**Department of Veterans Affairs**

**Veterans Online Application for Health Benefits (VOA)**

Integration with

Identity and Access Management Services

Integration Requirements Specification Document



**November 2014**

**Version** **2.3**

Revision History

The revision history cycle begins once changes or enhancements are requested after the integration Requirements Specification Document has been baselined.

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 10/31/14 | 2.3 | Final approved draft update. | Brian Ettinger/ Linda Reimonenq/ Cathy Garlesky |
| 10/7/14 | 2.2 | Updates to the AccessVa process as proposed by the IAM technical leads. | Brian Ettinger/ Linda Reimonenq/ Cathy Garlesky |
| 9/17/14 | 2.1 | Updates made to Anonymous and LOA 1 activity diagram for clarity. | Brian Ettinger/ Linda Reimonenq/ Cathy Garlesky |
| 9/15/14 | 2.0 | As part of CR MVI 2192, read and edited document. Re-ran TOC and attached/converted eleven (11) Approval Signatures to document. A total of twenty-two (22) Approval Signatures were added to the final PDF. Added hypertext caption text to Figures 5 and 6. Word document updated in ClearCase and PDF updated in TSPR. | Donnie Canham |
| 8/13/14 | 1.15 | Additional updates, post Formal Review. | Brian Ettinger/ Linda Reimonenq/ Cathy Garlesky |
| 7/23/14 | 1.14 | Formal review updates | Brian Ettinger/ Linda Reimonenq/ Cathy Garlesky |
| 6/18/14 | 1.13 | Updated for minor changes. | Brian Ettinger/ Linda Reimonenq/ Cathy Garlesky |
| 6/4/14 | 1.12 | Updated for extended search requirements. | Brian Ettinger/ Linda Reimonenq/ Cathy Garlesky |
| 5/20/14 | 1.11 | Updated following IAM technical leads review. | Brian Ettinger/ Linda Reimonenq/ Cathy Garlesky |
| 5/16/14 | 1.10 | Updated for changes resulting from Temp ID State discussion with Laura Prietula, Mike Mims and Danny Reed. | Brian Ettinger/ Linda Reimonenq/ Cathy Garlesky |
| 5/2/14 | 1.9 | Updated for changes resulting from Anonymous/LOA 1 flow discussion between IAM technical leads and ES technical leads/VOA business. | Brian Ettinger/ Linda Reimonenq |
| 5/1/14 | 1.8 | Technical edit for style, format, and grammar, and prepare for 508 compliance. | Gary Smith |
| 4/22/14 | 1.7 | Updated with ES responses. | Brian Ettinger/ Linda Reimonenq |
| 4/16/14 | 1.6 | Updated with Portal Strategy flows | Brian Ettinger/ Linda Reimonenq |
| 3/19/14 | 1.5 | Updated from VOA team review. | Brian Ettinger/ Linda Reimonenq |
| 6/17/13 | 1.4 | Updated activity flows following IAM technical review. | Brian Ettinger/ Linda Reimonenq |
| 5/1/13 | 1.3 | Updated with new activity flows | Brian Ettinger/ Linda Reimonenq |
| 4/8/13 | 1.2 | Correct header numbering malfunction and spellcheck. | Gary Smith |
| 4/4/13 | 1.1 | Initial update for VOA anonymous/LOA 1 requirements. | Brian Ettinger/ Linda Reimonenq |
| 02/01/13 | 1.0 | As part of CR MVI 1250, read and edited document and eleven (11) Approval Signatures. Document updated in ClearCase and a Section 508 compliant PDF was added to TSPR Identity Services Project Notebook Web page. PDF and Approval Signatures also attached to MVI CR 1250. | Donnie Canham |
| 12/12/12 | 0.8 | Updated from Formal Review | Brian Ettinger/Tanya Harris |
| 12/4/12 | 0.7 | Technical edit | Gary Smith |
| 12/4/12 | 0.6 | Additional IAM requirements | Brian Ettinger/Tanya Harris |
| 11/5/12 | 0.5 | Updated for IAM requirements | Brian Ettinger/Tanya Harris |
| 11/1/12 | 0.4 | Update based on IAM Tech Lead review | Brian Ettinger/Tanya Harris |
| 10/18/12 | 0.3 | Update based on IAM Tech Lead review | Brian Ettinger/Tanya Harris |
| 9/25/12 | 0.2 | Update reviewed with VOA/eBenefits/ES team | Brian Ettinger/Tanya Harris |
| 07/06/12 | 0.1 | Initial Draft | Brian Ettinger/Cindy Judy |

**Table of Contents**

[1.0 Introduction 1](#_Toc398751900)

[1.1 Purpose 1](#_Toc398751901)

[1.2 Scope 2](#_Toc398751902)

[1.2.1 Functionality for LOA 2 or Higher Credential User Accessing VOA with a DS Logon Process 2](#_Toc398751903)

[1.2.2 Functionality for Anonymous and LOA 1 User Process 3](#_Toc398751904)

[1.2.3 Functionality for AccessVA User Process 5](#_Toc398751905)

[1.3 References 5](#_Toc398751906)

[1.3.1 Requirements, Design, and Service Description Documentation 5](#_Toc398751907)

[1.3.2 Business Policy Documentation 5](#_Toc398751908)

[1.3.3 Abbreviations and Definitions 5](#_Toc398751909)

[2.0 Functional Requirements 5](#_Toc398751910)

[2.1 Functional Requirements for VOA 5](#_Toc398751911)

[2.1.1 Assumptions 6](#_Toc398751912)

[2.1.2 Functional Requirements for the Hosting Portal, VOA, and ES for DS Logon LOA 2 or Higher Credential User Process 7](#_Toc398751913)

[2.1.3 Functional Requirements for VOA and ES for AccessVA User 14](#_Toc398751914)

[2.1.4 Functional Requirements for Hosting Portal, VOA, and ES for Anonymous and LOA 1 Process 16](#_Toc398751915)

[2.2 Functional Requirements for IAM 23](#_Toc398751916)

[2.2.1 Portal Strategy Requirements for VOA Processes 23](#_Toc398751917)

[2.2.2 MVI Requirements for VOA DS Logon LOA 2 or Higher Credential User Process 23](#_Toc398751918)

[2.2.3 IAM Requirements for VOA Anonymous and LOA 1 User Process 24](#_Toc398751919)

[3.0 Other Specifications 25](#_Toc398751920)

[3.1 Business Rules Specifications 25](#_Toc398751921)

[3.2 Design Constraints Specifications 25](#_Toc398751922)

[3.3 Disaster Recovery Specifications 25](#_Toc398751923)

[3.4 Performance Specifications 25](#_Toc398751924)

[3.5 Quality Attributes Specifications 25](#_Toc398751925)

[3.6 Reliability Specifications 26](#_Toc398751926)

[3.7 Security Specifications 27](#_Toc398751927)

