parameters

Parameter Name	Parameter Type	Name Space
listOfOrganizationCategories	listOfOrganizationCategoriesType	http://www.fpds.gov/FPDS

The output parameter in the response is wrapped as follows:

Success Output

Parameter Name	Parameter Type	Name Space
requestNumber	RequestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	ConfirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	OutputMessagesType	http://www.fpds.gov/FPDS
listOfOrganizationCategories	listOfOrganizationCategoriesType	http://www.fpds.gov/FPDS
organizationCategory	OrganizationCategoryType	http://www.fpds.gov/FPDS

Failure Output

Parameter Name	Parameter Type	Name Space
requestNumber	RequestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	ConfirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS

Sample Response

Success:

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getListOfOrganizationCategoriesResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getListOfOrganizationCategoriesResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176594652</ns1:requestNumber>
        <ns1:confirmationNumber>650701063</ns1:confirmationNumber>
        <ns1:outputMessages>
    
```



```

    <ns1:listOfErrors/>
    <ns1:listOfWarnings/>
    <ns1:listOfInfoMessages/>
  </ns1:outputMessages>
  <ns1:listOfOrganizationCategories>
    <ns1:organizationCategory>
      <ns1:organizationCategoryID>CAT-3</ns1:organizationCategoryID>
      <ns1:organizationCategoryName>DEPARTMENT</ns1:organizationCategoryName>
      <ns1:organizationCategoryLevel>10</ns1:organizationCategoryLevel>
      <ns1:organizationCode>TEST</ns1:organizationCode>
    </ns1:organizationCategory>
    <ns1:organizationCategory>
      <ns1:organizationCategoryID>CAT-4</ns1:organizationCategoryID>
      <ns1:organizationCategoryName>AGENCY</ns1:organizationCategoryName>
      <ns1:organizationCategoryLevel>20</ns1:organizationCategoryLevel>
      <ns1:organizationCode>TEST</ns1:organizationCode>
    </ns1:organizationCategory>
    <ns1:organizationCategory>
      <ns1:organizationCategoryID>CAT-5</ns1:organizationCategoryID>
      <ns1:organizationCategoryName>MAJOR COMMAND</ns1:organizationCategoryName>
      <ns1:organizationCategoryLevel>30</ns1:organizationCategoryLevel>
      <ns1:organizationCode>TEST</ns1:organizationCode>
    </ns1:organizationCategory>
    <ns1:organizationCategory>
      <ns1:organizationCategoryID>CAT-6</ns1:organizationCategoryID>
      <ns1:organizationCategoryName>SUB COMMAND</ns1:organizationCategoryName>
      <ns1:organizationCategoryLevel>40</ns1:organizationCategoryLevel>
      <ns1:organizationCode>TEST</ns1:organizationCode>
    </ns1:organizationCategory>
  </ns1:listOfOrganizationCategories>
</ns1:getListOfOrganizationCategoriesResponse>
</ns1:getListOfOrganizationCategoriesResponse>
</soapenv:Body>
</soapenv:Envelope>

```

Failure:

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getListOfOrganizationCategoriesResponse
      soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
      xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
      xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getListOfOrganizationCategoriesResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176595365</ns1:requestNumber>
        <ns1:confirmationNumber>-1</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:listOfErrors>
            <ns1:error>
              <ns1:elementName>organizationCategorySearchCriteria/organizationCode</ns1:elementName>
              <ns1:errorCode>ORGH11206</ns1:errorCode>
              <ns1:errorMessage>The Root Organization Code does not exist.</ns1:errorMessage>
            </ns1:error>
          </ns1:listOfErrors>
          <ns1:listOfWarnings/>
          <ns1:listOfInfoMessages/>
        </ns1:outputMessages>
