Enrollment System Redesign

Service Definition Document

Version 1.3



*April 2012*

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Author |
| 08/29/2011 | 1.0 | Initial draft | Sudha Ramani |
| 11/15/2011 | 1.1 | Updated for ESR 3.7 release | Sudha Ramani |
| 4/12/2012 | 1.2 | Updated for ESR 3.8 release | Sudha Ramani Ram Chinnasamy |
| 12/27/2012 | 1.3 | Updated to support new E&E interfaces for ESR-IVM bidirectional data sharing interface for ESR 3.11 release | Randhir Manhas |
|  |  |  |  |

Table of Contents

1. Introduction 1

1.1. Purpose 1

1.2. Scope 1

1.3. References 1

2. Service Information 3

2.1. Service Description 3

2.2. Service Identification 3

2.3. Service Process and Governance 3

2.4. Current Service Status 3

3. Dependency Model 4

4. Interface 6

4.1. Interface Description 6

4.2. Technical Specification 6

4.3. Information Model 8

4.4. Behavior Model 9

4.4.1. Behavior Analysis 9

Use Cases 9

Sequence Diagrams 10

4.4.2. Message Payload Headers 24

Message\_Request\_Header 24

Message\_Response\_Header 24

4.4.3. Operation Contracts 25

Operation Contract: getEESummary 25

getEESummary Request 25

getEESummary Response 25

Operation Contract: getEESummaryHistory 26

getEESummaryHistory Request 26

getEESummaryHisotry Response 27

Operation Contract: retrieveIVMCandidates 30

retrieveIVMCandidates Request 30

retrieveIVMCandidates Response 30

Operation Contract: updateIVMRecordStatus 32

updateIVMRecordStatus Request 32

updateIVMRecordStatus Response 32

Operation Contract: getEligibilityDetermination 34

getEligibilityDetermination Request 34

getEligibilityDetermination Response 34

Operation Contract: getPersonNotification 37

getPersonNotification Request 37

getPersonNotification Response 39

Operation Contract: getDeliveryPreference 42

getDeliveryPreference Request 42

getDeliveryPreference Response 42

Operation Contract: updateDeliveryPreference 48

updateDeliveryPreference Request 48

updateDeliveryPreference Response 52

4.5. Policies and Qualities of Service 54

4.5.1. Business Policies 54

4.5.2. Performance 54

4.5.3. Metrics 54

4.5.4. Standards Compliance 54

# Introduction

## Purpose

This Service Description Document (SDD) presents the information required to consume Enrollment and Eligibility (E&E) service and to determine if this service is appropriate for the needs of the service consumer. This document is intended to be a technical integration guide for the consumers. This document contains a high level overview of the E&E service and service interfaces as well as low level communication and message payload structures and definitions.

## Scope

The scope of the SDD is the full definition of E&E Service so that it can be effectively and appropriately consumed by applications or other services. This document does not contain information about consumers of this service because this service has no direct dependency or knowledge of its consumers. This document will not contain information about the execution context because it may be implemented and deployed in different environments.

## References

E&E requirements

Requirements for getEESummary interface:

<http://vhaispwww10/sites/REEG/enrollpgm/ESR%2033/E%20and%20E%20Web%20Service/Requirements/RSD%20EE%20Service%20Final.doc>

Requirements for getEESummaryHistory Interface:

<http://vhaispwww10/sites/REEG/enrollpgm/ESR%2036/E%20and%20E%20Web%20Service/Requirements/In-Process/RSD-ENROLLMENT%20SERVICES-%20RSD-DATE%20OF%20SERVICE%20PARAMETER.doc>

Requirements for getEligibilityStatus Interface:

<http://vhaispwww10/sites/REEG/enrollpgm/ESR%2036/T-Pharm/Requirements/In-Process%20Requirements/ESR_3.6_T-Pharm_Requirements%20Specification%20Document_RSD_Signed.pdf>

Mapping of E&E service payload to ADR database elements

<http://vhaispwww10/sites/REEG/enrollpgm/ESR%2036/E%20and%20E%20Web%20Service/Design%20-%20Developers/EE%20Database%20Application%20Mapping.xls>

Requirements for getPersonNotification interface:

Requirements for getDeliveryPreference and updateDeliveryPreference interface:

<http://vaww.infoshare.va.gov/sites/vrm/MSTI/Enrollment/Forms/AllItems.aspx?RootFolder=%2fsites%2fvrm%2fMSTI%2fEnrollment%2fESR%203%2e8%2fHandbook%2fRequirements&FolderCTID=&View=%7b770C3CEF%2dEB6E%2d459D%2d9D03%2dE3D4878B3244%7d>

Requirements for retrieveIVMCandidates, updateIVMRecordStatus and updated getEESummary

<http://vaww.oed.portal.va.gov/sites/vrm/MSTI/Enrollment/ESR%203.11/ORR%20Documents/ESR_3_11_RSD_VFA.docx>

# Service Information

The Service Information section defines the service so that it can be managed, identified, and governed.

## Service Description

Many divisions within the VA need access to authoritative Eligibility and Enrollment information that the Health Eligibility Center maintains. These external departments need to have fast and real-time access to this E&E information in order to provide appropriate services to veterans. E&E service was developed for the purpose of providing a summary of Veteran’s enrollment and eligibility information.

## Service Identification

This section defines administrative information about the service so that it can be managed and governed.

|  |  |
| --- | --- |
| **Item** | **Details** |
| **Service Name** | *Enrollment and Eligibility (E&E) service* |
| **Service Version** | *1.0* |
| **Business Domain** | *Health Eligibility Center* |
| **Business Owner** | *Javon Hyland* |
| **Development Owner** | *Office of Enterprise Development* |
| **Support Owner** | *Office of Enterprise Development* |
| **Technical Owner** | *Office of Enterprise Development- Jennifer Freese* |
| **Service Classification Level** | *Data Service* |
| **Service Authority Level** | *Enterprise* |

## Service Process and Governance

Consumers intending to utilize E&E service MUST be authorized and verified by the Health Eligibility Center business representatives. Each consumer is required to develop an integration agreement with the HEC explaining the purpose for using the E&E service, any additional data elements required and how the data provided by the service will be used in their business process. Any additional requirements provided will be reviewed and prioritized by the HEC business owner and allocated to a specific ESR release. A requirement specification document will be developed to baseline the requirements.

If there are no additional requirements, HEC business owner will review and approve the integration agreement. Upon approval, HEC business owner will also create a service account and service request which defines the data elements in the service payload that the consumer is allowed to see. The service account name, password and the service request name will be provided to the consumer.

