Department of Veterans Affairs

**21-686c Form Submission Service (FSS)**

Service Design Document



April 2017

Version 0.10

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Author |
| December 2st, 2015 | 0.1 | Initial version | EA&I |
| 12/15/2015 | 0.2 | Created a Common Content document that contains sections that are applicable to all FSS Service Design Documents. | VRM/TI |
| 07/08/2016 | 0.3 | Updated the VNP processing flow related diagrams and tables based on feedback from BGS and OBPI. | VRM/TI |
| 08/01/2016 | 0.4 | Updates to include address validation | VRM/TI |
| 09/20/2016 | 0.5 | Updated driven by the D2D Break Out session 9/2016.  General corrections based on feedback from SRA | VRM/TI |
| 11/9/2016 | 0.6 | Added “or NULL ><” to XDS Element corpPtcpntId, Population Value entry in Table 7-5 VnpPTcpntDTO Population | VRM/TI |
| 12/8/2016 | 0.7 | Added Population Value description “bnftClaimId value returned from step 13.” to Table 7-12 VnpBnftClaimDTO Population Table. | VRM/TI |
| 1/3/2017 | 0.8 | For VNP Step 5 in Table 7-7 updated Population Values for cntryNm, countyNm, and postalCd. For VNP Step 10 in Table 7-9 updated Population Value for livesWithRelatdPersonInd. For VNP Step 14 Table 7-11 updated Population Value for dateOfClaim to MM/DD/YYYY required format; sectionUnitNo – required – use SOJ obtained from the FSS SOJ process; and suppressAcknowledgementLetter set to “N” | VRM/TI |
| 1/4/2017 | 0.9 | For VNP Step 10 in Table 7-9 updated Population Values for beginDt, endDt, marageTrmntnCityNm, marageTrmntnStateCd, marageTrmntnCntryNm, and marageTrmntnTypeCd | VRM/TI |
| 4/3/2017 | 0.10 | For VNP Step 10 in Table 7-9 expanded Population Values for familyRlnshpTypeNm: Spouse, Biological, Adopted Child, and Stepchild. | VRMTI |

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# Introduction

Refer to the specific Common Content FSS Design Document section for this information.

# Background

## Overview of the System

For an overview of the FSS Submission platform refer to section 2.0 of the **D2D Business Requirements Document.**

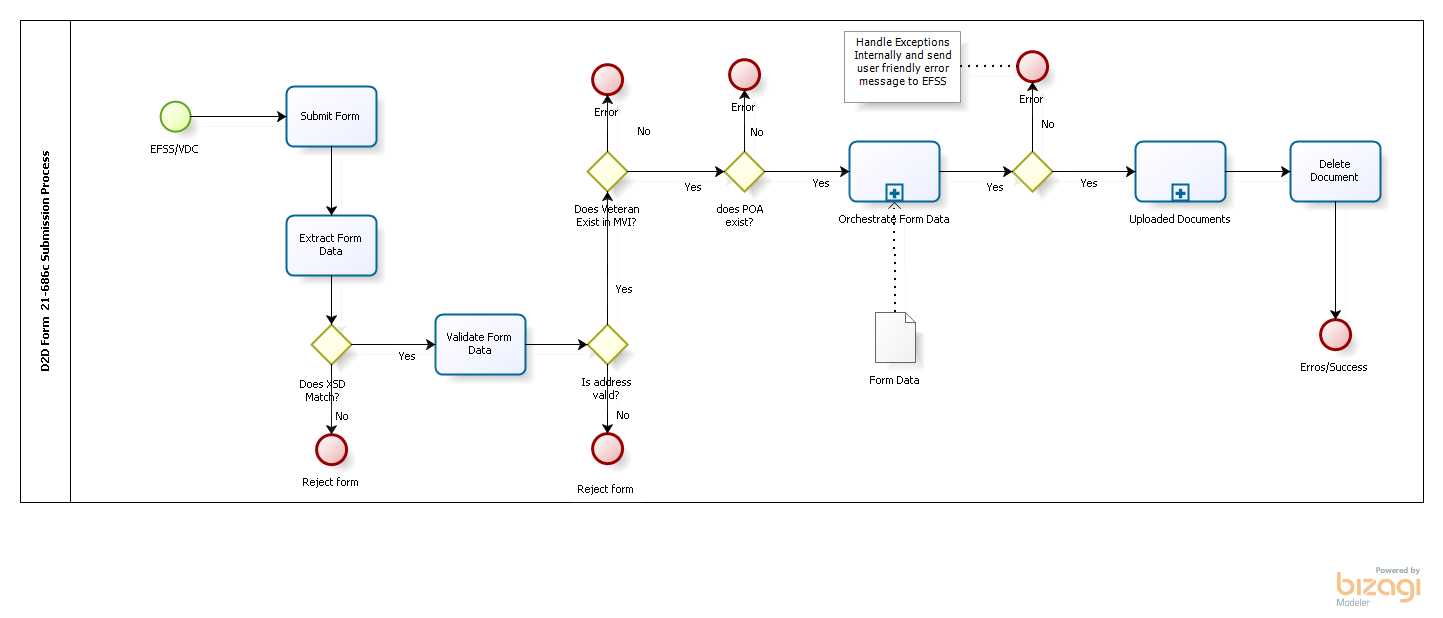
**Figure 2‑1 Submit Form Component Diagram**



For a detailed explanation of the numbered circles refer to section **3.1.3 High Level Application Design**

## Overview of the Submit Form Process

**Figure 2‑2 Submit Form Process**



## Overview of the EP Code Processing

Table ‑ EP Code Processing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Form #** | **Form Name** | **LOB** | **EP Code(s)** | **Dependencies** | **Payee Code** | **Rules** |
| 21-686c | Declaration of Status of Dependents | Comp | EP130 Increment 131, 132…139 | Claimants vet has to have a running compensation award of 30% or pension award. This validation performed as part of the RBPS process. | payee code='00' only | MVI may not be sufficient in finding the claimant for non-veteran applicants. |

## Error Messages

Table ‑ EP Error Message Table

|  |  |
| --- | --- |
| **21-686cError Codes** | **Error Messages** |
|  | **Insert Error Messages here** |
|  |  |

## Business Benefits

The 21-686cForm Service will be the single implementation of the 21-686c business orchestration. This service consolidates all the business rules required for the 21-686cform submission. This service is consumed by EFSS only.

## Assumptions and Constraints

### Design Assumptions

Following are design assumptions related to FSS.

1. FSS will be using Java technology and will be running on the WebSphere Message Broker and WebLogic Application Server
2. VBMS/BGS, VDC will make the appropriate changes to support the FSS.
3. MVI is integrated with Corp DB.

### Design Constraints

Following are design constraints related to FSS.

1. The external system down times needs to be taken into account as part of the FSS design. VBMS, VDC, MVI, and CORP DB Storage could be unavailable when trying to submit the form specific information.
2. The design will log and audit all incoming and outgoing messages.

## Overview of the Significant Requirements

TBD

### Overview of Significant Functional Requirements

TBD

### Functional Workload and Functional Performance Requirements

TBD

Table ‑ Workload and Performance Requirements

|  |  |
| --- | --- |
| ID | Requirement |
|  |  |

### Operational Requirements

Table ‑ Operational Requirements

|  |  |
| --- | --- |
| ID | Requirement |
| 2.7.3.1 | The 21-686c form XML shall be submitted using the submitFormRequest message. |
| 2.7.3.2 | PDF attachments to an original 21-686c form submission (included in the document count for the form submission) shall be submitted as individual transactions using the submitAttachmentRequest message and the same submission ID as the form submission. The Claim ID shall not be required for attachment submissions with the original form. |
| 2.7.3.3 | Additional Supporting Documents (attachments) to a claim in pending status shall be submitted following a duplicate submission of the original form XSD using a new submission ID/transmission ID, with the following ManifestItem NameValue pairs in the submitFormRequest message:FORM\_SUBTYPE / LATE,  CLAIM\_ID / claim no., and CLAIM\_DATE / date as individual transactions using the submitAttachmentRequest message and the same submission ID as the duplicate form submission. |
| 2.7.3.4 | The EFSS shall open a manifest and save the form and attachments with the same submission ID in VDC in-flight storage. |
| 2.7.3.5 | The manifest shall remain open for up to 6 consecutive days, from close of business on the day the 21-686c form is stored in in-flight storage, to receipt of all attachments indicated by the number of documents in the EFSS message. Close of business shall be defined as 17:00 hours Central Time. |
| 2. 7.3.6 | A reminder message indicating the number of documents received and the number of documents still outstanding shall be returned to the sender at the close of business each day that the manifest remains open. At the end of the 6th day, if the manifest is still not complete, the manifest and all documents received shall be purged from in-flight storage and a message returned to the sender that the incomplete submission has been rejected. |
| 2.7.3.7 | When the manifest is complete, the form and all attachments are present, the EFSS shall pull the form from in-flight storage and send it to the 21-686c FSS. |

### Overview of the Technical Requirements

**Table 2‑5 Technical Requirements**

|  |  |
| --- | --- |
| ID | Requirement |
| 2.7.4.1 | The 21-686c FSS shall process the form XML, pull the attachments from in-flight storage, date stamp each page of each attachment and upload the PDF attachments to the veteran’s efolder. |
| 2.7.4.2 | The 21-686c FSS shall use the Claim ID and Claim Date for the date stamp for the PDF of the 21-686c form. |
| 2.7.4.3 | The 21-686c FSS shall use the transmission ID the system date and time for the date stamp for Additional Supporting Documents (attachments) to the 21-686c form. |
| 2.7.4.1 | FSS shall obtain the email address (using the SOJ email property file) of the SOJ by using the SOJ’s Station ID returned by the BGS: RORoutingService ->getRegionalOfficeByZipCode web service operation |
| 2.7.4.4 | The FSS shall return the Claim ID and Claim Date in the response to the sender when the claim has been established by the BGS VNP Table Services. |
| 2.74.5 | The FSS shall upload Additional Supporting Documents (attachments) to the veteran’s efolder associated with the Claim ID if the claim is in a pending state. |
| 2.74.6 | The FSS shall reject the submission and return a message to the sender if the claim is not found, is not in a pending state, or there is an error checking claim status. If the claim is not found a new claim shall not be created. Pending state shall be defined as not in a “CLR” or “CAN” status. |

### **Overview of the Security or Privacy Requirements**

TBD

Table ‑ Security or Privacy Requirements Table

|  |  |
| --- | --- |
| ID | Requirement |
|  |  |

### System Criticality and High Availability Requirements

TBD

### Special Device Requirements

TBD

## Legacy System Retirement

TBD

Table ‑5 Proposed Legacy Retirements

|  |  |  |
| --- | --- | --- |
| Legacy System or Legacy System Component | Retired or Workload Reduced | If Workload Reduced – How Much |
|  |  |  |

# Conceptual Design

## Conceptual Application Design

### Application Context

Figure ‑ 21-686cForm Submission Service 1.0 Context Diagram



The diagram above outlines the FSS context diagram. Each flow including the numbered circles verbiage is described in section **7.5 Submit Form Flow Context**

### Dependency Model

Figure ‑2 21-686cForm Submission Service Configuration Dependency Model



### High Level Application Design

Figure ‑3 21-686cForm Submission Service Collaboration Diagram



#### EFSS Processing Flow

A1. Veteran and representative complete Claim documentation from external Form Submission Application

A2. External Form Submission Application submits form with submission manifest to Electronic Form Submission Service

A3. Electronic Form Submission Service saves Form

A4. External Form Submission Application submits attachment to EFSS

A5. Electronic Form Submission Service saves Attachment

Steps A4-A5 repeat for each document

A6. Send 21-686cform to 21-686cSubmission service

A7. EFSS Insert PAI Report Data using BGS:Pai WebService

#### 21-686c FSS Processing Flow

B1. FSS receives Form

B2. FSS calls AddressWebService ->findCityStateByPostalCode to validate the veteran address (city and state). No non-veteran claimants will be processed on this form at the present time

B3. FSS calls MVI to identify veteran, and if not found the process ends with an error message.

B4. FSS calls VetRecordService to find POA

B5. FSS calls BenefitClaimWebService to update benefit claim address of the veteran

B6. FSS calls Comp&PenEPCodeService to generate EP codes

B7. FSS calls BenefitClaimWebService to find benefit laim

B8. FSS calls BGS:RORoutingService to get regional office by zip code

B9.FSS calls the BGS VNP Services, which will populate VNP tables in order to facilitate the processing by the VNP component of the Rules Based Processing System (RBPS)

B10. FSS calls the FormDocumentService to extracts attachment files from In-Flight document storage

B11. Call the eDocumentService to upload attachment files for permanent storage

B12. Call the FormDocumentService to delete documents from VDC In-Flight storage

### Security Strategy

Figure ‑3 21-686cForm Submission Service Security Diagram



* EFSS shall use the SSL for communication to consume FSS.
* FSS shall use the SSL for communication to consume the In-Flight Services.
* FSS shall use the SAML tokens for communication to consume VBMS Services.
* All VIERS Services shall be consumed by FSS using SSL.
* All BGS Services shall be consumed by FSS using SSL.

