

**VA OI&T Data Access Services (DAS)  
Core Phase I**

**Data Access Services (DAS) LENS Outbound ICD**



**V10.0**

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# 1. Introduction

This Interface Control Document (ICD) presents the software interface requirements between VLER DAS LENS (Lifetime Event Notification Service) and Partner applications.

For the purpose of this ICD, Partner applications are defined as those applications approved to receive notification for the events in VLER DAS. These include external consumers as well as internal consumers.

In this ICD “external” means “external to the Department of Veterans Affairs (VA) network” while “internal” means “on the VA network”. External Partner’s applications are those applications running external to the VA but interfacing to the LENS to exchange data with VA internal systems.

## 1.1. Purpose

The purpose of the Interface Control Document is to specify interface requirements to be met by the participating systems. It describes the concept of operations for the interface, defines the message structure and protocols which govern the interchange of data and identifies the communication paths along which the data is expected to flow.

## 1.2. Scope

This Interface Control Document specifies the interface(s) between LENS and Partner applications. For the scope of this document Partner applications are limited to VA Compensation and Pension Record Interchange System (CAPRI), eCFT, VBMS, Vendor Exam Notification, Disability Exam and Assessment Program (DEAP), and Pending Under Review (PUR) systems. The word “Partner application” will be used to refer both “eCFT” and “VBMS” systems in this document. System name (i.e. CAPRI, eCFT, VBMS, Vendor Exam, DEAP, or PUR) will be used to mention any specific references to any particular system. It is intended for all parties requiring such information, including software developers, system designers and testers responsible for implementing the interface.

## 1.3. System Identification

### 1.3.1. LENS

The Lifetime Event Notification Service (LENS) is an application in VLER DAS which creates notifications for the events (example: eCRUD storage events) and makes them available for the consumers.

System	Details
Identification number	LENS
Title	Lifetime Event Notification Service
Abbreviation	LENS

System	Details
Version number	
Release number	
Point of Contact	VLER PMO
Vendor [optional]	

### 1.3.2. Partner Applications

The details of Partner's applications currently subscribed to receive LENS notifications are as follows:

System	Details
Identification number	eCFT
Title	Electronic Case File Transfer
Abbreviation	eCFT
Version number	
Release number	
Point of Contact	
Vendor [optional]	

System	Details
Identification number	VBMS
Title	Veteran Benefits Management System
Abbreviation	VBMS
Version number	
Release number	
Point of Contact	
Vendor [optional]	

<b>System</b>	<b>Details</b>
Identification number	Vendor Exam Notification
Title	Vendor Exam Notification
Abbreviation	Vendor Exam
Version number	
Release number	
Point of Contact	
Vendor [optional]	

<b>System</b>	<b>Details</b>
Identification number	CAPRI
Title	VA Compensation and Pension Record Interchange
Abbreviation	CAPRI
Version number	
Release number	
Point of Contact	
Vendor [optional]	

<b>System</b>	<b>Details</b>
Identification number	DEAP
Title	VA Disability Exam and Assessment Program
Abbreviation	DEAP
Version number	
Release number	
Point of Contact	

Vendor [optional]	
-------------------	--

System	Details
Identification number	PUR
Title	VA Pending Under Review
Abbreviation	PUR
Version number	
Release number	
Point of Contact	
Vendor [optional]	

## 1.4. Operational Agreement

This ICD is maintained by the VLER PMO. Requested changes to the interfaces described in this document, or to just this document itself, are to be submitted to the VLER PMO for consideration. Changes that materially affect the implementation of systems, applications, or services maintained by separate VA or DoD program offices will be escalated to the appropriate governing board.

## 1.5. Standards and References

This ICD makes use of the following standards and approaches:

- a) The Atom Syndication Format standard, RFC 4287: <http://tools.ietf.org/html/rfc4287>
- b) The Atom Publishing Protocol, RFC 5023: <http://tools.ietf.org/html/rfc5023>
- c) Hypertext Transfer Protocol – HTTP/1.1, RFC 2616: <http://tools.ietf.org/html/rfc2616>

## **2. Interface Definition**

This software interface will provide the necessary data exchange between LENS and partner applications to facilitate the exchange of event notifications.

### **2.1. System Overview**

LENS provides an interface to publish notifications for Partner application about VLER DAS events to consumers. For external partners the notifications can be sent through the VLER Client Gateway to a RESTful HTTPS application or are placed on a JMS queue for approved subscribers.

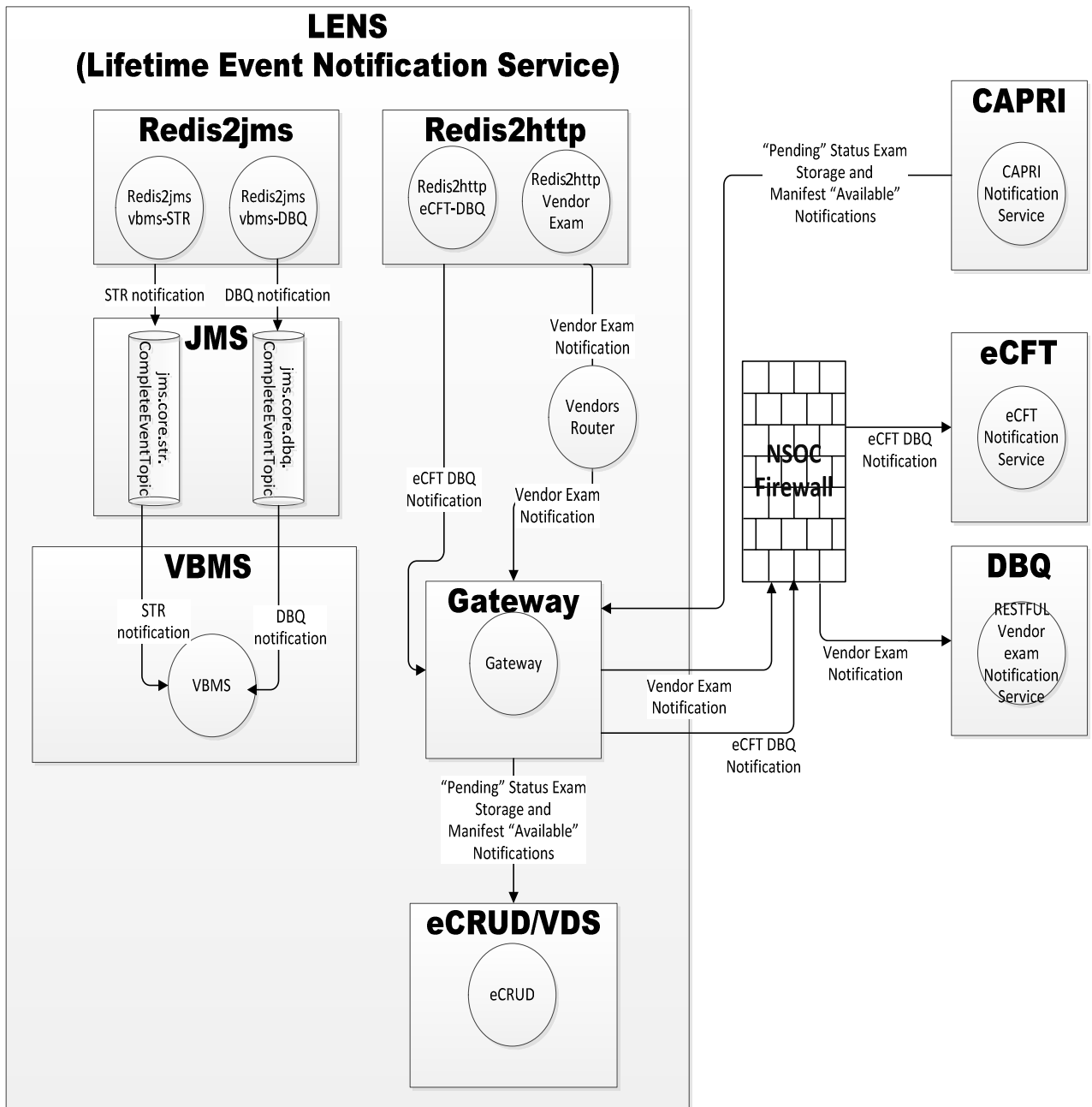


Figure 1 -- LENS Interface Diagram

## 2.2. Interface Overview

LENS supports the following event notifications

- **LENS – eCFT DBQ Notification** for the eCRUD database storage of new Disability Benefits Questionnaire (DBQ) documents (a.k.a. “Exam Results”, “cpExams”).
- **LENS – VBMS DBQ Notification** for the eCRUD database storage of new Disability Benefits Questionnaire (DBQ) documents (a.k.a. “Exam Results”, “cpExams”).
- **LENS – VBMS STR Notification** for storage of new “Certified” Service Treatment Record documents (STR) in the VLER Data Store.
- **LENS – Vendor Exam Result Notification** for the Exam Result documents (a.k.a. “Rejected”).
- **LENS – Vendor Exam Request Notification** for the Exam Request documents (a.k.a. “Notify Vendor DBQ Exam Request Available”).
- **LENS – Vendor(CUI) Exam Request Available Notification for the Exam Request document**(a.k.a “Notify Vendor(CUI) Exam Request Available”).
- **LENS -- Exam Result Available Status “Pending-Under Review” Notification.**
- **LENS -- Exam Result “Manifest Available” Notification.**
- **LENS – VBMS Exam Status Update Notification**
- **LENS – VBMS Contention Status Update Notification**
- **LENS – DEAP Exam Request Initiation Notification** for the Exam Request Initiation documents (a.k.a. “Notify DEAP DBQ Exam Request Initiation Available”).

## 2.3. Data Transfer

LENS currently supports sending the DBQ notifications using either the POST method of Hypertext Transfer Protocol Secure (HTTPS) or a JMS messaging interface; or else storing other types of Notifications via HTTPS into VDS for later retrieval via the eCRUD RESTful interface.

## 2.4. Transaction Types

This interface will not require any transactions types.

## 2.5. Data Exchanges

- For DBQs to VBMS

LENS will send the DBQs notifications in Atom feed syndication format .The Atom feed content element contains the DBQ Preview (XML) which is derived from the transformed NIEM Claim Object associated with that DBQ in eCRUD.

The Atom entry section contains a second pass link to each attachment.

- For STRs to VBMS

LENS will send the STR notifications in Atom feed syndication format. The Atom feed's content element contains the VLER Data Store meta data associated with that Service Treatment Record in eCRUD.

- For DBQs to eCFT

LENS will send the DBQs notifications in Atom feed syndication format. The Atom feed's content element contains the DBQ meta data which has the transformed NIEM Claim Object associated with that DBQ in eCRUD.

- For Exam to Vendor

LENS will send the Exam notifications in Atom feed syndication format. The Atom feed's content element contains the DBQ meta data which has the transformed NIEM Claim Object associated with that DBQ in eCRUD. The default content type is "application/atom+xml" can be over ride to any type eg., "application/ xml" or "text/xml"

The Atom entry section contains a second pass link to each attachments.

- For VHA Exam Notification

LENS will send "Pending-UnderReview" Exam Result Storage event Notifications, and also Exam Manifest storage event Notifications, to the VLER Data Store (VDS). These notifications are written in the Atom Feed syndication format before being stored in VDS. VHA can retrieve these notifications from the VDS (via eCRUD). The default content type is "application/atom+xml" can be over ride to any type eg., "application/ xml" or "text/xml"

The Atom Feed entry section in a notification contains a second pass link to each attachments. VHA can retrieve these attachments via these links from the VLER Data Store (via eCRUD).

- For Exam Status Updates from DEAP to VBMS

LENS will send the exam status update notifications in Atom feed syndication format. The Atom feed content element contains the exam status data.

The Atom entry section contains a second pass link to the original document received from DEAP.

- For DBQ Contention Status Updates from DEAP to VBMS

LENS will send the DBQ Contention status update notifications in Atom feed syndication format. The Atom feed content element contains the Contention status data.

The Atom entry section contains a second pass link to the original document received from DEAP.

- For Exam Request Initiation from VBMS to DEAP

LENS will send the exam request initiation notifications in Atom feed syndication format. The Atom feed content element contains the exam request initiation data.

The Atom entry section contains a second pass link to the original document received from VBMS.



- For Exam Requests from DEAP to CUI and VHA contracted vendors.

LENS will send the exam request notifications in Atom feed syndication format .The Atom feed content element contains the exam request data.

The Atom entry section contains a second pass link to the original document received from DEAP.

## 2.6. Precedence and Criticality

All operations shall be processed with equal priority.

## 2.7. Communications Methods

All interfaces between the LENS and external partners shall use HTTP 1.1 communication methods supplemented by Security and Privacy considerations.

## 2.8. Performance Requirements

- LENS is capable of handling files with a maximum size of 100 megabytes.
- LENS is capable to support obtaining STRs for approximately 400,000 original claims per year (average).

## 2.9. Security

### 2.9.1. Certificates

Transfers between Partner's applications and the LENS application will be routed through the java based Gateway application. The communication must be protected by two-way SSL within the HTTPS application layer protocol. This protocol requires certificates which identify the host computers running:

1. The Partner's applications and
2. The Gateway application(Java).

Certificates must be public or private CA (Certificate Authority signed certificates for this interface. Partners are responsible for obtaining and keeping their certificates up to date based on the lifetime of each certificate.

The certificates for Partner's host computers and the Gateway(Java based) computers must be securely exchanged. See **Error! Reference source not found.** for contact information. The Gateway(Java based) will need a copy of each Partner's certificate and any other certificates needed to establish a chain of trust to the signing CA. Similarly the each Partner's host computer will need a copy of the Gateway(Java based) certificate and other certificates needed to establish a chain of trust to the signing CA.

## 3. Interface Requirements

### 3.1. LENS – eCFT DBQ Notification

The LENS application creates and sends DBQ notifications to notify eCFT when exam results are available and in 'Completed Status'.

The notification contains the Veteran Information, Physician information, Veteran Tracking Application (VTA) Case ID, eCFT Case ID, Medical data and 2nd-pass link to retrieve the eCFT DBQ attachments.

DBQ notifications containing multiple attachments in the original meta-data will contain a second pass link URL for each attachment.

LENS will post the notification to the eCFT notification service (DoD) URL via the Node.js Gateway.

<https://server:port/{ThenameOfTheECFTnotificationService}/versionNumber/lens/disabilityBenefitsQuestionnaires/>

eCFT notification service ( DoD) should respond with the following payload upon receiving the DBQ notification.

```
{ "document": { "id": "document id received in the DBQ notification", "path": "path of the DoD notification service where the document was posted ", "uploadDate": "notification uploaded timestamp from the DBQ notification " } }
```

Sample

```
{ "id": " eCFTdocumentIdOfStoredDocument", "path": " { https://server:port/{ThenameOfTheECFTnotificationService}/versionNumber/lens/disabilityBenefitsQuestionnaires/ { eCFTdocumentIdOfStoredDocument } 1", "uploadDate": "YYYY-MM-DDThh-mm-ssZ" }
```

#### 3.1.1. Interface Processing Time Requirements

End to end response times for sending notifications shall be less than 5 seconds (for 90% of all events).