## Current Service Status

The Current Service Status shows the progress of the service from initiation through development, deployment, and eventual retirement.

|  |  |  |
| --- | --- | --- |
| **Service State** | **Description** | **Date Entered** |
| **Planned** | E&E service  getEligibilityDetermination (for requests containing identity traits of veteran)  retrieveIVMCandidates  getEESummary (will include additional data elements for ESR-IVM interface)  updateIVMRecordStatus | ESR 3.11 release, planned Deployment date 05/18/2013 |
| **Rejected** |  |  |
| **Designed** | E&E Service  getPersonNotification(for date of death notification from IDM) | ESR 3.7 release, planned  Deployment date  04/2012 |
| **Developed** | E&E service (getEESummary)  getEESummaryHistory  getEligibilityDetermination((for requests containing VPID / ICN of veteran)  getPersonNotification  getDeliveryPreference  updateDeliveryPreference | ESR 3.6 release , planned deployment date 01/28/2012 |
| **Deployed** | E&E Service  getEESummary | ESR 3.4 release  Deployed on 04/01/2011 |
| **Deprecated** |  |  |
| **Retired** |  |  |

# Dependency Model

The Dependency Model identifies other services, systems, databases, and other items that E&E service is dependent on. E&E service uses the ejb interface provided by Person Service Identification Management (PSIM) to retrieve Veteran’s identity traits. In future, E&E service will use MVI webservices to identify a veteran based on the traits provided by the E&E service consumer. E&E service uses the data from ADR repository to populate Veteran’s enrollment and eligibility information. Reference data from Standard Data Service (SDS) is also used to populate the codes and descriptions for the different code sets.



# Interface

This section contains all information necessary to fully describe an interface published by E&E service.

## Interface Description

E&E web service provides six interfaces.

1. getEESummary – this interface provides the current information on Veteran’s enrollment and eligibility information
2. getEESummaryHistory – this interface provides the information on Veteran’s information for the category requested (enrollment, eligibility,insurance, disability) as of the requested date
3. getEligibilityDetermination – based on Veteran’s enrollment status, this interface returns Veteran’s eligibility for VA services.
4. getPersonNotification – this interface provides the capability for PSIM to notify ESR of any updates to primary view, or link (merge) event, or move (unmerge event). In ESR 3.7 release, this interface will be primarily used by PSIM to notify ESR of Date of Death updates in the primary view.
5. getDeliveryPreference
6. updateDeliveryPreference

E&E web service provides two new interfaces for ESR-IVM bidirectional interface in ESR release 3.11:

1. retrieveIVMCandidates – this interface provides the capability to retrieve all Person IDs for which data needs to be pulled from ESR.
2. getEESummary – this interface provides the current information on Veteran’s enrollment and eligibility information. This is an existing interface but has been modified to include additional data elements for ESR-IVM bidirectional data sharing interface.
3. updateIVMRecordStatus – this interface provides the capability to update the status of the record that was transmitted to IVM.

E&E web service will provide new interface for ESR-IVM bidirectional interface in ESR release 3.12:

1. sendIVMUpdates – this interface will provide the capability to receive IVM data elements from IVM and insert into ESR database.

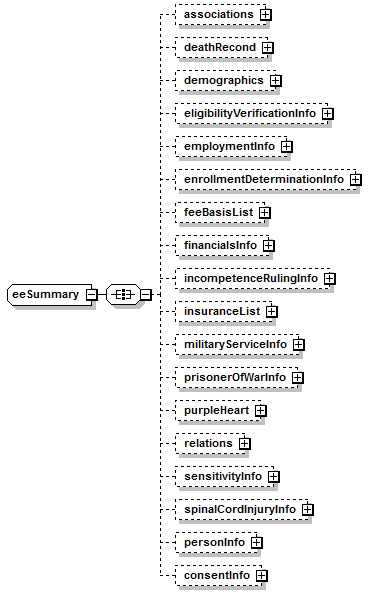
## Technical Specification

The technical specification allows developers of service consumers to locate and discover the service for run time consumption.

|  |  |
| --- | --- |
| **Item** | **Details** |
| **Service Invocation Type** | SOAP over HTTPS |
| **Service Interface Type** | WSDL via Web Service 2.0 |
| **Service Name** | Enrollment and Eligibility Service |
| **Interface** | <http://vhaesrapp41.aac.va.gov:7101/esr-ws/spring-ws/getEESummary>/eeSummary.wsdl |
| **Schema** | <http://vhaesrapp41.aac.va.gov:7101/esr-ws/spring-ws/getEESummary>/eeSummary.wsdl |
| **End Points** | Development:  <http://vhaesrapp41.aac.va.gov:7101/esr-ws/spring-ws/getEESummary>  SQA Stage1b:  <https://vaww.esrstage1b.aac.va.gov:8443/esr-ws/spring-ws/getEESummary/>  Pre-prod:  https://vaww.esrpre-prod.aac.va.gov:8443/esr-ws/spring-ws/getEESummary  Production:  https://vaww.esr.aac.va.gov:8443/esr-ws/spring-ws/getEESummary |

## Information Model

E&E service payload is summary information about the Veteran’s demographics, employment, insurance, military history, eligibility verification, enrollment determination and eligibility status. The response payload consists of the following domains.



All of this information comes from the ADR database, ADR schema.

## Behavior Model

The Behavior Model defines the actions and methods that are supported by the service. As stated above, there are six operations supported by E&E service that is described below and there will be additional 4 operations that will be supported by E&E service to support ESR-IVM bidirectional data sharing.

### Behavior Analysis

The six operations are

1. getEESummary – given a Veteran’s identifier (VPID), this returns the current summary information about the Veteran. This interface provides the current information on Veteran’s enrollment and eligibility information. This is an existing interface but has been enhanced to include additional data elements for ESR-IVM bidirectional data sharing interface
2. getEESummaryHistory – given the category of interest (enrollment,eligibility,disability, insurance) and the date as of which the information is required, this operation returns Veteran’s information as of the date desired.
3. getEligibilityDetermination – given the VPID, this operation returns the Veteran’s eligibility status for the services provided by VA.
4. getPersonNotification
5. getDeliveryPreference
6. updateDeliveryPreference
7. retrieveIVMCandidates – this interface provides the capability to retrieve all Person IDs for which data needs to be pulled from ESR.
8. updateIVMRecordStatus – this interface provides the capability to update the status of the record that was transmitted to IVM.

Future operations in E&E service that will be provided to support ESR-IVM bidirectional data sharing interface:

1. sendIVMUpdates – this interface will provide the capability to receive IVM data elements from IVM and insert into ESR database.

#### Use Cases

Use case for getEESummary

<http://vhaispwww10/sites/REEG/enrollpgm/ESR%2033/E%20and%20E%20Web%20Service/Requirements/RSD%20EE%20Service%20Final.doc>

Use case for getEESummaryHistory

<http://vhaispwww10/sites/REEG/enrollpgm/ESR%2036/E%20and%20E%20Web%20Service/Requirements/In-Process/RSD-ENROLLMENT%20SERVICES-%20RSD-DATE%20OF%20SERVICE%20PARAMETER.doc>

Use case for getEligibilityDetermination

<http://vhaispwww10/sites/REEG/enrollpgm/ESR%2036/T-Pharm/Requirements/In-Process%20Requirements/Process%20Request%20for%20Eligibility%20Determination%20with%20VPID%20Provided_UC.doc>

Use case for getPersonNotification

Use case for getDeliveryPreference and Use case for updateDeliveryPreference

<http://vaww.infoshare.va.gov/sites/vrm/MSTI/Enrollment/Forms/AllItems.aspx?RootFolder=%2fsites%2fvrm%2fMSTI%2fEnrollment%2fESR%203%2e8%2fHandbook%2fRequirements&FolderCTID=&View=%7b770C3CEF%2dEB6E%2d459D%2d9D03%2dE3D4878B3244%7d>

Use case for retrieveIVMCandidates, updateIVMRecordStatus and updated getEESummary

<http://vaww.oed.portal.va.gov/sites/vrm/MSTI/Enrollment/ESR%203.11/ORR%20Documents/ESR_3_11_RSD_VFA.docx>

#### Sequence Diagrams

The sequence diagrams in this section show how the methods are meant to be used by a service consumer.