FSS shall use the following certificates to communicate with VBMS.

|  |  |
| --- | --- |
| Client Signing Certificate | Representation of an external signing certificate used to sign the web service client’s public/private key pair. It does not represent an actual external CA (Certificate Authority), such as Verisign, so it needs to be imported as a trusted CA in both the VBMS and the client’s keystore used for WSS. |
| CMS service Public Key/Certificate | The public portion of the VBMS web service’s public/private keypair (also known as the VBMS web service certificate). This certificate is used by the web service client to validate the response message signatures and for encrypting request messages sent to VBMS |
| VBMS Signing Certificate | The signing certificate used to sign the VBMS web service’s public/private key pair. This needs to be imported as a trusted CA in both the VBMS and the client’s keystore used for WSS. |
| SAML Token | The SAML token to be injected into the WSS headers. Please do not use any reformatting tools to reformat this token as they will likely break the signature that is contained within the token. The SAML token should be inserted as a child element of the <wsse:Security> element (where “wsse” represents the XML namespace http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd). |
| Client SSL Signing Certificate | The signing certificate used to sign the web service client’s public/private key pair for SSL encryption. This needs to be imported as a trusted CA in both the VBMS and the client’s keystore used for SSL encryption. |

### Locations

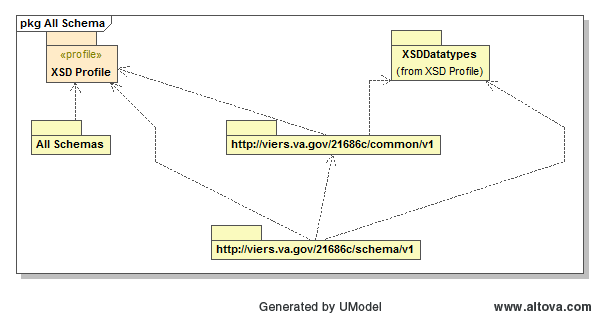
Table ‑ Application Locations

|  |  |  |  |
| --- | --- | --- | --- |
| Application Component | Description | Location at Which Component is Run | Type |
| Electronic Form Submission Service (EFSS) | Electronic Form Submission Service which receives form and supported documents from VSO and submit the Form to 21-686c Form Submission Service | VIERS | Webservice |
| FSS | The subject of this Design Document | LOB | Webservice |
| WebAddressService | Used to validate city and state of the address on the form | BGS | Webservice |
| VONAPP Direct Connect (VDC) | Inflight storage system. FSS reads form documents from this storage | VDC | Webservice |
| CompAndPenEPCode Service | CompAndPenEPCode Service. FSS calls this service to generate EP Code, Claim Label | VIERS | Webservice |
| VetRecord Service | VetRecord Service. FSS to check if veteran has POA on his record. | BGS | Webservice |
| VNP Services | VNP Service. 21-686c Form Submission Services stores/establish claim using this service in CorpDB.  Populate the CorpDB VNP table in order to facilitate the processing by the VNP component of the Rules Based Processing System (RBPS). | BGS | Webservice |
| eDocument Service | EDocument Service. FSS stores all the supported pdf documents using this service in eDocument storage | VBMS | Webservice |
| PAI Web Service | EFSS Insert PAI Report data | BGS | Webservice |

## Conceptual Data Design

### Schema Package Dependencies

Figure ‑5 Schema Package Dependencies



The above diagram captures the various schema dependencies. There are two schema namespaces, one for the common schema and the other for the FSS service itself.

### Form Submission Service Data Dictionary

Refer to the latest D2D\_VSO\_Interface\_Dictionary Updates Inc2It4.0.

### Form Submission Service Data Web Service Artifacts

The the 21-686cService WSDL and XSD files will be submitted seperately.

## Conceptual Infrastructure Design

### System Criticality and High Availability

A contingency plan has not yet been identified. Once identified the contingency plan will provide the required systems criticality and high availability data required to ensure optimal functionality of the FSS. The following availability requirements may also be provided:

* System Availability
* System Availability Performance Guarantee
* System Processing Rates
* System Processing Rate Performance Guarantee
* Systems Responsiveness
* Systems Responsiveness Performance Guarantee

#### System Criticality

FSS is determined to be a service **essential** category.

#### Capacity

|  |
| --- |
| **Operation** |
| |  |  | | --- | --- | |  |  | | Name | submitForm | |  |  | |
| **Usage Profile** |
|  |
| |  |  | | --- | --- | | Mean Daily volume | TBD | | Projected Growth | TBD/year | | Peak Daily volume | TBD | | Projected Growth | TBD/year | | Peak Hourly volume | TBD | | Days of operation | Sunday-Saturday | | Hours of operation | 24/7 | | Peak Hours | 9am-7p.m.Eastern | |  |  | |
|  |

#### Latency

|  |  |  |  |
| --- | --- | --- | --- |
| **Operation** | **Guarantee** | **Degraded** | **Maximum Percent Degraded** |
| SubmiForm | 6000ms | >2000ms | 25% |

#### Reliability Specifications

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Value |  | Description |
| Schedule Periods | 1 month |  | The periods over which availability statistics are collected and calculated. |
| Percent Outage | 4% |  | The amount of outage time (counted from loss of service [including degraded service that exceeds allowable values] to full service re-establishment) divided by the total time within the schedule period. Scheduled maintenance time does not count as outage time. |
| Hours of Operation | 0700 – 2100 Eastern Time, Monday through Saturday |  | The hours of the day and days of the week that availability will count against, such as 0900 to 2000 ET Monday through Friday |
| Maximum Non-Eligible Outage time/frequency | 3 minutes, 20 times per day |  | The maximum amount of time that transpires during an outage where the outage is not counted toward loss of availability. For example, if an interruption in service lasts 2 minutes and does not occur more than 5 times a day, the stakeholder may determine that such an interruption will not be included in the availability calculations. |
| Maximum Degraded Percentage | 15% |  | The maximum percentage of time that a service is degraded during Hours of Operation |

### Technology Locations

TBD VIERS

Table ‑3 Technology Locations

|  |  |  |
| --- | --- | --- |
| **Technology Component** | **Location** | **Usage** |
| **Production 1** |  |  |
| Workstations |  |  |
| Special Hardware |  |  |
| Interface Processors |  |  |
| Legacy Mainframe |  |  |
| Legacy Application Server |  |  |
| Legacy Databases |  |  |
| Other |  |  |
| Production 2 |  |  |
|  |  |  |
| Certification |  |  |
|  |  |  |
| QAX |  |  |
|  |  |  |
| Education |  |  |
|  |  |  |
| Test |  |  |
|  |  |  |
| Development |  |  |

### Conceptual Infrastructure Diagram

Refer to the specific Common Content FSS Design Document section for this information.

### Location of Environments and External Interfaces

Refer to the specific Common Content FSS Design Document section for this information.

# System Architecture

## Hardware Architecture

Refer to the specific Common Content FSS Design Document section for this information.

### VIERS

Refer to the specific Common Content FSS Design Document section for this information.

## Software Architecture

Refer to the specific Common Content FSS Design Document section for this information.

# Data Design

Refer to the specific Common Content FSS Design Document section for this information.

## Database Management System Files

Refer to the specific Common Content FSS Design Document section for this information.

## Non-Database Management System Files

Refer to the specific Common Content FSS Design Document section for this information.

# Detailed Design

Refer to the specific Common Content FSS Design Document section for this information.

## Hardware Detailed Design

Refer to the specific Common Content FSS Design Document section for this information.

## Software Detailed Design

Refer to the specific Common Content FSS Design Document section for this information.

## Communications Detailed Design

Refer to the specific Common Content FSS Design Document section for this information.

# External Interface Design

## Interface Architecture

Refer to the specific Common Content FSS Design Document section for this information.

## Interface Design - Sequence Diagram

Figure ‑ Submit Form Flow Sequence Diagram



## Sequence Diagram Flow

* The submitForm operation allows consumers to be able to add compensation benefits information using the FSS schema for storage in Corp DB and eDocument storage.
* submitForm includes sender information and origination details along with the xml document.
* When submitForm request comes to the FSS, it will extract the bas64encoded xml file using base64decode function and will call the following external services to establish a claim.
  + Validate form data
  + Use BGS AddressWebService to validate the Veteran Claimant address.
  + Use MVI in order to locate veteran. If not found end processing with an error message.
  + Use BGS VetRecordService to findPOA: Finds POA on veteran’s record
  + Use updateBenefitClaimAddress to update Veteran address
  + Use VIERS Comp&PenEPCodeService to generate EP codes
  + Use findBenefitClaim to find benefit claim
  + Use BGS RORoutingNumber to get Regional Office By Zip Code
  + Use BGS VNP Services to establish claim information in BGS using VNP Services by populating the VNP tables in order to facilitate the processing by the VNP component of the Rules Based Processing System (RBPS)
  + Use VDC FormDocumentService readDocument to read supported documents for the claim from In-Flight storage
  + Use VBMS eDocument Service to uploadDocumentWithAssociations: Saves all the supported documents in eDocument storage using eDocument service
  + Use VDC FormDocumentService deleteDocument to delete documents from VDC using Form Document Service
  + Use BGS PAIWebService to insert PAI report data

## VBMS Document Service Process

The following information will be saved in VBMS using eDocumentService

VBMS business rules require that all document upload requests also provide the following fields:

* Veteran First Name
* Veteran Middle Name (if available)
* Veteran Last Name
* Veteran File Number
* New Mail Indicator
* Date of Receipt (i.e., the date stamped on the document or the date document was generated in the calling system, NOT the date of the document upload)
* Document Source (VBMS-assigned name for document uploading institution)
* Document Type
* Document File Name
* Document Content

The document File Name should be unique for each upload operation, unless the document is identical to a previously uploaded document being re-uploaded for quality assurance purposes

Note: eDocument service uploads only PDF format documents. Please refer to the VBMS eDocument Service Version 4.0, Service Description Document, VBMS-SPEC-00058.

## Submit Form Flow Context

Figure ‑ Submit Form Flow Context Diagram



1. FSS receives SubmitForm message request and extracts data using BASE64DECODE function.
2. FSS applies form rules processing. FSS shall validate the Form and attachments before submits to the Line of Business, if any errors found sends message back to the EFSS
3. FSS shall call BGS AddressWebService ->findCityStateByPostalCode to validate the veteran claimant address
4. FSS calls the Master Veteran Index (MVI) to search for veteran. FSS shall communicate with VIERS Person Demographics Adapter to verify the identity of the person with MVI. If the person is not found in the required correlated systems (CorpDB/BIRLS), then end processing and send an error message.
5. FSS calls BGS VetRecordService to check POA on veteran record. FSS shall communicate with BGS VetRecordService to check if veteran has POA on his record. During the submission process, if the Veteran/Service member does not have a POA check on his/her record, FSS shall send a message to Electronic Form Submission Service
6. FSS calls updateBenefitClaimAddress to update Veteran address
7. FSS Generates EP Code using CompAndPenEPCode Service.
8. FSS call findBenefitClaim to find benefit claim
9. FSS calls BGS:RORoutingService to get regional office by zip code
10. FSS Establishes claim information in BGS using VNP Services by populating VNP tables in order to facilitate the processing by the VNP component of the Rules Based Processing System (RBPS)
11. FSS shall read the supporting document from In-Flight storage.
12. FSS Saves attachment files in permanent storage using eDocument Service
13. FSS deletes documents from In-Flight storage
14. FSS Inserts PAI Report data
15. 21-686cForm Submission Service logs and audits all incoming and outgoing message

## BGS VNP Table Updates/Insert Benefit Claim Service Update Context

The following **7.6** sections will detail the BGS VNP Table Updates/Insert Benefit Claim Service processes. Individual step are depicted in the Processes Flow Diagram is section **7.6.1 BGS VNP Table Updates/Insert Benefit Claim Service Processes Flow**.

### BGS VNP Table Updates/Insert Benefit Claim Service Processes Flow

**Figure 7‑3 21-686c Processes Flow Diagram**



### SVNP Process – Steps to Create the Relationship of Veteran-to-Dependents

This section re-iterates each step outlined in section **7.6.1 BGS VNP Table Updates/Insert Benefit Claim Service Processes Flow.**

1. Generate the vnpProcId through the vnpProcCreate Web service method.
2. Create the Proc Form through vnpProcFormCreate.
3. Create the first veteran participant through the vnpPtcpntCreate Web service method. The corpPtcpntId of the veteran must currently exist in CorpDB. This assumes that the validity of the veteran in CorpDB has already been validated in a previous FSS step.
4. Create the veteran person through vnpPersonCreate. Pass in the vnpPtcpntId generated in step 3.
5. Create Address for veteran through vnpPtcpntAddrsCreate. Pass in the vnpPtcpntId created in step 3

**Steps 6, 7, and 8 are repeated if multiple dependents are entered**

1. Create the second (and subsequent if present) dependent participant through vnpPtcpntCreate Web service method. Pass the corpPtcpntId of the dependent if it is obtainable. If the dependent does not have a presence in CorpDB, it will not adversely affect this processing step. Inclusion of the dependent’s corpPtcpntId simply improves this step’s processing.
2. Create the dependent person through vnpPersonCreate. Pass in the vnpPtcpntId generated in step 6.
3. Create the address for the dependent through vnpPtcpntAddrsCreate. Pass in the vnpPtcpntId generated in step 6.
4. Create the phone number for the veteran through vnpPtcpntPhoneCreate. Pass in the vnpPtcpntId generated in step 3.