#### 3.1.2. Message/File Requirements

##### 3.1.2.1. Data Assembly Characteristics

This interface will utilize the XML message construct in Atom feed syndication format to send the DBQ notification. The Atom feed content element contains the NIEM Claim data component and the entry section contains the second pass link URL for each attachment.

The Atom feed follows the Atom Syndication Format standard and Atom Publishing Protocol as defined in section 1.5.

Sample DBQ notifications are provided in [Appendix A](#).

### 3.1.2.2. Field/Element Definition

This section identifies the key data elements in the notification as defined by the requirements. For complete list of data elements esp. in the medical section refer to the NIEM Schemas in Appendix A.

Data Element	Data Type	Required ( R ) / Optional ( O )	Notes
V/SM Last Name	ASCII	R	
V/SM First Name	ASCII	R	
V/SM Middle Name	ASCII	O	
V/SM Social Security Number (SSN)	ASCII	R	
V/SM Date of Birth	Date	R	
V/SM Gender	ASCII	O	M or F
V/SM EDIPI	ASCII	O	Will be sent if available in VLER DAS
Document ID	ASCII	O	
Disability Benefits Questionnaire (DBQ) Document Type	ASCII	O	
Create Date	W3 Date Time	R	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
Physician Last Name	ASCII	R	
Physician First Name	ASCII	R	
Physician Middle Name	ASCII	O	

Data Element	Data Type	Required ( R ) / Optional (O)	Notes
Physician ID	ASCII	O	e.g., National Provider Identifier
			Assigning Facility or Assigning Authority
Status	ASCII	R	Allowable value "Completed"
Physical Source	ASCII	O	Current identified values :
Uniform Resource Locator (URL)	ASCII	R	Unique URL for the exam result document
Status Date	W3 Date Time	R	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
Claim Number	ASCII	O	
Notify Event Time Stamp	W3 Date Time	R	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH: MM: SS.sssZ, e.g. 2014-01-09T20:40:02.161Z.
Examiner Type	ASCII	O	Current allowable values : <ul style="list-style-type: none"> <li>• In-house (VHA examiners): 'In-house'</li> <li>• Contracted: 'Contracted'</li> <li>• External (private examiners): 'External'</li> </ul>
Contract Type	ASCII	O	Current allowable values : <ul style="list-style-type: none"> <li>• 'VBA' (VBA Contract)</li> <li>• 'VHA' (VHA Contract)</li> </ul> Required only when Examiner type is 'Contracted'.
Veteran Tracking Application (VTA) Case ID	ASCII	R	VLER DAS will populate the VTA Case ID as stored in the most recent eCFT document in VLER DAS for that Veteran.
eCFT Case ID	ASCII	R	
Exam Request ID	ASCII	O	
VA Facility ID	ASCII	O	
VA Facility Name	ASCII	O	
VA Facility Location	ASCII	O	

Data Element	Data Type	Required ( R ) / Optional ( O )	Notes
Comments	ASCII	O	
Medical Data Section			Check the schema in Appendix A for the complete list of elements available.

**Table 1: Key element in eCFT DBQ notification**

### **3.1.3. Communication Methods**

#### **3.1.3.1. Interface Initiation**

This interface is triggered to begin processing when exam results are received with 'Completed Status' and the Veteran IDES case file documentation exists in VLER DAS.

#### **3.1.3.2. Flow Control**

LENS submits the message using a POST method to the eCFT notification service (DoD) via the Node.js Gateway. If an HTTP header response other than "201" is received from eCFT, it will be considered as an Error .LENS will progressively retry to post the notification for a configurable interval of time.

### **3.1.4. Security Requirements**

The interface will be designed to utilize HTTPS with bi-directional certificate validation.

This interface will use Mutual TLS Authentication with VA issued certificates to identify and authorize server-to-server communications to a specific endpoint identified by a URL where your services reside.

LENS creates a "DBQ Exam Result Notification Published" audit logging entry event for each DBQ notification sent to eCFT.

## **3.2. LENS – VBMS DBQ Notification**

The LENS application creates and publishes 'DBQ Status is Completed' event notifications to VBMS when VBA contract exam results are stored in VLER data store successfully. The event notification, which is an Atom feed message, contains the valid, second-pass links to the document stored in VDS along with the NIEM claim data component.

VBMS notifications will be sent through the JMS Topics configured on Weblogic application server by Redis2JMS application.

DBQ notifications containing multiple attachments in the original meta-data will contain a second pass link for each attachment.

DBQ Notifications to VBMS will be published to the following topic:

**Binding:** jms/das/DefaultXAConnectionFactory

**Initial Context Factory:** weblogic.jndi.WLInitialContextFactory

**Provider URL:** t3s://{host}:{port} ( Gold (Pre-prod and Production) – Certificates required

**Provider URL:**t3s://{host}:{port} ( Dev and Silver(Test)

**Topic :** jms.core.dbq.CompletedEventTopic

### 3.2.1. Interface Processing Time Requirements

End to end response times for sending the notifications shall be less than 5 seconds (for 90% of all events).

### 3.2.2. Message/File Requirements

#### 3.2.2.1. Data Assembly Characteristics

This interface will utilize the XML message construct in Atom feed syndication format to send the DBQ notification. The Atom feed XML elements contained in the notifications follow the standard Atom entry document schema; however, not all of the elements from the schema are included in the DBQ notification. The Atom feed content element contains the NIEM Claim data component and the entry section contains the second pass link for each attachment.

The Atom feed follows the Atom Syndication Format standard and Atom Publishing Protocol as defined in the section 1.5.

Sample DBQ notifications are provided in [Appendix A](#).

#### 3.2.2.2. Field/Element Definition

This section identifies the key data elements in the notification as defined by the requirements.

The following table lists information on the schemas used for the VBMS DBQ notification

Schema Name	Location	Version	Notes
atom.xsd	http://www.w3.org/2005/Atom/	0.2	
niem-core.xsd (nc)	http://release.niem.gov/niem/niem-core/2.0/	2.0	
structures.xsd (s)	http://niem.gov/niem/structures/2.0/	2.0	
preview-cpExams.xsd (pr)	http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1.0	1.0	

Schema Name	Location	Version	Notes
Claim.xsd (cld)	http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/Claim/1.1.2	1.1.2	
vler.xsd (vler)	http://vler.va.gov/vler/schemas/vlerSuperSetSchema/0.9/vler	0.9	

The following table lists the Atom feed XML elements contained in the VBMS DBQ notification

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
title	feed/title	a human-readable title for an entry or feed	The version of the VA VLER DAS Life Event Notification Service (LENS)
subtitle	feed/subtitle	A Text construct that conveys a human readable description or subtitle for a feed	feed/entry/content/pr:Preview/nc:Document/nc:DocumentTitleText
id	feed/id	Conveys a permanent, universally unique identifier for an entry or feed.	The location of where the subject document is stored in the VLER Data Store. This value includes the database name, collection name, and unique identification number for the subject document in the following format: /database_name/collection_name/MongoDB_unique_id_number
updated	feed/updated	the most recent instant in time when an entry or feed was modified in a way the publisher considers significant	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
generator	feed/generator	Identifies the agent used to generate a feed, for debugging and other purposes	The version of the VA VLER DAS Life Event Notification Service (LENS)
author	feed/author	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"VA VLER DAS Life Event Notification Service (LENS)"
entry	feed/entry	an individual entry, acting as a container for metadata and data associated with the entry	"Veterans Health Administration (VHA)"
title	feed/entry/title	a human-readable title for an entry or feed	feed/entry/content/pr:Preview/nc:Document/nc:DocumentTitleText
id	feed/entry/id	Conveys a permanent, universally unique identifier for an entry or feed.	feed/entry/content/pr:Preview/nc:Document/nc:DocumentIdentification/nc:IdentificationID
published	feed/entry/published	a Date construct indicating an instant in time associated with an event early in the life cycle of the entry.	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
updated	feed/entry/updated	the most recent instant in time when an entry or feed was modified in a way the publisher considers	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
		significant	01-09T20:40:02.161Z
author	feed/entry/author	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"Veterans Health Administration (VHA)"
content	feed/entry/content	Contains content of the entry or links to the content of the entry	The "type" attribute indicates the HTTP Content-Type header of the subject document (DBQ form) e.g. "application/xml" can be overwritten with "application/atom+xml"
link	feed/entry/link	a reference from an entry or feed to a Web resource	<p>The information about the subject document and any attachments included in the subject document. Attributes include:</p> <p><b>"title"</b> – the value of this attribute indicates the identity of the link. A value of "Subject Document" indicates that the link references the DBQ form. A value of "Attachment" indicates attachments submitted with the DBQ form.</p> <p><b>"href"</b> – this value will contain the complete URL to the entity indicated in the "title" attribute.</p> <p><b>"type"</b> - indicates the HTTP Content-Type header of the entity indicated in the "title" attribute. e.g. "application/xml", "application/pdf"</p>

The following table lists the NIEM Claim data components within the Atom feed's content element

Data Element (User Story)	Data Element (XML)	Data Type	Notes
V/SM Last Name	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonSurName	xsd:string	
V/SM First Name	/feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonGivenName	xsd:string	
V/SM Middle Name	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonMiddleName	xsd:string	
V/SM Social Security Number (SSN)	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonSSNIdentification/nc:IdentificationID	xsd:string	



Data Element (User Story)	Data Element (XML)	Data Type	Notes
V/SM Date of Birth	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonBirthDate/nc:Date	xsd:dateTime	YYYY-MM-DD e.g.1929-12-24
V/SM Gender	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonSexCode	xsd:string	Valid values [M/F]
Document ID	feed/entry/content/pr:Preview/nc:Document/nc:DocumentIdentification/nc:IdentificationID	xsd:string	
Disability Benefits Questionnaire (DBQ) Document Type	feed/entry/content/pr:Preview/nc:Document/nc:DocumentDescriptionText feed/entry/content/pr:Preview/nc:Document/nc:DocumentTitleText	xsd:string	
Create Date	feed/entry/content/pr:Preview/nc:Document/nc:DocumentCreationDate/nc:DateTime	xsd:dateTime	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
Physician Last Name	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonSurName	xsd:string	
Physician First Name	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonGivenName	xsd:string	
Physician Middle Name	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonMiddleName	xsd:string	
Physician ID	feed/entry/content/pr:Preview/vler:ServiceProvider/vler:PersonIdentifier/nc:IdentificationID	xsd:string	e.g., National Provider Identifier
Physician Assigning Facility/Assigning Authority	feed/entry/content/pr:Preview/vler:ServiceProvider/vler:PersonIdentifier/nc:IdentificationJurisdictionText	xsd:string	Assigning Facility or Assigning Authority
Status	feed/entry/content/pr:Preview/nc:Document/nc:DocumentStatus/nc:StatusText	xsd:string	Allowable value "Completed"
Uniform Resource Locator (URL)	feed/entry/link[1 - N]	xsd:string	Refer to above Atom feed XML elements table for comprehensive details.
Claim Number	feed/entry/content/pr:Preview/pr:ClaimNumber	xsd:string	

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Notify Event Time Stamp / Date of Receipt	feed/updated	xsd:dateTime	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z.  System created – the current date/time value when notification is created.
VHA Facility ID	feed/entry/content/pr:Preview/nc:Facility/nc:FacilityIdentification/nc:IdentificationID	xsd:string	
VHA Facility Name	feed/entry/content/pr:Preview/nc:Facility/nc:FacilityName	xsd:string	
VHA Facility ID Assigning Authority	feed/entry/content/pr:Preview/nc:Facility/nc:FacilityIdentification/nc:IdentificationJurisdictionText	xsd:string	
Physical Source	feed/entry/content/pr:Preview/vler:ExamDetail/vler:PhysicalSource	xsd:string	The entity that generated the exam result. E.g. 'VES' - Veterans Evaluation Service 'VHA_CAPRI' - CAPRI 'QTC' - Quality, Timeliness, Customer Service Management Inc. 'VetFed' - Veteran Federal Resources Inc. 'MSLA' - Medical Services of Los Angeles 'LHI' - Logistics Health Incorporated  <b>NOTE:</b> The value of a configuration parameter named "includePhysicalSource" will determine if this attribute is added on the notification or not.  If the boolean value is true the PhysicalSource node and value will be on the notification.  If the boolean value is false the PhysicalSource node and value will not be on the notification.

Table 2 Key element in VBMS DBQ notification

### 3.2.3. Communication Methods

#### 3.2.3.1. Interface Initiation

This interface is triggered to begin processing when exam results are received with 'Completed Status' and the subscription request exists in VLER DAS.

### **3.2.3.2. Flow Control**

VBMS notifications will be sent through the JMS Topics configured on Weblogic application server by LENS Redis2JMS application.

### **3.2.4. Security Requirements**

The interface will be designed to utilize Weblogic JMS Topic with bi-directional certificate validation.

This interface will use Mutual TLS Authentication with VA issued certificates to identify and authorize server-to-server communications. The JMS Objects are secured by a User ID and Password and can only be accessed with-in the Weblogic JNDI context.

## **3.3. LENS – VBMS STR Notification**

LENS applications create and publish 'STR/LLF Available' event notifications to VBMS for each certified STR PDF(s) in VA repository.

STR Notifications will be published to the following topic:

**Binding:** jms/das/DefaultXAConnectionFactory

**Initial Context Factory:** weblogic.jndi.WLInitialContextFactory

**Provider URL:** t3s://{host}:{port} ( Gold (Pre-prod and Production) – Certificates required

**Provider URL:** t3://{host}:{port} ( Dev and Silver(Test)

**Topic :** jms.core.str.CompletedEventTopic

### **3.3.1. Interface Processing Time Requirements**

End to end response times for sending the notifications shall be less than 5 seconds (for 90% of all events).

### **3.3.2. Message/File Requirements**

#### **3.3.2.1. Data Assembly Characteristics**

This interface will utilize the XML message construct in Atom feed syndication format to send the STR notification. The Atom feed content element contains the NIEM Service Treatment Record data component.

The Atom feed follows the Atom Syndication Format standard and Atom Publishing Protocol as defined in the section 1.5.

Sample STR notifications are provided in [Appendix A](#).

#### **3.3.2.2. Field/Element Definition**

This section identifies the key data elements in the notification as defined by the requirements. For complete list of data elements esp. in the medical section refer to the NIEM Schemas in Appendix A.

Data Element	Data Type	Required ( R ) /Optional ( O )	Notes
V/SM Last Name	ASCII	R	
V/SM First Name	ASCII	R	
V/SM Middle Name	ASCII	O	
V/SM Social Security Number (SSN)	ASCII	R	
V/SM Date of Birth	Date	R	
V/SM Gender	ASCII	O	M/F
V/SM AUN	ASCII	R	Will be sent if available in VLER DAS
HAIMS Unique Document ID	ASCII	O	Unique Document Id
Document Name	ASCII	R	
Create Date	W3 Date Time	R	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
LOINC for the PDF	ASCII	R	Logical Observation Identifiers Names and Code
HAIMS Doc Type	ASCII	R	
Status	ASCII	R	Allowable value "Completed"
Physical Source	ASCII	O	Current identified values : ➤ DoD
Uniform Resource Locator (URL)	ASCII	R	Unique URL for the exam result document
VA Facility ID	ASCII	O	
VA Facility Name	ASCII	O	
VA Facility Location	ASCII	O	
ServiceTreatment Record Section			Check the schema in Appendix A for the complete list of elements available.