Sequence diagram for getEESummary:



The sequence of interactions for this scenario is described below.

1. The service consumer calls the E&E service providing service account id, password, a VPID, service request name and the income year (optional but required for IVM application) for the data requested.
2. The service security framework authenticates the service account id and password provided against the security table in ADR.
3. If the user authentication is successful, the E&E web service calls the ESR EJB service.
4. The EJB service retrieves the user authorization profile from ADR database.
5. EJB service validates the service request name submitted in the request against the user authorization profile from the database.
6. If the user is not authorized for the request submitted an authorization error message is sent back to the E&E web service.
7. E&E service sends the SOAP message back to the service consumer with the error message.
8. If the user is authorized for the request submitted, EJB service retrieves the person data from ADR DB for the VPID submitted.
9. EJB service applies the authorization rules against the data set and filters the data elements that the consumer is not authorized to view.
10. EJB service returns the data set to E&E web service.
11. E&E web service logs the request and response in ADR.
12. E&E web service formats the SOAP message and returns the response to the consumer.

Sequence diagram for getEESummaryHistory:



The sequence of interactions for this scenario is described below.

1. The service consumer calls the E&E service providing service account id, password, a VPID, service request name, list of date of service and category of information for which historical data is needed. The available categories are Enrollment, Eligibility, Disability and Insurance. The consumer can also specify “All”. If “All” is specified, all four categories of information will be returned.
2. The service security framework authenticates the service account id and password provided against the security table in ADR.
3. The service framework also validates the category requested to make sure that the category requested is one of Enrollment, Eligibility, Disability, Insurance and All.
4. If the user authentication is successful, the E&E web service calls the ESR EJB service.
5. The EJB service retrieves the user authorization profile from ADR database.
6. EJB service validates the service request name submitted in the request against the user authorization profile from the database.
7. If the user is not authorized for the request submitted an authorization error message is sent back to the E&E web service.
8. E&E service sends the SOAP message back to the service consumer with the error message.
9. If the user is authorized for the request submitted, EJB service retrieves the person data from ADR DB for the VPID submitted as of the date requested.
10. EJB service applies the authorization rules against the data set and filters the data elements that the consumer is not authorized to view.
11. EJB service returns the data set to E&E web service.
12. E&E web service logs the request and response in ADR.
13. E&E web service formats the SOAP message and returns the response to the consumer.

Sequence diagram for getEligibilityDetermination:



The sequence of interactions for this scenario is described below.

1. The service consumer calls the E&E service providing service account id, password and a VPID.
2. The service security framework authenticates the service account id and password provided against the security table in ADR.
3. If the user authentication is successful, the E&E web service calls the ESR EJB service.
4. If the authentication is not successful, E&E service sends the SOAP message back to the service consumer with the error message.
5. If the user is authorized for the request submitted, EJB service retrieves the Veteran’s enrollment determination data from ADR DB for the VPID.
6. Based on the enrollment determination status of the Veteran, EJB service returns the response “Eligible” or “Not Eligible” to E&E web service.
7. E&E web service logs the request and response in ADR.
8. E&E web service formats the SOAP message and returns the response to the consumer.

Sequence diagram for getPersonNotificaiton:



The sequence of interactions for this scenario is described below.

1. The service consumer calls the operation getPersonNotification providing the notification type and information releated to the notification.
2. The service security framework d iauthenticates the service account id and password provided against the security table in ADR.
3. If the user authentication is successful, the E&E web service calls the ESR EJB service.
4. If the authentication is not successful, E&E service sends the SOAP message back to the service consumer with the error message.
5. If the user is authorized for the request submitted, EJB service submits the notification event to ESR internal event JMS queue for further processing. The EJB service also returns an acknowledgement to E&E Web service which in turn responds the acknowldgemnent back to the consumer.
6. The notification event submitted to the internal event queue is routed to the appropriate business service for further processing.

Sequence for getDeliveryPreference.



The description of the sequence flow is:

1. Portal application (external system) sends request to E&E web service with VPID.
2. E&E service forward request to ESR’s EJB service
3. EJB serice forward request to ESR service.
4. ESR do data validation
5. If data validation fails, set response status of error.
6. If data validation is successful,
   1. ESR retrieve DeliveryPreference for VPID.
   2. Set response with DeliveryPreference and success status.
7. ESR returns the response.

Sequence for updateDeliveryPreference.



The description of the sequence flow is:

1. Portal application (external system) sends request to E&E web service with current settings of delivery preference.
2. E&E service forward request to ESR EJB service
3. ESR EJB service forward request to ESR system.
4. ESR will do validation.
5. If validation fails, set response status as error.
6. If validation is successful,
   1. ESR will update the delivery preference for the persion with VPID.
   2. ESR will send email bulletin to veteran.
   3. Set response status as success
7. ESR returns response.

Sequence diagram for retrieveIVMCandidates:



The sequence of interactions for this scenario is described below.

1. The service consumer calls the E&E service providing service account id, password and a lastPolledDateTimeStamp.
2. The service security framework authenticates the service account id and password provided against the security table in ADR.
3. If the user authentication is successful, the E&E web service calls the ESR EJB service.
4. If the authentication is not successful, E&E service sends the SOAP message back to the service consumer with the error message.
5. If the user is authorized for the request submitted, EJB service queries ADR database to retrieve Veteran data for Veterans who qualify IVM’s selection Criteria.
6. If Veteran data exists, EJB service returns the response payload (collection of Veterans) to E&E web service.
7. E&E web service logs the request and response in ADR.
8. E&E web service formats the SOAP message.
9. E&E web service returns the response to the consumer.
10. Consumer processes the response.

Sequence diagram for updateIVMRecordStatus:



The sequence of interactions for this scenario is described below.

1. The service consumer calls the E&E service providing service account id, password, transactionId and errorText.
2. The service security framework authenticates the service account id and password provided against the security table in ADR.
3. If the user authentication is successful, the E&E web service calls the ESR EJB service.
4. If the authentication is not successful, E&E service sends the SOAP message back to the service consumer with the error message.
5. If the user is authorized for the request submitted, EJB service updates the record status in the ADR database based on value of errorText that indicates whether the data was successfully uploaded by IVM into their EDB database or not.
6. EJB service returns the response payload (acknowledgment and status) to E&E web service.
7. E&E web service logs the request and response in ADR.
8. E&E web service formats the SOAP message.
9. E&E web service returns the response to the consumer.
10. Consumer processes the Response.