**Step 10 is repeated if multiple dependents are entered**

1. Create the relationship between two participants through the vnpPtcpntRlnshpCreate Web service method. Use the two existing vnpPtcpntId’s generated in the response in steps 3 and 6 and pass those in the request for this web service method.
2. This step is for the 21-674 form processing only.
3. This step is for the 21-674 form processing only.
4. Create the VNP Benefit Claim through the vnpBnftClaimCreate web service method.
5. Insert Corporate Benefit Claim through the BGS insertBenefitClaim web service method.
6. Update VNP Benefit Claims information through vnpBnftClaimUpdate. Pass Corp Benefit Claim ID created in step 14
7. Set the vnpProcStateTypeCd to “Ready” through the vnpProcUpdate web service method.

### VNP Service/Operation WSDL Documentation Mapping

The following table contains the VNP Service context mapping the service and operation to its corresponding BSG WSDL URL. This mapping will facilitate accessing the WSDL and XSDs associated to the corresponding service and operation. This section maps to the steps outlined in section **7.6.1 BGS VNP Table Updates/Insert Benefit Claim Service Processes Flow.**

Table ‑ VNP Service/Operation WSDL Documentation Mapping Table

|  |  |  |
| --- | --- | --- |
| **Step No** | **Service / Operation** | **URL** |
| 1 | vnpProcService /  vnpProcCreate | <http://bepdev.vba.va.gov/VnpProcWebServiceBean/VnpProcService?WSDL> |
| 2 | vnpProcFormService  vnpProcFormCreate | <http://bepdev.vba.va.gov/VnpProcFormWebServiceBean/VnpProcFormService?WSDL> |
| 3 | vnpPtcpntService  vnpPtcpntCreate | <http://bepdev.vba.va.gov/VnpPtcpntWebServiceBean/VnpPtcpntService?WSDL> |
| 4 | vnpPersonService  vnpPersonCreate | <http://bepdev.vba.va.gov/VnpPersonWebServiceBean/VnpPersonService?WSDL> |
| 5 | vnpPtcpntAddrsService  vnpPtcpntAddrsCreate | <http://bepdev.vba.va.gov/VnpPtcpntAddrsWebServiceBean/VnpPtcpntAddrsService?WSD> |
|  |  | Steps 6, 7 and 8 are repeated if multiple dependents entered |
| 6 | Same as Step 3 |  |
| 7 | Same as Step 4 |  |
| 8 | Same as Step 5 |  |
| 9 | vnpPtcpntPhoneService vnpPtcpntPhoneCreate | <http://bepdev.vba.va.gov/VnpPtcpntPhoneWebServiceBean/VnpPtcpntPhoneService?WSDL> |
| 10 | vnpPtcpntRlnshpService vnpPtcpntRlnshpCreate | <http://bepdev.vba.va.gov/VnpPtcpntRlnshpWebServiceBean/VnpPtcpntRlnshpService?WSDL> |
| 11 |  | This step is for the 21-674 form processing only |
| 12 |  | This step is for the 21-674 form processing only |
| 13 | vnpBnftClaimService  vnpBnftClaimCreate. | <http://bepdev.vba.va.gov/VnpBnftClaimWebServiceBean/VnpBnftClaimService?WSDL> |
| 14 | benefitClaimWebService  insertBenefitClaim | <http://bepdev.vba.va.gov/BenefitClaimServiceBean/BenefitClaimWebService?WSDL> |
| 15 | vnpBnftClaimService  vnpBnftClaimUpdate | <http://bepdev.vba.va.gov/VnpBnftClaimWebServiceBean/VnpBnftClaimService?WSDL> |
|  |  |  |
| 16 | VnpProcService  vnpProcUpdate | <http://bepdev.vba.va.gov/VnpProcWebServiceBean/VnpProcService?WSDL> |

### VNP Service/Operation XSD Mapping

The following table contains the VNP Service context mapping the service and operation to its corresponding low level XSD complex type. This section maps to the steps outlined in section **7.6.1 BGS VNP Table Updates/Insert Benefit Claim Service Processes Flow**

Table ‑ VNP Service/Operation XSDF Mapping Table

|  |  |  |
| --- | --- | --- |
| **Step No** | **Service / Operation** | **Low Level XSD Complex Type** |
| 1 | vnpProcService /  vnpProcCreate | <xs:complexType name="VnpProcDTO"> |
| 2 | vnpProcFormService  vnpProcFormCreate | <xs:complexType name="VnpProcFormDTO"> |
| 3 | vnpPtcpntService  vnpPtcpntCreate | <xs:complexType name="VnpPtcpntDTO" |
| 4 | vnpPersonService  vnpPersonCreate | <xs:complexType name="VnpPersonDTO"> |
| 5 | vnpPtcpntAddrsService  vnpPtcpntAddrsCreate | <xs:complexType name="VnpPtcpntAddrsDTO"> |
| 6 | Same as Step 3 |  |
| 7 | Same as Step 4 |  |
| 8 | Same as Step 5 |  |
| 9 | vnpPtcpntPhoneService vnpPtcpntPhoneCreate | <xs:complexType name="VnpPtcpntPhoneDTO"> |
| 10 | vnpPtcpntRlnshpService vnpPtcpntRlnshpCreate | <xs:complexType name="VnpPtcpntRlnshpDTO"> |
| 11 |  | This step is for the 21-674 form processing only |
| 12 |  | This step is for the 21-674 form processing only |
| 13 | vnpBnftClaimService  vnpBnftClaimCreate. | <xs:complexType name="VnpBnftClaimDTO"> |
| 14 | benefitClaimWebService  insertBenefitClaim | <xs:complexType name="insertBenefitClaim"> |
| 15 | vnpBnftClaimService  vnpBnftClaimUpdate. | <xs:complexType name="VnpBnftClaimDTO"> |
| 16 | vnpProcService  vnpProcUpdate | <xs:complexType name="VnpProcDTO"> |

### VNP Service/Operation Context

The following table contains the VNP Service context elements defining the sequence of the step of service operation invocations including request and response artifacts as well as the result of the operation. Step number correspond to the steps defined in the process flow diagram in section **7.6.1 BGS VNP Table Updates/Insert Benefit Claim Service Processes Flow**.

#### Step 1 – vnpProcService/vnpProcCreate

**Figure 7‑4 VnpProcDTO XSD Diagram**

<xs:complexType name="VnpProcDTO">

<xs:sequence>

<xs:element name="vnpProcId" type="xs:long" />

<xs:element name="vnpProcTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="vnpProcStateTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="creatdDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="lastModifdDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="jrnDt" type="xs:dateTime" />

<xs:element name="jrnLctnId" type="xs:string" />

<xs:element name=" " type="xs:string" />

<xs:element name="jrnUserId" type="xs:string" />

<xs:element name="jrnObjId" type="xs:string" />

</xs:sequence>

</xs:complexType

Table 7‑3 VnpProcDTO Population Table

|  |  |  |
| --- | --- | --- |
| **XSD Element** | **Population Value** | **Definition** |
| vnpProcId | NULL (…><…) | Primary key that is automatically generated. |
| vnpProcTypeCd | DEPCHG | Specifies the type of process the data relates to. |
| vnpProcStateTypeCd | Started | State of the process. |
| creatdDt | YYYY-MM-DDThh:mm:ss | Date the process is created. |
| lastModifdDt | YYYY-MM-DDThh:mm:ss | Date the process was last modified. |
| jrnDt | YYYY-MM-DDThh:mm:ss | The day, month and year on which the last action took place on the record. |
| jrnLctnId | NULL (…><…) | The number representing the Regional Office of the person taking the last action on the record. |
| jrnStatusTypeCd | NULL (…><…) | The alphabetic character representing the last action taken on the record. (I = Input, U = Update, D = Delete). |
| jrnUserId | NULL (…><…) | The name associated with the person taking the last action on the record. |
| jrnObjId | NULL (…><…) | The application taking the last action on the record. |

See section **7.6.6 CorpDB Type Reference Values** for vnpProcTypeCd, vnpProcStateTypeCd and jrnStatusTypeCd

#### Step 2 - vnpProcFormService/vnpProcFormCreate

**Figure 7‑5 VnpProcFormDTO XSD Diagram**

<xs:complexType name="VnpProcFormDTO">

<xs:sequence>

<xs:element name="compId" type="tns:VnpProcFormPKDTO" minOccurs="0" />

<xs:element name="jrnDt" type="xs:dateTime" />

<xs:element name="jrnLctnId" type="xs:string" />

<xs:element name="jrnObjId" type="xs:string" />

<xs:element name="jrnStatusTypeCd" type="xs:string" />

<xs:element name="jrnUserId" type="xs:string" />

</xs:sequence>

</xs:complexType>

<xs:complexType name="VnpProcFormPKDTO">

<xs:sequence>

<xs:element name="vnpProcId" type="xs:long" />

<xs:element name="formTypeCd" type="xs:string" />

</xs:sequence>

</xs:complexType>

Table 7‑4 VnpProcFormDTO Population Table

|  |  |  |
| --- | --- | --- |
| **XSD Element** | **Population Value** | **Definition** |
| vnpProcId | vnpProcId value returned from step 1 | This specifies the type of form that is associated to this process, and is the second part of the primary key of a row |
| formTypeCd | 21-686c | This is the first part of the primary key of a row, and is a foreign key to the VNP\_PROC table |
|  |  |  |
| jrnDt | YYYY-MM-DThh:mm:ss | The day, month and year on which the last action took place on the record. |
| jrnLctnId | NULL (…><…) | The number representing the Regional Office of the person taking the last action on the record. |
| jrnObjId | NULL (…><…) | The application taking the last action on the record. |
|  |  |  |
| jrnStatusTypeCd | NULL (…><…) | The alphabetic character representing the last action taken on the record. (I = Input, U = Update, D = Delete). |
| jrnUserId | NULL (…><…) | The name associated with the person taking the last action on the record. |

See section **7.6.6 CorpDB Type Reference Values** for jrnStatusTypeCd

#### Step 3 – vnpPtcpntService/vnpPtcpntCreate

**Figure 7‑6 VnpPtcpntDTO XSD Diagram**

<xs:complexType name="VnpPtcpntDTO">

<xs:sequence>

<xs:element name="vnpPtcpntId" type="xs:long" />

<xs:element name="vnpProcId" type="xs:long" />

<xs:element name="fraudInd" type="xs:string" minOccurs="0" />

<xs:element name="jrnDt" type="xs:dateTime" />

<xs:element name="jrnLctnId" type="xs:string" />

<xs:element name="jrnObjId" type="xs:string" />

<xs:element name="jrnStatusTypeCd" type="xs:string" />

<xs:element name="jrnUserId" type="xs:string" />

<xs:element name="legacyPoaCd" type="xs:string" minOccurs="0" />

<xs:element name="miscVendorInd" type="xs:string" minOccurs="0" />

<xs:element name="ptcpntShortNm" type="xs:string" minOccurs="0" />

<xs:element name="ptcpntTypeNm" type="xs:string" />

<xs:element name="taxIdfctnNbr" type="xs:string" minOccurs="0" />

<xs:element name="tinWaiverReasonTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="ptcpntFkPtcpntId" type="xs:long" minOccurs="0" />

<xs:element name="corpPtcpntId" type="xs:long" minOccurs="0" />

</xs:sequence>

</xs:complexType>

Table 7‑5 VnpPtcpntDTO Population Table

|  |  |  |
| --- | --- | --- |
| **XSD Element** | **Population Value** | **Definition** |
| vnpPtcpntId | NULL (…><…) | An identifier to uniquely identify a participant. |
| vnpProcId | vnpProcId value returned from step 1 | Identifies all rows specific to a process so that they can be easily identified. This is the unique identifier of a row. VNP\_PROC\_ID relates all rows specific to a process. |
| fraudInd | NULL (…><…) | To indicate if this participant has a fraud reported. |
| jrnDt | YYYY-MM-DThh:mm:ss | The day, month and year on which the last action took place on the record. |
| jrnLctnId | NULL (…><…) | The number representing the Regional Office of the person taking the last action on the record. |
| jrnObjId | NULL (…><…) | The application taking the last action on the record. |
|  |  |  |
| jrnStatusTypeCd | NULL (…><…) | The alphabetic character representing the last action taken on the record. (I = Input, U = Update, D = Delete). |
| jrnUserId | NULL (…><…) | The name associated with the person taking the last action on the record. |
| legacyPoaCd | NULL (…><…) | The C&P official list of Power of Attorney codes used in the BIRLS and BDN systems. |
| miscVendorInd | NULL (…><…) | Indicates that the participant is a vendor which has not been vendorized in FMS. A value of "Y" indicates that the organization may require a 1099 form at end of year. |
|  |  |  |
| ptcpntShortNm | NULL (…><…) | Contains short versions of names which exceed 20 characters. This column includes both first and last names, or company names in the case of an organization. |
| ptcpntTypeNm | Person | A word or phrase that provides a unique description of a PARTICIPANT. |
| taxIdfctnNbr | NULL (…><…) | The number assigned by the Social Security Administration or Internal Revenue Service to individuals or entities other than individuals. |
| tinWaiverReasonTypeCd | NULL (…><…) | A representation of a finite, pre-determined value or status that applies to a type of a TIN WAIVER REASON. |
| ptcpntFkPtcpntId | NULL (…><…) |  |
| corpPtcpntId | Corporate Participant ID returned from MVI  Veteran’s Participant ID required.  Dependent’s Participant ID if it is obtainable.  or  Null (…><…) | A foreign key to the main Corp DB PTCPNT tables identifier to uniquely identify a participant. |

See section **7.6.6 CorpDB Type Reference Values** for ptcpntTypeNm, jrnStatusTypeCd and tinWaiverReasonTypeCd