**Table 3 Key element in VBMS STR notification**

### **3.3.3. Communication Methods**

#### **3.3.3.1. Interface Initiation**

This interface will be triggered when VLER DAS successfully retrieves and stores certified STR PDF(s) from HAIMS in VA repository for a given veteran.

#### **3.3.3.2. Flow Control**

LENS Redis2JMS application will publish 'STR/LLF Available' event notifications to JMS Topics configured on Weblogic application server .

#### **3.3.4. Security Requirements**

The interface will be designed to utilize Weblogic JMS Topic with bi-directional certificate validation.

This interface will use Mutual TLS Authentication with VA issued certificates to identify and authorize server-to-server communications. The JMS Objects are secured by a User ID and Password and can only be accessed with-in the Weblogic JNDI context.

### **3.4. LENS – VBMS Exam Response Notification**

The LENS application creates and publishes 'Exam Response Available Status Completed' event notifications to VBMS when an exam response from the Disability Clinician User Interface (CUI) system with a status of 'Completed' is stored in DAS Data Store (DDS) successfully. The event notification is an Atom feed message containing the valid second-pass links to the document and attachments stored in DDS along with the exam response metadata and evaluation medical data.

VBMS notifications will be sent through the JMS Topics configured on Weblogic application server by Redis2JMS application.

Exam Response Notifications to VBMS will be published to the following topic:

**Binding:** jms/das/DefaultXAConnectionFactory

**Initial Context Factory:** weblogic.jndi.WLInitialContextFactory

**Provider URL:** t3s://{host}:{port} ( Gold (Pre-prod and Production) – Certificates required

**Provider URL:** t3://{host}:{port} ( Dev and Silver(Test)

**Topic :** jms.core.dbq.CompletedEventTopic

#### **3.4.1. Interface Processing Time Requirements**

End to end response times for sending the notifications shall be less than 5 seconds (for 90% of all events).

#### **3.4.2. Message/File Requirements**

##### **3.4.2.1. Data Assembly Characteristics**

This interface will utilize the XML message construct in Atom feed syndication format to send the Exam Response notification. The Atom feed XML elements contained in the notifications follow the standard Atom entry document schema; however, not all of the elements from the schema are included in the notification. The Atom feed content element contains the exam response data and evaluation medical data. Following this is the second pass link for the subject document and each attachment.

The Atom feed follows the Atom Syndication Format standard and Atom Publishing Protocol as defined in section 1.5.

A sample Exam Response notification is provided in [Appendix A](#).

### 3.4.2.2. Field/Element Definition

This section identifies the key data elements in the notification as defined by the requirements.

The following table lists information on the schemas used for the VBMS Exam Response notification

Schema Name	Location	Version	Notes
atom.xsd	<a href="http://www.w3.org/2005/Atom/">http://www.w3.org/2005/Atom/</a>	0.2	
niem-core.xsd (nc)	<a href="http://release.niem.gov/niem/niem-core/2.0/">http://release.niem.gov/niem/niem-core/2.0/</a>	2.0	
structures.xsd (s)	<a href="http://niem.gov/niem/structures/2.0/">http://niem.gov/niem/structures/2.0/</a>	2.0	
ExamResponse-2.0.xsd (cld)	<a href="http://vler.va.gov/vler/schemas/benefits/ExamResponse/2.0">http://vler.va.gov/vler/schemas/benefits/ExamResponse/2.0</a>	2.0	<b>NOTE</b> - This IEPD is still in a beta version and can change before the final version.
vler.xsd (vler)	<a href="http://vler.va.gov/vler/schemas/vlerSuperSetSchema/0.9/vler/">http://vler.va.gov/vler/schemas/vlerSuperSetSchema/0.9/vler/</a>	0.9	

The following table lists the Atom feed XML elements contained in the VBMS Exam Response notification

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
feed	feed	The root element of the Atom feed	
title	feed/title	a human-readable title for an entry or feed	The version of the VA VLER DAS Life Event Notification Service (LENS)
subtitle	feed/subtitle	A Text construct that conveys a human readable description or subtitle for a feed	feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Document/nc:DocumentTitleText

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
id	feed/id	Conveys a permanent, universally unique identifier for an entry or feed.	The location of where the subject document is stored in the VLER Data Store. This value includes the database name, collection name, and unique identification number for the subject document in the following format: /database_name/collection_name/MongoDB_unique_id_number
updated	feed/updated	the most recent instant in time when an entry or feed was modified in a way the publisher considers significant	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
generator	feed/generator	Identifies the agent used to generate a feed, for debugging and other purposes	The version of the VA VLER DAS Life Event Notification Service (LENS)
author	feed/author		
name	feed/author/name	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"Data Access Service (DAS)"
entry	feed/entry	an individual entry, acting as a container for metadata and data associated with the entry	
title	feed/entry/title	a human-readable title for an entry or feed	feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Document/nc:DocumentTitleText
id	feed/entry/id	Conveys a permanent, universally unique identifier for an entry or feed.	feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Document/nc:DocumentIdentification/nc:IdentificationID
published	feed/entry/published	a Date construct indicating an instant in time associated with an event early in the life cycle of the entry.	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
updated	feed/entry/updated	the most recent instant in time when an entry or feed was modified in a way the publisher considers significant	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
author	feed/entry/author		
name	feed/entry/author/name	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"Veterans Health Administration (VHA)"
content	feed/entry/content	Contains content of the entry or links to the content of the entry	The "type" attribute indicates the HTTP Content-Type header of the subject document e.g. "application/xml" can be overwritten with "application/atom+xml"

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
link	feed/entry/link	a reference from an entry or feed to a Web resource	<p>The information about the subject document and any attachments included in the subject document. Attributes include:</p> <p><b>“title”</b> – the value of this attribute indicates the identity of the link. A value of "Subject Document" indicates that the link references the Exam Response form. A value of "Attachment" indicates attachments submitted with the Exam Response form.</p> <p><b>“href”</b> – this value will contain the complete URL to the entity indicated in the “title” attribute.</p> <p><b>“type”</b> - indicates the HTTP Content-Type header of the entity indicated in the “title” attribute. e.g. “application/xml”, “application/pdf”</p>

The following table lists the Exam Response data components within the Atom feed’s content element

Data Element (User Story)	Data Element (XML)	Data Type	Notes
V/SM Last Name	feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Person[s:id="one"]/nc:PersonName/nc:PersonSurName	xsd:string	
V/SM First Name	/feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Person[s:id="one"]/nc:PersonName/nc:PersonGivenName	xsd:string	
V/SM Middle Name	feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Person[s:id="one"]/nc:PersonName/nc:PersonMiddleName	xsd:string	
V/SM Social Security Number (SSN)	feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Person[s:id="one"]/nc:PersonSSNIdentification/nc:IdentificationID	xsd:string	
V/SM Date of Birth	feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Person[s:id="one"]/nc:PersonBirthDate/nc:Date	xsd:dateTime	YYYY-MM-DD e.g.1929-12-24
V/SM Gender	feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Person[s:id="one"]/nc:PersonSexCode	xsd:string	Valid values [M/F]



Data Element (User Story)	Data Element (XML)	Data Type	Notes
V/SM Integration Control Number (ICN)	feed/entry/content/cld:ExamResponse/ cld:CommonData/vler:Client/ vler:ClientIdentifier/nc:IdentificationID	xsd:string	
V/SM ICN Assigning Authority	feed/entry/content/cld:ExamResponse/ cld:CommonData/vler:Client/ vler:ClientIdentifier/vler:AssigningAuth ority	xsd:string	
File Control ID	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Document/ nc:DocumentFileControlID	xsd:string	System created – The unique identifier to the stored document in the DAS Data Store
Document Format Text	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Document/Docu mentFormatText	xsd:string	System created – the mime type of the stored document the DAS Data Store
Document ID	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Document/nc:Doc umentIdentification/nc:IdentificationID	xsd:string	
Exam Template Document Type	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Document/nc:Doc umentDescriptionText  feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Document/nc:Doc umentTitleText	xsd:string	For example, <i>Ischemic Heart Disease Exam Template</i>
Create Date	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Document/nc:Doc umentCreationDate/nc:DateTime	xsd:dateTi me	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM- DDTHH:MM:SS.sssZ, e.g. 2014-01- 09T20:40:02.161Z
Physician Last Name	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Person[s:id="two"] /nc:PersonName/nc:PersonSurName	xsd:string	
Physician First Name	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Person[s:id="two"] /nc:PersonName/nc:PersonGivenNam e	xsd:string	
Physician Middle Name	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Person[s:id="two"] /nc:PersonName/nc:PersonMiddleNa me	xsd:string	
Physician ID	feed/entry/content/cld:ExamResponse/ cld:CommonData/vler:ServiceProvider/ vler:PersonIdentifier/nc:IdentificationID	xsd:string	e.g., National Provider Identifier
Physician Assigning Facility/Assigning Authority	feed/entry/content/cld:ExamResponse/ cld:CommonData/vler:ServiceProvider/ vler:PersonIdentifier/vler:AssigningAut hority	xsd:string	Assigning Facility or Assigning Authority

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Status	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Document/nc:Doc umentStatus/nc:StatusText	xsd:string	Allowable value "Completed"
Uniform Resource Locator (URL)	feed/entry/link[1 - N]	xsd:string	Refer to above Atom feed XML elements table for comprehensive details.
Claim Number	feed/entry/content/cld:ExamResponse/ cld:ClaimID	xsd:string	
Notify Event Time Stamp / Date of Receipt	feed/updated	xsd:dateTi me	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH: MM: SS.sssZ, e.g. 2014-01- 09T20:40:02.161Z.  System created – the current date/time value when notification is created.
VHA Facility ID	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Facility/nc:Facility Identification/nc:IdentificationID	xsd:string	
VHA Facility Name	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Facility/nc:Facility Name	xsd:string	
VHA Facility ID Assigning Authority	feed/entry/content/cld:ExamResponse/ cld:CommonData/nc:Facility/nc:Facility Identification/nc:IdentificationJurisdic tionText	xsd:string	
Physical Source	feed/entry/content/cld:ExamResponse/ cld:CommonData/vler:ExamDetail/vler: PhysicalSource	xsd:string	The entity that generated the exam response.  E.g. 'VHA_CUI'  Veterans Health Administration (VHA) Clinician User Interface (CUI)
Exam ID	feed/entry/content/cld:ExamResponse/ cld:CommonData/vler:ExamDetail/ vler:ExamId	xsd:string	Example: 500-1408-4576-6581, 500- Station Number, 1408 - Unique request number, 4576 – Unique Contention number 6581 – Unique exam number
Examiner Type	feed/entry/content/cld:ExamResponse/ cld:CommonData/vler:ExamDetail/ vler:ExaminerType	xsd:string	'Inhouse'
Contractor Type	feed/entry/content/cld:ExamResponse/ cld:CommonData/vler:ExamDetail/ vler:ContractorType	xsd:string	This can be an empty node

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Status Date	feed/entry/content/cld:ExamResponse/ cld:CommonData/vler:ExamDetail/ vler:StatusDate/nc:DateTime	xsd:dateTime	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH: MM: SS.sssZ, e.g. 2014-01-09T20:40:02.161Z.  System created – the current date/time value when notification is created.
Comments	feed/entry/content/cld:ExamResponse/ cld:CommonData/vler:ExamDetail/vler: Comments	xsd:string	
Medical Data	feed/entry/content/cld:ExamResponse/ cld:EvaluationData		The elements under this node will vary depending on which medical schema is included.
Upload Date	feed/entry/content/uploadDate	xsd:dateTime	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH: MM: SS.sssZ, e.g. 2014-01-09T20:40:02.161Z.  System created – the current date/time value when Exam Response was stored in DAS Data Store.
Id	feed/entry/content/_id	xsd:string	System created – The unique identifier to the stored document in the DAS Data Store
Attachment Information (1-N)	feed/entry/content/cld:ExamResponse/ cld:Attachments/nc:Attachment	xsd:string	There will be a set of attachment elements for each attachment in the Exam Response
Binary Description Text	feed/entry/content/cld:ExamResponse/ cld:Attachments/nc:Attachment/nc:Bin aryDescriptionText	xsd:string	The title of the attached file
Binary Format Standard Name	feed/entry/content/cld:ExamResponse/ cld:Attachments/nc:Attachment/Binary FormatStandardName	xsd:string	The mime-type of the attached file
Binary Location URI	feed/entry/content/cld:ExamResponse/ cld:Attachments/nc:Attachment/nc:Bin aryLocationURI	xsd:string	System created – The unique identifier to the stored attachment in the DAS Data Store
Binary Size Value	feed/entry/content/cld:ExamResponse/ cld:Attachments/nc:Attachment/nc:Bin arySizeValue	xsd:string	The size of the attached file
Binary Category Text	feed/entry/content/cld:ExamResponse/ cld:Attachments/nc:Attachment/nc:Bin aryCategoryText	xsd:string	The title of the attached file

**Table 3 Key element in VBMS Exam Response notification**

### **3.4.3. Communication Methods**

#### **3.4.3.1. Interface Initiation**

This interface is triggered to begin processing when exam responses are received with 'Completed Status' and successfully stored in the DAS Data Store.

#### **3.4.3.2. Flow Control**

VBMS notifications will be sent through the JMS Topics configured on Weblogic application server by LENS Redis2JMS application.

### **3.4.4. Security Requirements**

The interface will be designed to utilize Weblogic JMS Topic with bi-directional certificate validation.

This interface will use Mutual TLS Authentication with VA issued certificates to identify and authorize server-to-server communications. The JMS Objects are secured by a User ID and Password and can only be accessed with-in the Weblogic JNDI context.

## **3.5. LENS – Vendor Exam Request Notification**

The LENS application creates and sends a 'DBQ Exam Request Available' event notifications to the Vendor when VHA sends a new Exam Request and it is stored in VLER Data Store (VDS) successfully. The event notification, which is an atom feed message, contains meta data and a link to the document stored in VDS.

Vendor Exam Request Notifications will be sent to a vendor's RESTful HTTP service enabled to consume the notification from DAS. Vendors wishing to receive notifications from DAS must communicate the following information:

RESTful HTTP service URL : <http://{host}:{port}/{service}>

Content-Type : "application/atom+xml" or any consumer specific e.g., "application/ xml" or "text/xml"

LENS will post the notification to the Vendor notification service URL via the Gateway(Java based).

### **3.5.1. Interface Processing Time Requirements**

End to end response times for sending the notifications shall be less than 5 seconds (for 90% of all events).

### **3.5.2. Message/File Requirements**

#### **3.5.2.1. Data Assembly Characteristics**

There are currently two different XML messages constructed for the Exam Request notification. The Exam Request sent from the CAPRI system has a different structure than the one sent by the DEAP system. However, both notifications are an xml document containing an Atom feed data components as well as the entry section containing the second pass link for each attachment.

Sample Vendor Exam Request notifications from CAPRI and DEAP are provided in [Appendix A](#).

### 3.5.2.2. Field/Element Definition

This section identifies the key data elements in each of the Exam Request notifications as defined by the requirements. For complete list of data elements esp. in the medical section refer to the NIEM Schemas in Appendix A.