### Message Payload Headers

Te message payloads are built to encapsulate all the information sent into the service and returned from the service into a single data structure in each direction. This provides a consistent manner of interacting with services and reducing the amount of rework when services are versioned. The message payloads defined in this section are base classes that are extended by each method to add specific parameters.

#### Message\_Request\_Header

The Message\_Request\_Header contains attributes that are used by all requests. All operations should specify these attributes.

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data Type** | **Comments** |
| Service Account Name | String | User id allocated to the consumer |
| Service Account Password | String | Password assigned to the consumer |
|  |  |  |

#### Message\_Response\_Header

The Message\_Response\_Header contains attributes that are used by all responses. All operations contain these elements in the response.

Example:

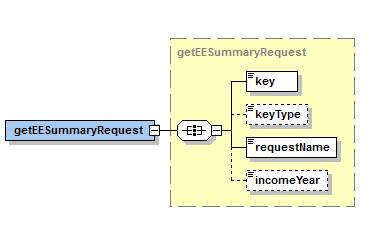
|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data Type** | **Comments** |
| InvocationDate | Date |  |
| eesVersion | String | ServiceVersion number |
| noDatafoundMessage | String | Error text that describes that no data is found matching the request identifier. |

### Operation Contracts

The operation contracts define how service consumers may interact with the service. Information sent between the service and service consumers are sent in the payload of the message used to call the operation, or method.

#### Operation Contract: getEESummary

##### getEESummary Request



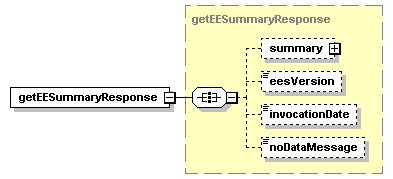
Key: VPID value (Veteran’s unique identifier – 17 Character)

KeyType: “VPID” (optional)

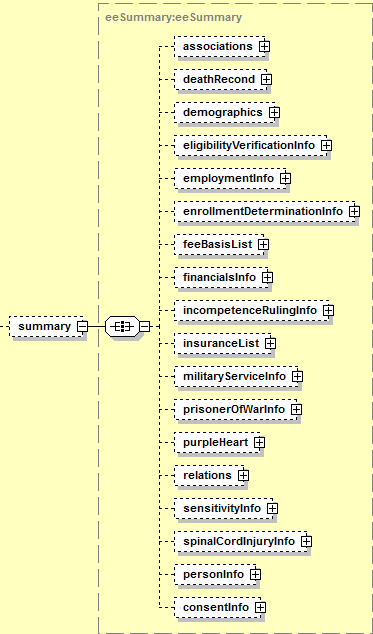
RequestName: Service Request Name assigned to the Service Consumer

incomeYear: “incomeYear” (optional)

##### getEESummary Response



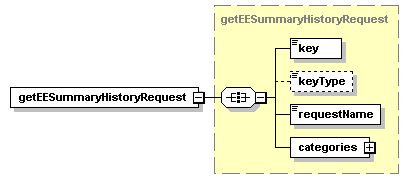
Summary is comprised of other complex types as follows.



Sample Request:

#### Operation Contract: getEESummaryHistory

##### getEESummaryHistory Request

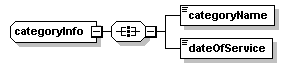


Key: VPID value (Veteran’s unique identifier – 17 Character)

KeyType: “VPID” (optional)

RequestName: Service Request Name assigned to the Service Consumer

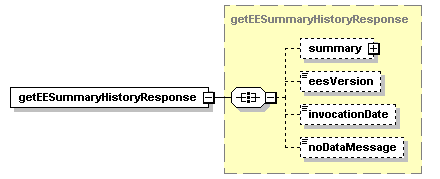
Categories: Categories include a list of category name, date of service



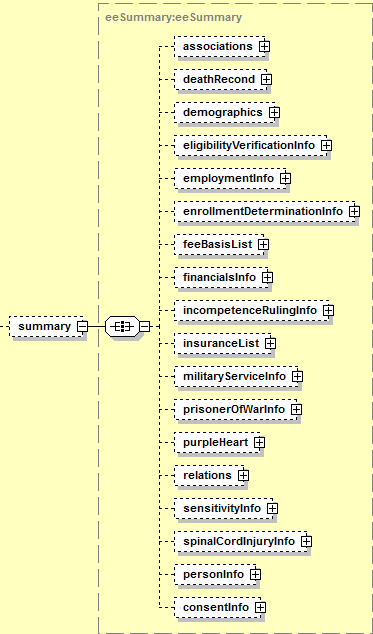
Category name: Enrollment, Eligibility, Disability, Insurance

Date of Service: Date timestamp e.g. 2011-07-01T00:00:00

##### getEESummaryHisotry Response



Summary is comprised of other complex types as follows.



Sample Request:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header>

<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" SOAP-ENV:mustUnderstand="1">

<wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="XWSSGID-1281117217796-43574433">

<wsse:Username>testdev</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">test@dev1</wsse:Password>

</wsse:UsernameToken>

</wsse:Security>

</SOAP-ENV:Header>

<SOAP-ENV:Body>

<ns3:getEESummaryHistoryRequest xmlns:ns3="http://jaxws.webservices.esr.med.va.gov/schemas">

<!--You may enter the following 4 items in any order-->

<key>1008590710V899318</key>

<!--Optional:-->

<requestName>allEEData</requestName>

<categories>

<category>

<categoryName>insurance</categoryName>

<dateOfService>2011-07-01T00:00:00</dateOfService>

</category>

</categories>

</ns3:getEESummaryHistoryRequest>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

Sample Response:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header/>

<SOAP-ENV:Body>

<getEESummaryHistoryResponse xmlns="http://jaxws.webservices.esr.med.va.gov/schemas">

<eesVersion>1.0.0.04001</eesVersion>

<summary>

<insuranceList>

<insurance>

<groupNumber>Part A</groupNumber>

<enrolledInPartA>true</enrolledInPartA>

<insuredRelationship>Veteran</insuredRelationship>

<groupName>Part A</groupName>

<lastEditedDate>2011-06-30T10:27:34.000-05:00</lastEditedDate>

<policyNumber>123456789</policyNumber>

<companyName>Medicare</companyName>

<policyHolderName>ESRJEANTEST, JIMMY</policyHolderName>

</insurance>

<insurance>

<insuredRelationship>Veteran</insuredRelationship>

<planType>Blue Cross/Blue Shield</planType>

<lastEditedDate>2011-06-22T14:27:03.000-05:00</lastEditedDate>

<policyNumber>112333444</policyNumber>

<policyEffectiveDate>201102</policyEffectiveDate>

<companyName>BCBS</companyName>

<policyHolderName>ESRJEANTEST, JIMMY</policyHolderName>

</insurance>

</insuranceList>

</summary>

<invocationDate>2011-08-29T00:35:15.500-05:00</invocationDate>

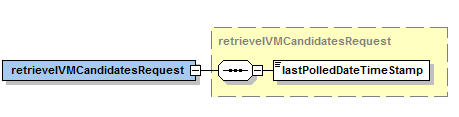
</getEESummaryHistoryResponse>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