#### Step 4 – vnpPersonService/vnpPersonCreate

**Figure 7‑7 VnpPersonDTO XSD Diagram**

<xs:complexType name="VnpPersonDTO">

<xs:sequence>

<xs:element name="vnpPtcpntId" type="xs:long" />

<xs:element name="birthCityNm" type="xs:string" minOccurs="0" />

<xs:element name="birthStateCd" type="xs:string" minOccurs="0" />

<xs:element name="birthCntryNm" type="xs:string" minOccurs="0" />

<xs:element name="brthdyDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="cmptnyDecnTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="deathDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="depNbr" type="xs:int" minOccurs="0" />

<xs:element name="empInd" type="xs:string" minOccurs="0" />

<xs:element name="entlmtTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="ethnicTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="everMariedInd" type="xs:string" minOccurs="0" />

<xs:element name="fidDecnCategyTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="fileNbr" type="xs:string" minOccurs="0" />

<xs:element name="firstNm" type="xs:string" />

<xs:element name="firstNmKey" type="xs:long" minOccurs="0" />

<xs:element name="frgnSvcNbr" type="xs:int" minOccurs="0" />

<xs:element name="genderCd" type="xs:string" minOccurs="0" />

<xs:element name="jrnDt" type="xs:dateTime" />

<xs:element name="jrnLctnId" type="xs:string" />

<xs:element name="jrnObjId" type="xs:string" />

<xs:element name="jrnStatusTypeCd" type="xs:string" />

<xs:element name="jrnUserId" type="xs:string" />

<xs:element name="lastNm" type="xs:string" />

<xs:element name="lastNmKey" type="xs:long" minOccurs="0" />

<xs:element name="lgyEntlmtTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="martlStatusTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="middleNm" type="xs:string" minOccurs="0" />

<xs:element name="middleNmKey" type="xs:long" minOccurs="0" />

<xs:element name="mltyPersonInd" type="xs:string" minOccurs="0" />

<xs:element name="monthsPresntEmplyrNbr" type="xs:int" minOccurs="0" />

<xs:element name="netWorthAmt" type="xs:int" minOccurs="0" />

<xs:element name="noSsnReasonTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="ocptnTxt" type="xs:string" minOccurs="0" />

<xs:element name="personDeathCauseTypeNm" type="xs:string" minOccurs="0" />

<xs:element name="personTypeNm" type="xs:string" minOccurs="0" />

<xs:element name="potntlDngrsInd" type="xs:string" minOccurs="0" />

<xs:element name="raceTypeNm" type="xs:string" minOccurs="0" />

<xs:element name="sbstncAmt" type="xs:double" minOccurs="0" />

<xs:element name="serousEmplmtHndcapInd" type="xs:string" minOccurs="0" />

<xs:element name="slttnTypeNm" type="xs:string" minOccurs="0" />

<xs:element name="spinaBifidaInd" type="xs:string" minOccurs="0" />

<xs:element name="ssnNbr" type="xs:string" minOccurs="0" />

<xs:element name="ssnVrfctnStatusTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="suffixNm" type="xs:string" minOccurs="0" />

<xs:element name="suffixNmKey" type="xs:long" minOccurs="0" />

<xs:element name="taxAbtmntCd" type="xs:string" minOccurs="0" />

<xs:element name="termnlDigitNbr" type="xs:string" minOccurs="0" />

<xs:element name="titleTxt" type="xs:string" minOccurs="0" />

<xs:element name="vetInd" type="xs:string" minOccurs="0" />

<xs:element name="vetTypeNm" type="xs:string" minOccurs="0" />

<xs:element name="yearsPresntEmplyrNbr" type="xs:int" minOccurs="0" />

<xs:element name="vnpProcId" type="xs:long" />

<xs:element name="vnpSruslyDsabldInd" type="xs:string" minOccurs="0" />

<xs:element name="vnpSchoolChildInd" type="xs:string" minOccurs="0" />

<xs:element name="spouseNum" type="xs:long" minOccurs="0" />

</xs:sequence>

</xs:complexType>

Table 7‑6 VnpPersonDTO Population Table

|  |  |  |
| --- | --- | --- |
| **XSD Element** | **Population Value** | **Definition** |
| vnpPtcpntId | vnpPtcpntId value returned from step 3for veteran or step 6 for dependent | An identifier to uniquely identify a participant |
| birthCityNm | From XML Payload:  UnmarriedChildren  ChildsCityOfBirth  (dependent child only)  or  NULL (…><…) | The name of the city in which the individual was born. |
| birthStateCd | From XML Payload:  UnmarriedChildren  ChildsStateOfBirth  (dependent child only)  or  NULL (…><…) | State where the person was born. Foreign Key to POSTAL\_TYPE for a POSTAL CODE. |
| birthCntryNm | From XML Payload:  UnmarriedChildren  ChildsCountyOfBirth  (dependent child only)  or  NULL (…><…) | Country where the person was born. |
| brthdyDt | From XML Payload:  VeteransInfo  veteranDateOfBirth  or  VeteransInfo  SpouseDateOfBirth  or  UnmarriedChildren  ChildsDateOfBirth  YYYY-MM-DThh:mm:ss  or  NULL (…><…) | The month, day and year on which a person was born. |
| cmptnyDecnTypeCd | NULL (…><…) | A representation of a finite, pre-determined value or status that applies to a type of a COMPETENCY DECISION. |
| deathDt | NULL (…><…) | The month, day and year on which a person died. |
| depNbr | NULL (…><…) | Number of dependents that the person has. . |
| empInd | NULL (…><…) | This is to indicate if a person is a VBA employee. |
| entlmtTypeCd | NULL (…><…) | A representation of a finite, pre-determined value or status that applies to a type of an ENTITLEMENT |
| ethnicTypeCd | NULL (…><…) | Describes the ethnicity of a person, such as Latino or Hispanic. This is different from Race, which will be stored separately. |
| everMariedInd | From XML Payload:  VeteransInfo  MaritalStatus  if equals “Never Married” set to Y or N as appropriate | Indicates whether the person was ever married. |
| fidDecnCategyTypeCd | NULL (…><…) | The type of fiduciary category decision that a VSR makes for a person through CFID processing in Share. |
| fileNbr | From XML Payload:  VeteransInfo  vaFileNumber  or  NULL (…><…) | A unique number assigned to the client's claim by the VBA. |
| firstNm | From XML Payload:  VeteransInfo  VeteranName  firstName  or  VeteransMarriages  ToWhomMarried  firstName  or  UnmarriedChildren  ChildsName  firstName  or  NULL (…><…) | A word or letter which refers to the person's first name. |
| firstNmKey | NULL (…><…) | Indicates the upper or lower case of each character in the first name. It is computed for a given mixed case first name. It is applied to the first name to produce a mixed case. |
| frgnSvcNbr | NULL (…><…) | PERSON FOREIGN SERVICE NUMBER. A unique identifier assigned to a foreign service worker at a VBA station. |
| genderCd | From XML Payload:  VeteransInfo  veteranGender | A value that indicates the sex of a person as claimed by that person. |
| jrnDt | YYYY-MM-DThh:mm:ss | The day, month and year on which the last action took place on the record. |
| jrnLctnId | NULL (…><…) | The number representing the Regional Office of the person taking the last action on the record. |
| jrnObjId | NULL (…><…) | The application taking the last action on the record. |
| jrnStatusTypeCd | NULL (…><…) | The alphabetic character representing the last action taken on the record. |
| jrnUserId | NULL (…><…) | The name associated with the person taking the last action on the record. |
| lastNm | From XML Payload:  VeteransInfo  VeteranName  lastName  or  VeteransMarriages  ToWhomMarried  lastName  or  UnmarriedChildren  ChildsName  lastName  or  NULL (…><…) | The formal/ last name of a person of record including but, not limited to a surname or maiden name if the maiden name is the legal last name. |
| lastNmKey | NULL (…><…) | Indicates the upper or lower case of each character in the last name. It is computed for a given mixed case last name. It is applied to the last name to produce a mixed case. |
| lgyEntlmtTypeCd | NULL (…><…) | A representation of a finite, pre-determined value or status that applies to a type of a LOAN GUARANTY ENTITLEMENT |
| martlStatusTypeCd | From XML Payload:  VeteransInfo  MaritalStatus | Specifies the marital status of a person. |
| middleNm | From XML Payload:  VeteransInfo  VeteranName  middleName  or  VeteransMarriages  ToWhomMarried  middleName  or  UnmarriedChildren  ChildsName  middleNm  or  NULL (…><…) | A word or letter which refers to the person's middle name. |
| middleNmKey | NULL (…><…) | Indicates the upper or lower case of each character in the middle name. It is computed for a given mixed case middle name. It is applied to the middle name to produce a mixed case. |
| mltyPersonInd | NULL (…><…) | This is to indicate if a person is a military person. |
| monthsPresntEmplyrNbr | NULL (…><…) | The number of months the person has worked for his or her present employer. |
| netWorthAmt | NULL (…><…) | The difference when a person's liabilities are subtracted from their assets. |
| noSsnReasonTypeCd | NULL (…><…) | A representation of a finite, pre-determined value or status |
| ocptnTxt | NULL (…><…) | A description of the line of work performed by a person. |
| personDeathCauseTypeNm | NULL (…><…) | A word or phrase that provides a unique description of a PERSON DEATH CAUSE TYPE.. |
| personTypeNm | NULL (…><…) | A word or phrase that provides a unique description of a PERSON TYPE.. |
| potntlDngrsInd | NULL (…><…) | Indicates whether a person is considered potentially dangerous or not. |
| raceTypeNm | NULL (…><…) | A word or phrase that provides a unique description of a RACE TYPE.. |
| sbstncAmt | NULL (…><…) | This is the total amount of Chapter 31 subsistence payments paid to the beneficiary. |
| serousEmplmtHndcapInd | NULL (…><…) | This attribute indicates if a person has a serious employment handicap. |
| slttnTypeNm | NULL (…><…) | A word or phrase that provides a unique description of a SALUTATION TYPE.. |
| spinaBifidaInd | NULL (…><…) | Indicates whether a person has spina bifida. Reverse Engineered from column SPINA\_BIFIDA\_IND of table PERSON. |
| ssnNbr | From XML Payload:  VeteransInfo  veteranSSN  or  VeteransMarriages  SpouseSSN  or  UnmarriedChildren  ChildsSSN  or  NULL (…><…) | A number assigned by the Social Security Administration (SSA) to identify an individual |
| ssnVrfctnStatusTypeCd | NULL (…><…) | A representation of a finite, pre-determined value or status that applies to a type of a SSN VERIFICATION STATUS. |
| suffixNm | NULL (…><…) | An abbreviation which may occur after the person's last name. Examples are Jr., Sr., or a Roman numeral. Others could be MD, DDS, DVM, etc. |
| suffixNmKey | NULL (…><…) | Indicates the upper or lower case of each character in the suffix name. It is computed for a given mixed case suffix name. It is applied to the suffix name to produce a mixed case. |
| taxAbtmntCd | NULL (…><…) | Used for determining if tax abatement forms/letters need to be generated. |
| termnlDigitNbr | The last two digits of the Veteran file number  From XML Payload:  VeteransInfo  vaFileNumber  or  NULL (…><…) | Terminal digits are defined as the last two digits of the file number for a Veteran. |
| titleTxt | NULL (…><…) | This is the title of the WEAMS organization official. |
| vetInd | Y if participant is the veteran  else N | This is to indicate if a person is a veteran. |
| vetTypeNm | NULL (…><…) | A word or phrase that provides a unique description of a VETERAN TYPE. |
| yearsPresntEmplyrNbr | NULL (…><…) | The length of time in years the person has worked for his or her present employer. |
| vnpSruslyDsabldInd | From XML Payload:  UnmarriedChildren  isSeriouslyDisabled  Y or N  or  NULL (…><…) | Indicates whether a person is seriously disabled, specifically, a child. |
| vnpSchoolChildInd | From XML Payload:  UnmarriedChildren  Is18-23YearsOldAndInSchoolChild  Y or N  or  NULL (…><…) | Indicates whether a child is a student. |
| spouseNum | NULL (…><…) | The number of spouses the person has had, including current spouse. |

See section **7.6.6 CorpDB Type Reference Values** for jrnStatusTypeCd.