      </ns1:getListOfOrganizationCategoriesResponse>
    </ns1:getListOfOrganizationCategoriesResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

3.2.1.8 getOrganizationTreeByDate

- The service getOrganizationTreeByDate returns hierarchy details for the given organization in FPDS during the date range as provided in the request in the XML format specified by the schema.
- The getListOfOrganizationCategories service also checks for valid authorization of the requesting user before sending back the response.

Service Methods

Service Type/Name	Service Description
getOrganizationTreeByDate()	Returns list of Organizations' count and organization tree for all the organization.

Input Parameters

Parameter Name	Parameter Type	Name Space
authenticationKey	authenticationKeyType	http://www.fpds.gov/FPDS
getOrganizationTreeByDateCriteria	getOrganizationTreeByDateCriteria Type	http://www.fpds.gov/FPDS

Sample Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:m0="http://www.fpds.gov/FPDS">
  <SOAP-ENV:Body>
    <m:getOrganizationTreeByDate
      xmlns:m="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization" SOAP-ENC:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <authenticationKey xsi:type="m0:userAuthenticationKeyType">
        <m0:userID xsi:type="m0:userID">youruserid</m0:userID>
        <m0:password xsi:type="m0:password">yourpassword</m0:password>
        <m0:serviceOriginatorID
          xsi:type="m0:serviceOriginatorID">yourserviceoriginatorid</m0:serviceOriginatorID>
        </authenticationKey>
      <getOrganizationTreeByDateCriteria xsi:type="m0:getOrganizationTreeByDateCriteriaType">
        <m0:parentOrganizationID xsi:type="xsd:string">ORG-9999</m0:parentOrganizationID>
        <m0:startDate xsi:type="xsd:string">2010-06-01 00:00:00</m0:startDate>
        <m0:endDate xsi:type="xsd:string">2010-07-01 00:00:00</m0:endDate>
      </getOrganizationTreeByDateCriteria>
    </m:getOrganizationTreeByDate>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Output Parameters

Parameter Name	Parameter Type	Name Space
listOfOrganizations	listOfOrganizationsType	http://www.fpds.gov/FPDS

The output parameter in the response is wrapped as follows:

Success Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS
listOfOrganizations	listOfOrganizationsType	http://www.fpds.gov/FPDS

Failure Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS

Sample Response

Success:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getOrganizationTreeByDateResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getListOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176598029</ns1:requestNumber>
        <ns1:confirmationNumber>650703597</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:listOfErrors/>
          <ns1:listOfWarnings/>
          <ns1:listOfInfoMessages/>
        </ns1:outputMessages>
        <ns1:listOfOrganizations>
          <ns1:count>
            <ns1:total>1</ns1:total>
            <ns1:fetched>1</ns1:fetched>
          </ns1:count>
          <ns1:organization>
            <ns1:organizationID>ORG-1234</ns1:organizationID>
            <ns1:organizationCode>9999</ns1:organizationCode>
            <ns1:organizationName>0000</ns1:organizationName>
            <ns1:startDate>1978-10-01 00:00:00.0</ns1:startDate>
            <ns1:organizationCategoryID>CAT-3</ns1:organizationCategoryID>
            <ns1:auditInformation>
              <ns1:createdBy>TEST</ns1:createdBy>
              <ns1:createdDate>1998-06-10 00:00:00.0</ns1:createdDate>
              <ns1:lastModifiedBy>TEST</ns1:lastModifiedBy>
            </ns1:auditInformation>
          </ns1:organization>
        </ns1:listOfOrganizations>
      </ns1:getListOrganizationResponse>
    </ns1:getOrganizationTreeByDateResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