#### Operation Contract: retrieveIVMCandidates

##### retrieveIVMCandidates Request

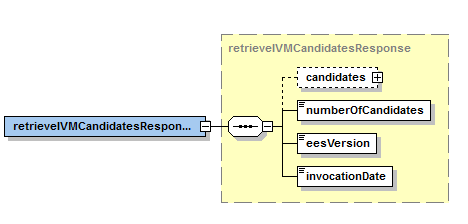


* lastPolledDateTimeStamp (data type is dateTime)

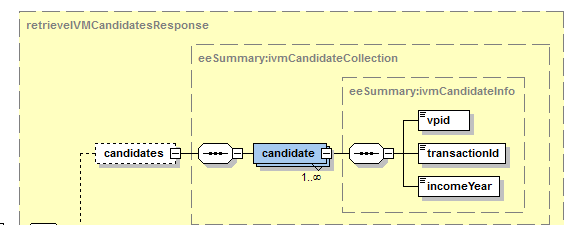
Note: lastPolledDateTimeStamp is the Date timestamp when IVM last polled ESR for records. The dateTime is specified in the following form "YYYY-MM-DDThh:mm:ss" where:

* + YYYY indicates the year
  + MM indicates the month
  + DD indicates the day
  + T indicates the start of the required time section
  + hh indicates the hour
  + mm indicates the minute
  + ss indicates the second

##### retrieveIVMCandidates Response



Candidates is comprised of other complex types as follows.



* candidates (a collection of candidates retrieved by ESR for IVM)

1. candidate
   * 1. vpid (data type is string)
     2. transactionId (data type is string)

note: transactionId is a primary key in the IVM\_Migrate table and its value should be corresponding to the vpid above.

* + 1. incomeYear (data type is int)

note: incomeYear is a required parameter.

* numberOfCandidates (data type is int)

Note: numberOfCandidates is total number of candidates retrieved by ESR for IVM.

**Sample Request:**

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sch="http://jaxws.webservices.esr.med.va.gov/schemas">

<SOAP-ENV:Header>

<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" SOAP-ENV:mustUnderstand="1">

<wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="XWSSGID-1281117217796-43574433">

<wsse:Username>IVMSVCusr</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">IVMSVCusr123</wsse:Password>

</wsse:UsernameToken>

</wsse:Security>

</SOAP-ENV:Header>

<SOAP-ENV:Body>

<ns3:retrieveIVMCandidatesRequest xmlns:ns3="http://jaxws.webservices.esr.med.va.gov/schemas">

<lastPolledDateTimeStamp>2010-08-22T11:44:25.000-04:00</lastPolledDateTimeStamp>

</ns3:retrieveIVMCandidatesRequest>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

**Sample Response:**

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

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header/>

<SOAP-ENV:Body>

<retrieveIVMCandidatesResponse xmlns="http://jaxws.webservices.esr.med.va.gov/schemas">

<candidates>

<candidate>

<vpid>0000001008590872V863211000000</vpid>

<transactionId>376706767</transactionId>

<incomeYear>2011</incomeYear>

</candidate>

</candidates>

<numberOfCandidates>1</numberOfCandidates>

<eesVersion>3.11.0.04001</eesVersion>

<invocationDate>2013-01-03</invocationDate>

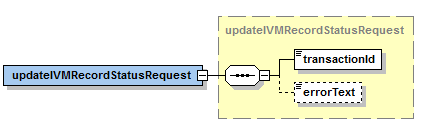
</retrieveIVMCandidatesResponse>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

#### Operation Contract: updateIVMRecordStatus

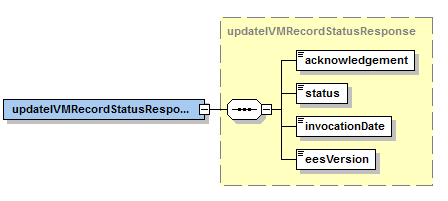
##### updateIVMRecordStatus Request



* transactionId (data type is string)
* errorText (data type is string)

Note: errorText is Null if IVM uploads data to EDB database successfully.

##### updateIVMRecordStatus Response



* acknowledgement (data type is string)
* status (data type is string)

**Sample Request:**

<SOAP-ENV:Envelope xmlns:SOAP-ENV="<http://schemas.xmlsoap.org/soap/envelope/>">

   <SOAP-ENV:Header>

      <wsse:Security xmlns:wsse="<http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd>" SOAP-ENV:mustUnderstand="1">

         <wsse:UsernameToken xmlns:wsu="<http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd>" wsu:Id="XWSSGID-1281117217796-43574433">

            <wsse:Username>IVMSVCusr</wsse:Username>

            <wsse:Password Type="<http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText>">IVMSVCusr123</wsse:Password>

         </wsse:UsernameToken>

      </wsse:Security>

   </SOAP-ENV:Header>

   <SOAP-ENV:Body>

      <ns3:updateIVMRecordStatusRequest xmlns:ns3="<http://jaxws.webservices.esr.med.va.gov/schemas>">

         <transactionId>376697951</transactionId>

         <!--Optional:-->

         <errorText></errorText>

      </ns3:updateIVMRecordStatusRequest>

   </SOAP-ENV:Body>

</SOAP-ENV:Envelope>

**Sample Response:**

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

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header/>

<SOAP-ENV:Body>

<updateIVMRecordStatusResponse xmlns="http://jaxws.webservices.esr.med.va.gov/schemas">

<acknowledgement>Request Received and IVM status is updated</acknowledgement>

<invocationDate>2013-01-03</invocationDate>

<eesVersion>3.11.0.04001</eesVersion>

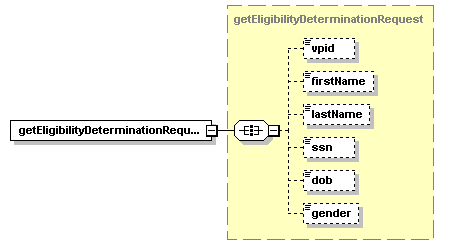
</updateIVMRecordStatusResponse>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

#### Operation Contract: getEligibilityDetermination

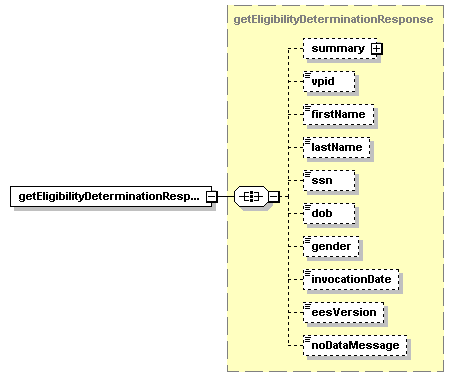
##### getEligibilityDetermination Request



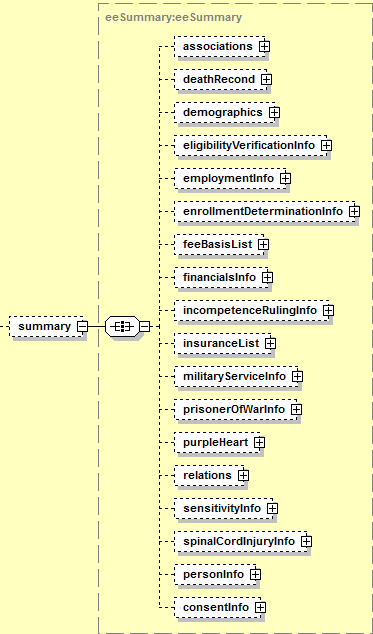
Either VPID or the set of identity traits are required. In this release of E&E, only VPID is supported.