#### Step 5 – vnpPtcpntAddrsService/vnpPtcpntAddrsCreate

**Figure 7‑8 VnpPtcpntAddrsDTO XSD Diagram**

<xs:complexType name="VnpPtcpntAddrsDTO">

<xs:sequence>

<xs:element name="vnpPtcpntAddrsId" type="xs:long" />

<xs:element name="efctvDt" type="xs:dateTime" />

<xs:element name="vnpPtcpntId" type="xs:long" />

<xs:element name="vnpProcId" type="xs:long" />

<xs:element name="addrsOneTxt" type="xs:string" minOccurs="0" />

<xs:element name="addrsThreeTxt" type="xs:string" minOccurs="0" />

<xs:element name="addrsTwoTxt" type="xs:string" minOccurs="0" />

<xs:element name="badAddrsInd" type="xs:string" minOccurs="0" />

<xs:element name="cityNm" type="xs:string" minOccurs="0" />

<xs:element name="cntryNm" type="xs:string" minOccurs="0" />

<xs:element name="countyNm" type="xs:string" minOccurs="0" />

<xs:element name="eftWaiverTypeNm" type="xs:string" minOccurs="0" />

<xs:element name="emailAddrsTxt" type="xs:string" minOccurs="0" />

<xs:element name="endDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="fmsAddrsCodeTxt" type="xs:string" minOccurs="0" />

<xs:element name="frgnPostalCd" type="xs:string" minOccurs="0" />

<xs:element name="group1VerifdTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="jrnDt" type="xs:dateTime" />

<xs:element name="jrnLctnId" type="xs:string" />

<xs:element name="jrnObjId" type="xs:string" />

<xs:element name="jrnStatusTypeCd" type="xs:string" />

<xs:element name="jrnUserId" type="xs:string" />

<xs:element name="lctnNm" type="xs:string" minOccurs="0" />

<xs:element name="mltyPostalTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="mltyPostOfficeTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="postalCd" type="xs:string" minOccurs="0" />

<xs:element name="prvncNm" type="xs:string" minOccurs="0" />

<xs:element name="ptcpntAddrsTypeNm" type="xs:string" />

<xs:element name="sharedAddrsInd" type="xs:string" />

<xs:element name="trsuryAddrsFiveTxt" type="xs:string" minOccurs="0" />

<xs:element name="trsuryAddrsFourTxt" type="xs:string" minOccurs="0" />

<xs:element name="trsuryAddrsOneTxt" type="xs:string" minOccurs="0" />

<xs:element name="trsuryAddrsSixTxt" type="xs:string" minOccurs="0" />

<xs:element name="trsuryAddrsThreeTxt" type="xs:string" minOccurs="0" />

<xs:element name="trsuryAddrsTwoTxt" type="xs:string" minOccurs="0" />

<xs:element name="trsurySeqNbr" type="xs:int" minOccurs="0" />

<xs:element name="trtryNm" type="xs:string" minOccurs="0" />

<xs:element name="zipFirstSuffixNbr" type="xs:string" minOccurs="0" />

<xs:element name="zipPrefixNbr" type="xs:string" minOccurs="0" />

<xs:element name="zipSecondSuffixNbr" type="xs:string" minOccurs="0" />

</xs:sequence>

</xs:complexType>

Table 7‑7 VnpPtcpntAddrsDTO Population Table

|  |  |  |
| --- | --- | --- |
| **XSD Element** | **Population Value** | **Definition** |
| vnpPtcpntAddrsId | NULL (…><…) | A sequential number that is the unique key of this table |
| efctvDt | YYYY-MM-DThh:mm:ss | The calendar date when an instance of an ADDRESS becomes valid. |
| vnpPtcpntId | vnpPtcpntId value returned from step 3for veteran or step 6 for dependent | An identifier to uniquely identify a participant |
| vnpProcId | vnpProcId value returned from step 1 | Identifies all rows specific to a process so that they can be easily identified. This is the unique identifier of a row. VNP\_PROC\_ID relates all rows specific to a process. |
| addrsOneTxt | From XML Payload:  VeteransInfo  ClaimantAddress  addressLine1  or  VeteranMarriages  SpousesAddress  addressLine1  or  UnmarriedChildsAddressThatDoesNotLiveWithYou  addressLine1  or  NULL (…><…) | This is the first line of the address. This usually contains the street number and name. | |
| addrsThreeTxt | From XML Payload:  VeteransInfo  ClaimantAddress  addressLine3  or  VeteranMarriages  SpousesAddress  addressLine3  or  UnmarriedChildsAddressThatDoesNotLiveWithYou  addressLine3  or  NULL (…><…) | This is the third line of the address | |
| addrsTwoTxt | From XML Payload:  VeteransInfo  ClaimantAddress  addressLine2  or  VeteranMarriages  SpousesAddress  addressLine2  or  UnmarriedChildsAddressThatDoesNotLiveWithYou  addressLine2  or  NULL (…><…) | This is the second line of the address | |
| badAddrsInd | NULL (…><…) | This will indicate if the address existing for the person is valid or not. | |
| cityNm | From XML Payload:  VeteransInfo  ClaimantAddress  city  or  VeteranMarriages  SpousesAddress  city  or  UnmarriedChildsAddressThatDoesNotLiveWithYou  city  or  NULL (…><…) | The name of the city where the address is located. IN the U.S. this is required. | |
| cntryNm | From XML Payload:  ClaimantAddress  CountryName  or  VeteranMarriages  SpousesAddress  CountryName  or  UnmarriedChildsAddressThatDoesNotLiveWithYou  CountryName  or  NULL (…><…) | Foreign Key to CNTRY\_TYPE | |
| countyNm | NULL (…><…) | The name of the county where the address is located. | |
| eftWaiverTypeNm | NULL (…><…) | A word or phrase that provides a unique description of an EFT WAIVER TYPE. | |
| emailAddrsTxt | From XML Payload:  VeteransInfo  claimantEmailAddress  or  NULL (…><…) | This is the entire e-mail address of the person | |
| endDt | NULL (…><…) | The calendar date when an instance of an ADDRESS becomes invalid. | |
| fmsAddrsCodeTxt | NULL (…><…) | Indicates which address to send payment (01-99). | |
| frgnPostalCd | NULL (…><…) | The distinct postal code used by a country to route mail to residences or businesses. | |
| group1VerifdTypeCd | NULL (…><…) | Verified Type code | |
| jrnDt |  | The date it was modified. | |
| jrnLctnId | NULL (…><…) | The location ID where it was modified. | |
| jrnObjId | NULL (…><…) | The object ID that was modified. | |
| jrnStatusTypeCd | NULL (…><…) | The status type code that was modified. | |
| jrnUserId | NULL (…><…) | The user ID of the person. | |
| lctnNm | NULL (…><…) | The name of an affiliate of an organization. An example would be "Univ of MD Bookstore" on one address for the PTCPNT/ORG of University of Maryland. | |
| mltyPostalTypeCd | NULL (…><…) | A representation of a finite, pre-determined value or status that applies to a type of a MILITARY POST OFFICE | |
| mltyPostOfficeTypeCd | NULL (…><…) | A representation of a finite, pre-determined value or status that applies to a type of a MILITARY POSTAL. | |
| postalCd | 2-character state code  If dependent is the "spouse" then use  Form 686c (12. WHAT IS YOUR SPOUSE'S ADDRESS?) SpousesAddress state  If dependent is the "child" then use  Form 686c (15B. CHILD'S COMPLETE ADDRESS) UnmarriedChildsAddressThatDoesNotLiveWithYou state  or  NULL (…><…) | Foreign Key to POSTAL\_TYPE | |
| prvncNm | NULL (…><…) | A geographic area within a country usually containing one of more population centers where residences and businesses exist. | |
| ptcpntAddrsTypeNm | Mailing | A word or phrase that provides a unique description of a PARTICIPANT ADDRESS. | |
| sharedAddrsInd | NULL (…><…) | This indicates, for example, that a Fiduciary or POA represents more than one beneficiary or veteran and therefore the sharing of addresses is supported. When the value of this indicator is 'Y' the following edits apply on insert or update: ADDRS\_ONE\_TXT and ADDRS\_TWO\_TXT must not exceed 20 characters ADDRS\_THREE\_TXT must be null PTCPNT\_SHORT\_NM for this PTCPNT\_ID in the PTCPNT table must be populated | |
| trsuryAddrsFiveTxt | NULL (…><…) | Treasury interface address line 5. | |
| trsuryAddrsFourTxt | NULL (…><…) | Treasury interface address line 4. | |
| trsuryAddrsOneTxt | NULL (…><…) | Treasury interface address line 1. | |
| trsuryAddrsSixTxt | NULL (…><…) | Treasury interface address line 6. | |
| trsuryAddrsThreeTxt | NULL (…><…) | Treasury interface address line 3. | |
| trsuryAddrsTwoTxt | NULL (…><…) | Treasury interface address line 2. | |
| trsurySeqNbr | NULL (…><…) | A counter used to indicate the sequential number of address changes. | |
| trtryNm | NULL (…><…) | A geographic area within a country where residences and businesses exist. | |
| zipFirstSuffixNbr | NULL (…><…) | This is the final four digits of a nine (9) digit zip code. | |
| zipPrefixNbr | From XML Payload:  VeteransInfo  ClaimantAddress  zip  or  VeteranMarriages  SpousesAddress  zip  or  UnmarriedChildsAddressThatDoesNotLiveWithYou  zip  or  NULL (…><…) | This is the first five digits of a nine (9) digit zip code. | |
| zipSecondSuffixNbr | NULL (…><…) | This is a two (2) digit code that is under proposal by the US Postal Service for future use. | |

See section **7.6.6 CorpDB Type Reference Values** for jrnStatusTypeCd, cntryNm, eftWaiverTypeNm, group1VerifdTypeCd, mltyPostalTypeCd, mltyPostOfficeTypeCd and ptcpntAddrsTypeNm.

#### Step 6 – vnpPtcpntService/vnpPtcpntCreate

The details for step 6 are defined in section **7.6.5.3 Step 3 – vnpPtcpntService/vnpPtcpntCreate**.

Step 3 details veteran as well as dependent VnpPtcpntDTO population.

#### Step 7 – vnpPersonService/vnpPersonCreate

The details for step 6 are defined in section **7.6.5.4 Step 4 – vnpPersonService/vnpPersonCreate**

Step 4 details veteran as well as dependent VnpPersonDTO population.

#### Step 8 – vnpPtcpntAddrsService/vnpPtcpntAddrsCreate

The details for step 6 are defined in section **7.6.5.5. Step 5 – vnpPtcpntAddrsService/vnpPtcpntAddrsCreate**

Step 5 details veteran as well as dependent VnpPtcpntAddrsDTO population.

#### Step 9 – vnpPtcpntPhoneService/vnpPtcpntPhoneCreate

**Figure 7‑9 VnpProcDTO XSD Diagram**

<xs:complexType name="VnpPtcpntPhoneDTO">

<xs:sequence>

<xs:element name="vnpPtcpntPhoneId" type="xs:long" />

<xs:element name="vnpProcId" type="xs:long" />

<xs:element name="vnpPtcpntId" type="xs:string" />

<xs:element name="phoneTypeNm" type="xs:string" />

<xs:element name="phoneNbr" type="xs:string" />

<xs:element name="efctvDt" type="xs:dateTime" />

<xs:element name="endDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="areaNbr" type="xs:string" minOccurs="0" />

<xs:element name="cntryNbr" type="xs:string" minOccurs="0" />

<xs:element name="frgnPhoneRfrncTxt" type="xs:string" minOccurs="0" />

<xs:element name="extnsnNbr" type="xs:string" minOccurs="0" />

<xs:element name="jrnDt" type="xs:dateTime" />

<xs:element name="jrnLctnId" type="xs:string" />

<xs:element name="jrnUserId" type="xs:string" />

<xs:element name="jrnStatusTypeCd" type="xs:string" />

<xs:element name="jrnObjId" type="xs:string" />

</xs:sequence>

</xs:complexType>

Table 7‑8 VnpPtcpntPhoneDTO Population Table

|  |  |  |
| --- | --- | --- |
| **XSD Element** | **Population Value** | **Definition** |
| vnpPtcpntPhoneId | NULL (…><…) |  | |
| vnpProcId | vnpProcId value returned from step 1 | This specifies the type of form that is associated to this process, and is the second part of the primary key of a row | |
| vnpPtcpntId | vnpPtcpntId value returned from step 3for veteran | An identifier to uniquely identify a participant | |
| phoneTypeNm | From XML Payload:  DaytimePhoneNumber  phoneNumberType  or  NULL (…><…) | Phone Number Type | |
| phoneNbr | From XML Payload:  DaytimePhoneNumber  phoneNumber  or  NULL (…><…) | Phone number of a participant | |
| efctvDt | NULL (…><…) | Date that phone number became effective | |
| endDt | NULL (…><…) | Date phone number is no longer valid for this participant | |
| areaNbr | From XML Payload:  DaytimePhoneNumber  phoneNumber  (Parsing required)  or  NULL (…><…) | Area code for a phone number | |
| cntryNbr | NULL (…><…) | A prefix to a phone number used to designate a foreign country. This code is used in calling foreign countries. | |
| frgnPhoneRfrncTxt | NULL (…><…) | This attribute stores the foreign phone reference value of the veteran (or other participant) that is stationed abroad. | |
| extnsnNbr | NULL (…><…) | An additional number to be used with an area code and phone number to communicate via voice, FAX or PC modem. | |
| jrnDt | YYYY-MM-DDThh:mm:ss | The day, month and year on which the last action took place on the record. | |
| jrnLctnId | NULL (…><…) | The number representing the Regional Office of the person taking the last action on the record. | |
| jrnUserId | NULL (…><…) | The name associated with the person taking the last action on the record. | |
| jrnStatusTypeCd | NULL (…><…) | The alphabetic character representing the last action taken on the record. (I = Input, U = Update, D = Delete). | |
| jrnObjId | NULL (…><…) | The application taking the last action on the record. | |

See section **7.6.6 CorpDB Type Reference Values** for phoneNumberType and jrnStatusTypeCd.