[4.0 Attachment A: Approval Signatures 28](#_Toc398751928)

[5.0 Attachment B: Approval Signatures for Release 1.0 (February 2012) 31](#_Toc398751929)

[6.0 Attachment C: MVI Extended Search to BIRLS, Corp and DoD (Orchestration) Activity Diagrams 34](#_Toc398751930)

**List of Figures**

[Figure 1: DS Logon VOA LOA 2 or Higher Credential User Process 13](#_Toc398291564)

[Figure 2: VOA-MVI Integration for AccessVA Users Process Activity Diagram 15](#_Toc398291565)

[Figure 3: Unattended Search Sample Scenarios 18](#_Toc398291566)

[Figure 4: VOA Anonymous and LOA 1 User Application Process Activity Diagram 22](#_Toc398291567)

[Figure 5: MVI Search for Person (Unattended, Returning Corresponding IDs) Extended Search to BIRLS, Corp and DoD Activity Diagram 34](#_Toc398291568)

[Figure 6: MVI Retrieve Person (Returning Corresponding IDs) Extended Search to BIRLS, Corp and DoD Activity Diagram 35](#_Toc398291569)

# Introduction

## Purpose

The purpose of this integration Requirements Specification Document (iRSD) is to provide the requirements that the Veterans Online Application (VOA) Development team needs to integrate VOA with Identity and Access Management (IAM) services, in accordance with IAM service request SR-25.

Integrations with IAM services are mandated by executive management via the mandates listed below.

* IAM Identity Services (IdS) mandate memorandum (VAIQ #7011145). All applications within VA must comply with IAM requirements to ensure that references to the identities of Veterans and their beneficiaries are accurate.
* IAM Access Services (AcS) functionality within VA is mandated by [VAIQ #7060071](http://vaww.iam.va.gov/IAM_Business_PMO.asp).

The IAM Integrated Project Team (IPT) initially prioritized the Veterans On-line Application (VOA) for Health Benefits for FY 2012 (MVI CR 26 - SR20120327.1 Manage Integration Requirements for Veterans On-line Application (VOA) with DS Logon and eBenefits and CR 1250 - SR20120327.1 VOA Identity Security).

The IAM IPT prioritized the VOA integration with MVI for Anonymous and LOA 1 Users for FY 2013 (IAM SR-25/MVI CR 2192- Support for VOA Anonymous Users).

This iRSD includes VOA-related requirements for the following:

* VOA
* Hosting portals (e.g., eBenefits) that are VA Authentication Federation Infrastructure (VAAFI)-protected
* Enrollment Services (ES)
* IAM

This iRSD also includes the requirements for VOA to handle users who access VOA with a Credential Service Provider (CSP) credential through AccessVA (e.g., USAA users). (An earlier version of the requirements for USAA users was detailed in Requirements for the Veterans Online Application for Health Benefits (VOA) integration to the Master Veteran Index (MVI) for USAA Users Requirements Specification Document, September 2013.)

**Note**: Currently eBenefits is the only portal hosting VOA. However, the requirements detailed in this iRSD are applicable to any VAAFI-protected portal hosting VOA.

The target audiences for this iRSD include the following:

* **VHA Health Information Governance (HIG)/Data Quality (DQ)**: This group is the business owner for IdS/MVI, and is responsible for managing the IdS business requirements.
* **Office of Information Security (OIS) IAM Business Program Management Office (BPMO):** This group is responsible for managing the AcS business requirements.
* **Chief Business Office (CBO)** and the **Enrollment Services** **(ES) Development team**. These groups are responsible for fulfilling the IAM requirements within the VOA system.
* **Benefits Assistance Service:** This is the group responsible for fulfilling the business requirements for eBenefits.
* **IAM Development Leads**: They are responsible for the implementation of IAM requirements and ensuring the correct integration of VOA with IAM-approved requirements.

**Note**: This document does not contain the detailed requirements for the changes needed in VOA to integrate with IAM services. The VOA, Hosting Portal, and ES teams should use this document as a guide for writing the detailed system and, if applicable, user interface design specifications. The teams should include both IAM business and technical representatives as stakeholders regarding the VOA design documents. The Quality Attributes Specification section of this document provides more information about the integration process.

## Scope

VOA will provide simple-to-use, secure, online capability for Veterans to provide initial and updated enrollment and eligibility information directly to the Veterans Health Administration’s (VHA) ES. The goal is as follows:

* To streamline Veterans’ access to VA health care enrollment applications
* To facilitate their ability to review and manage their personal information
* To provide effective communication regarding their enrollment processes

VOA will streamline the Veteran’s ability to enroll or update eligibility information and carry out other activities associated with the delivery of VA health benefits by removing the manual component of the enrollment process.

### Functionality for LOA 2 or Higher Credential User Accessing VOA with a DS Logon Process

Requirements for VOA-related interactions with MVI functionality were approved in a previous version of this iRSD. The requirements in this version have been updated to work for any VAAFI-protected portal hosting VOA (not just eBenefits), as long as the portal accepts a DS Logon LOA 2 or higher credential. Additionally, the ability to add a Veteran to MVI when the Veteran is not known in MVI is only available and allowed when the credential is a DS Logon LOA 2 or higher credential.

The process has also been updated to work with the IAM Portal Strategy, which will provide key identifiers and key identity traits to the Hosting Portal.

**Note**: The processes detailed in this iRSD assume that the IAM Portal Strategy has been implemented.

Veterans with an LOA 2 or higher credential will be able to log in to a Hosting Portal (e.g., eBenefits) using a DS Logon, access VOA, and send an application for benefits to the ES system for verification, validation, and preliminary enrollment processing. In order to obtain the ICN that is needed by ES, the Hosting Portal will either query MVI using the DS Logon identifier (the Electronic Data Interchange Personal Identifier (EDIPI)) included in the LOA 2 or higher credential provided by the Hosting Portal, or use the identifier and traits provided by VAAFI as part of the Portal Strategy.

In the event that MVI cannot associate the identifier provided by the LOA 2 or higher credential to an existing record, and the Veteran has logged on using a DS Logon 2 or higher credential, the Hosting Portal will send an add request to MVI. The add request will use the traits and identifier included in the DS Logon LOA 2 or higher credential and create an MVI correlation for DoD. MVI will not create a correlation for the Hosting Portal. (This should not be necessary in most cases with the IAM Portal Strategy in place.)

If MVI cannot associate the identifier provided by the credential to an existing record, and the Veteran has not logged on using a DS Logon of 2 or higher credential, the Veteran will be directed to the Anonymous and LOA 1 User Process.