VPID: VPID value (Veteran’s unique identifier – 17 Characters)

##### getEligibilityDetermination Response



Summary is comprised of other complex types as follows.



Sample Request:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header>

<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" SOAP-ENV:mustUnderstand="1">

<wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="XWSSGID-1281117217796-43574433">

<wsse:Username>testdev</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">test@dev1</wsse:Password>

</wsse:UsernameToken>

</wsse:Security>

</SOAP-ENV:Header>

<SOAP-ENV:Body>

<ns3:getEligibilityDeterminationRequest xmlns:ns3="http://jaxws.webservices.esr.med.va.gov/schemas">

<!--You may enter the following 6 items in any order-->

<!--Optional:-->

<vpid>1008590710V899318</vpid>

</ns3:getEligibilityDeterminationRequest>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

Sample Response:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header/>

<SOAP-ENV:Body>

<getEligibilityDeterminationResponse xmlns="http://jaxws.webservices.esr.med.va.gov/schemas">

<summary>

<eligibilityStatusInfo>

<eligibilityStatus>Eligible</eligibilityStatus>

</eligibilityStatusInfo>

</summary>

<vpid>1008590710V899318</vpid>

<eesVersion>1.0.0.04001</eesVersion>

<invocationDate>2011-08-29T00:41:41.250-05:00</invocationDate>

</getEligibilityDeterminationResponse>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

#### Operation Contract: getPersonNotification

##### getPersonNotification Request

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:getPersonNotificationRequest**](#Link3F) |
| properties | |  |  | | --- | --- | | content | complex | |
| children | [**eeSummary:notificationType**](#Link11)[**eeSummary:primaryviewNotification**](#Link8D)[**eeSummary:linkNotification**](#Link8E)[**eeSummary:moveNotification**](#Link8F) |
| source | <xs:element name="getPersonNotificationRequest" type="getPersonNotificationRequest"/> |

notificationType: shall be one of PrimaryViewUpdate, Link, Move

If the notification type is “PrimaryViewUpdate”, primaryviewNotification needs to be provided.

If the notification type is “Link”, linkNotification needs to be provided.

If the notification type is “Move”, moveNotification needs to be provided.

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | restriction of **xs:string** |
| properties | |  |  | | --- | --- | | content | simple | |
| used by | |  |  | | --- | --- | | complexType | [**getPersonNotificationRequest**](#Link3F) | |
| facets | |  |  |  | | --- | --- | --- | | Kind | Value | annotation | | enumeration | PrimaryViewUpdate |  | | enumeration | Link |  | | enumeration | Move |  | |
| source | <xs:element name="notificationType">  <xs:simpleType>  <xs:restriction base="xs:string">  <xs:enumeration value="PrimaryViewUpdate"/>  <xs:enumeration value="Link"/>  <xs:enumeration value="Move"/>  </xs:restriction>  </xs:simpleType> </xs:element> |

element **getPersonNotificationRequest/primaryviewNotification**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:primaryviewNotificationInfo**](#Link5D) |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | complex | |
| children | [**eeSummary:VPID**](#Link1D7) |
| source | <xs:element name="primaryviewNotification" type="primaryviewNotificationInfo" minOccurs="0"/> |

element **getPersonNotificationRequest/linkNotification**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:linkNotificationInfo**](#Link4B) |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | complex | |
| children | [**eeSummary:depricatedVPID**](#Link1D8)[**eeSummary:survivingVPID**](#Link1D9) |
| source | <xs:element name="linkNotification" type="linkNotificationInfo" minOccurs="0"/> |

element **getPersonNotificationRequest/moveNotification**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:moveNotificationInfo**](#Link55) |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | complex | |
| children | [**eeSummary:DFN**](#Link1DA)[**eeSummary:stationNumber**](#Link1DB)[**eeSummary:fromVPID**](#Link1DC)[**eeSummary:toVPID**](#Link1DD) |
| source | <xs:element name="moveNotification" type="moveNotificationInfo" minOccurs="0"/> |

##### getPersonNotification Response

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:getPersonNotificationResponse**](#Link40) |
| properties | |  |  | | --- | --- | | content | complex | |
| children | [**eeSummary:acknowledgement**](#Link90)[**eeSummary:invocationDate**](#Link91)[**eeSummary:noDataMessage**](#Link92) |
| source | <xs:element name="getPersonNotificationResponse" type="getPersonNotificationResponse"/> |

complexType **getPersonNotificationResponse**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| children | [**eeSummary:acknowledgement**](#Link90)[**eeSummary:invocationDate**](#Link91)[**eeSummary:noDataMessage**](#Link92) |
| used by | |  |  | | --- | --- | | element | [**getPersonNotificationResponse**](#LinkF) | |
| source | <xs:complexType name="getPersonNotificationResponse">  <xs:all>  <xs:element name="acknowledgement" type="xs:string" minOccurs="1" maxOccurs="1"/>  <xs:element name="invocationDate" type="xs:dateTime" minOccurs="0"/>  <xs:element name="noDataMessage" type="xs:string" minOccurs="0"/>  </xs:all> </xs:complexType> |

element **getPersonNotificationResponse/acknowledgement**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:string** |
| properties | |  |  | | --- | --- | | isRef | 0 | | content | simple | |
| source | <xs:element name="acknowledgement" type="xs:string" minOccurs="1" maxOccurs="1"/> |

element **getPersonNotificationResponse/invocationDate**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:dateTime** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="invocationDate" type="xs:dateTime" minOccurs="0"/> |

Sample Request:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header>

<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" SOAP-ENV:mustUnderstand="1">

<wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="XWSSGID-1281117217796-43574433">

<wsse:Username>?</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">?</wsse:Password>

</wsse:UsernameToken>

</wsse:Security>

</SOAP-ENV:Header>

<SOAP-ENV:Body>

<ns3:getPersonNotificationRequest xmlns:ns3="http://jaxws.webservices.esr.med.va.gov/schemas">

<ns3:notificationType>PrimaryViewUpdate</ns3:notificationType>

<!--Optional:-->

<ns3:primaryviewNotification>

<ns3:VPID>0000001007088197V165479000000</ns3:VPID>

</ns3:primaryviewNotification>

</ns3:getPersonNotificationRequest>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

Sample Response:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header/>

<SOAP-ENV:Body>

<getPersonNotificationResponse xmlns="http://jaxws.webservices.esr.med.va.gov/schemas">