#### Step 10 – vnpPtcpntRlnshpService/vnpPtcpntRlnshpCreate

**Figure 7‑10 VnpPtcpntRlnshpDTO XSD Diagram**

<xs:complexType name="VnpPtcpntRlnshpDTO">

<xs:sequence>

<xs:element name="vnpPtcpntRlnshpId" type="xs:long" />

<xs:element name="beginDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="childPrevlyMarriedInd" type="xs:string" minOccurs="0" />

<xs:element name="endDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="eventDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="familyRlnshpTypeNm" type="xs:string" minOccurs="0" />

<xs:element name="fidAttntnTxt" type="xs:string" minOccurs="0" />

<xs:element name="hlthcrPrvdrRlseInd" type="xs:string" minOccurs="0" />

<xs:element name="jrnDt" type="xs:dateTime" />

<xs:element name="jrnLctnId" type="xs:string" />

<xs:element name="jrnObjId" type="xs:string" />

<xs:element name="jrnStatusTypeCd" type="xs:string" />

<xs:element name="jrnUserId" type="xs:string" />

<xs:element name="livesWithRelatdPersonInd" type="xs:string" minOccurs="0" />

<xs:element name="marageCityNm" type="xs:string" minOccurs="0" />

<xs:element name="marageCntryNm" type="xs:string" minOccurs="0" />

<xs:element name="marageStateCd" type="xs:string" minOccurs="0" />

<xs:element name="marageTrmntnCityNm" type="xs:string" minOccurs="0" />

<xs:element name="marageTrmntnCntryNm" type="xs:string" minOccurs="0" />

<xs:element name="marageTrmntnStateCd" type="xs:string" minOccurs="0" />

<xs:element name="marageTrmntnTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="mthlySupportFromVetAmt" type="xs:double" minOccurs="0" />

<xs:element name="proofDepncyInd" type="xs:string" minOccurs="0" />

<xs:element name="prptnlPhraseTypeNm" type="xs:string" minOccurs="0" />

<xs:element name="ptcpntRlnshpTypeNm" type="xs:string" minOccurs="0" />

<xs:element name="rateTypeNm" type="xs:string" minOccurs="0" />

<xs:element name="reviewDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="statusTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="tempCustdnInd" type="xs:string" minOccurs="0" />

<xs:element name="poaRepNm" type="xs:string" minOccurs="0" />

<xs:element name="poaRepTitleTxt" type="xs:string" minOccurs="0" />

<xs:element name="poaSigntrVrfctnDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="poaRepTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="poaAgencyNm" type="xs:string" minOccurs="0" />

<xs:element name="vnpProcId" type="xs:long" />

<xs:element name="vnpPtcpntIdA" type="xs:long" />

<xs:element name="vnpPtcpntIdB" type="xs:long" />

</xs:sequence>

</xs:complexType>

Table 7‑9 VnpPtcpntRlnshpDTO Population Table

|  |  |  |
| --- | --- | --- |
| **XSD Element** | **Population Value** | **Definition** |
| vnpPtcpntRlnshpId | NULL (…><…) | Automatically generated sequence number that is the primary key of a VONAPP participant relationship episode. |
| beginDt | From XML Payload:  marriageDate  YYYY-MM-DDThh:mm:ss | The calendar date when an instance of a participant relationship or contract becomes valid. |
| childPrevlyMarriedInd | From XML Payload:  UnmarriedChildren  ChildPreviouslyMarried  Y or N  or  NULL (…><…) | Child previously married indicator |
| endDt | From XML Payload:  marriageTerminationDate  or  NULL (…><…) | The calendar date when an instance of an organization relationship or contract expires or becomes invalid. |
| eventDt | NULL (…><…) | The date on which an event occurred relative to a relationship between two participants. |
| familyRlnshpTypeNm | If spouse enter Spouse  or  If child enter from XML payload ChilDType:  Biological  or  Adopted Child  or  Stepchild | A word or phrase that provides a unique description of a FAMILY RELATIONSHIP.  Note: acceptable values are: Spouse, Biological, Adopted Child, or Stepchild. |
| fidAttntnTxt | NULL (…><…) | Describes supplemental information used to further specify a fiduciary relationship. |
| hlthcrPrvdrRlseInd | NULL (…><…) | Shows if a participant was released from their healthcare provider or not. |
| jrnDt | YYYY-MM-DDThh:mm:ss | The date it was modified. |
| jrnLctnId | NULL (…><…) | The location ID where it was modified. |
| jrnObjId | NULL (…><…) | The object ID that was modified. |
| jrnStatusTypeCd | NULL (…><…) | The status type code that was modified. |
| jrnUserId | NULL (…><…) | The user ID of the person. |
| livesWithRelatdPersonInd | From XML Payload:  DoYouLiveWithYourSpouse  or  UnmarriedChildren  ChildsName  equals  UnmarriedChildrenThatDoNotLiveWithYou  UnmarriedChildsNameThatDoesNotLiveWithYou  and  If processing the spouse or child dependent  Y or N  or  NULL (…><…) | Indicates that ptcpnt\_id\_a lives with ptcpnt\_id\_b |
| marageCityNm | From XML Payload:  VeteransMarriages  CityOfMarriage  or  NULL (…><…) | A value that identifies the state that two persons were married. |
| marageCntryNm | From XML Payload:  VeteransMarriages  CountryOfMarriage  or  NULL (…><…) | A value that identifies the country that two persons were married. |
| marageStateCd | From XML Payload:  VeteransMarriages  StateOfMarriage  or  NULL (…><…) | A value that identifies the city that two persons were married. |
| marageTrmntnCityNm | From XML Payload:  marriageTerminationCity  or  NULL (…><…) | A value that identifies the city that two persons were marriage was ended. |
| marageTrmntnCntryNm | From XML Payload:  marriageTerminationCountry  or  NULL (…><…) | A value that identifies the country that two person’s marriage was ended. |
| marageTrmntnStateCd | From XML Payload:  marriageTerminationState  or  NULL (…><…) | A value that identifies the state that two person’s marriage was ended. |
| marageTrmntnTypeCd | From XML Payload:  marriageTerminationType  or  NULL (…><…) | A value that identifies the type code that the marriage was ended. |
| mthlySupportFromVetAmt | From XML Payload:  HowMuchDoYouContributeMonthlyToYourSpousesSupport |  |
| proofDepncyInd | NULL (…><…) | A user indicates whether a dependent's relationship is considered to be valid or not at time of claims establishment. |
| prptnlPhraseTypeNm | NULL (…><…) | A word or phrase that provides a unique description of a PREPOSITIONAL PHRASE TYPE. |
| ptcpntRlnshpTypeNm | If spouse enter Spouse  or  If child enter Child | A word or phrase that provides a unique description of a PARTICIPANT RELATIONSHIP. |
| rateTypeNm | NULL (…><…) | A word or phrase that provides a unique description of a RATE. |
| reviewDt | NULL (…><…) | Date on which a relationship is reviewed by common security group. |
| statusTypeCd | NULL (…><…) | A representation of a finite, pre-determined value or status that applies to a type of a STATUS. |
| tempCustdnInd | NULL (…><…) | Indicates whether a legal guardianship relationship is a temporary custodian or not. |
| poaRepNm | NULL (…><…) | First and last name of official representative acting on behalf of the POA organization. |
| poaRepTitleTxt | NULL (…><…) | Title of official representative acting on behalf of the POA organization. |
| poaSigntrVrfctnDt | NULL (…><…) | Date that POA signature was verified. |
| poaRepTypeCd | NULL (…><…) | Power of Attorney Code representing the Organizations |
| poaAgencyNm | NULL (…><…) | POA\_AGENCY\_NM is the name of the agency or law firm for the agent/attorney |
| vnpProcId | vnpProcId value returned from step 1 | This specifies the type of form that is associated to this process, and is the second part of the primary key of a row |
| vnpPtcpntIdA | vnpPtcpntId value returned from step 3for veteran | An identifier to uniquely identify the veteran participant |
|  |  |  |
| vnpPtcpntIdB | vnpPtcpntId value returned from step 6for dependent | An identifier to uniquely identify the dependent participant |

See section **7.6.6 CorpDB Type Reference Values** for familyRlnshpTypeNm, jrnStatusTypeCd, marageTrmntnTypeCd, prptnlPhraseTypeNm, rateTypeNm, statusTypeCd and poaRepTypeCd

#### Step 11 – VNPChildSchoolSevice/vnpChildSchoolCreate

Step 11 is for 21-674 processing only

#### Step 12 – VNPChildStudentSevice/vnpChildStudentCreate

Step 12 is for 21-674 processing only

#### Step 13– VnpBnftClaimWebService/vnpBnftClaimCreate

**Figure 7‑11 VnpBnftClaimDTO XSD Diagram**

<xs:complexType name="VnpBnftClaimDTO">

<xs:sequence>

<xs:element name="vnpBnftClaimId" type="xs:long" />

<xs:element name="applcnId" type="xs:string" minOccurs="0" />

<xs:element name="atchmsInd" type="xs:string" minOccurs="0" />

<xs:element name="bnftClaimTypeCd" type="xs:string" />

<xs:element name="claimJrsdtnLctnId" type="xs:long" minOccurs="0" />

<xs:element name="claimRcvdDt" type="xs:dateTime" />

<xs:element name="claimSuspnsDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="endPrdctTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="infrmlInd" type="xs:string" minOccurs="0" />

<xs:element name="intakeJrsdtnLctnId" type="xs:long" minOccurs="0" />

<xs:element name="jrnDt" type="xs:dateTime" />

<xs:element name="jrnLctnId" type="xs:string" />

<xs:element name="jrnObjId" type="xs:string" />

<xs:element name="jrnStatusTypeCd" type="xs:string" />

<xs:element name="jrnUserId" type="xs:string" />

<xs:element name="lastPaidDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="payeeTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="pgmTypeCd" type="xs:string" />

<xs:element name="ptcpntClmantId" type="xs:long" />

<xs:element name="ptcpntDpositAcntId" type="xs:long" minOccurs="0" />

<xs:element name="ptcpntVsrId" type="xs:long" minOccurs="0" />

<xs:element name="rmksTxt" type="xs:string" minOccurs="0" />

<xs:element name="statusTypeCd" type="xs:string" />

<xs:element name="svcTypeCd" type="xs:string" />

<xs:element name="ptcpntMailAddrsId" type="xs:long" minOccurs="0" />

<xs:element name="ptcpntPymtAddrsId" type="xs:long" minOccurs="0" />

<xs:element name="termnlDigitNbr" type="xs:string" minOccurs="0" />

<xs:element name="vnpPtcpntVetId" type="xs:long" minOccurs="0" />

<xs:element name="vnpProcID" type="xs:long" />

<xs:element name="bnftClaimId" type="xs:long" minOccurs="0" />

</xs:sequence>

</xs:complexType>

Table 7‑10 VnpBnftClaimDTO Population Table

|  |  |  |  |
| --- | --- | --- | --- |
| **XSD Element** | **Population Value** | **Definition** | |
| vnpBnftClaimId | NULL (…><…) | Automatically generated sequence number that is the primary key of a VONAPP benefit claims episode | |
| applcnId | NULL (…><…) | Identifies the application that creates the claim | |
| atchmsInd | NULL (…><…) | Indicates whether or not there were attachments to the claim | |
| bnftClaimTypeCd | Refer to the CompAndPenEPCode Service Design Document Inc3 SDD. | A representation of a finite, pre-determined value or status that applies to a type of a BENEFIT CLAIM. | |
| claimJrsdtnLctnId | Obtained from the FSS SOJ process. | The station that has jurisdiction of this claim. | |
| claimRcvdDt | YYYY-MM-DDThh:mm:ss | The date the BENEFIT CLAIM was created. | |
| claimSuspnsDt | NULL (…><…) | The date the claim was suspended. | |
| endPrdctTypeCd | Refer to the CompAndPenEPCode Service Design Document Inc3 SDD. | Specifies the end product for the claim | |
| infrmlInd | NULL (…><…) | This indicates if the claim was established as informal. | |
| intakeJrsdtnLctnId | NULL (…><…) | The station where this claim was created if it was for BDD (The Benefits Delivery at Discharge) | |
| jrnDt | YYYY-MM-DDThh:mm:ss | The day, month and year on which the last action took place on the record. | |
| jrnLctnId | NULL (…><…) | The number representing the Regional Office of the person taking the last action on the record. | |
| jrnObjId | NULL (…><…) | The application taking the last action on the record. | |
| jrnStatusTypeCd | NULL (…><…) | The alphabetic character representing the last action taken on the record. (I = Input, U = Update, D = Delete). | |
| jrnUserId | NULL (…><…) | The name associated with the person taking the last action on the record. | |
| lastPaidDt | NULL (…><…) | The date last paid. | |
| payeeTypeCd | 00 | A representation of a finite, pre-determined value or status that applies to a type of a PAYEE. | |
| pgmTypeCd | COMPs | A representation of a finite, pre-determined value or status that applies to a type of a PROGRAM. | |
| ptcpntClmantId | vnpPtcpntId value returned from step 3for veteran | An identifier to uniquely identify a participant for a CLAIMANT. Part of the identifier for BNFT\_CLAIM. | |
| ptcpntDpositAcntId | NULL (…><…) | Foreign key reference to the account specified by the claimant for this claim | |
| ptcpntVsrId | NULL (…><…) | The Participant ID of the Veteran Service Representative. | |
| rmksTxt | NULL (…><…) | General comments and misc data in support of a benefit claim. | |
| statusTypeCd | Curr | A representation of a finite, pre-determined value or status that applies to a type of a STATUS. | |
| svcTypeCd | CP | A representation of a finite, pre-determined value or status that applies to a type of a SERVICE. | |
| ptcpntMailAddrsId | vnpPtcpntAddrsId value returned from step 5for veteran | Foreign key reference to the mailing address specified by the claimant for this claim | |
| ptcpntPymtAddrsId | NULL (…><…) | Foreign key reference to the payment address (if payment is by check) specified by the claimant for this claim | |
| termnlDigitNbr | NULL (…><…) | The terminal digit number of the Veteran. | |
| vnpPtcpntVetId | vnpPtcpntId value returned from step 3 for veteran | An identifier to uniquely identify a participant |
| vnpProcId | vnpProcId value returned from step 1 | Identifies all rows specific to a process so that they can be easily identified. This is the unique identifier of a row. VNP\_PROC\_ID relates all rows specific to a process. |
| bnftClaimId | NULL (…><…) | Automatically generated sequence number that is the primary key of a benefit claim |