Before a correlation is created, ES interacts with MVI to retrieve all associated identifiers for the person from MVI to determine if an ES correlation exists. If an ES correlation for the person record does not exist in MVI a correlation will be added to MVI. The newly added correlation will use the traits and elements provided by the Hosting Portal or the applicant, not the traits retrieved from MVI. If a correlation does exist, ES will determine if additional data included in the application should be added to the existing elements in the ES correlation. (For example, if the application includes Mother’s Maiden Name but the correlation does not, Mother’s Maiden Name will be added to the correlation.) If additional elements need to be added, ES will send MVI an Update Record request. No other changes will be made to the ES correlation based on the data in the application. No new functionality or interactions are required for the ES-MVI portion of the process.

**Note**: VOA will not directly interact with MVI during this process.

The LOA 2 or higher credential user accessing VOA with a DS Logon will use the following IAM functionality:

* Get Corresponding IDs (MVI)
* Add Person (Implicit) (MVI)
* Add Person (Add Correlation) (MVI)
* Retrieve Person (Retrieve Correlation Profile) (MVI)
* Update Person (MVI)
* Add Person (Proxy Add to VistA)

### Functionality for Anonymous and LOA 1 User Process

The VOA Anonymous and LOA 1 User process is designed to accept enrollment information directly into ES from a Veteran who does not have an LOA 2 or higher credential (i.e., a Veteran with either an LOA 1 or no LOA) or chooses not to use an LOA 2 or higher credential when logging in to a Hosting Portal.

Users entering the Hosting Portal without an LOA 2 or higher credential will be directed to VOA. VOA will provide the user with a link to AccessVA, along with a brief explanation of the benefits of obtaining an LOA 2 or higher credential. (This link and explanation will be provided at the beginning and end of the VOA application process as appropriate.)

VOA will provide the user with a blank (non pre-populated) application. Once the application is completed, VOA will forward the application to ES. VOA will employ a Globally Unique Identifier (GUID) method to assign a web session of a specific VOA applicant/user, to ensure that the application is being generated by a human being and to restrict the number of times an application can be submitted.

VOA Data Flow with the Session Identifier (GUID):

1. User downloads the 10-10 form

a. The session identifier is generated

b. The session identifier is inserted into the session table

c. The session identifier is stored in a hidden field on the form

d. The form is sent to the user

2. User submits the same 10-10 form

a. The session table is queried for a record that:

* + - Matches the generated hash of the submission
    - Matches the session identifier
    - Hasn’t been submitted
    - Was created within 30 days

b. If a session record is found, it is marked as submitted and the submission is allowed to process

c. If a session record is not found, the submission is rejected and terminated with an error-return notifying the user to start a new session and download a new form.

ES will query MVI to determine whether MVI has a record for the user. If there is no record for the user in MVI, ES will send a request to MVI to add the person. Anonymous and LOA 1 users will be added to the MVI with an ID state of Permanent. Once ES has made an eligibility and enrollment decision on the applicant, ES will send MVI a Proxy Add Person to VistA request.

The MVI integration touch points for the VOA integration for the Anonymous and LOA 1 User Process include the following:

* Retrieve Person (Returning Corresponding IDs)
* Search for Person (Unattended, Returning Corresponding IDs)
* Add Person (Explicit)
* Add Person (Add Correlation)
* Retrieve Person (Retrieve Correlation Profile)
* Proxy Add Person to VistA

**Note**: Neither VOA nor the Hosting Portal will directly interact with MVI for this process.

### Functionality for AccessVA User Process

The VOA AccessVA User Process is designed to allow CSP users (e.g., USAA users) with an LOA of 2 or higher credential that have been authenticated to access VOA via AccessVA.

With the IAM Portal Strategy in place, VOA provides two paths for AccessVA users as listed below.

* If VOA obtains the key identifiers (including the ICN) and key identity traits from the Portal Strategy, it will use the data to pre-populate the form and provide ES with the form and ICN.
* If VOA does not obtain the key identifiers and key identity traits from the Portal Strategy, it will direct the user to the VOA Anonymous and LOA 1 User Process.

## References

### Requirements, Design, and Service Description Documentation

The applicable IAM requirements, design, and service description documentation are included in the following:

* [Enterprise-Level IdM Requirements (ENTRs)](http://tspr.vista.med.va.gov/warboard/ProjectDocs/MVI/Enterprise-Level%20Identity%20Management%20Requirements.pdf)
* [VA Enterprise Identity and Access Management (IAM) Services (VAIQ #7011145)](http://tspr.vista.med.va.gov/warboard/ProjectDocs/MVI/VAIQ%207011145%20Memo_Roger_Baker.pdf)
* [Designation of Identity and Access Management Business Sponsor (VAIQ #7060071)](http://vaww.iam.va.gov/IAM_Business_PMO.asp)
* [MVI Use Cases](http://tspr.vista.med.va.gov/warboard/anotebk.asp?proj=1385&Type=Parked&From=GlobalGroup)
* [AcS Use Cases and Models](http://tspr.vista.med.va.gov/warboard/anotebk.asp?proj=1653&Type=Active#Documentation)
* [MVI Service Description Document](http://tspr.vista.med.va.gov/warboard/ProjectDocs/MVI/MVI_Service_Description.pdf)

### Business Policy Documentation

The applicable IAM business policies are included in the following:

* [VA Directive 6500 Information Security Program](http://www.va.gov/vapubs/viewPublication.asp?Pub_ID=374&FType=2)
* [Section 508 Standards Guide](http://www.section508.gov/section-508-standards-guide)

### Abbreviations and Definitions

The applicable IAM terms and definitions can be found in the [Identity and Access Services Master Glossary](http://tspr.vista.med.va.gov/warboard/ProjectDocs/MVI/Identity_and_Access_Services_Master_Glossary.pdf).

# Functional Requirements

## Functional Requirements for VOA

The functional requirements for the VOA integration with IAM services are identified in this section. In earlier versions of this iRSD, requirements were detailed for eBenefits. This version has been updated to provide requirements for any portal hosting VOA.

Integration Pattern: A Hosting Portal’s integration pattern will be determined on a case-by-case basis. For eBenefits, the integration with MVI follows the Aggregate integration pattern. The key functional characteristics of the Aggregate pattern means eBenefits will retrieve data from the IAM Portal Strategy or MVI and provide it to VOA. No local or eBenefits-specific data is exchanged with systems or external partners.

The ES integration with MVI follows the Enterprise integration pattern. The key functional characteristics of the Enterprise pattern means ES both retrieves and shares data from MVI with systems or external partners. ES records are correlated with MVI.

**Note**: The Hosting Portal and ES Development teams will need to adhere to the implementation guidance found in the MVI use cases and MVI Service Description Document, which can be found in the IdS Technical Services Project Repository (TSPR) Project Notebook.

### Assumptions

The VOA integration with IAM services is based on the assumptions listed below.

1. The IAM Portal Strategy has been implemented.
2. Hosting portals not requiring access using a DS Logon credential must allow a user to enter without logging in. The Hosting Portal must have the ability to partition off non-credentialed users.
3. The VOA application will use the GUID method to assign a web session of a specific VOA applicant/user, to ensure that the application is being generated by a human being and to restrict the number of times an application can be submitted.