```

        <ns1:lastModifiedDate>2008-10-28 17:37:03.0</ns1:lastModifiedDate>
      </ns1:auditInformation>
    </ns1:organization>
  </ns1:ListOfOrganizations>
</ns1:getListOrganizationResponse>
</ns1:getOrganizationTreeByDateResponse>
</soapenv:Body>
</soapenv:Envelope>

```

Failure:

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getOrganizationTreeByDateResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getListOrganizationResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176598845</ns1:requestNumber>
        <ns1:confirmationNumber>-1</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:ListOfErrors>
            <ns1:error>
              <ns1:elementName>organization/parentOrganizationID</ns1:elementName>
              <ns1:errorCode>ORGH11207</ns1:errorCode>
              <ns1:errorMessage>The Parent Organization ID does not exist.</ns1:errorMessage>
            </ns1:error>
          </ns1:ListOfErrors>
          <ns1:ListOfWarnings/>
          <ns1:ListOfInfoMessages/>
        </ns1:outputMessages>
      </ns1:getListOrganizationResponse>
    </ns1:getOrganizationTreeByDateResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

3.2.2 Organization GUI Services Meta Specification

WSDL Parameter	Value
PortType	OrganizationPortType
Binding	OrganizationBinding
Soap-binding style	RPC
TargetNameSpace	Organization.wsdl

3.2.2.1 getNewOrganizationURL Organization Service

- The getNewOrganizationURL method returns the URL to launch the Organization web page with the Organization data provided in the request.
- When accessed from a browser, the web page shows up pre-populated with the Organization data sent in the request.

- This is used by external systems that might want to perform Organization related transactions using the FPDS system directly.

Service Methods

Service Type/Name	Service Description
getNewOrganizationURL()	Get URL for new organization screen

Input Parameters

Parameter Name	Parameter Type	Name Space
authenticationKey	userAuthenticationKeyType	http://www.fpds.gov/FPDS
organization	organizationType	http://www.fpds.gov/FPDS

Sample Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:m0="http://www.fpds.gov/FPDS">
  <SOAP-ENV:Body>
    <m:getNewOrganizationURL xmlns:m="urn:OrganizationalHierarchy.GUIServices.Organization.Organization" SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <authenticationKey xsi:type="m0:userAuthenticationKeyType">
        <m0:userID xsi:type="m0:userID">youruserid</m0:userID>
        <m0:password xsi:type="m0:password">yourpassword</m0:password>
        <m0:serviceOriginatorID
xsi:type="m0:serviceOriginatorID">yourserviceoriginatorid</m0:serviceOriginatorID>
      </authenticationKey>
      <organization xsi:type="m0:organizationType">
        <m0:organizationID>ORG-1234</m0:organizationID>
        <m0:parentOrganizationID>ORG-9999</m0:parentOrganizationID>
        <m0:parentOrganizationCode>1111</m0:parentOrganizationCode>
        <m0:organizationCode>0000</m0:organizationCode>
        <m0:organizationName>TEST</m0:organizationName>
        <m0:organizationShortName>TEST</m0:organizationShortName>
        <m0:startDate>2010-12-01 00:00:00.0</m0:startDate>
        <m0:organizationCategoryID>CAT-4</m0:organizationCategoryID>
      </organization>
    </m:getNewOrganizationURL>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Output Parameters

Parameter Name	Parameter Type	Name Space
getNewOrganizationURLResponse	getNewOrganizationURLResponseType	http://www.fpds.gov/FPDS

The output parameter in the response is wrapped as follows:

Success Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS
getNewOrganizationURLResponse	getNewOrganizationURLResponseType	http://www.fpds.gov/FPDS

Failure Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS
getNewOrganizationURLResponse	getNewOrganizationURLResponseType	http://www.fpds.gov/FPDS

Sample Response

Success:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getNewOrganizationURLResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.GUI.Services.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getNewOrganizationURLResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176332146</ns1:requestNumber>
        <ns1:confirmationNumber>650479608</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:listOfErrors/>