See section **7.6.6 CorpDB Type Reference Values** for jrnStatusTypeCd and statusTypeCd

#### Step 14 – benefitClaimWebService/ insertBenefitClaim

**Figure 7‑12 BenefitClaimInput XSD Diagram**

<xs:element name="BenefitClaimInput">

<xs:complexType>

<xs:sequence>

<xs:element name="fileNumber" type="xs:string" />

<xs:element name="ssn" type="xs:string" />

<xs:element name="benefitClaimType" type="xs:string" />

<xs:element name="payee" type="xs:string" default="00" />

<xs:element name="endProduct" type="xs:string" />

<xs:element name="endProductCode" type="xs:string" />

<xs:element name="titleName" type="xs:string" minOccurs="0" />

<xs:element name="firstName" type="xs:string" />

<xs:element name="middleName" type="xs:string" minOccurs="0" />

<xs:element name="lastName" type="xs:string" />

<xs:element name="suffixName" type="xs:string" minOccurs="0" />

<xs:element name="addressLine1" type="xs:string" minOccurs="0" />

<xs:element name="addressLine2" type="xs:string" minOccurs="0" />

<xs:element name="addressLine3" type="xs:string" minOccurs="0" />

<xs:element name="city" type="xs:string" />

<xs:element name="state" type="xs:string" />

<xs:element name="postalCode" type="xs:string" />

<xs:element name="postalCodePlus4" type="xs:string" minOccurs="0" />

<xs:element name="country" type="xs:string" default="USA" />

<xs:element name="dayTimeAreaCode" type="xs:string" minOccurs="0" />

<xs:element name="dayTimePhoneNumber" type="xs:string" minOccurs="0" />

<xs:element name="nightTimeAreaCode" type="xs:string" minOccurs="0" />

<xs:element name="nightTimePhoneNumber" type="xs:string" minOccurs="0" />

<xs:element name="emailAddress" type="xs:string" minOccurs="0" />

<xs:element name="dateOfClaim" type="xs:string" minOccurs="0" />

<xs:element name="disposition" type="xs:string" default="M" />

<xs:element name="suspenseDate" type="xs:string" minOccurs="0" />

<xs:element name="sectionUnitNo" type="xs:string" />

<xs:element name="folderWithClaim" type="xs:string" default="N" />

<xs:element name="futureReason" type="xs:string" minOccurs="0" />

<xs:element name="claimantSsn" type="xs:string" minOccurs="0" />

<xs:element name="beneficiaryDateOfBirth" type="xs:string" minOccurs="0" />

<xs:element name="powerOfAttorney" type="xs:string" minOccurs="0" />

<xs:element name="gulfWarRegistryPermit" type="xs:string" minOccurs="0" />

<xs:element name="suppressAcknowledgementLetter" type="xs:string" minOccurs="0" />

<xs:element name="specialIssueCase" type="xs:string" minOccurs="0" />

<xs:element name="inTakeSite" type="xs:string" minOccurs="0" />

<xs:element name="endProductName" type="xs:string" />

<xs:element name="soj" type="xs:string" minOccurs="0" />

<xs:element name="mltyPostalTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="mltyPostOfficeTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="foreignMailCode" type="xs:string" minOccurs="0" />

<xs:element name="addressType" type="xs:string" minOccurs="0" />

<xs:element name="preDischargeIndicator" type="xs:string" default="N" />

<xs:element name="bypassIndicator" type="xs:string" minOccurs="0" />

<xs:element name="bnftClaimId" type="xs:string" minOccurs="0" />

<xs:element name="allowPoaAccess" type="xs:string" minOccurs="0" />

<xs:element name="allowPoaCadd" type="xs:string" minOccurs="0" />

<xs:element name="submtrRoleTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="submtrApplcnTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="awardSoj" type="xs:string" minOccurs="0" />

<xs:element name="powNumberOfDays" type="xs:string" minOccurs="0" />

<xs:element name="homelessIndicator" type="xs:string" minOccurs="0" />

</xs:sequence>

</xs:complexType>

Table 7‑11 BenefitClaimInput Population Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **XSD Element** | **Population Value** | **Definition** | | |
| fileNumber | From XML Payload:  VeteransInfo  vaFileNumber  or  NULL (…><…) | | A unique number assigned to the client's claim by the VBA. |
| ssn | From XML Payload:  VeteransInfo  claimantSSN  or  NULL (…><…) | | An identifier to uniquely identify a participant for a CLAIMANT. Part of the identifier for BNFT\_CLAIM. |
| benefitClaimType | 1 | | A representation of a finite, pre-determined value or status that applies to a type of a BENEFIT CLAIM  Valid values are 1, 2, 3  1=CPL  2=CPD  3=CH31 |
| payee | 00 | | A representation of a finite, pre-determined value or status that applies to a type of a PAYEE. This field displays a two-digit number that identifies either the payee as the veteran, or the payee's relationship to the veteran (i.e., spouse, child, etc.).  Defaults to “00” if not provided |
| endProduct | Refer to the CompAndPenEPCode Service Design Document Inc3 SDD. | | Specifies the end product for the claim |
| endProductCode | Refer to the CompAndPenEPCode Service Design Document Inc3 SDD. | | A representation of a finite, pre-determined value or status that applies to a type of a BENEFIT CLAIM. |
| titleName | NULL (…><…) | | . A word or phrase that provides a unique description of a SALUTATION TYPE. This field displays the title (Mr., Ms., etc.) used in the salutation of a letter to further qualify a person. |
| firstName | From XML Payload:  VeteransInfo  VeteranName  firstName | | A word or letter which refers to the person's first name. Claimant first name. |
| middleName | From XML Payload:  VeteransInfo  VeteranName  middleNameor  or  NULL (…><…) | | A word or letter which refers to the person's middle name. Claimant middle name. |
| lastName | From XML Payload:  VeteransInfo  VeteranName  lastName | | The formal/ last name of a person of record including but, not limited to a surname or maiden name if the maiden name is the legal last name.  Claimant last name. |
| suffixName | From XML Payload:  VeteransInfo  VeteranName  suffix  or  NULL (…><…) | | An abbreviation which may occur after the person's last name. Examples are, Jr., Sr., or a Roman numeral. Others could be MD. ,DDS, DVM, etc. |
| addressLine1 | From XML Payload:  VeteransInfo  ClaimantAddress  addressLine1 | | Mailing  This is the first line of the address. This usually contains the street number and name.  The following special characters are not allowed in address fields:  $ (dollar sign); \* (asterisk); ; (semi colon); < (less than sign); > (greater than sign); ? (question mark). |
| addressLine2 | From XML Payload:  VeteransInfo  ClaimantAddress  addressLine2  or  NULL (…><…) | | Mailing  This is the second line of the address. The following special characters are not allowed in address fields:  $ (dollar sign); \* (asterisk); ; (semi colon); < (less than sign); > (greater than sign); ? (question mark). |
| addressLine3 | From XML Payload:  VeteransInfo  ClaimantAddress  addressLine3  or  NULL (…><…) | | Mailing  This is the third line of the address.  The following special characters are not allowed in address fields:  $ (dollar sign); \* (asterisk); ; (semi colon); < (less than sign); > (greater than sign); ? (question mark). |
| city | From XML Payload:  VeteransInfo  ClaimantAddress  City | | The name of the city where the address is located.  In the U.S. this is required. |
| state | From XML Payload:  VeteransInfo  ClaimantAddress  state | | 2 character state Identifier |
| postalCode | From XML Payload:  VeteransInfo  ClaimantAddress  zip  or  NULL (…><…) | | This is the first five digits of a nine (9) digit zip code. |
| postalCodePlus4 | From XML Payload:  VeteransInfo  ClaimantAddress  zip  (Parsing may be required)  or  NULL (…><…) | | This is the final four digits of a nine (9) digit zip code. |
| country | From XML Payload:  VeteransInfo  ClaimantAddress  CountryName  or  NULL (…><…) | | Country name Foreign Key to CNTRY\_TYPE  Defaults to “USA” if not provided |
| dayTimeAreaCode | From XML Payload:  DaytimePhoneNumber  phoneNumber  (Parsing may be required)  or  NULL (…><…) | | Area Code number when the PHONE\_TYPE\_NM is Daytime |
| dayTimePhoneNumber | From XML Payload:  DaytimePhoneNumber  phoneNumber  (Parsing may be required)  or  NULL (…><…) | | Phone Number when the PHONE\_TYPE\_NM is Daytime |
| nightTimeAreaCode | From XML Payload:  NighttimePhoneNumber  phoneNumber  (Parsing may be required)  or  NULL (…><…) | | Area Code number when the PHONE\_TYPE\_NM is Nighttime |
| nightTimePhoneNumber | From XML Payload:  NighttimePhoneNumber  phoneNumber  (Parsing may be required)  or  NULL (…><…) | | Phone Number when the PHONE\_TYPE\_NM is NightTime |
| emailAddress | From XML Payload:  VeteransInfo  claimantEmailAddress  or  NULL (…><…) | | This is the entire e-mail address of the person. |
| dateOfClaim | Accepts only MM/DD/YYYY format | | The date the BENEFIT CLAIM was created. Note: 'Date of claim' can be derived from the date the document (claim form) was received. |
| disposition | M | | Disposition value must be “MAPD” or “M”. |
| suspenseDate | NULL (…><…) | | Date Benefit Claim was put into suspense. The date the claim was suspended. |
| sectionUnitNo | SOJ obtained from the FSS SOJ process | | A system generated identifier created to uniquely identify each instance of a LOCATION |
| folderWithClaim | N | | This field displays the type of physical folder, such as Claim, Temporary, or Notice of Death.  Defaults to “N” if not provided |
| futureReason | NULL (…><… | | This field displays a numeric code indicating the reason for the future change in status. |
| claimantSsn | From XML Payload:  VeteransInfo  claimantSSN  or  NULL (…><…) | | Claimant Social Security Number |
| beneficiaryDateOfBirth | NULL (…><…) | | The month, day and year on which a person was born. |
| powerOfAttorney | NULL (…><…) | | The C&P official list of Power of Attorney codes used in the BIRLS and BDN systems. |
| gulfWarRegistryPermit | NULL (…><…) | | Indicates whether the Gulf War Registry Flash is set. Indicates Indicates whether veteran elected to be included in a registry of GW veterans.. |
| suppressAcknowledgementLetter | Y/N Typically set to N | | A unique, factless identifier of an instance of Notification (NOTFCN).  Set to true when a VSR acknowledges they have seen a particular notification on the work list. This is typically represented as a check mark on the GUI. |
| specialIssueCase | NULL (…><…) | | A representation of a finite, pre-determined value or status that applies to a type of a SPECIAL ISSUE. See VBA Corporate Architecture web site for the exact values.  A value to identify issue(s) considered on a rating decision that are of special interest to the VA or Congress. |
| inTakeSite | NULL (…><…) | | This contains sites that perform the Intake function of the Benefits Delivery on Discharge (BDD) Program. |
| endProductName | Refer to the CompAndPenEPCode Service Design Document Inc3 SDD. | | This is the name associated with the end product type code. Consist of the endProduct concatenated with the BNFT\_CLAIM\_TYPE\_NM |
| soj | Obtained from the FSS SOJ process. | | (This value is calculated by shrinqm from data in the STN\_OF\_JRSDTN, which then pulls data from the STN table and places it in a text value composed of the STN table values FCLTY\_TYPE\_CD, CD, followed by a hyphen and NM.) |
| mltyPostalTypeCd | NULL (…><…) | | A representation of a finite, pre-determined value or status that applies to a type of a MILITARY POSTAL. See VBA Corporate Architecture web site for the exact values..) |
| mltyPostOfficeTypeCd | NULL (…><…) | | A representation of a finite, pre-determined value or status that applies to a type of a MILITARY POST OFFICE. See VBA Corporate Architecture web site for the exact values. |
| foreignMailCode | NULL (…><…) | | The district postal code used by a country to route mail to residences or businesses. |
| addressType |  | | “OVR” = Overseas, “INT” = International, “” = Domestic |
| preDischargeIndicator | N | | The value of the character of discharge before it was changed.Defaults to “N” if not provided |
| bypassIndicator |  | | Not a database field. Used for business logic. This field has a default value of “3”. |
| bnftClaimId | NULL (…><…) | | A factless unique identifier for a bnft\_claim instance. |
| allowPoaAccess | NULL (…><…) | | Power of Attorney access |
| allowPoaCadd | NULL (…><…) | | Allow Power of Attorney to change address |
| submtrRoleTypeCd | NULL (…><…) | | This is the role of the person that submits the claim |
| submtrApplcnTypeCd | NULL (…><…) | | This is the application used to create the claim |
| awardSoj | NULL (…><…) | | Station of Jurisdiction for the Claimant aka Veteran SOJ and aka Award SOJ |
| powNumberOfDays | NULL (…><…) | | Indicates whether POW flash is set. |
| homelessIndicator | N | | Indicates whether Homeless Flash is set |

See section **7.6.6 CorpDB Type Reference Values** for endProduct.