<eesVersion>1.1.0.03001</eesVersion>

<acknowledgement>Person Notification Received</acknowledgement>

<pnstatus/>

<invocationDate>2011-12-22T13:47:06.588-06:00</invocationDate>

</getPersonNotificationResponse>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

#### Operation Contract: getDeliveryPreference

##### getDeliveryPreference Request

element **getDeliveryPreferenceRequest**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:getDeliveryPreferenceRequest**](#Link40) |
| properties | |  |  | | --- | --- | | content | complex | |
| children | [**eeSummary:key**](#Link79)[**eeSummary:keyType**](#Link7A) |
| source | <xs:element name="getDeliveryPreferenceRequest" type="getDeliveryPreferenceRequest"/> |

Key: VPID value (Veteran’s unique identifier – 17 Character)

KeyType: “VPID”

##### getDeliveryPreference Response

element **getDeliveryPreferenceResponse**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:getDeliveryPreferenceResponse**](#Link41) |
| properties | |  |  | | --- | --- | | content | complex | |
| children | [**eeSummary:deliveryPreference**](#Link7B)[**eeSummary:invocationDate**](#Link7C)[**eeSummary:eesVersion**](#Link7D)[**eeSummary:status**](#Link7E)[**eeSummary:message**](#Link7F) |
| source | <xs:element name="getDeliveryPreferenceResponse" type="getDeliveryPreferenceResponse"/> |

element **getDeliveryPreferenceResponse/deliveryPreference**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:deliveryPreferences**](#Link2B) |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | complex | |
| children | [**eeSummary:deliveryPreferenceInfo**](#Link12F) |
| source | <xs:element name="deliveryPreference" type="eeSummary:deliveryPreferences" minOccurs="0"/> |

element **getDeliveryPreferenceResponse/invocationDate**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:dateTime** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="invocationDate" type="xs:dateTime" minOccurs="0"/> |

element **getDeliveryPreferenceResponse/eesVersion**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:string** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="eesVersion" type="xs:string" minOccurs="0"/> |

element **getDeliveryPreferenceResponse/status**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:string** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="status" type="xs:string" minOccurs="0"/> |

element **getDeliveryPreferenceResponse/message**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:string** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="message" type="xs:string" minOccurs="0"/> |

element **deliveryPreferences/deliveryPreferenceInfo**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:deliveryPreferenceInfo**](#Link2A) |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | complex | |
| children | [**eeSummary:deliveryPreference**](#Link12B)[**eeSummary:emailAddress**](#Link12C)[**eeSummary:emailType**](#Link12D)[**eeSummary:editableFlag**](#Link12E) |
| source | <xs:element name="deliveryPreferenceInfo" type="deliveryPreferenceInfo" minOccurs="0"/> |

complexType **deliveryPreferenceInfo**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| children | [**eeSummary:deliveryPreference**](#Link12B)[**eeSummary:emailAddress**](#Link12C)[**eeSummary:emailType**](#Link12D)[**eeSummary:editableFlag**](#Link12E) |
| used by | |  |  | | --- | --- | | elements | [**updateDeliveryPreferenceRequest/deliveryPreferenceInfo**](#LinkA9)[**deliveryPreferences/deliveryPreferenceInfo**](#Link12F) | |
| source | <xs:complexType name="deliveryPreferenceInfo">  <xs:all>  <xs:element name="deliveryPreference" type="xs:string" minOccurs="0"/>  <xs:element name="emailAddress" type="xs:string" minOccurs="0"/>  <xs:element name="emailType" type="EmailType" minOccurs="0"/>  <xs:element name="editableFlag" type="xs:boolean" minOccurs="0"/>  </xs:all> </xs:complexType> |

element **deliveryPreferenceInfo/deliveryPreference**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:string** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="deliveryPreference" type="xs:string" minOccurs="0"/> |

element **deliveryPreferenceInfo/emailAddress**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:string** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="emailAddress" type="xs:string" minOccurs="0"/> |

element **deliveryPreferenceInfo/emailType**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:EmailType**](#Link3) |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| facets | |  |  |  | | --- | --- | --- | | Kind | Value | annotation | | enumeration | PRIVATE |  | | enumeration | BUSINESS |  | |
| source | <xs:element name="emailType" type="EmailType" minOccurs="0"/> |

element **deliveryPreferenceInfo/editableFlag**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:boolean** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="editableFlag" type="xs:boolean" minOccurs="0"/> |

complexType **deliveryPreferences**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| children | [**eeSummary:deliveryPreferenceInfo**](#Link12F) |
| used by | |  |  | | --- | --- | | element | [**getDeliveryPreferenceResponse/deliveryPreference**](#Link7B) | |
| source | <xs:complexType name="deliveryPreferences">  <xs:all>  <xs:element name="deliveryPreferenceInfo" type="deliveryPreferenceInfo" minOccurs="0"/>  </xs:all> </xs:complexType> |

element **deliveryPreferences/deliveryPreferenceInfo**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:deliveryPreferenceInfo**](#Link2A) |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | complex | |
| children | [**eeSummary:deliveryPreference**](#Link12B)[**eeSummary:emailAddress**](#Link12C)[**eeSummary:emailType**](#Link12D)[**eeSummary:editableFlag**](#Link12E) |
| source | <xs:element name="deliveryPreferenceInfo" type="deliveryPreferenceInfo" minOccurs="0"/> |

Sample getDeliveryPreference Request:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header>

<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" SOAP-ENV:mustUnderstand="1">

<wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="XWSSGID-1281117217796-43574433">

<wsse:Username>xxxxxx</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">xxxxxx</wsse:Password>

</wsse:UsernameToken>

</wsse:Security>

</SOAP-ENV:Header>

<SOAP-ENV:Body>

<ns3:getDeliveryPreferenceRequest xmlns:ns3="http://jaxws.webservices.esr.med.va.gov/schemas">

<key>0000001008590728V283240000000</key>

<keyType>VPID</keyType>

</ns3:getDeliveryPreferenceRequest>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

Sample Response:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header/>

<SOAP-ENV:Body>

<getDeliveryPreferenceResponse xmlns="http://jaxws.webservices.esr.med.va.gov/schemas">

<eesVersion>1.3.0.01001</eesVersion>

<deliveryPreference>

<deliveryPreferenceInfo editableFlag="true">

<emailType>PRIVATE</emailType>

<emailAddress>test.test@va.gov</emailAddress>

<deliveryPreference>Mail</deliveryPreference>

</deliveryPreferenceInfo>

</deliveryPreference>

<invocationDate>2012-04-13T07:49:59.354-05:00</invocationDate>

</getDeliveryPreferenceResponse>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

#### Operation Contract: updateDeliveryPreference

##### updateDeliveryPreference Request

complexType **updateDeliveryPreferenceRequest**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| children | [**eeSummary:key**](#LinkA7)[**eeSummary:keyType**](#LinkA8)[**eeSummary:deliveryPreferenceInfo**](#LinkA9) |
| used by | |  |  | | --- | --- | | element | [**updateDeliveryPreferenceRequest**](#Link17) | |
| source | <xs:complexType name="updateDeliveryPreferenceRequest">  <xs:all>  <xs:element name="key" type="xs:string" minOccurs="1" maxOccurs="1"/>  <xs:element name="keyType" type="xs:string" minOccurs="0" maxOccurs="1"/>  <xs:element name="deliveryPreferenceInfo" type="deliveryPreferenceInfo" minOccurs="1"/>  </xs:all> </xs:complexType> |