VOA Data Flow with the Session Identifier (GUID):

1. User downloads the 10-10 form

a. the session identifier is generated

b. the session identifier is inserted into the session table

c. the session identifier is stored in a hidden field on the form

d. the form is sent to the user

2. User submits the same 10-10 form

a. the session table is queried for a record that:

* + - * matches the EDIPI hash of the EDIPI in the submission
      * matches the session identifier
      * hasn’t been submitted
      * was created within 30 days

b. if a session record is found, it is marked as submitted and the submission is allowed to process

c. if a session record is not found, the submission is rejected and terminated with an error-return notifying the user to start a new session and download a new form.

1. The VOA application will provide Anonymous and LOA 1 applicants a link to AccessVA, along with a brief explanation as to the benefits of obtaining an LOA of 2 of higher credential. This link and explanation will be provided at the beginning and end of the VOA application process.
2. The Hosting Portals are VAAFI-protected.
3. CSP users (e.g., USAA users) will be authenticated by the CSP prior to entering VAAFI.
4. If the user’s identifier and key identity traits are not provided by the IAM Portal Strategy or MVI, the user will be directed to the VOA Anonymous and LOA 1 process.
5. The source of the application will not change how ES handles VOA applications or the interactions between ES and MVI.

### Functional Requirements for the Hosting Portal, VOA, and ES for DS Logon LOA 2 or Higher Credential User Process

This section details the requirements for the VOA DS Logon LOA 2 or Higher Credential User Process. An earlier version of these requirements was approved by the IAM IPT in December 2012.

To bring the VOA LOA 2 or Higher Credential User Process into compliance with IAM requirements, the Hosting Portal and ES will need to implement the IAM requirements listed in this section.

**Note**: The Hosting Portal will only be able to proxy add to MVI for Veterans who have logged in to the portal with a DS Logon 2 or higher credential. If a Veteran is not known in MVI and has not logged in with a DS Logon 2 or higher, he or she will be directed to the Anonymous and LOA 1 User Process.

#### Hosting Portal Determines Whether the User has Logged In with a DS Logon LOA 2 or Higher Credential

The Hosting Portal will need to determine whether the user has logged in using a DS Logon LOA 2 or higher credential. If the user logs into the portal using an LOA 2 or higher credential, the user will be directed to this process. If the user does not log in to the portal with an LOA 2 or higher credential, she/he will be directed to the VOA Anonymous and LOA 1 User Process.

**Integration Requirements**

1. The Hosting Portal shall provide users the option to log into the system using an LOA 2 or higher credential.
2. The Hosting Portal shall determine whether the user has logged in with an LOA 2 or higher credential.
3. If the user has logged into the Hosting Portal with an LOA 2 or higher credential, the user shall be directed to VAAFI.
4. If the user has entered the Hosting Portal anonymously or with an LOA 1, the Hosting Portal will direct the user to the VOA Anonymous and LOA 1 User Process detailed in Section 2.1.3.

#### Hosting Portal Determines if an ICN was Provided

The Hosting Portal will need to determine if the IAM Portal Strategy provided the ICN and key identity traits.

**Note**: The assumption is that if an ICN is returned, the Portal Strategy has provided the key identifiers and key identity traits.

**Integration Requirements**

1. The Hosting Portal shall determine if an ICN was provided in the security headers provided by VAAFI.
2. If an ICN is provided, the Hosting Portal shall provide the data to VOA as detailed in Section 2.1.2.6.
3. If an ICN is not provided, the Hosting Portal shall initiate a query of MVI as detailed in Section 2.1.2.3.

#### Hosting Portal Queries MVI for Corresponding Identifiers

If an ICN is not included in the security headers provided by VAAFI, the Hosting Portal will need to call MVI’s Get Corresponding IDs function to obtain the ICN.

**Integration Requirements**

1. The Hosting Portal shall call MVI’s Get Corresponding IDs Service to retrieve identifiers associated to a person record.
   1. The Hosting Portal shall follow the business rules defined by IAM Subject Matter Experts (SMEs) when performing a Get Corresponding IDs request. (See the References section.)
   2. The Hosting Portal request to MVI shall contain the EDIPI obtained from the DS Logon.

#### Hosting Portal Determines if an ICN Has Been Returned

The Hosting Portal will determine if an ICN has been returned by MVI. If an ICN is not returned, the Hosting Portal will initiate an Add request to MVI.

**Integration Requirements**

1. The Hosting Portal shall determine if an ICN was returned by MVI.
2. If the ICN is not returned, the Hosting Portal shall perform the Add Person functionality specified in Section 2.1.2.5.
3. If the ICN was not returned because the MVI was not available, the Hosting Portal shall direct the user to the Anonymous and LOA 1 User Process.

#### Hosting Portal Initiates Add Person Request to MVI

If MVI does not know the EDIPI provided, the Hosting Portal will call MVI’s Add Person (Implicit with Search) service to add a person and create a DoD correlation for that person in MVI. If the person already exists in MVI, MVI only creates a correlation. The DS Logon traits will be used to create the record or correlation.

**Integration Requirements**

1. The Hosting Portal shall call MVI’s Add Person (Implicit with Search) service.
   1. The Hosting Portal shall follow the business rules defined by IAM SMEs when performing an Add Person (Implicit with Search) request. (See the References section.)
   2. The Add Person (Implicit with Search) request shall consist of the following:
2. EDIPI (This will serve as the Fully Qualified Source ID and is mandatory.)
3. Last Name (This is mandatory.)
4. First Name
5. Middle Name (If available.)
6. SSN
7. Gender
8. Date of Birth
9. The Hosting Portal shall not store the ICN returned from MVI.
10. If MVI does not provide an acknowledgment that the add request was successful within the prescribed time, the Hosting Portal shall direct the user to the Anonymous and LOA 1 User Process.

#### Hosting Portal to Provide Identifier and Key Traits to VOA

Once the Hosting Portal obtains the ICN and key identity traits, it will send them to VOA through VAAFI.

**Integration Requirements**

1. The Hosting Portal shall provide the ICN to VOA.
2. The Hosting Portal shall provide key identity traits to VOA.

**Note**: The ICN and key identifier will be contained in the security headers.

#### VOA to Pre-Populate Form, Provide Form to User, and Provide Completed Form to ES

Once VOA has received the ICN and key identity traits, it will pre-populate the form and provide it to the Veteran.

**Integration Requirements**

1. VOA shall provide the user with an application pre-populated with data received from the Hosting Portal.
2. VOA shall provide the completed application and logon identifier to ES.

#### ES to Determine if an ES Correlation Exists in MVI

ES will query MVI to determine whether an ES correlation exists for the Veteran.