The following table lists the common Atom feed XML elements contained in both Exam Request notifications (CAPRI and DEAP). The data unique to each Exam Request notification will follow.

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
Feed	Feed	The root element of the Atom feed	
Title	feed/title	a human-readable title for an entry or feed	The version of the VA VLER DAS Life Event Notification Service (LENS)
Subtitle	feed/subtitle	A Text construct that conveys a human readable description or subtitle for a feed	"Exam Request Available Notification"
Id	feed/id	Conveys a permanent, universally unique identifier for an entry or feed.	The location of where the subject document is stored in the DAS Data Store. This value includes the database name, collection name, and unique identification number for the subject document in the following format: /database_name/collection_name/MongoDB_unique_id_number
Updated	feed/updated	the most recent instant in time when an entry or feed was modified in a way the publisher considers significant	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
Generator	feed/generator	Identifies the agent used to generate a feed, for debugging and other purposes	The version of the VA VLER DAS Life Event Notification Service (LENS)
Author	feed/author		
Name	feed/author/name	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"Data Access Service (DAS)"
Entry	feed/entry	an individual entry, acting as a container for metadata and data associated with the entry	
Title	feed/entry/title	a human-readable title for an entry or feed	"Exam Request Available"
Id	feed/entry/id	Conveys a permanent, universally unique identifier for an entry or feed.	feed.entry.content.pr:Preview.er:ExamRequest.er:RequestId ( <b>CAPRI</b> )  er:ExamRequest/ExamRequestInitiationUuid ( <b>DEAP</b> )
Published	feed/entry/published	a Date construct indicating an instant in time associated with an event early in the life cycle of the entry.	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
updated	feed/entry/updated	the most recent instant in time when an entry or feed was	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
		modified in a way the publisher considers significant	DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
Author	feed/entry/author		
Name	feed/entry/author/name	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"Veterans Health Administration (VHA)"
Content	feed/entry/content	Contains content of the entry or links to the content of the entry	The "type" attribute indicates the HTTP Content-Type header of the subject document e.g. "application/xml" can be overwritten with "application/atom+xml"
Link	feed/entry/link	a reference from an entry or feed to a Web resource	<p>The information about the subject document. Attributes include:</p> <p><b>"title"</b> – the value of this attribute indicates the identity of the link. A value of "Subject Document" indicates that the link references the Exam Request form.</p> <p><b>"href"</b> – this value will contain the complete URL to the entity indicated in the "title" attribute.</p> <p><b>"type"</b> - indicates the HTTP Content-Type header of the entity indicated in the "title" attribute. e.g. "application/xml", "application/pdf"</p>

The following table lists the Exam Request notification data components within the Atom feed's content element unique to **CAPRI**:

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Request ID	CapriExamRequest/RequestId	xsd:string	
Exam Request Status	CapriExamRequest/RequestStatus	xsd:string	Default = 'Open' 'Completed', 'Cancelled', 'Transferred'
Request Date	CapriExamRequest/RequestDate	xsd:dateTime	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
Claim Number Required			True / false

<b>Data Element (User Story)</b>	<b>Data Element (XML)</b>	<b>Data Type</b>	<b>Notes</b>
V/SM Full Name		xsd:string	Format : Family (Last), Given (First) Middle Suffix.)
V/SM Last Name		xsd:string	
V/SM First Name		xsd:string	
V/SM Middle Name		xsd:string	
V/SM Social Security Number (SSN)		xsd:string	
SSN Assigning Authority		xsd:string	
V/SM Date of Birth		xsd:date	
V/SM Gender		xsd:string	
V/SM Address 1		xsd:string	
V/SM Address 2		xsd:string	
V/SM Address 3		xsd:string	
V/SM City		xsd:string	
V/SM State or Province		xsd:string	
V/SM Zip +4		xsd:string	
V/SM Country		xsd:string	
V/SM Phone Home		xsd:string	
V/SM Phone Cell		xsd:string	

<b>Data Element (User Story)</b>	<b>Data Element (XML)</b>	<b>Data Type</b>	<b>Notes</b>
V/SM ID (ICN)		xsd:string	
V/SM ID (ICN) Assigning Authority		xsd:string	
V/SM ID(ICN) Assigning Facility		xsd:string	
Claim Number		xsd:string	
Claim Number Required		xsd:string	NO / YES
DBQ Document Type		xsd:string	
Create Date		xsd:dateTime	
Exam ID		xsd:string	
Regional Office		xsd:string	
Facility ID		xsd:string	
Facility Name		xsd:string	
Facility Assigning Authority		xsd:string	
Facility Address 1		xsd:string	
Facility Address 2		xsd:string	
Facility City		xsd:string	
Facility State		xsd:string	
Facility Zip +4		xsd:string	



Data Element (User Story)	Data Element (XML)	Data Type	Notes
Facility Phone		xsd:string	
Physical Source		xsd:string	Current identified values : <ul style="list-style-type: none"><li>VHA_CAPRI</li></ul>
Uniform Resource Locator (URL)		xsd:string	Unique URL for the exam request document
Notify Event Time Stamp		xsd:dateTime	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z.
Comments		xsd:string	
Fee Authorization	feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Person[s:id="one"]/nc:PersonName/nc:PersonSurName	xsd:string	

The following table lists the Exam Request notification data components within the Atom feed's content element unique to **DEAP**:

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Exam Request Status	feed/entry/content/er:ExamRequest/RequestStatus	xsd:string	DEAP will send with a value of 'Referred'.
Exam Request UUID	feed/entry/content/er:ExamRequest/RequestUuid	xsd:string	– A universally unique identifier of the Exam Request. Generated by DEAP
Request Date	feed/entry/content/er:ExamRequest/RequestDate	xsd:dateTime	(ie YYYY-MM-DDTHH:MM:SS.sssZ eg 2014-01-09T20:40:02.161Z) – Date and time the exam request was released by VBA to VHA.
Requesting Application Name	feed/entry/content/er:ExamRequest/RequestingApplicationName	xsd:string	The name of the application that initiated the exam request. Possible values are 'CAPRI' or 'DEAP'.
Requesting Organization	feed/entry/content/er:ExamRequest/RequestingOrganization	xsd:string	The name of the organization that initiated the exam request. Possible values are 'VHA' or 'VBA'.
VHA User Name	feed/entry/content/er:ExamRequest/VhaUserContactInfo/UserName	xsd:string	DEAP will provide this value as the last VHA user who modified the Exam Request within DEAP (autofilled). DAS will not alter this field.

Data Element (User Story)	Data Element (XML)	Data Type	Notes
VHA User Phone Number	feed/entry/content/er:ExamRequest/VhaUserContactInfo/PhoneNumber	xsd:string	System created – The unique identifier to the stored document in the DAS Data Store
VHA User Email Address	feed/entry/content/er:ExamRequest/VhaUserContactInfo/EmailAddress	xsd:string	System created – the mime type of the stored document the DAS Data Store
Facility Information	feed/entry/content/er:ExamRequest/FacilityInformation	xsd:string	DEAP sends the Veteran's facility information with the request so the vendor can return the facility information with the exam results. VA Facility Information (that is closest to the Veteran's home address)
Facility ID	feed/entry/content/er:ExamRequest/MedicalCenter/SiteNumber/Value	xsd:string	
Facility Name	feed/entry/content/er:ExamRequest/MedicalCenter/SiteName	xsd:string	
Facility Assigning Authority	feed/entry/content/er:ExamRequest/MedicalCenter/SiteNumber/AssigningAuthority	xsd:string	
Facility Address 1	feed/entry/content/er:ExamRequest/MedicalCenter/Address/Address1	xsd:string	
Facility Address 2	feed/entry/content/er:ExamRequest/MedicalCenter/Address/Address2	xsd:string	
Facility Address 3	feed/entry/content/er:ExamRequest/MedicalCenter/Address/Address3	xsd:string	
Facility City	feed/entry/content/er:ExamRequest/MedicalCenter/Address/City	xsd:string	
Facility State	feed/entry/content/er:ExamRequest/MedicalCenter/Address/State	xsd:string	
Facility Zip +4	feed/entry/content/er:ExamRequest/MedicalCenter/Address/ZipCode	xsd:string	
Facility Country	feed/entry/content/er:ExamRequest/FacilityInformation/Address/Country	xsd:string	
Facility Phone	feed/entry/content/er:ExamRequest/MedicalCenter/Phone	xsd:string	
Triage-Ordered Ancillary Test	feed/entry/content/er:ExamRequest/TriageOrderedAncillaryTests/TriageOrderedAncillaryTest	xsd:string	For Triage to Scheduler information, informative for clinician. DAS could receive none, one, or many values as selected by the user
Fee Authorization	feed/entry/content/er:ExamRequest/FeeAuthorization	xsd:string	
Comments	feed/entry/content/er:ExamRequest/Comments	xsd:string	Free-form text field used to send extra information to the examiner
Physical Source	feed/entry/content/er:ExamRequest/PhysicalSource	xsd:string	Possible values:  Veterans Health Administration (VHA) Clinician User Interface (CUI) 'VHA_CUI'

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Claim Information	feed/entry/content/er:ExamRequest/Claim Information	xsd:string	
Veteran/Service Member (V/SM)	feed/entry/content /er:ExamRequest/ClaimInformation/Vetera nServiceMemberInformation	xsd:string	
V/SM Full Name	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/FullName	xsd:string	(3-35 upper-case characters in length, and be in the format Family (Last), Given (First) Middle Suffix.)
V/SM Last Name	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/LastName	xsd:string	
V/SM First Name	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/FirstName	xsd:string	
V/SM Middle Name	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/MiddleName	xsd:string	
V/SM Last Name	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/LastName	xsd:string	
V/SM Social Security Number (SSN)	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/SocialSecurityNumber/Value	xsd:string	
VSM SSN Assigning Authority	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/SocialSecurityNumber/AssigningAuth ority	xsd:string	
V/SM Date of Birth	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/DateOfBirth	xsd:date	format YYYY-MM-DD, e.g. 1950-10-10
V/SM Gender	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/Gender	xsd:string	
Flashes	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/Flashes	xsd:string	can contain more than one
V/SM Flash	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/Flashes/Flash	xsd:string	
V/SM Address 1	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/Address/Address1	xsd:string	
V/SM Address 2	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/Address/Address2	xsd:string	
V/SM Address 3	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/Address/Address3	xsd:string	
V/SM City	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/Address/City	xsd:string	
V/SM State or Province	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/Address/State	xsd:string	

Data Element (User Story)	Data Element (XML)	Data Type	Notes
V/SM Zip +4	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/Address/ZipCode	xsd:string	
V/SM Country	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/Country	xsd:string	
V/SM Primary Phone	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/PhoneType/PrimaryPhone	xsd:string	
V/SM Alternate Phone	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/PhoneType/AlternatePhone	xsd:string	
V/SM Email Address	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/EmailAddress	xsd:string	
V/SM ICN	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/IntegrationControlNumber/Value	xsd:string	Integration Control Number
V/SM ICN Assigning Authority	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/IntegrationControlNumber/Assigning Authority	xsd:string	Assigning Authority or Assigning Facility
V/SM Participant ID	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/ParticipantId	xsd:string	
V/SM Electronic Data Interchange Personal Identifier	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/ElectronicDataInterchangePersonalId entifier	xsd:string	(EDIPI)
File Number	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/FileNumber		(VBMS identifier)
Data File Number	feed/entry/content/er:ExamRequest/Claim Information/VeteranServiceMemberInform ation/Vistalen	Xsd:intege r	(Vista IEN)
Payee	feed/entry/content/er:ExamRequest/Claim Information/Payee	xsd:string	00-Veteran to 29-C&P 19th Child
Modifier	feed/entry/content/er:ExamRequest/Claim Information/Modifier	xsd:string	DOD prefix necessary to identify first wife, second wife, first child, second child, third child, etc.
Comments	feed/entry/content/er:ExamRequest/Claim Information/Comments	xsd: string	
Claim ID	feed/entry/content/er:ExamRequest/Claim Information/ClaimId	xsd:string	Value will be received from VBMS. Example "123xyz".
Claim Level Status	feed/entry/content/er:ExamRequest/Claim Information/ClaimLevelStatus		
Claim Date	feed/entry/content/er:ExamRequest/Claim Information/ClaimDate	xsd:dateTi me	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH: MM: SS.sssZ, e.g. 2014-01-09T20:40:02.161Z.

Data Element (User Story)	Data Element (XML)	Data Type	Notes
EP Code	feed/entry/content/er:ExamRequest/Claim Information/EpCode	xsd:string	
Claim Label	feed/entry/content/er:ExamRequest/Claim Information/ClaimLabel	xsd:string	
Claim (Folder) Number	feed/entry/content/er:ExamRequest/Claim Information/ClaimFolderNumber	xsd:string	
Claim Folder Type	feed/entry/content/er:ExamRequest/Claim Information/ClaimFolderType	xsd:boolean	paper, electronic, or both
Claim File Review Required	feed/entry/content/er:ExamRequest/Claim Information/ClaimFileReviewRequired	xsd:boolean	YES or NO
Benefit Type	feed/entry/content/er:ExamRequest/Claim Information/BenefitType	xsd:string	C&P Live or C&P Death
Station	feed/entry/content/er:ExamRequest/Claim Information/Station	xsd:string	Regional Office
Separation Status	feed/entry/content/er:ExamRequest/ ClaimInformation/SeparationStatus	xsd:string	Pre-separation or Post-separation
Pre-separation Program	feed/entry/content/er:ExamRequest/Claim Information/PreseparationProgram	xsd:boolean	Must be Quickstart, BDD or IDES, if pre- separation
DoD Referring Physician (PMC)	feed/entry/content/er:ExamRequest/Claim Information/DoDReferringPhysician	xsd:string	
DoD Referring Physician Email Address	feed/entry/content/er:ExamRequest/Claim Information/DoDReferringPhysicianEmail	xsd:string	
Post-separation	feed/entry/content/er:ExamRequest/Claim Information/Postseparation	xsd:string	FDC or standard
VSO Listing Code	feed/entry/content/er:ExamRequest/Claim Information/VsoListingCode	xsd:string	
Power of Attorney (POA)	feed/entry/content/er:ExamRequest/Claim Information/PowerOfAttorney	xsd:string	
POA Code	feed/entry/content/er:ExamRequest/Claim Information/PowerOfAttorneyCode	xsd:string	None; VSO; Private
Allow POA Access to Documents	feed/entry/content/er:ExamRequest/Claim Information/AllowPowerOfAttorneyAccess ToDocuments	xsd:string	YES or NO
Branch of Service	feed/entry/content/er:ExamRequest/Claim Information/BranchOfService	xsd:string	
Active Duty Status	feed/entry/content/er:ExamRequest/Claim Information/ActiveDutyStatus	xsd:string	
Entry on Duty	feed/entry/content/er:ExamRequest/Claim Information/EntryOnDuty	xsd:string	
Service Separation Date	feed/entry/content/er:ExamRequest/Claim Information/ServiceSeparationDate	xsd:date	
Period of Service	feed/entry/content/er:ExamRequest/Claim Information/PeriodOfService	xsd:string	