#### Step 15– VnpBnftClaimWebService/vnpBnftClaimUpdate

**Figure 7‑13 VnpBnftClaimDTO XSD Diagram**

<xs:complexType name="VnpBnftClaimDTO">

<xs:sequence>

<xs:element name="vnpBnftClaimId" type="xs:long" />

<xs:element name="applcnId" type="xs:string" minOccurs="0" />

<xs:element name="atchmsInd" type="xs:string" minOccurs="0" />

<xs:element name="bnftClaimTypeCd" type="xs:string" />

<xs:element name="claimJrsdtnLctnId" type="xs:long" minOccurs="0" />

<xs:element name="claimRcvdDt" type="xs:dateTime" />

<xs:element name="claimSuspnsDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="endPrdctTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="infrmlInd" type="xs:string" minOccurs="0" />

<xs:element name="intakeJrsdtnLctnId" type="xs:long" minOccurs="0" />

<xs:element name="jrnDt" type="xs:dateTime" />

<xs:element name="jrnLctnId" type="xs:string" />

<xs:element name="jrnObjId" type="xs:string" />

<xs:element name="jrnStatusTypeCd" type="xs:string" />

<xs:element name="jrnUserId" type="xs:string" />

<xs:element name="lastPaidDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="payeeTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="pgmTypeCd" type="xs:string" />

<xs:element name="ptcpntClmantId" type="xs:long" />

<xs:element name="ptcpntDpositAcntId" type="xs:long" minOccurs="0" />

<xs:element name="ptcpntVsrId" type="xs:long" minOccurs="0" />

<xs:element name="rmksTxt" type="xs:string" minOccurs="0" />

<xs:element name="statusTypeCd" type="xs:string" />

<xs:element name="svcTypeCd" type="xs:string" />

<xs:element name="ptcpntMailAddrsId" type="xs:long" minOccurs="0" />

<xs:element name="ptcpntPymtAddrsId" type="xs:long" minOccurs="0" />

<xs:element name="termnlDigitNbr" type="xs:string" minOccurs="0" />

<xs:element name="vnpPtcpntVetId" type="xs:long" minOccurs="0" />

<xs:element name="vnpProcID" type="xs:long" />

<xs:element name="bnftClaimId" type="xs:long" minOccurs="0" />

</xs:sequence>

</xs:complexType>

Table 7‑12 VnpBnftClaimDTO Population Table

|  |  |  |  |
| --- | --- | --- | --- |
| **XSD Element** | **Population Value** | **Definition** | |
| vnpBnftClaimId | vnpBnftClaimId value returned from step 13. | Automatically generated sequence number that is the primary key of a VONAPP benefit claims episode | |
| applcnId | NULL (…><…) | Identifies the application that creates the claim | |
| atchmsInd | NULL (…><…) | Indicates whether or not there were attachments to the claim | |
| bnftClaimTypeCd | Refer to the CompAndPenEPCode Service Design Document Inc3 SDD. | A representation of a finite, pre-determined value or status that applies to a type of a BENEFIT CLAIM. | |
| claimJrsdtnLctnId | Obtained from the FSS SOJ process. | The station that has jurisdiction of this claim. | |
| claimRcvdDt | YYYY-MM-DDThh:mm:ss | The date the BENEFIT CLAIM was created. | |
| claimSuspnsDt | NULL (…><…) | The date the claim was suspended. | |
| endPrdctTypeCd | Refer to the CompAndPenEPCode Service Design Document Inc3 SDD. | Specifies the end product for the claim | |
| infrmlInd | NULL (…><…) | This indicates if the claim was established as informal. | |
| intakeJrsdtnLctnId | NULL (…><…) | The station where this claim was created if it was for BDD (The Benefits Delivery at Discharge) | |
| jrnDt | YYYY-MM-DDThh:mm:ss | The day, month and year on which the last action took place on the record. | |
| jrnLctnId | NULL (…><…) | The number representing the Regional Office of the person taking the last action on the record. | |
| jrnObjId | NULL (…><…) | The application taking the last action on the record. | |
| jrnStatusTypeCd | NULL (…><…) | The alphabetic character representing the last action taken on the record. (I = Input, U = Update, D = Delete). | |
| jrnUserId | NULL (…><…) | The name associated with the person taking the last action on the record. | |
| lastPaidDt | NULL (…><…) | The date last paid. | |
| payeeTypeCd | 00 | A representation of a finite, pre-determined value or status that applies to a type of a PAYEE. | |
| pgmTypeCd | COMPs | A representation of a finite, pre-determined value or status that applies to a type of a PROGRAM. | |
| ptcpntClmantId | vnpPtcpntId value returned from step 3for | An identifier to uniquely identify a participant for a CLAIMANT. Part of the identifier for BNFT\_CLAIM. | |
| ptcpntDpositAcntId | NULL (…><…) | Foreign key reference to the account specified by the claimant for this claim | |
| ptcpntVsrId | NULL (…><…) | The Participant ID of the Veteran Service Representative. | |
| rmksTxt | NULL (…><…) | General comments and misc data in support of a benefit claim. | |
| statusTypeCd | Curr | A representation of a finite, pre-determined value or status that applies to a type of a STATUS. | |
| svcTypeCd | CP | A representation of a finite, pre-determined value or status that applies to a type of a SERVICE. | |
| ptcpntMailAddrsId | vnpPtcpntAddrsId value returned from step 5for for veteran | Foreign key reference to the mailing address specified by the claimant for this claim | |
| ptcpntPymtAddrsId | NULL (…><…) | Foreign key reference to the payment address (if payment is by check) specified by the claimant for this claim | |
| termnlDigitNbr | NULL (…><…) | The terminal digit number of the Veteran. | |
| vnpPtcpntVetId | vnpPtcpntId value returned from step 3 for veteran | An identifier to uniquely identify a participant |
| vnpProcId | vnpProcId value returned from step 1a | Identifies all rows specific to a process so that they can be easily identified. This is the unique identifier of a row. VNP\_PROC\_ID relates all rows specific to a process. |
| bnftClaimId | bnftClaimId value returned from step 13. | Automatically generated sequence number that is the primary key of a benefit claim | |

See section **7.6.6 CorpDB Type Reference Values** for jrnStatusTypeCd and statusTypeCd

#### Step 16 – vnpProcService/ vnpProcUpdate

**Figure 7‑14 VnpProcDTO XSD Diagram**

<xs:complexType name="VnpProcDTO">

<xs:sequence>

<xs:element name="vnpProcId" type="xs:long" />

<xs:element name="vnpProcTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="vnpProcStateTypeCd" type="xs:string" minOccurs="0" />

<xs:element name="creatdDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="lastModifdDt" type="xs:dateTime" minOccurs="0" />

<xs:element name="jrnDt" type="xs:dateTime" />

<xs:element name="jrnLctnId" type="xs:string" />

<xs:element name=" " type="xs:string" />

<xs:element name="jrnUserId" type="xs:string" />

<xs:element name="jrnObjId" type="xs:string" />

</xs:sequence>

</xs:complexType

Table 7‑13 VnpProcDTO Population Table

|  |  |  |
| --- | --- | --- |
| **XSD Element** | **Population Value** | **Definition** |
| vnpProcId | vnpProcId value returned from step 1 | Identifies all rows specific to a process so that they can be easily identified. This is the unique identifier of a row. VNP\_PROC\_ID relates all rows specific to a process. |
| vnpProcTypeCd | DEPCHG | Specifies the type of process the data relates to. |
| vnpProcStateTypeCd | Ready | State of the process. |
| creatdDt | YYYY-MM-DDThh:mm:ss | Date the process is created. |
| lastModifdDt | YYYY-MM-DDThh:mm:ss | Date the process was last modified. |
| jrnDt | YYYY-MM-DDThh:mm:ss | The day, month and year on which the last action took place on the record. |
| jrnLctnId | NULL (…><…) | The number representing the Regional Office of the person taking the last action on the record. |
| jrnStatusTypeCd | NULL (…><…) | The alphabetic character representing the last action taken on the record. (I = Input, U = Update, D = Delete). |
| jrnUserId | NULL (…><…) | The name associated with the person taking the last action on the record. |
| jrnObjId | NULL (…><…) | The application taking the last action on the record. |

See section **7.6.6 CorpDB Type Reference Values** for vnpProcTypeCd, vnpProcStateTypeCd and jrnStatusTypeCd

### CorpDB Type Reference Values

The following table contains the CorpDB URL references for Type tables. The table details by Web Service, Operation and XSD element the allowable values for the elements. The appropriate DTO population table for each step will define the appropriate values. These URLs are for informative purposes only. Operations correspond to the operations defined in the process flow diagram in section **7.6.1 BGS VNP Table Updates/Insert Benefit Claim Service Processes Flow**.

Table ‑ CorpDB Type Reference Value Table

|  |  |
| --- | --- |
| **Web Service Operation Element** | **URL** |
| **vnpProcFormService** vnpProcCreate vnpProcTypeCd | [http://vbacoda.vba.va.gov/plsql/typ\_val.list\_val?env=CERT&typ\_grp=PROC\_TYPE](http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=PROC_TYPE%20) |
| **vnpProcFormService** vnpProcCreate vnpProcStateTypeCd | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=PROC_STATE_TYPE> |
|  |  |
| **vnpPtcpntService** vnpPtcpntCreate ptcpntTypeNm | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=PTCPNT_TYPE> |
| **vnpPtcpntService** vnpPtcpntCreate tinWaiverReasonTypeCd | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=TIN_WAIVER_REASON_TYPE> |
|  |  |
| **vnpPtcpntAddrsService**  vnpPtcpntAddrsCreate cntryNm | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=CNTRY_TYPE> |
| **vnpPtcpntAddrsService** vnpPtcpntAddrsCreate eftWaiverTypeNm | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=EFT_WAIVER_TYPE> |
| **vnpPtcpntAddrsService** vnpPtcpntAddrsCreate group1VerifdTypeCd | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=GROUP1_VERIFD_TYPE> |
| **vnpPtcpntAddrsService** vnpPtcpntAddrsCreate mltyPostalTypeCd | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=MLTY_POST_OFFICE_TYPE> |
| **vnpPtcpntAddrsService** vnpPtcpntAddrsCreate mltyPostOfficeTypeCd | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=MLTY_POSTAL_TYPE> |
| **vnpPtcpntAddrsService** vnpPtcpntAddrsCreate ptcpntAddrsTypeNm | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=PTCPNT_ADDRS_TYPE> |
|  |  |
| **vnpPtcpntPhoneService** vnpPtcpntPhoneCreate phoneNumberType | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=PHONE_TYPE> |
|  |  |
| **vnpPtcpntRlnshpService** vnpPtcpntRlnshpCreate familyRlnshpTypeNm | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=FAMILY_RLNSHP_TYPE> |
| **vnpPtcpntRlnshpService** vnpPtcpntRlnshpCreate marageTrmntnTypeCd | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=MARAGE_TRMNTN_TYPE> |
| **vnpPtcpntRlnshpService** vnpPtcpntRlnshpCreate prptnlPhraseTypeNm | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=PRPTNL_PHRASE_TYPE> |
| **vnpPtcpntRlnshpService** vnpPtcpntRlnshpCreate rateTypeNm | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=RATE_TYPE> |
| **vnpPtcpntRlnshpService** vnpPtcpntRlnshpCreate poaRepTypeCd | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=DEVL&typ_grp=POA_REP_TYPE> |
|  |  |
| **benefitClaimWebService**  insertBenefitClaim endProduct | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=END_PRDCT_TYPE> |
|  |  |
|  |  |
|  |  |
|  |  |
| jrnStastusTypeCd All | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=JRN_STATUS_TYPE> |
| vnpProcStateTypeCd All | <http://vbacoda.vba.va.gov/plsql/typ_val.list_val?env=CERT&typ_grp=VNP_PROC_STATE_TYPE> |
|  |  |

# Human-Machine Interface

VIERS-D2D does not have a user interface/GUI.

# System Integrity Controls

TBD VIERS

# Appendix A

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## Requirements Traceability Matrix

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## Packaging and Installation

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## Design Metrics

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## Glossary of Terms

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Table ‑ Glossary of Terms

|  |  |
| --- | --- |
| Term | Meaning |
|  |  |

## Required Technical Documents

## 21-686c FSS Service WSDL/XSDs



# Attachment A - Approval Signatures

This section is used to document the approval of the System Design Document during the Formal Review. The review should be ideally conducted face to face where signatures can be obtained ‘live’ during the review however the following forms of approval are acceptable:

1. Physical signatures obtained face to face or via fax
2. Digital signatures tied cryptographically to the signer
3. /es/ in the signature block provided that a separate digitally signed e-mail indicating the signer’s approval is provided and kept with the document

The Chair of the governing Integrated Project Team (IPT), Business Sponsor, IT Program Manager, Project Manager, and the members of the Technical and Enterprise Architectural Review Team are required to sign. Until the Engineering and Architecture Review Board is stood up, both the Engineering IPT member(s) and the Architecture IPT member(s) must approve/sign the SDD. Please annotate signature blocks accordingly.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signed: Date:

*< Integrated Project Team (IPT) Chair >*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signed: Date:

*< Business Sponsor >*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signed: Date:

*< IT Program Manager >*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signed: Date:

*< Project Manager >*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signed: Date:

*< Enterprise Architecture>\*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signed: Date:

*< Service Delivery and Engineering >*