          <ns1:listOfWarnings/>
          <ns1:listOfInfoMessages/>
        </ns1:outputMessages>
        <ns1:OrganizationURL>https://www.fpds.gov/org/common/jsp/LaunchWebPage.jsp?command=execute&requestid
=xxxxxxx</ns1:OrganizationURL>
      </ns1:getNewOrganizationURLResponse>
    </ns1:getNewOrganizationURLResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Failure:

N/A

3.2.2.2 **getExistingOrganizationURL Organization Service**

- The getExistingOrganizationURL method returns the URL to launch the Organization web page screen with the Organization data existing in the database, identified using the ID provided in the request.
- When accessed by a web browser, the web page is pre-populated with the Organization data fetched from the database using the Organization ID send in the request.
- This is used by external systems that might want to perform Organization related transactions using the FPDS system directly.

Service Methods

Service Type/Name	Service Description
get ExistingOrganizationURL()	Get URL for Existing organization screen

Input Parameters

Parameter Name	Parameter Type	Name Space
authenticationKey	userAuthenticationKeyType	http://www.fpds.gov/FPDS
organization	organizationType	http://www.fpds.gov/FPDS

Sample Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:m0="http://www.fpds.gov/FPDS">
  <SOAP-ENV:Body>
    <m:getExistingOrganizationURL xmlns:m="urn:OrganizationalHierarchy.GUIServices.Organization.Organization" SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <authenticationKey xsi:type="m0:userAuthenticationKeyType">
        <m0:userID xsi:type="m0:userID">youruserid</m0:userID>
        <m0:password xsi:type="m0:password">yourpassword</m0:password>
        <m0:serviceOriginatorID
xsi:type="m0:serviceOriginatorID">yourserviceoriginatorid</m0:serviceOriginatorID>
      </authenticationKey>
      <organization xsi:type="m0:organizationType">
        <m0:organizationID>ORG-1234</m0:organizationID>
        <m0:parentOrganizationID>ORG-9999</m0:parentOrganizationID>
        <m0:parentOrganizationCode>1111</m0:parentOrganizationCode>
        <m0:organizationCode>0000</m0:organizationCode>
        <m0:organizationName>TEST </m0:organizationName>
        <m0:organizationShortName>TEST</m0:organizationShortName>
        <m0:startDate>2010-12-01 00:00:00.0</m0:startDate>
        <m0:organizationCategoryID>CAT-4</m0:organizationCategoryID>
      </organization>
    </m:getExistingOrganizationURL>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Output Parameters

Parameter Name	Parameter Type	Name Space
getExistingOrganizationURLResponse	getExistingOrganizationURLResponseType	http://www.fpds.gov/FPDS

The output parameter in the response is wrapped as follows:

Success Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS
getExistingOrganizationURLResponse	getExistingOrganizationURLResponseType	http://www.fpds.gov/FPDS

Failure Output

Parameter Name	Parameter Type	Name Space
requestNumber	requestNumberType	http://www.fpds.gov/FPDS
confirmationNumber	confirmationNumberType	http://www.fpds.gov/FPDS
outputMessages	outputMessagesType	http://www.fpds.gov/FPDS
getExistingOrganizationURLResponse	getExistingOrganizationURLResponseType	http://www.fpds.gov/FPDS

Sample Response

Success:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getExistingOrganizationURLResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="urn:OrganizationalHierarchy.GUIServices.Organization.Organization"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <ns1:getExistingOrganizationURLResponse xmlns:ns1="http://www.fpds.gov/FPDS">
        <ns1:requestNumber>9176332253</ns1:requestNumber>
        <ns1:confirmationNumber>650479688</ns1:confirmationNumber>
        <ns1:outputMessages>
          <ns1:listOfErrors/>
          <ns1:listOfWarnings/>
          <ns1:listOfInfoMessages/>
        </ns1:outputMessages>
      </ns1:getExistingOrganizationURLResponse>
    </ns1:getExistingOrganizationURLResponse>
  </soapenv:Body>
</soapenv:Envelope>
```



```
<ns1:OrganizationURL>https://www.fpds.gov/org/common/jsp/LaunchWebPage.jsp?command=execute&re
questid=xxxxxxx</ns1:OrganizationURL>
  </ns1:getExistingOrganizationURLResponse>
</ns1:getExistingOrganizationURLResponse>
</soapenv:Body>
</soapenv:Envelope>
```