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Contentions Information	feed/entry/content/er:ExamRequest/ContentionsInformation		An Exam Request can contain multiple contentions. At least one contention is mandatory. The Exam Request will contain the following set of information for each contention:
Contention	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention	xsd:string	/er:ExamRequest/ContentionsInformation/Contention/ContentionDescription
Contention Description	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/ContentionDescription	xsd:string	V/SM own description of condition
Contention Classification Code	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/ContentionClassificationCode	xsd:string	numeric code
Contention Classification Name	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/ContentionClassificationName	xsd:string	text description of the Contention Classification Code
Body System	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/BodySystem	xsd:string	
Body System Subgroup	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/BodySystem/BodySystemSubgroup	xsd:string	
Body System Subgroup Detail	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/BodySystem/BodySystemSubgroupDetail	xsd:string	
Contention UUID	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/ContentionUuid	xsd:string	– A universally unique identifier for the Contention. Generated by DEAP
Contention Level Status	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/ContentionLevelStatus	xsd:string	DEAP will send a value of 'Referred'.
Contention Type	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/ContentionType	xsd:string	
Special Issues	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/SpecialIssues	xsd:string	can contain more than one
Special Issue	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/SpecialIssues/SpecialIssue	xsd:string	
Comments	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/Comments	xsd:string	
Medical Opinion	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/MedicalOpinion	xsd:string	Medical opinion needed per contention? Yes/No
Stressor	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/Stressor	xsd:string	for PTSD
Military Occupational Specialty (MOS)	feed/entry/content/er:ExamRequest/ContentionsInformation/Contention/MosForHearingLoss	xsd:string	for Hearing Loss

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Contention Claimed for Compensation	feed/entry/content/er:ExamRequest/ ContentionsInformation/Contention /ContentionClaimedForCompensation	xsd:string	Yes/No (Compensation assessment per condition)
Contention Claimed for Pension	feed/entry/content/er:ExamRequest/ ContentionsInformation/Contention /ContentionClaimedForPension	xsd:string	Yes/No (Pension assessment per condition)
Note To Clinician	feed/entry/content/er:ExamRequest/Conte ntionsInformation/Contention/NoteToClini cian	xsd:string	
Exams	feed/entry/content/er:ExamRequest/ ExamsInformation/Exam	xsd:string	An Exam Request can contain requests for one or more examinations. For each requested exam the Exam Request will have the following information:
Exam	feed/entry/content/er:ExamRequest/ ExamsInformation/Exam	xsd:string	
Exam Template Document Type	feed/entry/content/er:ExamRequest/ ExamsInformation/Exam/ Exam Template Document Type	xsd:string	Name of the document type for the DBQ exam type requested. For example, ' <i>Heart Conditions Disability Benefits Questionnaire</i> '
Exam UUID	/er:ExamRequest/ExamsInformation/Exam /ExamUuid	xsd:string	A universally unique identifier for the Exam. Generated by DEAP.
Exam Name	feed/entry/content/er:ExamRequest/Exam sInformation /Exam/ExamName	xsd:string	Name of the exam that will be used by VBMS to populate the veteran's letter. This may be different from the "DBQ Document Type".
Exam Level Status	feed/entry/content/er:ExamRequest/Exam sInformation/Exam/ExamLevelStatus	xsd:string	DEAP will send a value of 'Referred'.
Clinician First Name	/er:ExamRequest/ExamsInformation/Exam /ClinicianFirstName	xsd:string	
Clinician Last Name	/er:ExamRequest/ExamsInformation/Exam /ClinicianLastName	xsd:string	
Note To Clinician	/er:ExamRequest/ExamsInformation/Exam /NoteToClinician	xsd:string	
Uniform Resource Locator (URL)	feed/entry/link/	xsd:string	Unique URL for the exam request document

### 3.5.3. Communication Methods

#### 3.5.3.1. Interface Initiation

This interface is triggered to begin processing when exam responses are received with 'Exam Request Referred Status' and successfully stored in the DAS Data Store.

#### 3.5.3.2. Flow Control

VBMS notifications will be sent through the RESTful Webservice by LENS Redis2Http application.

### 3.5.4. Security Requirements

NA

### 3.5.5. Assumptions

A RESTful Service must be available by vendor to receive the vendor Exam notifications sent through the Redis2Http component developed and configured on NodeJS application server by LENS Redis application.

The RESTful Service must be able to receive Atom feed documents in HTTP POST message from VLER DAS and able to process them successfully.

## 3.6. LENS – DEAP Exam Request Initiation Notification

The LENS application creates and sends a “Exam Request Initiation” event notifications to the DEAP system when VBMS sends a new Exam Request Initiation and it is stored in VLER Data Store (VDS) successfully. The event notification, which is an atom feed message, contains meta data and a link to the document stored in VDS.

DEAP Exam Request Initiation Notifications will be sent to a DEAP RESTful HTTP service enabled to consume the notification from DAS. Consumers wishing to receive notifications from DAS must communicate the following information:

RESTful HTTP service URL : <http://{host}:{port}/{service}>

Content-Type : “application/atom+xml” or any consumer specific e.g., “application/ xml” or “text/xml”

LENS will post the notification to the DEAP notification service URL via the Gateway(Java based).

### 3.6.1. Interface Processing Time Requirements

End to end response times for sending the notifications shall be less than 5 seconds (for 90% of all events).

### 3.6.2. Message/File Requirements

#### 3.6.2.1. Data Assembly Characteristics

This interface will utilize the XML message construct in Atom feed syndication format to send the Exam Request Initiation notification. The Atom feed XML elements contained in the notifications follow the standard Atom entry document schema; however, not all of the elements from the schema are included in the notification. The Atom feed content element contains the exam request initiation data as well as a second pass link for the subject document.

The Atom feed follows the Atom Syndication Format standard and Atom Publishing Protocol as defined in section 1.5.

A sample Exam Request Initiation notification is provided in [Appendix A](#).



### 3.6.2.2. Field/Element Definition

This section identifies the key data elements in each of the Exam Request Initiation notifications as defined by the requirements. For complete list of data elements esp. in the medical section refer to the Schemas in Appendix A.

The following table lists the common Atom feed XML elements contained in Exam Request Initiation. The data unique to each Exam Request Initiation notification will follow.

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
Feed	Feed	The root element of the Atom feed	
Title	feed/title	a human-readable title for an entry or feed	The version of the VA VLER DAS Life Event Notification Service (LENS)
Subtitle	feed/subtitle	A Text construct that conveys a human readable description or subtitle for a feed	"Exam Request Initiation Available Notification"
Id	feed/id	Conveys a permanent, universally unique identifier for an entry or feed.	The location of where the subject document is stored in the DAS Data Store. This value includes the database name, collection name, and unique identification number for the subject document in the following format: /database_name/collection_name/MongoDB_unique_id_number
Updated	feed/updated	the most recent instant in time when an entry or feed was modified in a way the publisher considers significant	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
Generator	feed/generator	Identifies the agent used to generate a feed, for debugging and other purposes	The version of the VA VLER DAS Life Event Notification Service (LENS)
Author	feed/author		
Name	feed/author/name	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"Data Access Service (DAS)"
Entry	feed/entry	an individual entry, acting as a container for metadata and data associated with the entry	
Title	feed/entry/title	a human-readable title for an entry or feed	"Exam Request Initiation Available"
Id	feed/entry/id	Conveys a permanent, universally unique identifier for an entry or feed.	/feed/entry/content/er:ExamRequestInitiation/ExamRequestInitiationUID
Published	feed/entry/published	a Date construct indicating an instant in time associated with an event early in the life cycle of the entry.	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
Updated	feed/entry/updated	the most recent instant in time when an entry or feed was	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
		modified in a way the publisher considers significant	DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
Author	feed/entry/author		
Name	feed/entry/author/name	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"Veterans Health Administration (VHA)"
Content	feed/entry/content	Contains content of the entry or links to the content of the entry	This element holds the main data about the notification. See the following table for elements contained in the content element.
Link	feed/entry/link	a reference from an entry or feed to a Web resource	<p>The information about the subject document. Attributes include:</p> <p><b>"title"</b> – the value of this attribute indicates the identity of the link. A value of "Subject Document" indicates that the link references the Exam Request Initiation data.</p> <p><b>"href"</b> – this value will contain the complete URL to the entity indicated in the "title" attribute.</p> <p><b>"type"</b> - indicates the HTTP Content-Type header of the entity indicated in the "title" attribute. e.g. "application/xml", "application/pdf"</p>

The following table lists the Exam Request Initiation data components within the Atom feed's content element

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Exam Request Status	feed/entry/content/er:ExamRequestInitiation/RequestStatus	xsd:string	DEAP will send with a value of 'Referred'.
Exam Request Initiation UUID	feed/entry/content/er:ExamRequestInitiation/RequestInitiationUuid	xsd:string	– A universally unique identifier of the Exam Request Initiation Generated by VBMS
Request Date	feed/entry/content/er:ExamRequestInitiation/RequestDate	xsd:date Time	(ie YYYY-MM-DDTHH:MM:SS.sssZ eg 2014-01-09T20:40:02.161Z) – Date and time the exam request was released by VBA to VHA.
Requesting Application Name	feed/entry/content/er:ExamRequestInitiation/RequestingApplicationName	xsd:string	The name of the application that initiated the exam request. Possible values are 'CAPRI' or 'DEAP'.
Requesting Organization	feed/entry/content/er:ExamRequestInitiation/RequestingOrganization	xsd:string	The name of the organization that initiated the exam request. Possible values are 'VHA' or 'VBA'.
VBA User Name	feed/entry/content/er:ExamRequestInitiation/VbaUserContactInfo/UserName	xsd:string	DEAP will provide this value as the last VHA user who modified the Exam Request within DEAP (autofilled). DAS will not alter this field.

Data Element (User Story)	Data Element (XML)	Data Type	Notes
VBA User Phone Number	feed/entry/content/er:ExamRequestInitiation/VbaUserContactInfo/PhoneNumber	xsd:string	System created – The unique identifier to the stored document in the DAS Data Store
VBA User Email Address	feed/entry/content/er:ExamRequestInitiation/VbaUserContactInfo/EmailAddresses	xsd:string	System created – the mime type of the stored document the DAS Data Store
Comments	feed/entry/content/er:ExamRequestInitiation/Comments	xsd:string	Free-form text field used to send extra information to the examiner
Claim Information	feed/entry/content/er:ExamRequestInitiation/ClaimInformation	xsd:string	
Veteran/Service Member (V/SM)	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation	xsd:string	
V/SM Full Name	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/FullName	xsd:string	(3-35 upper-case characters in length, and be in the format Family (Last), Given (First) Middle Suffix.)
V/SM Last Name	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/LastName	xsd:string	
V/SM First Name	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/FirstName	xsd:string	
V/SM Middle Name	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/MiddleName	xsd:string	
V/SM Last Name	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/LastName	xsd:string	
V/SM Social Security Number (SSN)	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/SocialSecurityNumber/Value	xsd:string	
VSM SSN Assigning Authority	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/SocialSecurityNumber/AssigningAuthority	xsd:string	
V/SM Date of Birth	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/DateOfBirth	xsd:date	format YYYY-MM-DD, e.g. 1950-10-10
V/SM Gender	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/Gender	xsd:string	
Flashes	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/Flashes	xsd:string	can contain more than one
V/SM Flash	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/Flashes/Flash	xsd:string	
Preferred Geographic Indicator	/feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/PreferredGeographicIndicator	Xsd:boolean	
V/SM Address 1	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/Address/Address1	xsd:string	
V/SM Address 2	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/Address/Address2	xsd:string	

Data Element (User Story)	Data Element (XML)	Data Type	Notes
V/SM Address 3	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/Address/Address3	xsd:string	
V/SM City	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/Address/City	xsd:string	
V/SM State or Province	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/Address/State	xsd:string	
V/SM Zip +4	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/Address/ZipCode	xsd:string	
V/SM Country	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/Country	xsd:string	
V/SM Primary Phone	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/PhoneType/PrimaryPhone	xsd:string	
V/SM Alternate Phone	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/PhoneType/AlternatePhone	xsd:string	
V/SM Email Address	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/EmailAddress	xsd:string	
V/SM ICN	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/IntegrationControlNumber/Value	xsd:string	Integration Control Number
V/SM ICN Assigning Authority	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/IntegrationControlNumber/AssigningAuthority	xsd:string	Assigning Authority or Assigning Facility
V/SM Participant ID	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/ParticipantId	xsd:string	
V/SM Electronic Data Interchange Personal Identifier	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/ElectronicDataInterchangePersonalIdentifier	xsd:string	(EDIPI)
File Number	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/FileName		(VBMS identifier)
Data File Number	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VeteranServiceMemberInformation/VistaIEN	Xsd:integer	(Vista IEN)
Payee	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/Payee	xsd:string	00-Veteran to 29-C&P 19th Child
Modifier	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/Modifier	xsd:string	DOD prefix necessary to identify first wife, second wife, first child, second child, third child, etc.
Comments	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/Comments	xsd:string	
Claim ID	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/ClaimId	xsd:string	Value will be received from VBMS. Example "123xyz".