**Integration Requirements**

1. ES shall call MVI’s Get Corresponding IDs service to retrieve identifiers associated to a person record.
   1. ES shall follow the business rules defined by IAM SMEs when performing a Get Corresponding IDs request. (See the References section.)
   2. The ES request to MVI shall contain the EDIPI or ICN.
2. If the ES correlation exists, ES shall retrieve the correlation as detailed in Section 2.1.2.10.
3. If the ES correlation does not exist, ES shall add a correlation as detailed in Section 2.1.2.9.

#### ES to Add a Correlation (If One Does Not Exist)

If an ES correlation does not exist for the Veteran, ES will call MVI to add a correlation to an existing record in MVI.

**Integration Requirements**

1. ES shall call MVI’s Add Person (Add Correlation) Service.
   1. ES shall follow the business rules defined by IAM SMEs when performing an Add Person (Add Correlation) request. (See the References section.)
   2. The Add Person (Add Correlation) request shall consist of the following (when available):
2. Fully Qualified Source ID: (This is mandatory.)
3. Last Name (This is mandatory.)
4. First Name
5. Middle Name
6. Suffix
7. SSN
8. Gender
9. Date of Birth
10. Mother’s Maiden Name
11. Alias Name
12. Alias SSN
13. Place of Birth (City and State)
14. Address
15. Marital Status
16. Race
17. Religion
18. Email Address
19. Home Phone Number

#### ES to Review ES Correlation

If an ES correlation exists for the Veteran, ES will retrieve the correlation in order to review it and determine whether additional elements from the LOA 2 or higher credential or application form need to be added to the correlation.

**Integration Requirements**

1. ES shall call MVI’s Retrieve Person (Retrieve Correlation Profile) service.
   1. ES shall follow the business rules defined by IAM SMEs when performing a Retrieve Person request. (See the References section.)
   2. The ES Retrieve Person (Retrieve Correlation Profile) request shall contain the ICN.
2. If there are additional elements from a completed application, ES shall initiate an Update to MVI as detailed in Section 2.1.2.11.
3. If there are no additional elements from a completed application, ES shall initiate a Proxy Add to VistA as detailed in Section 2.1.2.12.

#### ES to Update Person

After reviewing the ES correlation returned by MVI, ES will determine whether additional elements or traits from the VOA application form need to be added to the correlation. For example, Mother’s Maiden Name is not provided by LOA 2 or higher credential, but may be included in the VOA application form. If additional elements need to be added to the correlation, ES will send MVI an update request.

**Integration Requirements**

1. ES shall call MVI’s Update Person service to update a person correlation in MVI.
   1. ES shall follow the business rules defined by IAM SMEs when performing an Update Person (in MVI) request. (See the References section.)
   2. The Update Person request shall, at a minimum, include the following elements:
2. ICN
3. Last Name (This is mandatory.)
4. ES shall have the capability to receive an acknowledgment message from the MVI service. (The MVI acknowledgment message notifies of success or failure of the update.)
5. ES shall have the capability to receive a rejection message from MVI (in the event the update cannot be accepted by the MVI service).

**Note**: If MVI rejects an update to a field that ES keeps in sync with MVI, MVI subsequently sends a message to ES telling it to revert the field back to the value in Primary View.

1. ES shall have the capability to receive an error message from the MVI service (in the event the update is determined by the MVI service to be erroneous (i.e., it may result in a potential identity change)).

#### ES to Proxy Add to VistA

If the VOA application form includes a preferred facility for the Veteran and there is not a preferred facility correlation in the MVI record, ES will request creation of a preferred VistA correlation. After MVI receives and verifies the accuracy of the incoming request, it initiates an Add Person to the VistA site/facility. Upon receipt of acknowledgment that the person was successfully added to the VistA site/facility, MVI creates a correlation for the person in MVI. MVI returns an acknowledgment to ES that the person was successfully added to the VistA site/facility. The acknowledgment message includes the VistA Source ID for the added person record.

**Integration Requirements**

1. ES shall call MVI’s Add Person (Proxy Add to VistA) service.
   1. ES shall follow the business rules defined by IAM SMEs when performing an Add Person (Proxy Add to VistA) request. (See the References section.)
   2. The ES request shall contain the following traits/information:

* ICN
* First Name
* Middle Name (If available.)
* Last Name
* SSN (If null, a pseudo SSN reason must be included.)
* Gender
* Date of Birth
* Station Number (for the facility where the Add happens)
* Patient Type
* Veteran (Y/N)
* Service Connected (Y/N)

**Note**: MVI provides ES an acknowledgment that the person was successfully added to the VistA site/facility. The acknowledgment contains a fully qualified identifier (i.e., VistA Source ID) for the added person record.

Figure 1 illustrates the DS Logon VOA LOA 2 or Higher Credential User Process.

DS Logon VOA LOA 2 or Higher Credential User Process Figure

Figure : DS Logon VOA LOA 2 or Higher Credential User Process

### Functional Requirements for VOA and ES for AccessVA User

To bring the VOA for AccessVA Users Process into compliance with IAM requirements, VOA will need to implement the IAM requirements listed in this section.

**Note**: There is no direct interaction between VOA and MVI for this process.

#### VOA Receives and Validates VAAFI HTTPS Session

In order to obtain the key identifiers and key identity traits, VOA will have to validate the VAAFI headers.

**Integration Requirements**

1. VOA shall have the capability of receiving a VAAFI https session with security headers.
2. VOA shall have the capability of validating the data in the VAAFI https session.

**Note**: Additional VAAFI-related specifications are included in Section 3.7 Security Specifications.

1. VOA shall determine if the VAAFI data includes the SEC ID.

**Note**: The assumption is that if VOA has received a SEC ID, then the Portal Strategy has provided the key identifiers and key identity traits. VOA will use the traits provided to pre-populate the form and provide it to the Veteran.

1. If the SEC ID is included, VOA shall provide the user with an application that is pre-populated with data via VAAFI.
2. If the SEC ID is not included, VOA shall direct the user to the Anonymous and LOA 1 User Process.

#### VOA Provides Form and SEC ID to ES

Once the form has been completed, VOA will provide it to ES along with the SEC ID obtained from the Portal Strategy.

**Integration Requirements**

1. VOA shall provide the completed application to ES.
2. VOA shall provide SEC ID to ES.

**Note**: ES’s interactions with MVI in managing the VOA application are detailed in Section 2.1.2.

Figure 2 illustrates the VOA-MVI Integration for AccessVA Users Process.



Figure : VOA-MVI Integration for AccessVA Users Process Activity Diagram

### Functional Requirements for Hosting Portal, VOA, and ES for Anonymous and LOA 1 Process

This section details the requirements for the VOA Anonymous and LOA 1 User Process. To bring the VOA Anonymous and LOA 1 Users Process into compliance with IAM requirements, the Hosting Portal, VOA, and ES will need to implement the IAM requirements listed in this section.