Failure: N/A

Appendix A: WSDL

Organization.wsdl (Business services)

```

<definitions xmlns="http://schemas.xmlsoap.org/wsdl/" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:http="http://schemas.xmlsoap.org/wsdl/http/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
xmlns:FPDS="http://www.fpds.gov/FPDS" targetNamespace="http://www.fpds.gov/FPDS" name="OrganizationalHierarchy">
  <types>
    <schema elementFormDefault="qualified" version="1.0" targetNamespace="http://www.fpds.gov/FPDS"
xmlns="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:FPDS="http://www.fpds.gov/FPDS">
      <include schemaLocation="http://www.fpds.gov/OrganizationalHierarchy/schema/Organization/1.0/Organization.xsd"/>
      <include schemaLocation="http://www.fpds.gov/FPDS/schema/SystemServices/1.1/Service.xsd"/>
      <!--include schemaLocation="http://www.fpds.gov/FPDS/schema/SystemAdministration/users/1.1/User.xsd"/-->
      <complexType name="createOrganizationResponseType">
        <complexContent>
          <extension base="FPDS:responseType">
            <sequence>
              <element name="organization" type="FPDS:organizationType" nillable="true" minOccurs="0"/>
            </sequence>
          </extension>
        </complexContent>
      </complexType>
      <complexType name="updateOrganizationResponseType">
        <complexContent>
          <extension base="FPDS:responseType">
            <sequence>
              <element name="organization" type="FPDS:organizationType" nillable="true" minOccurs="0"/>
            </sequence>
          </extension>
        </complexContent>
      </complexType>
      <complexType name="reassignOrganizationResponseType">
        <complexContent>
          <extension base="FPDS:responseType">
            <sequence>
              <element name="organization" type="FPDS:organizationType" nillable="true" minOccurs="0"/>
            </sequence>
          </extension>
        </complexContent>
      </complexType>
      <complexType name="getOrganizationResponseType">
        <complexContent>
          <extension base="FPDS:responseType">
            <sequence>
              <element name="organization" type="FPDS:organizationType" nillable="true" minOccurs="0"/>
            </sequence>
          </extension>
        </complexContent>
      </complexType>
      <complexType name="deleteOrganizationResponseType">
        <complexContent>
          <extension base="FPDS:responseType">
            <sequence>
              <element name="isDeleted" type="boolean" nillable="true" minOccurs="0"/>
            </sequence>
          </extension>
        </complexContent>
      </complexType>
      <complexType name="enableOrganizationResponseType">
        <complexContent>
          <extension base="FPDS:responseType">
            <sequence>