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Claim Level Status	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/ClaimLevelStatus		
Claim Date	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/ClaimDate	xsd:date Time	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z.
Claim Type	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/ClaimType	xsd:string	
EP Code	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/EpCode	xsd:string	
Claim Label	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/ClaimLabel	xsd:string	
Claim (Folder) Number	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/ClaimFolderNumber	xsd:string	
Claim Folder Type	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/ClaimFolderType	xsd:boolean	paper, electronic, or both
Claim File Review Required	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/ClaimFileReviewRequired	xsd:boolean	YES or NO
Tabbed Evidence Indicator	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/TabbedEvidenceIndicator	xsd:boolean	
Tabbed Evidence Free Text	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/TabbedEvidenceFreeText	xsd:string	
Benefit Type	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/BenefitType	xsd:string	C&P Live or C&P Death
Station	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/Station	xsd:string	Regional Office
Separation Status	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/SeparationStatus	xsd:boolean	Pre-separation or Post-separation
Pre-separation Program	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/PreseparationProgram	xsd:string	Must be Quickstart, BDD or IDES, if pre-separation
Pre-discharge VA/DoD Exam	/feed/entry/content/er:ExamRequestInitiation/ClaimInformation/PredischargeVaDoDExam	xsd:boolean	
Pre-separation Program	/feed/entry/content/er:ExamRequestInitiation/ClaimInformation/PreseparationProgram	xsd:string	
Pre-discharge Intake Site	/feed/entry/content/er:ExamRequestInitiation/ClaimInformation/PredischargeIntakeSite	xsd:string	
DoD Referring Physician (PMC)	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/DoDReferringPhysician	xsd:string	
DoD Referring Physician Email Address	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/DoDReferringPhysicianEmail	xsd:string	
Post-separation	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/Postseparation	xsd:string	FDC or standard
VSO Listing Code	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/VsoListingCode	xsd:string	

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Power of Attorney (POA)	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/PowerOfAttorney	xsd:string	
POA Code	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/PowerOfAttorneyCode	xsd:string	None; VSO; Private
Allow POA Access to Documents	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/AllowPowerOfAttorneyAccessToDocuments	xsd:string	YES or NO
Branch of Service	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/BranchOfService	xsd:string	
Active Duty Status	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/ActiveDutyStatus	xsd:string	
Entry on Duty	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/EntryOnDuty	xsd:string	
Service Separation Date	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/ServiceSeparationDate	xsd:date	
Period of Service	feed/entry/content/er:ExamRequestInitiation/ClaimInformation/PeriodOfService	xsd:string	
Contentions Information	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation		An Exam Request can contain multiple contentions. At least one contention is mandatory. The Exam Request will contain the following set of information for each contention:
Contention	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention	xsd:string	/er:ExamRequestInitiation/ContentionsInformation/Contention/ContentionDescription
Contention Description	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/ContentionDescription	xsd:string	V/SM own description of condition
Contention Classification Code	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/ContentionClassificationCode	xsd:string	numeric code
Contention Classification Name	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/ContentionClassificationName	xsd:string	text description of the Contention Classification Code
Body System	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/BodySystem/Value	xsd:string	
Contention UUID	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/ContentionUuid	xsd:string	– A universally unique identifier for the Contention. Generated by DEAP
ACE Indicator	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/AceIndicator	Xsd:boolean	
Rated Name of Service Connected Disability	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/RatedNameOfServiceConnectedDisability	xsd:string	
VBA Rating Schedule Diagnostic Code	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/VbaRatingScheduleDiagnosticCode	xsd:string	

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Bilateral Indicator	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/BilateralIndicator	xsd:string	
CurrentEvaluationPercent	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/CurrentEvaluationPercent	xsd:string	
Contention Level Status	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/ContentionLevelStatus	xsd:string	DEAP will send a value of 'Referred'.
Contention Type	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/ContentionType	xsd:string	
Special Issues	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/SpecialIssues	xsd:string	can contain more than one
Special Issue	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/SpecialIssues/SpecialIssue	xsd:string	
Comments	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/Comments	xsd:string	
Medical Opinion	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/MedicalOpinion	xsd:string	Medical opinion needed per contention? Yes/No
Stressor	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/Stressor	xsd:string	for PTSD
Military Occupational Specialty (MOS)	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/MosForHearingLoss	xsd:string	for Hearing Loss
Contention Claimed for Compensation	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/ContentionClaimedForCompensation	xsd:string	Yes/No (Compensation assessment per condition)
Contention Claimed for Pension	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/ContentionClaimedForPension	xsd:string	Yes/No (Pension assessment per condition)
Note To Clinician	feed/entry/content/er:ExamRequestInitiation/ContentionsInformation/Contention/NoteToClinician	xsd:string	
Uniform Resource Locator (URL)	feed/entry/link/	xsd:string	Unique URL for the exam request initiation document

### 3.6.3. Communication Methods

#### 3.6.3.1. Interface Initiation

This interface is triggered to begin processing when exam request initiation are received and successfully stored in the DAS Data Store.

### **3.6.3.2. Flow Control**

DEAP notifications will be sent through the RESTful Webservice by LENS Redis2Http application.

### **3.6.4. Security Requirements**

NA

### **3.6.5. Assumptions**

A RESTful Service must be available by vendor to receive the vendor Exam notifications sent through the Redis2Http component developed and configured on NodeJS application server by LENS Redis application.

The RESTful Service must be able to receive Atom feed documents in HTTP POST message from VLER DAS and able to process them successfully.

## **3.7. LENS – Vendor Exam Result Rejected Notification**

The LENS application creates and sends a ‘DBQ Exam Result Rejected’ event notifications to the Vendor when a VHA reviewer rejects an Exam Result sent from the contracted vendor. The event notification, which is an atom feed message, contains meta data and a link to the document stored in VDS.

Vendor Exam Notifications will be sent to a vendor’s RESTful HTTP service enabled to consume the notification from DAS. Vendors wishing to receive notifications from VLER DAS must communicate the following information:

RESTful HTTP service URL : <http://{host}:{port}/{service}>

Content-Type : “application/atom+xml” or any consumer specific e.g., “application/ xml” or “text/xml”

LENS will post the notification to the Vendor notification service URL via the Gateway(Java based).

### **3.7.1. Interface Processing Time Requirements**

End to end response times for sending the notifications shall be less than 5 seconds (for 90% of all events).

### **3.7.2. Message/File Requirements**

#### **3.7.2.1. Data Assembly Characteristics**

This interface will utilize the XML message construct to send the DBQ preview notification. The xml document contains the NIEM Claim data component and the entry section contains the second pass link for each attachment.

Sample Vendor Exam Result Rejected notifications are provided in [Appendix A](#).

#### **3.7.2.2. Field/Element Definition**



This section identifies the key data elements in the notification as defined by the requirements. For complete list of data elements esp. in the medical section refer to the NIEM Schemas in Appendix A.

Below Data Elements will be send for 'Rejected' notification

Data Element	Data Element (XML)	Data Type	Notes
V/SM Last Name	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonSurname	xsd:string	
V/SM First Name	/feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonGivenName	xsd:string	
V/SM Middle Name	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonMiddleName	xsd:string	
V/SM Social Security Number (SSN)	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonSSNIdentification/nc:IdentificationID	xsd:string	
V/SM Date of Birth	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonBirthDate/nc:Date	xsd:dateTime	YYYY-MM-DD e.g.1929-12-24
V/SM Gender	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonSexCode	xsd:string	Valid values [M/F]
V/SM ID (ICN)		xsd:string	
V/SM ID (ICN) Assigning Authority		xsd:string	
Document ID	feed/entry/content/pr:Preview/nc:Document/nc:DocumentIdentification/nc:IdentificationID	xsd:string	
Disability Benefits Questionnaire (DBQ) Document Type	feed/entry/content/pr:Preview/nc:Document/nc:DocumentDescriptionText feed/entry/content/pr:Preview/nc:Document/nc:DocumentTitleText	xsd:string	
Create Date	feed/entry/content/pr:Preview/nc:Document/nc:DocumentCreationDate/nc:DateTime	xsd:dateTime	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
Physician Last Name	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonSurname	xsd:string	
Physician First Name	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonGivenName	xsd:string	
Physician Middle Name	feed/entry/content/pr:Preview/nc:Person[s:id="one"]/nc:PersonName/nc:PersonMiddleName	xsd:string	

Data Element	Data Element (XML)	Data Type	Notes
Physician ID	feed/entry/content/pr:Preview/vler:ServiceProvider/vler:PersonIdentifier/nc:IdentificationID	xsd:string	e.g., National Provider Identifier
Physician Assigning Facility or Assigning Authority	feed/entry/content/pr:Preview/vler:ServiceProvider/vler:PersonIdentifier/nc:IdentificationJurisdictionText	xsd:string	Assigning Facility or Assigning Authority
Status	feed/entry/content/pr:Preview/nc:Document/nc:DocumentStatus/nc:StatusText	xsd:string	Allowable value "Rejected"
Physical Source	feed/entry/content/pr:Preview/vler:ExamDetail/vler:PhysicalSource	xsd:string	<p>&lt;pr:PhysicalSource&gt;</p> <p>Current identified values :</p> <ul style="list-style-type: none"> <li>VHA_CAPRI</li> </ul> <p>Note : Content-Type is "application/xml" can override to anytype.</p>
Uniform Resource Locator (URL)	feed/entry/link[1 - N]	xsd:string	Refer to above Atom feed XML elements table for comprehensive details.
Status Date	feed/entry/content/pr:Preview/vler:ExamDetail/vler:StatusDate	xsd:dateTime	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH: MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z.
Claim Number	feed/entry/content/pr:Preview/pr:ClaimNumber	xsd:string	
Notify Event Time Stamp	feed/updated	xsd:dateTime	<p>Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH: MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z.</p> <p>System created – the current date/time value when notification is created.</p>
Examiner Type	feed/entry/content/pr:Preview/vler:ExamDetail/vler:ExaminerType	xsd:string	<p>Current allowable values :</p> <ul style="list-style-type: none"> <li>In-house (VHA examiners): 'In-house'</li> <li>Contracted: 'Contracted'</li> <li>External (private examiners): 'External'</li> </ul>
Contract Type	feed/entry/content/pr:Preview/vler:ExamDetail/vler:ContractType	xsd:string	<p>Current allowable values :</p> <ul style="list-style-type: none"> <li>➤ 'VBA' (VBA Contract)</li> <li>➤ 'VHA' (VHA Contract)</li> </ul> <p>Required only when Examiner type is 'Contracted'.</p>

Data Element	Data Element (XML)	Data Type	Notes
Approver Last Name	feed/entry/content/pr:Preview/nc:Person[s:id="three"]/nc:PersonName/nc:PersonSurname	xsd:string	
Approver First Name	feed/entry/content/pr:Preview/nc:Person[s:id="three"]/nc:PersonName/nc:PersonGivenName	xsd:string	
Approver Middle Name	feed/entry/content/pr:Preview/nc:Person[s:id="three"]/nc:PersonName/nc:PersonMiddleName	xsd:string	
Approver ID		xsd:string	
Approver Assigning Facility or Assigning Authority		xsd:string	
VHA Facility ID	feed/entry/content/pr:Preview/nc:Facility/nc:FacilityIdentification/nc:IdentificationID	xsd:string	
VHA Facility Name	feed/entry/content/pr:Preview/nc:Facility/nc:FacilityName	xsd:string	
VHA Facility ID Assigning Authority	feed/entry/content/pr:Preview/nc:Facility/nc:FacilityIdentification/nc:IdentificationJurisdictionText	xsd:string	
Exam ID	feed/entry/content/pr:Preview/vler:ExamDetail/vler:ExamId	xsd:string	
Comments	feed/entry/content/pr:Preview/vler:ExamDetail/vler:Comments	xsd:string	

**Table 4 Key element in Vendor Exam Rejected notification**

### **3.7.3. Communication Methods**

#### **3.7.3.1. Interface Initiation**

This interface is triggered to begin processing when an exam result is received by DAS with a status of “Rejected”.

#### **3.7.3.2. Flow Control**

Vendor Exam Result Rejected notifications will be sent through the Redis2Http component developed and configured on NodeJS application server by LENS Redis application: A Vendor Restful Service need to be available to receive the Notifications

### **3.7.4. Security Requirements**

N/A

### 3.7.5. Assumptions

A RESTful Service must be available by vendor to receive the vendor Exam notifications sent through the Redis2Http component developed and configured on NodeJS application server by LENS Redis application.

The RESTful Service must be able to receive Atom feed documents in HTTP POST message from VLER DAS and able to process them successfully.

## 3.8. LENS –VHA Exam Notification

The LENS application creates a VHA notification when an Exam Result has been stored with a status of "Pending-UnderReview" and when an Exam Manifest is stored in the VLER Data Store (VDS) successfully. The storage of these documents trigger an event notification called "Exam Result Available Status Pending-UnderReview" notification and "Exam Result Manifest Available" notification, respectfully. Each event notification, which is an atom feed message, contains meta data and a link to the document stored in the VDS.

VHA's Exam Result Available Status Pending-UnderReview notifications and Exam Result Manifest Available notifications for CAPRI are stored in the VDS. CAPRI may retrieve the notifications from the VDS by issuing HTTP GET requests. Please refer to the DAS eCRUD ICD for the URLs needed for retrieving the notification.

VHA's Exam Result Available Status Pending-UnderReview notifications for PUR are sent to a RESTful Service able to receive Atom feed documents in an HTTP POST message from DAS.

### 3.8.1. Interface Processing Time Requirements

End to end response times for retrieving the notifications is dependent on the client RESTful HTTP service.

### 3.8.2. Message/File Requirements

#### 3.8.2.1. Data Assembly Characteristics

This interface will utilize the XML message construct to send the notification. The XML document contains the NIEM Claim data component and the entry section contains the second pass link for each attachment.

Sample VHA Exam notifications are provided in [Appendix A](#).

#### 3.8.2.2. Field/Element Definition

This section identifies the key data elements in the notification as defined by the requirements. For complete list of data elements esp. in the medical section refer to the NIEM Schemas in Appendix A.

Below Data Elements will be send for 'Exam Result Available Status Pending-UnderReview' notification.

Data Element	Data Type	Notes
V/SM Last Name	ASCII	
V/SM First Name	ASCII	

Data Element	Data Type	Notes
V/SM Middle Name	ASCII	
V/SM Social Security Number (SSN)	ASCII	
V/SM Date of Birth	Date	
V/SM Gender	ASCII	M/F
V/SM ID (ICN)	ASCII	Integration Control Number [ICN]
V/SM ID (ICN) Assigning Authority	ASCII	
Document ID	ASCII	<nc:DocumentIdentification> <nc:IdentificationID>
Disability Benefits Questionnaire (DBQ) Document Type	ASCII	<nc:DocumentDescriptionText>
Create Date	W3 Date Time	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z  <nc:Document> <nc:DocumentCreationDate> <nc:DateTime>
Physician Last Name	ASCII	
Physician First Name	ASCII	
Physician Middle Name	ASCII	
Physician ID	ASCII	e.g., National Provider Identifier
Physician Assigning Facility or Assigning Authority	ASCII	Assigning Facility or Assigning Authority
Status	ASCII	Pending-UnderReview
Physical Source	ASCII	Current identified values :  <ul style="list-style-type: none"> <li>VHA_CAPRI</li> </ul> Note : Content-Type is "application/xml" can override to anytype.
Uniform Resource Locator (URL)	ASCII	

Data Element	Data Type	Notes
Status Date	W3 Date Time	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
Claim Number	ASCII	<pr:ClaimID>
Notify Event Time Stamp / Date of Receipt	W3 Date Time	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH: MM: SS.sssZ, e.g. 2014-01-09T20:40:02.161Z.
Examiner Type	ASCII	Current allowable values : <ul style="list-style-type: none"> <li>• In-house (VHA examiners): 'In-house'</li> <li>• Contracted: 'Contracted'</li> <li>• External (private examiners): 'External'</li> </ul>
Contract Type	ASCII	Current allowable values : <ul style="list-style-type: none"> <li>• VBA (VBA Contract)</li> <li>• VHA (VHA Contract)</li> </ul>
VHA Facility ID	ASCII	
VHA Facility Name	ASCII	
VHA Facility ID Assigning Authority	ASCII	
Exam ID	ASCII	
Comments	ASCII	

**Table 6 Key element in Exam Result Available Status Pending-UnderReview notification**

Below Data Elements will be send for “Exam Result Manifest Available” notification.

Data Element	Data Type	Notes
Uniform Resource Locator (URL)	ASCII	Unique URL for the exam manifest document stored in VDS
Notify Event Time Stamp	W3 Date Time	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH: MM: SS.sssZ, e.g. 2014-01-09T20:40:02.161Z.
Manifest ID	ASCII	
Facility ID	ASCII	A.K.A. Station Number

Data Element	Data Type	Notes
Status	ASCII	<p>Current identified values :</p> <ul style="list-style-type: none"> <li>• 'Open'</li> <li>• 'InProgress+ textvalue with datetime' - (sample "InProgress+2014-01-09T20:40:02.151Z")</li> <li>• 'Closed'</li> </ul>

**Table 7 Key element in Exam Result Manifest Available notification**

### **3.8.3. Communication Methods**

#### **3.8.3.1. Interface Initiation**

This interface is triggered to begin processing when an Exam Result has been stored with a status of "Pending-UnderReview" or when an Exam Manifest is stored in the VLER Data Store (VDS) successfully.