This section assumes that the user has already been directed to the VOA Anonymous and LOA 1 User Process (as detailed in Sections 2.1.2 and 2.1.3).

**Note**: The requirements listed in this section include the high-level requirements outlined in the VOA Anonymous and Level of Assurance 1 User Request Process Agreement (see Attachment B). Additional requirements can be found in the VOA requirements documents.

#### VOA Provides Blank Application to User

VOA will provide the Anonymous and LOA 1 user with a blank (not pre-populated) application, and once complete, forward it to ES.

**Integration Requirements**

1. VOA shall provide Anonymous and LOA 1 users a brief explanation of the benefits of obtaining an LOA 2 or higher credential, along with a link to AccessVA, before providing an application.
2. VOA shall provide the Anonymous and LOA 1 users a blank (not pre-populated) application.
3. VOA shall provide Anonymous and LOA 1 users a brief explanation of the benefits of obtaining an LOA 2 or higher credential, along with a link to AccessVA, after the user has completed and submitted an application.
4. VOA shall forward the completed application to ES.

#### ES Validates the Completed Application

ES will validate the application and interact with MVI to process the Anonymous and LOA 1 application.

**Note**: The requirements in these sections do not include all the ES activities required to process the application.

**Integration Requirements**

1. ES shall send an acknowledgment to the user (applicant) that an application has been received.
2. ES shall perform a validation on the application.
3. ES shall determine if the application included an identifier.

#### ES Determines if there is an MVI Record for the Applicant

ES will query MVI to determine if MVI knows the applicant. If an identifier is included in the application request, ES will call MVI’s Retrieve Person (Returning Corresponding IDs) service. If an identifier has not been included, ES will call MVI’s Search for Person (Unattended, Returning Corresponding IDs) service.

**Integration Requirements**

1. If the application included an identifier, ES shall call MVI’s Retrieve Person (Returning Corresponding IDs) service.
   1. ES shall follow the business rules defined by IAM SMEs when performing a Retrieve Person (Returning Corresponding IDs) request. (See the References section.)
   2. ES’s Retrieve Person (Returning Corresponding IDs) request for a Primary View profile shall contain a fully qualified identifier (e.g., ICN, EDIPI).
   3. ES’s Retrieve Person (Returning Corresponding IDs) request shall include an indicator that ES is interested in obtaining data from the VBA Corporate Database, Beneficiary Identification Records Locator System (BIRLS), and DoD (DEERS).

**Note**: If a record is found, the process follows the same steps as the DS Logon VOA LOA 2 or Higher Credential User Process. This will include calling MVI’s Add Person (Add Correlation) service, Update Person service, or Proxy Add to VistA service, if necessary.

1. If the application did not include an identifier, or if the Retrieve Person (Returning Corresponding IDs) request did not return a record, ES shall call MVI’s Search for Person (Unattended, Returning Corresponding IDs) service.
   1. ES shall follow the business rules defined by IAM SMEs when performing a Search for Person (Unattended, Returning Corresponding IDs) in MVI. (See the References section.)
   2. ES shall include the following identity elements to search MVI:

* First Name
* Last Name
* SSN
* Date of Birth
* Gender
  1. ES’s Search for Person (Unattended, Returning Corresponding IDs) request shall include an indicator that ES is interested in obtaining data from the VBA Corporate Database, BIRLS, and DoD (DEERS).

Note: ES will need to determine in which release it will start using MVI’s extended search of uncorrelated systems functionality.

Figure 3 illustrates several possible scenarios showing how search traits can be combined in a search query to find a person in MVI using the Search for Person (Unattended). The figure does not depict all possible trait combinations that return an Unattended Search result.

Unattended Search Sample Scenarios Figure

Figure : Unattended Search Sample Scenarios

**Note**: MVI will return a Search Token as part of its response to the Retrieve Person (Returning Corresponding IDs) or Search for Person (Unattended, Returning Corresponding IDs) request. The Search Token will be needed as part of ES’s Add Person (Explicit with No Search) request.

1. ES shall determine if the response from MVI includes the user (applicant) record.

**Note**: If a match is found, the process follows the same steps as the DS Logon VOA LOA 2 or Higher Credential User Process. This will include calling MVI’s Add Person (Add Correlation) service, Update Person service, or Proxy Add to VistA service, if necessary.

1. If the MVI does not return the user (applicant) record, ES shall call MVI’s Add Person (Explicit with No Search) service to add a person and create an ES correlation for that person in MVI.
   1. ES shall follow the business rules defined by IAM SMEs when performing an Add Person (Explicit with No Search) request. (See the References section.)
   2. The Add Person (Explicit with No Search) request shall include, at a minimum, the following traits:

* Last Name
* First Name
* Gender
* Date of Birth

4.3 The Add Person (Explicit with no Search) request shall use the “Use ICN” key in place of the Source ID.

4.4 The Add Person (Explicit with no Search) request shall include the Search Token provided by MVI as part of ES’s earlier Retrieve Person or Search for Person (Unattended) request.

**Note**: The Add Person request shall add the person with an ID state of Permanent.

1. ES shall determine if the response from MVI includes an identifier for a 200ESR correlation.

If the response does not include a 200ESR correlation, ES will call MVI to add a correlation to an existing record in MVI. (See Step 6.)

If the response includes a 200ESR correlation, ES will retrieve the 200ESR correlation from MVI. (See Step 7.)

1. ES shall call MVI's Add Person (Add Correlation) Service.

6.1 ES shall follow the business rules defined by IAM Subject Matter Experts (SMEs) when performing an Add Person (Add Correlation) request. (See References section)

6.2 The Add Person (Add Correlation) request shall consist of the following:

* ICN
* Last Name (This is mandatory)
* First Name
* Middle Name (if available.)
* SSN
* Gender
* Date of Birth

7 MVI shall call MVI’s Retrieve Person (Retrieve Correlation Profile) Service.

7.1 ES shall follow the business rules defined by IAM SMEs when performing a Retrieve Person (Retrieve Correlation Profile) request. (See References section)

7.2 The ES Retrieve Person (Retrieve Correlation Profile) request shall contain the ICN.

8 ES shall determine if the 200ESR correlation needs to be updated with information from the VOA application.

9 If there are updates or additional elements that need to be added to the correlation, ES shall call MVI’s Update Person service to update a person correlation in MVI.

9.1 ES shall follow the business rules defined by IAM SMEs when performing an Update Person (in MVI) request. (See the References section.)

9.2 The Update Person request shall, at a minimum, include the following elements:

a. ICN

b. Last Name (This is mandatory.)

9.3 ES shall have the capability to receive an acknowledgment message from the MVI service. (The MVI acknowledgment message notifies of success or failure of the update.)

9.4 ES shall have the capability to receive a rejection message from MVI (in the event the update cannot be accepted by the MVI service).

**Note**: If MVI rejects an update to a field that ES keeps in sync with MVI, MVI subsequently sends a message to ES telling it to revert the field back to the value in Primary View.