```

```

        <element name="isEnabled" type="boolean" nillable="true" minOccurs="0"/>
    </sequence>
</extension>
</complexContent>
</complexType>
<complexType name="disableOrganizationResponseType">
    <complexContent>
        <extension base="FPDS:responseType">
            <sequence>
                <element name="isDisabled" type="boolean" nillable="true" minOccurs="0"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>
<complexType name="existsOrganizationResponseType">
    <complexContent>
        <extension base="FPDS:responseType">
            <sequence>
                <element name="isExists" type="boolean" nillable="true" minOccurs="0"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>
<complexType name="getListOrganizationResponseType">
    <complexContent>
        <extension base="FPDS:responseType">
            <sequence>
                <element name="listOfOrganizations" type="FPDS:listOfOrganizationsType" nillable="true"
minOccurs="0"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>
<complexType name="getAncestorsResponseType">
    <complexContent>
        <extension base="FPDS:responseType">
            <sequence>
                <element name="parentOrganization" type="FPDS:parentOrganizationType" nillable="true"
minOccurs="0"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>
<complexType name="getListOfOrganizationCategoriesResponseType">
    <complexContent>
        <extension base="FPDS:responseType">
            <sequence>
                <element name="listOfOrganizationCategories" type="FPDS:listOfOrganizationCategoriesType"
nillable="true" minOccurs="0"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>
</schema>
</types>
<message name="createInput">
    <part name="authenticationKey" type="FPDS:userAuthenticationKeyType"/>
    <part name="organization" type="FPDS:organizationType"/>
</message>
<message name="updateInput">
    <part name="authenticationKey" type="FPDS:userAuthenticationKeyType"/>
    <part name="organization" type="FPDS:organizationType"/>
</message>
<message name="reassignInput">
    <part name="authenticationKey" type="FPDS:userAuthenticationKeyType"/>
    <part name="organization" type="FPDS:organizationType"/>

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</message>
<message name="getInput">
  <part name="authenticationKey" type="FPDS:userAuthenticationKeyType"/>
  <part name="organizationGetCriteria" type="FPDS:organizationGetCriteriaType"/>
</message>
<message name="getListInput">
  <part name="authenticationKey" type="FPDS:userAuthenticationKeyType"/>
  <part name="organizationSearchCriteria" type="FPDS:organizationSearchCriteriaType"/>
</message>
<message name="createOutput">
  <part name="createOrganizationResponse" type="FPDS:createOrganizationResponseType"/>
</message>
<message name="updateOutput">
  <part name="updateOrganizationResponse" type="FPDS:updateOrganizationResponseType"/>
</message>
<message name="reassignOutput">
  <part name="reassignOrganizationResponse" type="FPDS:reassignOrganizationResponseType"/>
</message>
<message name="getOutput">
  <part name="getOrganizationResponse" type="FPDS:getOrganizationResponseType"/>
</message>
<message name="getListOutput">
  <part name="getListOrganizationResponse" type="FPDS:getListOrganizationResponseType"/>
</message>
<message name="getAncestorsOutput">
  <part name="getAncestorsOutput" type="FPDS:getAncestorsResponseType"/>
</message>
<message name="getAncestorsInput">
  <part name="authenticationKey" type="FPDS:userAuthenticationKeyType"/>
  <part name="getAncestorsOrganization" type="FPDS:organizationGetCriteriaType"/>
</message>
<message name="getListOfOrganizationCategoriesOutput">
  <part name="getListOfOrganizationCategoriesOutput" type="FPDS:getListOfOrganizationCategoriesResponseType"/>
</message>
<message name="getListOfOrganizationCategoriesInput">
  <part name="authenticationKey" type="FPDS:userAuthenticationKeyType"/>
  <part name="organizationCategorySearchCriteria" type="FPDS:organizationCategorySearchCriteriaType"/>
</message>
<message name="getOrganizationTreeByDateInput">
  <part name="authenticationKey" type="FPDS:userAuthenticationKeyType"/>
  <part name="getOrganizationTreeByDateCriteria" type="FPDS:getOrganizationTreeByDateCriteriaType"/>
</message>
<message name="getOrganizationTreeByDateOutput">
  <part name="getOrganizationTreeByDateResponse" type="FPDS:getListOrganizationResponseType"/>
</message>
<portType name="OrganizationPortType">
  <operation name="create">
    <input message="FPDS:createInput"/>
    <output message="FPDS:createOutput"/>
  </operation>
  <operation name="update">
    <input message="FPDS:updateInput"/>
    <output message="FPDS:updateOutput"/>
  </operation>
  <operation name="reassign">
    <input message="FPDS:reassignInput"/>
    <output message="FPDS:reassignOutput"/>
  </operation>
  <operation name="get">
    <input message="FPDS:getInput"/>
    <output message="FPDS:getOutput"/>
  </operation>
  <operation name="getList">
    <input message="FPDS:getListInput"/>
    <output message="FPDS:getListOutput"/>
  </operation>

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<operation name="getAncestors">
  <input message="FPDS:getAncestorsInput"/>
  <output message="FPDS:getAncestorsOutput"/>
</operation>
<operation name="getListOfOrganizationCategories">
  <input message="FPDS:getListOfOrganizationCategoriesInput"/>
  <output message="FPDS:getListOfOrganizationCategoriesOutput"/>
</operation>
<operation name="getOrganizationTreeByDate">
  <input message="FPDS:getOrganizationTreeByDateInput"/>
  <output message="FPDS:getOrganizationTreeByDateOutput"/>
</operation>
</portType>
<binding name="OrganizationBinding" type="FPDS:OrganizationPortType">
  <soap:binding style="rpc" transport="http://schemas.xmlsoap.org/soap/http"/>
  <operation name="create">
    <soap:operation/>
    <input>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
    </input>
    <output>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
    </output>
  </operation>
  <operation name="update">
    <soap:operation/>
    <input>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
    </input>
    <output>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
    </output>
  </operation>
  <operation name="reassign">
    <soap:operation/>
    <input>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
    </input>
    <output>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
    </output>
  </operation>
  <operation name="get">
    <soap:operation/>
    <input>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
    </input>
    <output>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
    </output>
  </operation>
  <operation name="getList">
    <soap:operation/>
    <input>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
    </input>
    <output>

```

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        <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
    </output>
    </operation>
    <operation name="getAncestors">
        <soap:operation/>
        <input>
            <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
        </input>
        <output>
            <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
        </output>
    </operation>
    <operation name="getListOfOrganizationCategories">
        <soap:operation/>
        <input>
            <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
        </input>
        <output>
            <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
        </output>
    </operation>
    <operation name="getOrganizationTreeByDate">
        <soap:operation/>
        <input>
            <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
        </input>
        <output>
            <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.BusinessServices.Organization.Organization"/>
        </output>
    </operation>
</binding>
<service name="Organization">
    <port name="OrganizationPort" binding="FPDS:OrganizationBinding">
        <soap:address
location="https://www.fpds.gov/OrganizationalHierarchy/BusinessServices/Organization/1.0/Organization"/>
    </port>
</service>
</definitions>

```

Organization.wsdl (GUI services)

