

**Technical Story Number:** TS006.01.1

**Technical Story Name:** Retrieve Health Coverage for CMS

**Priority:** High

**ClearQuest Number:** DAS\_CR341

**Author:** David Ellis / Developer

**Story:** As the Centers for Medicare and Medicaid Services (CMS) Hub I want to send a query to the Virtual Lifetime Electronic Record (VLER) Data Access Services (DAS) for information on the Affordable Care Act (ACA) applicant's Department of Veterans Affairs (VA) systems coverage so that the CMS Hub can determine if the applicant meets the ACA Minimal Essential Coverage (MEC) requirement.

### Revision History

Date	Version	Description	Author
11/30/2012	v0.01	Original. Filled in User Story Acceptance Criteria.	David Ellis
12/04/2012	v0.02	Filled in References, Actors, Preconditions, Flow, Postconditions.	George Ludgate
12/06/2012	V0.03	Added brief VLER Gateway design descriptions.	David Ellis
12/10/2012	v0.04	Technical Writer Review	Nancy Burak
12/12/2012	v0.05	Adjustments from review	David Ellis
12/14/2012	v0.06	Scrum team review	David Ellis
12/14/2012	v1.0	Approved	Cam Moore
12/18/2012	v1.1	Spelled out specific file name for Third Party documentation (CMS ICD)	Nancy Burak

### Reference Documentation

1. US006.01 - Retrieve Health Coverage for CMS, v1.0.
2. VHA/ACA Integration Initiative, Interface Control Document, v0.3, Centers for Medicare & Medicaid Services, 11/26/2012.  
(DSH\_INT\_ICD\_Hub\_VHA\_11262012.doc found at the following location:  
<http://vaww.oed.portal.va.gov/products/vler/FIST/das/Third%20Party/Forms/AllItems.aspx?RootFolder=%2Fproducts%2Fvler%2FFIST%2Fdas%2FThird%20Party%2FACA%20Affordable%20Care%20Act&FolderCTID=0x01200046F7F32B7C577B4E96310A7F44B09EE5&View={71985E67-17FB-4C9E-A46F->

[DC890EF01516}&InitialTabId=Ribbon%2EDocument&VisibilityContext=WSSTabPersistence](#)

3. ACA WSDL (Web Services Description Language) specification and schemas from VIERS group. Packaged as Zip file (TS006.01.1 WSDL and schemas from VIERS.ZIP) accompanying this Technical Story document.

## Overview

This Technical Story implements the Business Requirements listed in the following User Stories:

1. US006.01 - Retrieve Health Coverage for CMS v1.0

User Story Requirement ID	Description	Technical Story Coverage (Yes/No/Partial)
US006.01.01	VLER DAS sends the CMS Hub request for health coverage information to VIERS.	Yes
US006.01.02	VLER DAS sends the VIERS health coverage information response to the CMS Hub.	Yes

## Actors

The following applications collaborate to meet the business requirements:

1. CMS Hub (consumer)
2. VLER Gateway
3. VIERS (Veteran Identity/Eligibility Reporting System) (producer)

## Preconditions

1. All actors must be running.
2. The CMS Hub must have network access to VLER gateway over the Internet
3. The VLER Gateway must have network access to VIERS over the VA Wide Area Network (WAN).

## Detailed Flow within System

### Detailed Flow through CMS Hub.

The CMS Hub makes a request to VA for details of eligibility on behalf of an ACA Applicant. The reply will contain an enrollment status of APPLICANT\_ENROLLED, APPLICANT\_NOT\_ENROLLED or APPLICANT\_NOT\_FOUND. Some applicants will be veterans, but for those who are not, it is likely that VIERS will not be able to identify them, and in this case VA will return a status of APPLICANT\_NOT\_FOUND to CMS.

The CMS request and response conform to the ICD (Reference #2).

CMS performs the following:

1. CMS creates a SOAP (Simple Object Access Protocol) request for information from VA, specifying a given ACA Applicant.
2. CMS sends the request to VLER Gateway in a synchronous web service call.
3. CMS receives back a return value from the web service call as a response to the request.

**Note:** All CMS internal processing is outside the scope of this Technical Story.

### **Detailed Flow through VLER Gateway**

The CMS request and response conform to the ICD (Reference #2).

The web service call from CMS, and its entire SOAP message, is passed to VIERS unchanged except for host addressing. The VIERS interface is to be the same as that of the VLER Gateway for this request. The synchronous response back from VIERS is passed back to CMS unchanged.

The VIERS request and response conform to Reference #3.

VLER Gateway performs the following:

1. Gateway receives a synchronous web service request.
2. Gateway obtains the entire SOAP request.
3. Gateway creates the web service request to VIERS.
4. Gateway performs a synchronous web service call to VIERS using the above request.
5. Gateway receives back a return value from the web service call as a response to the request.
6. Gateway obtains the entire SOAP response.
7. Gateway creates a response to the CMS request.
8. Gateway returns a reply to the incoming CMS request, as a response.

The design of the VLER Gateway uses a BPM (Business Process Management) component pattern. A web server object (belonging to a new class derived from the VIERS WSDL) receives requests from CMS and processes them through a new ACA gateway component. The component has a SOAP service invoker that is configured with an endpoint address specified in a DAS properties file. The service invoker passes the SOAP request to VIERS, receives the synchronous response and returns it to the component and in turn to the VLER Gateway. The VLER Gateway returns the response to CMS.

### **Detailed Flow through VIERS.**

The VIERS request and response conform to Reference #3.

VIERS performs the following:

1. VIERS receives a SOAP request from the VLER Gateway
2. VIERS constructs a SOAP response.
3. VIERS returns the response to the VLER Gateway.

**Note:** All VIERS internal processing is outside the scope of this Technical Story.

#### Post Conditions

1. All the preconditions
2. CMS has received back a response to their request for data on behalf of a given ACA Applicant.

#### Alternate Flow

None

#### Alternate Flow Post Conditions

N/A

#### Detailed Listing of Acceptance Criteria

Requirement ID	Description
TS006.01.1.01	VLER DAS receives a SOAP request for ACA enrollment status from the CMS Hub.
TS006.01.1.02	VLER DAS forwards the SOAP request to VIERS.
TS006.01.1.03	VLER DAS receives a SOAP response from VIERS.
TS006.01.1.04	VLER DAS returns the SOAP response to the CMS Hub.

#### Dependencies and Assumptions

Any changes to the WSDL, associated schema or the Interface Control Document (ICD) may be regarded as changes to the requirements for CMS ACA requests. If the requirements change, that may necessitate additional future work to change our code and documentation accordingly.