9.5 ES shall have the capability to receive an error message from the MVI service (in the event the update is determined by the MVI service to be erroneous (i.e., it may result in a potential identity change)).

Once ES has determined an Enrollment Status for the record, it will call MVI’s Add Person (Proxy Add to VistA) Service to add a person to a VistA site/facility (e.g., VAMC). After MVI receives and verifies the accuracy of the incoming request, it initiates an Add Person to the VistA site/facility. Upon receipt of acknowledgment that the person was successfully added to the VistA site/facility, MVI creates a correlation for the person in MVI. MVI returns an acknowledgment to ES that the person was successfully added to the VistA site/facility. The acknowledgment message includes the VistA Source ID for the added person record.

1. ES shall call MVI’s Add Person (Proxy Add to VistA) Service.

10.1 ES shall follow the business rules defined by IAM Subject Matter Experts (SMEs) when performing an Add Person (Proxy Add to VistA) request (see the References section).

10.2 ES’s request shall contain the following traits/information:

* + ICN
  + First Name
  + Middle Name (if available)
  + Last Name
  + SSN (if null, a pseudo SSN reason must be included)
  + Gender
  + Date of Birth
  + Station Number (for the facility where the Add happens)
  + Patient Type
  + Veteran (Y/N)
  + Service Connected (Y/N)

**Note**: MVI provides ES an acknowledgment that the person was successfully added to the VistA site/facility. The acknowledgment contains a fully qualified identifier (i.e., VistA Source ID) for the added person record.

#### VOA to Ensure the Application is Protected from Malicious Attack

VOA will implement the requirements in this section to ensure the Anonymous and LOA 1 process is protected from the submittal of excessive bogus applications, denial of service attacks, or other malicious activities.

**Integration Requirements**

1. VOA shall employ a GUID method to assign a web session of a specific VOA applicant/user, to ensure that the application is being generated by a human being and to restrict the number of times an application can be submitted.

#### VOA Anonymous and LOA 1 Application Process User Activity Diagram

The interactions between the Hosting Portal, VOA, ES, and MVI are depicted in Figure 4.

****

Figure : VOA Anonymous and LOA 1 User Application Process Activity Diagram

## Functional Requirements for IAM

The IAM functional requirements for the VOA integration are identified in this section. IdS/AcS provides the functionality detailed below.

### Portal Strategy Requirements for VOA Processes

The IAM Portal Strategy will proxy https sessions received from VAAFI-protected Hosting Portals in accordance with IAM requirements.

**Requirements**

1. The IAM Portal Strategy shall support messaging requests from VAAFI-protected Hosting Portals.

### MVI Requirements for VOA DS Logon LOA 2 or Higher Credential User Process

MVI will provide the following functionality for the VOA LOA 2 or Higher Credential User Process.

#### Get Corresponding IDs for Hosting Portals

**Requirements**

1. MVI shall support Get Corresponding IDs requests from Hosting Portals.

#### Add Person (Implicit Add) for Hosting Portals

**Requirements**

1. MVI shall support Add Person (Implicit Add) requests from Hosting Portals.

#### Get Corresponding IDs for ES

**Requirements**

1. MVI shall support Retrieve Person (Retrieve with Corresponding IDs) requests from ES.

#### Add Person (Add Correlation) for ES

**Requirements**

1. MVI shall support Add Person (Add Correlation) requests from ES.

#### Retrieve Person (Retrieve Correlation Profile) for ES

**Requirements**

1. MVI shall support Retrieve Person (Retrieve Correlation Profile) requests from ES.

#### Update Person for ES

**Requirements**

1. MVI shall support Update Person requests from ES.

#### Add Person (Proxy Add to VistA) for ES

**Requirements**

1. MVI shall support Add Person (Proxy Add to VistA) requests from ES.

### IAM Requirements for VOA Anonymous and LOA 1 User Process

MVI will provide the following functionality for the VOA Anonymous and LOA 1 User Process.

#### Retrieve Person for ES

**Requirements**

1. MVI shall support Retrieve Person requests from ES.

**Note**: MVI will need to provide a Search Token to ES as part of the return.

#### Search for Person (Unattended) for ES

**Requirements**

1. MVI shall support Search for Person (Unattended) requests from ES.

**Note**: MVI will need to provide a Search Token to ES as part of the return.

#### Add Person (Explicit) for ES

**Requirements**

1. MVI shall support Add Person (Explicit with No Search) requests from ES.

#### Add Person (Add Correlation)

**Requirements**

1. MVI shall support Add Person (Add Correlation) requests from ES.

#### Retrieve Person (Retrieve Correlation Profile) for ES

**Requirements**

1. MVI shall support Retrieve Person (Retrieve Correlation Profile) requests from ES.

#### Proxy Add Person to VistA for ES

**Requirements**

1. MVI shall support Proxy Add Person to VistA requests from ES.

# Other Specifications

## Business Rules Specifications

The business rules specifications for this integration are reflected in the Functional Requirements section of this document.

## Design Constraints Specifications

The design constraints specifications are identified in the Functional Requirements section of this document and in the following documents:

* MVI Service Description Document
* AcS Application Integration Guide - External
* AcS Interface Control Documents

## Disaster Recovery Specifications

There are no disaster recovery specifications for the ES integration with IAM services. The IdS disaster recovery specifications include the following:

* The disaster recovery specifications are detailed in the Person Service Identity Management (PSIM) Continuity of Operations Plan (COOP), Master Patient Index(MPI) COOP, and Austin Information Technology Center (AITC) Master Disaster Recovery Plan. These documents are protected and stored securely in the VA Security Management and Reporting Tool (SMART) system.

The AcS disaster recovery specifications include the following:

* The AcS solution is hosted by Terremark and leverages the Disaster Recovery Plan and Concept of Operations (CONOPS) to support the systems that require continuous availability.

## Performance Specifications

VOA estimates the following:

* Volume: 175,000 applications per year
* Estimated growth rate: 22 percent a year for the next 3–5 years

## Quality Attributes Specifications

The Hosting Portal and ES shall be required to conform to all IAM design and coding standards.

The IAM, Hosting Portal, and ES integration teams shall comply with the quality specifications set forth by the VA IAM Project Management Plan, Section 5 Quality Management Approach.

IAM, Hosting Portals, and ES shall participate in the following activities to ensure the quality of the system:

* Acceptance and baseline of the iRSD
* Change control
* Unit testing
* Integration/functional testing
* User acceptance testing

The following quality processes are followed:

1. Stakeholder Review and Oversight

The Hosting Portal and ES Development teams shall include both IAM business and technical representatives as stakeholders for approval of the IAM-related detailed requirements and design.

1. Requirements Management Traceability

The IAM portion of the Hosting Portal and ES detailed system and user interface requirements and design specifications shall be traceable back to this iRSD.