#### **3.8.3.2. Flow Control**

VHA's Exam Result Available Status Pending-UnderReview notifications and Exam Result Manifest Available notifications for CAPRI are stored in the VDS. VHA may retrieve these notifications from the VDS by utilizing a RESTful HTTP service enabled to consume the notification from VDS.

VHA's Exam Result Available Status Pending-UnderReview notifications for PUR are sent to a RESTful Service able to receive Atom feed documents in an HTTP POST message from DAS.

### **3.8.4. Security Requirements**

N/A

### **3.8.5. Assumptions**

VHA using the CAPRI system will use a RESTful HTTPS Service to retrieve the stored notifications from the VDS. The RESTful HTTPS Service must be able to receive atom feed documents from VLER DAS as the response to the HTTP GET request sent from the RESTful HTTPS Service and able to process the response successfully.

VHA using the PUR system will use a RESTful Service able to receive Atom feed documents in an HTTP POST message from DAS.

## **3.9. LENS – VBMS Exam Level Status Update Notification**

The LENS application creates and publishes 'Exam Status Update' event notifications to VBMS when an exam status response from the Disability Exam and Assessment Program (DEAP) system is stored in DAS Data Store (DDS) successfully. The event notification is an Atom feed message containing the valid second-pass links to the document and attachments stored in DDS along with the contention status update response metadata.

VBMS notifications will be sent through the JMS Topics configured on WebLogic application server by Redis2JMS application.

Exam Response Notifications to VBMS will be published to the following topic:

**Binding:** jms/das/DefaultXAConnectionFactory

**Initial Context Factory:** weblogic.jndi.WLInitialContextFactory

**Provider URL:** t3s://{host}:{port} ( Gold (Pre-prod and Production) – Certificates required

**Provider URL:** t3://{host}:{port} ( Dev and Silver(Test)

**Topic :** jms.core.dbq.ExamStatusUpdateTopic

### 3.9.1. Interface Processing Time Requirements

End to end response times for sending the notifications shall be less than 5 seconds (for 90% of all events).

### 3.9.2. Message/File Requirements

#### 3.9.2.1. Data Assembly Characteristics

This interface will utilize the XML message construct in Atom feed syndication format to send the Contention Status response notification. The Atom feed XML elements contained in the notifications follow the standard Atom entry document schema; however, not all of the elements from the schema are included in the notification. The Atom feed content element contains the Exam Status Update data . Following this is the second pass link for the original status change request received from DEAP and stored in DAS.

The Atom feed follows the Atom Syndication Format standard and Atom Publishing Protocol as defined in section 1.5.

A sample Exam Response notification is provided in [Appendix A](#).

#### 3.9.2.2. Field/Element Definition

This section identifies the key data elements in the notification as defined by the requirements.

The following table lists information on the schemas used for the VBMS Exam Status Update Response notification

Schema Name	Location	Version	Notes
atom.xsd	http://www.w3.org/2005/Atom/	0.2	
niem-core.xsd (nc)	http://release.niem.gov/niem/niem-core/2.0/	2.0	



structures.xsd (s)	<a href="http://niem.gov/niem/structures/2.0/">http://niem.gov/niem/structures/2.0/</a>	2.0	
ExamStatusUpdate-1.0	<a href="http://va.gov/vler/schemas/vlerSupersetSchema/ExamStatusUpdate/1.0">http://va.gov/vler/schemas/vlerSupersetSchema/ExamStatusUpdate/1.0</a>	1.0	

The following table lists the Atom feed XML elements contained in the VBMS Exam Status Update Response notification

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
feed	feed	The root element of the Atom feed	
title	feed/title	a human-readable title for an entry or feed	The version of the VA VLER DAS Life Event Notification Service (LENS)
subtitle	feed/subtitle	A Text construct that conveys a human readable description or subtitle for a feed	Exam Status Update Notification
id	feed/id	Conveys a permanent, universally unique identifier for an entry or feed.	The location of where the subject document is stored in the VLER Data Store. This value includes the database name, collection name, and unique identification number for the subject document in the following format: /database_name/collection_name/MongoDB_unique_id_number
updated	feed/updated	the most recent instant in time when an entry or feed was modified in a way the publisher considers significant	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
generator	feed/generator	Identifies the agent used to generate a feed, for debugging and other purposes	The version of the VA VLER DAS Life Event Notification Service (LENS)
author	feed/author		
name	feed/author/name	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"Data Access Service (DAS)"
entry	feed/entry	an individual entry, acting as a container for metadata and data associated with the entry	
title	feed/entry/title	a human-readable title for an entry or feed	Exam Status Update
id	feed/entry/id	Conveys a permanent, universally unique identifier for an entry or feed.	feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Document/nc:DocumentIdentification/nc:IdentificationID
published	feed/entry/published	a Date construct indicating an instant in time associated with an event early in the life cycle of the entry.	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
updated	feed/entry/updated	the most recent instant in time when an entry or feed was modified in a way the publisher considers significant	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
author	feed/entry/author		
name	feed/entry/author/name	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"Veterans Health Administration (VHA)"
content	feed/entry/content	Contains content of the entry or links to the content of the entry	The "type" attribute indicates the HTTP Content-Type header of the subject document e.g. "application/xml" can be overwritten with "application/atom+xml"
link	feed/entry/link	a reference from an entry or feed to a Web resource	<p>The information about the subject document and any attachments included in the subject document. Attributes include:</p> <p><b>"title"</b> – the value of this attribute indicates the identity of the link. A value of "Subject Document" indicates that the link references the Exam Response form. A value of "Attachment" indicates attachments submitted with the Exam Response form.</p> <p><b>"href"</b> – this value will contain the complete URL to the entity indicated in the "title" attribute.</p> <p><b>"type"</b> - indicates the HTTP Content-Type header of the entity indicated in the "title" attribute. e.g. "application/xml", "application/pdf"</p>

The following table lists the Exam Level Status Update Response data components within the Atom feed's content element

Data Element (User Story)	Data Element (XML)	Data Type	Notes
---------------------------	--------------------	-----------	-------

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Exam Level Status	ExamLevelStatus	xsd:string	<ul style="list-style-type: none"> <li>• New (Default status for Exam/DBQ)</li> <li>• Triage Complete(Exam/DBQ is ready to be scheduled with a clinician)</li> <li>• Assigned (ACE-Exam/DBQ has been placed into scheduling system for clinician)</li> <li>• Scheduled(Exam/DBQ has been placed into scheduling system for clinician and scheduled with Claimant)</li> <li>• Referred (Exam/DBQ has been referred to VHA contracted vendor)</li> <li>• Exam Result Available (Exam Results completed by VHA contracted vendor, ready for review by VHA QC)</li> <li>• Result Under Review (Contracted vendor Exam Result is being reviewed by VHA QC)</li> <li>• Completed (VHA clinician has released the Exam Result to VBMS via DAS)</li> <li>• Result Accepted by AHA (VHA QC approves contracted vendor Exam Result for release to VBA)</li> <li>• Result Rejected by AHA (VHA QC disapproves Exam Result; Return to contracted vendor for rework)</li> <li>• Result Accepted by VBA(VBA QC approves contracted vendor Exam Result for release to VBA)</li> <li>• Result Rejected by VBA(VBA QC disapproves Exam Result; Return to contracted vendor for rework)</li> <li>• Cancelled (Exam has been cancelled itself or due to cancellation of the parent Exam Request or Contention)</li> </ul>

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Date Of Cancellation	DateOfCancellation	xsd:date	
Reason For Cancellation	ReasonForCancellation	xsd:string	<ul style="list-style-type: none"> <li>• RO Cancelled Request</li> <li>• Insufficient Request</li> <li>• Duplicate Request</li> <li>• Undelivered Notification</li> <li>• Employee</li> <li>• Veteran Hospitalized</li> <li>• Veteran Died</li> <li>• Exam Refused at this Location</li> <li>• Failed to RSVP</li> <li>• Failed to Report</li> <li>• Veteran Refused Reschedule</li> <li>• Other</li> </ul>
Date Of Exam Status Change	DateOfExamStatusChange	xsd:date	YYYY-MM-DD e.g.1929-12-24
Exam Request Initiation UUID	ExamRequestInitiation/Uuid	xsd:string	
Contention UUIDS	ContentionUuids	xsd:string	
VHA Point Of Contact Phone Number	VhaPointOfContactPhoneNumber	xsd:string	
Name Of Ordered Exam	NameOfOrderedExam	xsd:string	
Medical Examination UUID	MedicalExaminationUuid	xsd:string	

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Specific Location Of Exam	SpecificLocationOfExam	xsd:string	
Date Exam Last Scheduled	DateExamIsScheduled	xsd:date	YYYY-MM-DD e.g.1929-12-24

**Table 5 Key element in VBMS Exam Status Update Response notification**

### 3.9.3. Communication Methods

#### 3.9.3.1. Interface Initiation

This interface is triggered to begin processing when exam status update responses are received and successfully stored in the DAS Data Store.

#### 3.9.3.2. Flow Control

VBMS notifications will be sent through the JMS Topics configured on Weblogic application server by LENS Redis2JMS application.

### 3.9.4. Security Requirements

The interface will be designed to utilize Weblogic JMS Topic with bi-directional certificate validation.

This interface will use Mutual TLS Authentication with VA issued certificates to identify and authorize server-to-server communications. The JMS Objects are secured by a User ID and Password and can only be accessed with-in the Weblogic JNDI context.

## 3.10. LENS – VBMS DBQ Contention Status Update Notification

The LENS application creates and publishes ‘Contention Status Update’ event notifications to VBMS when an contention status response from the Disability Exam and Assessment Program (DEAP) system with a status of ‘Triaging’ or ‘Clarification Request’ is stored in DAS Data Store (DDS) successfully. The event notification is an Atom feed message containing the valid second-pass links to the document and attachments stored in DDS along with the contention status update response metadata.

VBMS notifications will be sent through the JMS Topics configured on WebLogic application server by Redis2JMS application.

Exam Response Notifications to VBMS will be published to the following topic:

**Binding:** jms/das/DefaultXAConnectionFactory

**Initial Context Factory:** weblogic.jndi.WLInitialContextFactory

**Provider URL:** t3s://{host}:{port} ( Gold (Pre-prod and Production) – Certificates required

**Provider URL:**t3://{host}:{port} ( Dev and Silver(Test)

### 3.10.1. Interface Processing Time Requirements

End to end response times for sending the notifications shall be less than 5 seconds (for 90% of all events).

### 3.10.2. Message/File Requirements

#### 3.10.2.1. Data Assembly Characteristics

This interface will utilize the XML message construct in Atom feed syndication format to send the Contention Status response notification. The Atom feed XML elements contained in the notifications follow the standard Atom entry document schema; however, not all of the elements from the schema are included in the notification. The Atom feed content element contains the Contention Status Update date . Following this is the second pass link for the original status change request received from DEAP and stored in DAS.

The Atom feed follows the Atom Syndication Format standard and Atom Publishing Protocol as defined in section 1.5.

A sample Exam Response notification is provided in [Appendix A](#).

#### 3.10.2.2. Field/Element Definition

This section identifies the key data elements in the notification as defined by the requirements.

The following table lists information on the schemas used for the VBMS Contention Status Update Response notification

Schema Name	Location	Version	Notes
atom.xsd	<a href="http://www.w3.org/2005/Atom/">http://www.w3.org/2005/Atom/</a>	0.2	
niem-core.xsd (nc)	<a href="http://release.niem.gov/niem/niem-core/2.0/">http://release.niem.gov/niem/niem-core/2.0/</a>	2.0	
structures.xsd (s)	<a href="http://niem.gov/niem/structures/2.0/">http://niem.gov/niem/structures/2.0/</a>	2.0	
ContentionStatusUpdate-1.0	<a href="http://va.gov/vler/schemas/vlerSupersetSchema/ContentionStatusUpdate/1.0">http://va.gov/vler/schemas/vlerSupersetSchema/ContentionStatusUpdate/1.0</a>	1.0	

The following table lists the Atom feed XML elements contained in the VBMS Contention Status Update Response notification

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
feed	feed	The root element of the Atom feed	
title	feed/title	a human-readable title for an entry or feed	The version of the VA VLER DAS Life Event Notification Service (LENS)
subtitle	feed/subtitle	A Text construct that conveys a human readable description or subtitle for a feed	Contention Status Update Notification
id	feed/id	Conveys a permanent, universally unique identifier for an entry or feed.	The location of where the subject document is stored in the VLER Data Store. This value includes the database name, collection name, and unique identification number for the subject document in the following format: /database_name/collection_name/MongoDB_unique_id_number
updated	feed/updated	the most recent instant in time when an entry or feed was modified in a way the publisher considers significant	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
generator	feed/generator	Identifies the agent used to generate a feed, for debugging and other purposes	The version of the VA VLER DAS Life Event Notification Service (LENS)
author	feed/author		
name	feed/author/name	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"Data Access Service (DAS)"
entry	feed/entry	an individual entry, acting as a container for metadata and data associated with the entry	
title	feed/entry/title	a human-readable title for an entry or feed	Contention Status Update
id	feed/entry/id	Conveys a permanent, universally unique identifier for an entry or feed.	feed/entry/content/cld:ExamResponse/cld:CommonData/nc:Document/nc:DocumentIdentification/nc:IdentificationID
published	feed/entry/published	a Date construct indicating an instant in time associated with an event early in the life cycle of the entry.	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
updated	feed/entry/updated	the most recent instant in time when an entry or feed was modified in a way the publisher considers significant	Date, Time, and Time Zone set to GMT, i.e. YYYY-MM-DDTHH:MM:SS.sssZ, e.g. 2014-01-09T20:40:02.161Z
author	feed/entry/author		
name	feed/entry/author/name	a Person construct that indicates the author of the entry or feed (A Person construct is an element that describes a person, corporation, or similar entity)	"Veterans Health Administration (VHA)"

Data Element	Data Element (XML)	Schema Definition of Data Element	VLER DAS Notification Value
content	feed/entry/content	Contains content of the entry or links to the content of the entry	The "type" attribute indicates the HTTP Content-Type header of the subject document e.g. "application/xml" can be overwritten with "application/atom+xml"
link	feed/entry/link	a reference from an entry or feed to a Web resource	<p>The information about the subject document and any attachments included in the subject document. Attributes include:</p> <p><b>"title"</b> – the value of this attribute indicates the identity of the link. A value of "Subject Document" indicates that the link references the Exam Response form. A value of "Attachment" indicates attachments submitted with the Exam Response form.</p> <p><b>"href"</b> – this value will contain the complete URL to the entity indicated in the "title" attribute.</p> <p><b>"type"</b> - indicates the HTTP Content-Type header of the entity indicated in the "title" attribute. e.g. "application/xml", "application/pdf"</p>

The following table lists the Contention Status Update Response data components within the Atom feed's content element

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Contention UUID	ContentionUuid	xsd:string	
Exam Request Initiation UUID	ExamRequestInitiation/Uuid	xsd:string	
Date Of Contention Status Change	DateOfContentionStatusChange	xsd:date	YYYY-MM-DD e.g.1929-12-24