Key: VPID value (Veteran’s unique identifier – 17 Character)

KeyType: “VPID”

element **updateDeliveryPreferenceRequest/key**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:string** |
| properties | |  |  | | --- | --- | | isRef | 0 | | content | simple | |
| source | <xs:element name="key" type="xs:string" minOccurs="1" maxOccurs="1"/> |

element **updateDeliveryPreferenceRequest/keyType**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:string** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="keyType" type="xs:string" minOccurs="0" maxOccurs="1"/> |

element **updateDeliveryPreferenceRequest/deliveryPreferenceInfo**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:deliveryPreferenceInfo**](#Link2A) |
| properties | |  |  | | --- | --- | | isRef | 0 | | content | complex | |
| children | [**eeSummary:deliveryPreference**](#Link12B)[**eeSummary:emailAddress**](#Link12C)[**eeSummary:emailType**](#Link12D)[**eeSummary:editableFlag**](#Link12E) |
| source | <xs:element name="deliveryPreferenceInfo" type="deliveryPreferenceInfo" minOccurs="1"/> |

complexType **deliveryPreferenceInfo**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| children | [**eeSummary:deliveryPreference**](#Link12B)[**eeSummary:emailAddress**](#Link12C)[**eeSummary:emailType**](#Link12D)[**eeSummary:editableFlag**](#Link12E) |
| used by | |  |  | | --- | --- | | elements | [**updateDeliveryPreferenceRequest/deliveryPreferenceInfo**](#LinkA9)[**deliveryPreferences/deliveryPreferenceInfo**](#Link12F) | |
| source | <xs:complexType name="deliveryPreferenceInfo">  <xs:all>  <xs:element name="deliveryPreference" type="xs:string" minOccurs="0"/>  <xs:element name="emailAddress" type="xs:string" minOccurs="0"/>  <xs:element name="emailType" type="EmailType" minOccurs="0"/>  <xs:element name="editableFlag" type="xs:boolean" minOccurs="0"/>  </xs:all> </xs:complexType> |

element **deliveryPreferenceInfo/deliveryPreference**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:string** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="deliveryPreference" type="xs:string" minOccurs="0"/> |

element **deliveryPreferenceInfo/emailAddress**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:string** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="emailAddress" type="xs:string" minOccurs="0"/> |

element **deliveryPreferenceInfo/emailType**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | [**eeSummary:EmailType**](#Link3) |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| facets | |  |  |  | | --- | --- | --- | | Kind | Value | annotation | | enumeration | PRIVATE |  | | enumeration | BUSINESS |  | |
| source | <xs:element name="emailType" type="EmailType" minOccurs="0"/> |

element **deliveryPreferenceInfo/editableFlag**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| type | **xs:boolean** |
| properties | |  |  | | --- | --- | | isRef | 0 | | minOcc | 0 | | maxOcc | 1 | | content | simple | |
| source | <xs:element name="editableFlag" type="xs:boolean" minOccurs="0"/> |

##### updateDeliveryPreference Response

complexType **updateDeliveryPreferenceResponse**

|  |  |
| --- | --- |
| diagram |  |
| namespace | http://jaxws.webservices.esr.med.va.gov/schemas |
| children | [**eeSummary:acknowledgement**](#LinkAA)[**eeSummary:status**](#LinkAB)[**eeSummary:invocationDate**](#LinkAC)[**eeSummary:eesVersion**](#LinkAD) |
| used by | |  |  | | --- | --- | | element | [**updateDeliveryPreferenceResponse**](#Link19) | |
| source | <xs:complexType name="updateDeliveryPreferenceResponse">  <xs:all>  <xs:element name="acknowledgement" type="xs:string" minOccurs="1" maxOccurs="1"/>  <xs:element name="status" type="xs:string" minOccurs="0"/>  <xs:element name="invocationDate" type="xs:dateTime" minOccurs="0"/>  <xs:element name="eesVersion" type="xs:string" minOccurs="0"/>  </xs:all> </xs:complexType> |

Sample updateDeliveryPreference Request:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header>

<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" SOAP-ENV:mustUnderstand="1">

<wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="XWSSGID-1281117217796-43574433">

<wsse:Username>xxxxxxx</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">xxxxxxx</wsse:Password>

</wsse:UsernameToken>

</wsse:Security>

</SOAP-ENV:Header>

<SOAP-ENV:Body>

<sch:updateDeliveryPreferenceRequest xmlns:sch="http://jaxws.webservices.esr.med.va.gov/schemas">

<sch:key>0000001008590728V283240000000</sch:key>

<sch:keyType>VPID</sch:keyType>

<sch:deliveryPreferenceInfo>

<!--You may enter the following 4 items in any order-->

<!--Optional:-->

<sch:deliveryPreference>MAIL</sch:deliveryPreference>

<!--Optional:-->

<sch:emailAddress>test.test@va.gov</sch:emailAddress>

<!--Optional:-->

<sch:emailType>Private</sch:emailType>

</sch:deliveryPreferenceInfo>

</sch:updateDeliveryPreferenceRequest>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

Sample Response:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header/>

<SOAP-ENV:Body>

<updateDeliveryPreferenceResponse xmlns="http://jaxws.webservices.esr.med.va.gov/schemas">

<eesVersion>1.3.0.01001</eesVersion>

<acknowledgement>Request Received and Delivery Preference is updated</acknowledgement>

<invocationDate>2012-04-13T07:51:14.683-05:00</invocationDate>

</updateDeliveryPreferenceResponse>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

## Policies and Qualities of Service

### Business Policies

|  |  |  |
| --- | --- | --- |
| **Policy** | **Threshold** | **Comments** |
|  |  |  |
|  |  |  |
|  |  |  |

### Performance

|  |  |  |
| --- | --- | --- |
| **Quality of Service** | **Threshold** | **Comments** |
| Availability | 99.9% |  |
| Reliability |  |  |
| Throughput |  |  |
| Response Time |  |  |
|  |  |  |
|  |  |  |

### Metrics

|  |  |  |
| --- | --- | --- |
| **Metric** | **How to measure** | **Comments** |
| Basic usage |  |  |
| Business level usage |  |  |
| Successful queries |  |  |
| Successful adds |  |  |
| Number of requests | Captured in a log table in the database |  |
| Number of failed requests | Captured in a log table in the database |  |
| Number of successful requests | Captured in a log table in the database |  |
| Service uptime | 24 hours, 7 days a week except for scheduled downtime for deployments |  |
| Maximum response time |  |  |
| Last response time |  |  |

### Standards Compliance

|  |  |  |
| --- | --- | --- |
| **Standard** | **Version** | **Comments** |
| In-house standards |  |  |
| Technical standards |  |  |
| Business standards |  |  |
| Regulatory standards |  |  |
| standards |  |  |