1. Change Control

The baselined version of this iRSD is stored in IBM Rational ClearCase. Changes to this iRSD shall be accomplished by creating an IAM change request (CR) and shall follow standard Program Management Accountability System (PMAS) approval processes.

1. Integration Testing

The testing environments for VOA will be determined during the design phase.

**Note**: An integration test schedule needs to be developed to identify the test environment.

## Reliability Specifications

There are no reliability specifications for the VOA integration.

The IAM reliability specifications are identified in the table below.

| **Service Availability Level 4** | |
| --- | --- |
| **Description** | Mission Critical Information |
| **Minimum Availability** | 99.9%. |
| **Maximum Downtime per Month** | 43 minutes. |
| **Business Value** | Essential to fundamental business operations; outage seriously impairs functioning of business. |
| **Operational Hours** | Required 24 hours a day, every day. |
| **Significant Outage** | More than 5 minutes of downtime is considered significant at any time and requires an Automated Notification Report (ANR) to be sent to the appropriate teams. |
| **Outage Impact** | Interruption of service may result in severe financial, regulatory, patient safety, patient health, or other business issues. |
| **Scheduled Maintenance** | Scheduled maintenance must provide continuity of service availability with minimal interruption. |

## Security Specifications

To be IAM compliant for the VOA integration, the Hosting Portals and ES need to meet the requirements listed below.

1. The Hosting Portals and ES shall conform to the VA security standards detailed in VA Handbook 6500 Information Security Program.
2. To ensure the Anonymous and LOA 1 process is protected from the submittal of excessive bogus applications, denial of service attacks, or other malicious activities, VOA shall satisfy and security reviews and obtain all necessary security approvals.
3. The Hosting Portals and ES shall follow VA Authentication Federation Infrastructure (VAAFI) standards when interacting with the Master Veteran Index (MVI) and Veterans Health Identification Card (VHIC), Identity Proofing (IP), eSignature (eSig), and Provisioning (PROV). VAAFI is the security framework between these IAM services, the Hosting Portals, and ES.
4. Before invoking calls, the Hosting Portals and ES shall register with the IAM Development team in accordance with the guidance from the standard process for IAM integration via the AcS Application Integration Guide - External document.

# Attachment A: Approval Signatures

REVIEW DATE: <mm/dd/yyyy>

Signed: *Mike Carr* Date: mm/dd/yyyy

*<Program Manager, Benefits Assistance Service>*

Signed: *Courtney Swenson* Date: mm/dd/yyyy

*<OIT eBenefits Program Manager>*

Signed: *Brad Radichel* Date: mm/dd/yyyy

<*Associate Director, CBO*>

Signed: *Bill Wigton* Date: mm/dd/yyyy

<*VOA Project Manager*>

Signed: *Dan Soraoka* Date: mm/dd/yyyy

*<OIT ES Project Manager>*

Signed: *Sara Temlitz* Date: mm/dd/yyyy

<*Data Quality Business Product Manager*>

Signed: *Jeff Podolec* Date: mm/dd/yyyy

<*IT Program Manager*>

Signed: *Jerry Wharton* Date: mm/dd/yyyy

<*AcS Project Manager*>

Signed: *David Wulf* Date: mm/dd/yyyy

<*Business Sponsor, IAM Business Program Management Office*>

Signed: *Jeff Kemple* Date: mm/dd/yyyy

<*IAM Integration Project Manager*>

Signed: *Nathan Pope* Date: mm/dd/yyyy

<*IdS Program Manager*>

# Attachment B: Approval Signatures for Release 2.0 (August 2014)

REVIEW DATE: <mm/dd/yyyy>



Signed: *Mike Carr* Date: 09/08/2014

*<Program Manager, Benefits Assistance Service>*



Signed: *Courtney Swenson* Date: 09/08/2014

*<OIT eBenefits Program Manager>*



Signed: *Brad Radichel* Date: 08/20/2014

<*Associate Director, CBO*>



Signed: *Bill Wigton* Date: 08/26/2014

<*VOA Project Manager*>



Signed: *Dan Soraoka* Date: 08/26/2014

*<OIT ES Project Manager>*



Signed: *Sara Temlitz* Date: 08/29/2014

<*Data Quality Business Product Manager*>



Signed: *Jeff Podolec* Date: 08/20/2014

<*IT Program Manager*>



Signed: *Jerry Wharton* Date: 08/26/2014

<*AcS Project Manager*>



Signed: *David Wulf* Date: 08/20/2014

<*Business Sponsor, IAM Business Program Management Office*>



Signed: *Jeff Kemple* Date: 08/26/2014

<*IAM Integration Project Manager*>



Signed: *Nathan Pope* Date: 08/20/2014

<*IdS Program Manager*>

# Attachment C: Approval Signatures for Release 1.0 (February 2012)



Signed: *Elizabeth Franchi* Date: 01/29/2013

*<Integrated Project Team (IPT) Chair>*



Signed: *Mike Carr* Date: 12/19/2012

<*Program Manager, Benefits Assistance Service*>



Signed: *Courtney Swenson* Date: 01/03/2013

*<OIT eBenefits Project Manager>*



Signed: *Brad Radichel* Date: 12/18/2012

*<Associate Director, CBO>*



Signed: *Dan Soraoka* Date: 12/19/2012

*<OIT VOA Project Manager>*



Signed: *Glenda Miller* Date: 12/18/2012

*<OIT ES Project Manager>*



Signed: *Michelle Rowe* Date: 01/03/2013

*<VRM PMO Deputy Director, Program & Process Management>*



Signed: *Sara Temlitz* Date: 12/19/2012

*<HC IdM Business Product Manager>*



Signed: *Jeff Podolec* Date: 01/02/2013

*<IT Program Manager>*



Signed: *Greg St. Julien* Date: 12/19/2012

*<Project Manager>*

**

Signed: *David Wulf* Date: 01/23/2013

*<OIS Business Process Management Office>*

# Attachment C: MVI Extended Search to BIRLS, Corp and DoD (Orchestration) Activity Diagrams

Figure 5 illustrates the interactions between a consuming application (like ES), MVI, BGS, BIRLS, Corp and DoD for the Search for Person (Unattended, Returning Corresponding IDs) Extended Search to BIRLS, Corp and DoD process.

MVI Search for Person (Unattended, Returning Corresponding IDs) Extended Search to BIRLS, Corp and DoD Activity Diagram Figure

Figure : MVI Search for Person (Unattended, Returning Corresponding IDs) Extended Search to BIRLS, Corp and DoD Activity Diagram

Figure 6 illustrates the interactions between a consuming application (like ES), MVI, BGS, BIRLS, Corp and DoD for the Retrieve Person (Returning Corresponding IDs) Extended Search to BIRLS, Corp and DoD process.



Figure : MVI Retrieve Person (Returning Corresponding IDs) Extended Search to BIRLS, Corp and DoD Activity Diagram