```

<definitions xmlns="http://schemas.xmlsoap.org/wsdl/" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:http="http://schemas.xmlsoap.org/wsdl/http/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
xmlns:FPDS="http://www.fpds.gov/FPDS" targetNamespace="http://www.fpds.gov/FPDS" name="Organization">
    <import namespace="http://www.fpds.gov/FPDS" location="http://www.fpds.gov/FPDS/schema/SystemServices/1.1/Service.xsd"/>
    <import namespace="http://www.fpds.gov/FPDS"
location="http://www.fpds.gov/OrganizationalHierarchy/schema/Organization/1.0/Organization.xsd"/>
    <types>
        <schema elementFormDefault="qualified" version="1.0" targetNamespace="http://www.fpds.gov/FPDS"
xmlns="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:FPDS="http://www.fpds.gov/FPDS">
            <complexType name="getNewOrganizationURLResponseType">
                <complexContent>
                    <extension base="FPDS:responseType">
                        <sequence>
                            <element name="OrganizationURL" type="FPDS:urlType" nillable="true" minOccurs="0"/>
                        </sequence>
                    </extension>
                </complexContent>
            </complexType>
        </schema>
    </types>

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```

        </complexContent>
      </complexType>
    <complexType name="getExistingOrganizationURLResponseType">
      <complexContent>
        <extension base="FPDS:responseType">
          <sequence>
            <element name="OrganizationURL" type="FPDS:urlType" nillable="true" minOccurs="0"/>
          </sequence>
        </extension>
      </complexContent>
    </complexType>
  </schema>
</types>
<message name="getNewOrganizationURLInput">
  <part name="authenticationKey" type="FPDS:userAuthenticationKeyType"/>
  <part name="organization" type="FPDS:organizationType"/>
</message>
<message name="getExistingOrganizationURLInput">
  <part name="authenticationKey" type="FPDS:userAuthenticationKeyType"/>
  <part name="organization" type="FPDS:organizationType"/>
</message>
<message name="getNewOrganizationURLOutput">
  <part name="OrganizationURL" type="FPDS:getNewOrganizationURLResponseType"/>
</message>
<message name="getExistingOrganizationURLOutput">
  <part name="OrganizationURL" type="FPDS:getExistingOrganizationURLResponseType"/>
</message>
<portType name="OrganizationPortType">
  <operation name="getNewOrganizationURL">
    <input message="FPDS:getNewOrganizationURLInput"/>
    <output message="FPDS:getNewOrganizationURLOutput"/>
  </operation>
  <operation name="getExistingOrganizationURL">
    <input message="FPDS:getExistingOrganizationURLInput"/>
    <output message="FPDS:getExistingOrganizationURLOutput"/>
  </operation>
</portType>
<binding name="OrganizationBinding" type="FPDS:OrganizationPortType">
  <soap:binding style="rpc" transport="http://schemas.xmlsoap.org/soap/http"/>
  <operation name="getNewOrganizationURL">
    <soap:operation soapAction=""/>
    <input>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.GUIServices.Organization.Organization"/>
    </input>
    <output>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.GUIServices.Organization.Organization"/>
    </output>
  </operation>
  <operation name="getExistingOrganizationURL">
    <soap:operation soapAction=""/>
    <input>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.GUIServices.Organization.Organization"/>
    </input>
    <output>
      <soap:body use="encoded" encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
namespace="urn:OrganizationalHierarchy.GUIServices.Organization.Organization"/>
    </output>
  </operation>
</binding>
<service name="Organization">
  <port name="OrganizationPort" binding="FPDS:OrganizationBinding">
    <soap:address location="https://www.fpds.gov/OrganizationalHierarchy/GUIServices/Organization/1.0/Organization"/>
  </port>

```

```
</service>  
<documentation>WSDL for the Orgnaization GUI web services</documentation>  
</definitions>
```