Data Element (User Story)	Data Element (XML)	Data Type	Notes
Reason For Clarification Request	ReasonForClarificationRequest	xsd:string	<ul style="list-style-type: none"> <li>• Contention(s) not clear</li> <li>• Instructions in General Remarks are not clear</li> <li>• Instructions in General Remarks identify wrong body system for contention(s)</li> <li>• Not identified as pre separation</li> <li>• Military service dates missing</li> <li>• Last C/P evaluation date missing</li> <li>• Necessary medical evidence not made available to examiner</li> </ul>
Reason For Clarification Request Comments	ReasonForClarificationRequestComments	xsd:string	Max. length of the Text is 2000 .
VHA Point Of Contact Phone Number	VhaPointOfContactPhoneNumber	xsd:string	

Data Element (User Story)	Data Element (XML)	Data Type	Notes
Contention Status		xsd:string	<ul style="list-style-type: none"> <li>• New (Contention assigned to Triage Team queue, pending triage process)</li> <li>• Triaging(VHA triage process is occurring for the Contention)</li> <li>• Triage Complete(Contention is ready to be sent to clinician)</li> <li>• Clarification Request(VHA requests rework from VBA for the Contention)</li> <li>• Referred(Contention has been sent to a VHA contracted vendor)</li> <li>• Scheduled (Exams for Contention have been scheduled and/or assigned or sent to a VHA contracted vendor for completion)</li> <li>• Under VHA Review(Contention-associated Exams Results produced by a contracted vendor are undergoing VHA QC)</li> <li>• Supporting Result(s) Released by VHA(All Exam Results for the Contention have been completed and released to DAS)</li> <li>• Supporting Result(s) Rejected by VHA(Any Exam Result for the Contention has been rejected by QC and returned to vendor via DAS)</li> <li>• Supporting Result(s) Accepted by VBA(All Exam Results supporting this Contention are in "Result Accepted by VBA)</li> <li>• Supporting Result(s) Rejected by VBA(Any Exam Result supporting this Contention is in "Result Rejected by VBA)</li> <li>• Cancelled(Contention has been removed due to cancellation of the parent Exam Request or by VBA removal of the Contention)</li> </ul> <p>Closed(Parent Exam Request has been Closed)</p>

**Table 6 Key element in VBMS Contention Status Update Response notification**

### **3.10.3. Communication Methods**

#### **3.10.3.1. Interface Initiation**

This interface is triggered to begin processing when contention status update responses are received and successfully stored in the DAS Data Store.

#### **3.10.3.2. Flow Control**

VBMS notifications will be sent through the JMS Topics configured on Weblogic application server by LENS Redis2JMS application.

### **3.10.4. Security Requirements**

The interface will be designed to utilize Weblogic JMS Topic with bi-directional certificate validation.

This interface will use Mutual TLS Authentication with VA issued certificates to identify and authorize server-to-server communications. The JMS Objects are secured by a User ID and Password and can only be accessed with-in the Weblogic JNDI context.

## Appendix A – Schemas and Sample Atom Feeds

**NOTE:** The following Atom Feed samples should be used for reference only. All notifications supported by DAS should use their associated schema as the ‘official’ format. The versions of the schema(s) indicated in the Atom Feed samples might not be the current version being used. It is the responsibility of the developer to verify the current version(s).

### STR Schemas



Disability\_Benefit\_Qu  
estionnaires\_Cliams\_I

### LENS – eCFT DBQ Notification



eCFT\_DBQ\_Notificati  
on.rtf

Sample of eCFT DBQ Notification

```
<?xml version="1.0" encoding="UTF-8"?>
<feed xmlns="http://www.w3.org/2005/Atom"
      xsi:schemaLocation="http://www.w3.org/2005/Atom
..XMLSchemas/atom/2005/vLer/0.2/atom.xsd"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.7/vLer"
      xmlns:s="http://niem.gov/niem/structures/2.0"
      xmlns:pr="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAss
essments/cpExams/1.0"
      xmlns:nc="http://niem.gov/niem/niem-core/2.0">
  <title type="text">VA VLER DAS Life Event Notification Service (LENS)
    ver. 0.1</title>
  <subtitle type="text">DBQ CARDIO Heart</subtitle>
  <id>/core/disabilityBenefitsQuestionnaires/530666264f7da5a132000004
</id>
  <generator version="0.1">VA VLER DAS Life Event Notification
    Service (LENS)</generator>
  <author><name>VA VLER DAS Life Event Notification Service
(LENS)</name></author>
  <entry>
    <title>DBQ CARDIO Heart</title>
    <id>B78B4638-2A24-4E78-A251-FDBDB051AEAA</id>
    <author>
      <name>RILEY ROSS</name>
```

```

    </author>
    <content type="application/xml">
      <cld:Claim

        xmlns:cir="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1.3/ColdInjuryResiduals"
        xmlns:nc="http://niem.gov/niem/niem-core/2.0" xmlns:niem-
xsd="http://niem.gov/niem/proxy/xsd/2.0"
        xmlns:s="http://niem.gov/niem/structures/2.0"
xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/vler"
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

        xmlns:cld="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1.3"

        xsi:schemaLocation="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1.3 ../XMLschemas/exchange/Claim.xsd">
        <cld:DocumentTypeVersion>2.0</cld:DocumentTypeVersion>
        <cld:ClaimID>2013-0000407</cld:ClaimID>
        <cld:CommonData>
          <nc:Document>
            <nc:DocumentCreationDate>
              <nc:DateTime>2013-05-01T13:42:58-
04:00</nc:DateTime>
            </nc:DocumentCreationDate>
            <nc:DocumentDescriptionText>Cold Injury
Residuals</nc:DocumentDescriptionText>
            <nc:DocumentIdentification>
              <nc:IdentificationID>1375</nc:IdentificationID>
            </nc:DocumentIdentification>
            <nc:DocumentIdentification>
              <nc:IdentificationID>2233</nc:IdentificationID>
              <nc:IdentificationCategoryText>VTA
Tracking Identifier</nc:IdentificationCategoryText>
              <nc:IdentificationCategoryDescriptionText />
            </nc:DocumentIdentification>
            <nc:DocumentIdentification>
              <nc:IdentificationID>20131211-
004</nc:IdentificationID>
              <nc:IdentificationCategoryText>eCFT
Case ID</nc:IdentificationCategoryText>
              <nc:IdentificationCategoryDescriptionText />
            </nc:DocumentIdentification>
            <nc:DocumentStatus>
              <nc:StatusText>Completed</nc:StatusText>
            </nc:DocumentStatus>
            <nc:DocumentTitleText>Cold Injury
Residuals</nc:DocumentTitleText>
          </nc:Document>
          <vler:Client s:id="client">

```

```

        <vler:ClientIdentifier>

<nc:IdentificationID>369854103</nc:IdentificationID>

<vler:AssigningAuthority>2.16.840.1.113883.3.184
        </vler:AssigningAuthority>
        </vler:ClientIdentifier>
        <vler:ClientIdentifier>

<nc:IdentificationID>0000000002</nc:IdentificationID>

<vler:AssigningAuthority>2.16.840.1.113883.3.42.10001.100001.12
        </vler:AssigningAuthority>
        </vler:ClientIdentifier>
        <vler:ClientStatus>

<vler:ClientStatusText>OK</vler:ClientStatusText>
        </vler:ClientStatus>
        <nc:RoleOfPersonReference s:ref="one" />
    </vler:Client>
    <vler:ServiceProvider s:id="service_provider">
        <vler:PersonIdentifier>

<nc:IdentificationID>CA109</nc:IdentificationID>

<nc:IdentificationJurisdictionText>Harris Form
System</nc:IdentificationJurisdictionText>
        </vler:PersonIdentifier>

<vler:ServiceProviderRoleTitle>Physician</vler:ServiceProviderRoleTitle>
        <nc:RoleOfPersonReference s:ref="two" />
    </vler:ServiceProvider>
    <nc:Person s:id="two">
        <nc:PersonName>

<nc:PersonGivenName>JESSICA</nc:PersonGivenName>
        <nc:PersonMiddleName />

<nc:PersonSurName>LAWARENCE</nc:PersonSurName>
        </nc:PersonName>
    </nc:Person>
    <nc:Person s:id="one">
        <nc:PersonBirthDate>
            <nc:Date>1971-06-15</nc:Date>
        </nc:PersonBirthDate>
        <nc:PersonName>

<nc:PersonGivenName>John</nc:PersonGivenName>

<nc:PersonMiddleName>W</nc:PersonMiddleName>

<nc:PersonSurName>Jones</nc:PersonSurName>
        </nc:PersonName>
        <nc:PersonSexCode>M</nc:PersonSexCode>
        <nc:PersonSSNIdentification>

```

```

<nc:IdentificationID>369854103</nc:IdentificationID>
    </nc:PersonSSNIdentification>
  </nc:Person>
  <nc:Facility>
    <nc:FacilityIdentification>

    <nc:IdentificationID>600</nc:IdentificationID>

    <nc:IdentificationJurisdictionText>LONG-
BEACH.MED.VA.GOV</nc:IdentificationJurisdictionText>
    </nc:FacilityIdentification>
    <nc:FacilityName>VA LONG BEACH HEALTHCARE
SYSTEM</nc:FacilityName>
    </nc:Facility>
    <vler:ServiceProviderClientAssociation>
      <vler:ServiceProviderReference
        s:ref="service_provider" />
      <vler:ClientReference s:ref="client" />
    </vler:ServiceProviderClientAssociation>
  </cld:CommonData>
  <cld:MedicalData>
    <cir:ColdInjuryResidualsForm>
      <cir:CirMedicalHistoryCir0201>C-FILE (VA
ONLY)</cir:CirMedicalHistoryCir0201>
      <cir:CirMedicalHistoryCir03a01>The veteran
started noticing the
abnormal skin color or
joint pain and stiffness, as well as
thickness of skin since April of
2012.&quot;.</cir:CirMedicalHistoryCir03a01>

      <cir:CirMedicalHistoryCir03b01>Right</cir:CirMedicalHistoryCir03b01>

      <cir:CirMedicalHistoryCir06a01>yes</cir:CirMedicalHistoryCir06a01>

      <cir:CirMedicalHistoryCir06a08>yes</cir:CirMedicalHistoryCir06a08>

      <cir:CirMedicalHistoryCir06a09>Occasional</cir:CirMedicalHistoryCir06a09>
      <cir:CirMedicalHistoryCir06b01>Use cane to
support body, help
walking and assist other required
activities as a needed
basis.&quot;.</cir:CirMedicalHistoryCir06b01>

      <cir:CirPhysicalExamCir0401>yes</cir:CirPhysicalExamCir0401>
      <cir:CirPhysicalExamCir0402>No signs or
symptoms at present time</cir:CirPhysicalExamCir0402>

      <cir:CirPhysicalExamCir0403>n/a</cir:CirPhysicalExamCir0403>

      <cir:CirPhysicalExamCir0410>yes</cir:CirPhysicalExamCir0410>
      <cir:CirPhysicalExamCir0411>Arthralgia or
other pain</cir:CirPhysicalExamCir0411>

```

the stiffness on the <cir:CirPhysicalExamCir0412>The veteran felt  
 morning.&quot;;.</cir:CirPhysicalExamCir0412> affected joints, especially in the

<cir:CirPhysicalExamCir0413>yes</cir:CirPhysicalExamCir0413>  
<cir:CirPhysicalExamCir0414>Color  
 changes</cir:CirPhysicalExamCir0414>  
<cir:CirPhysicalExamCir0415>&quot;;The  
 veteran noticed the  
 abnormal skin color and thickness of  
 skin..&quot;;.</cir:CirPhysicalExamCir0415>

<cir:CirPhysicalExamCir0419>yes</cir:CirPhysicalExamCir0419>  
<cir:CirPhysicalExamCir0420>Cold sensitivity,  
 Numbness</cir:CirPhysicalExamCir0420>  
<cir:CirPhysicalExamCir0421>The veteran felt  
 the numbness and  
 become very sensitive to the cold  
 weather.&quot;;.</cir:CirPhysicalExamCir0421>

<cir:CirPhysicalExamCir0422>no</cir:CirPhysicalExamCir0422>

<cir:CirPhysicalExamCir08a01>yes</cir:CirPhysicalExamCir08a01>

<cir:CirPhysicalExamCir08a02>yes</cir:CirPhysicalExamCir08a02>

<cir:CirPhysicalExamCir08a03>yes</cir:CirPhysicalExamCir08a03>

<cir:CirPhysicalExamCir08b01>no</cir:CirPhysicalExamCir08b01>

<cir:CirDiagnosticTestingCir05a01>yes</cir:CirDiagnosticTestingCir05a01>  
<cir:CirDiagnosticTestingCir05a02>  
<nc:Date>2012-05-08</nc:Date>  
</cir:CirDiagnosticTestingCir05a02>

<cir:CirDiagnosticTestingCir05a03>yes</cir:CirDiagnosticTestingCir05a03>  
<cir:CirDiagnosticTestingCir05a04>No evidence  
 of osteoarthritis,  
osteoporosis, or subarticular punched  
 out lesions</cir:CirDiagnosticTestingCir05a04>

<cir:CirDiagnosticTestingCir05a05>yes</cir:CirDiagnosticTestingCir05a05>

<cir:CirDiagnosticTestingCir05a06>Osteoarthritis</cir:CirDiagnosticTestingCir05a06>

<cir:CirDiagnosticTestingCir05b01>no</cir:CirDiagnosticTestingCir05b01>

<cir:CirAssessmentAndFunctionalImpactCir0101>yes</cir:CirAssessmentAndFunctionalImpactCir0101>

<cir:CirAssessmentAndFunctionalImpactCir0102>991.8</cir:CirAssessmentAndFunctionalImpactCir0102>



```

    <cir:CirAssessmentAndFunctionalImpactCir0102a>cold
injury</cir:CirAssessmentAndFunctionalImpactCir0102a>
        <cir:CirAssessmentAndFunctionalImpactCir0103>
            <nc:Date>2012-05-26</nc:Date>

        </cir:CirAssessmentAndFunctionalImpactCir0103>

    <cir:CirAssessmentAndFunctionalImpactCir0701>No</cir:CirAssessmentAndFunctiona
lImpactCir0701>

    <cir:CirAssessmentAndFunctionalImpactCir0901>yes</cir:CirAssessmentAndFunction
alImpactCir0901>

    <cir:CirAssessmentAndFunctionalImpactCir0902>The veteran suffers
                                frequent pain and sometimes with
limitation of movement from the                                left foot. Therefore, he needs to take
frequent PTO from the                                work.&quot;</cir:CirAssessmentAndFunctionalImpactCir0902>
                                <cir:CirRemarksRemarks>The veteran&apos;s
Cold Injury                                <u>Residuals</u> is continuing to
develop.&quot;</cir:CirRemarksRemarks>
                                <cir:CirCertificationAndSignatureCir1102>
                                    <nc:Date>2013-05-01</nc:Date>
                                </cir:CirCertificationAndSignatureCir1102>

    <cir:CirCertificationAndSignatureCir1103>jessica
lawrence</cir:CirCertificationAndSignatureCir1103>

    <cir:CirCertificationAndSignatureCir1104>m8126</cir:CirCertificationAndSignatu
reCir1104>
                                <cir:CirCertificationAndSignatureCir1105>long
beach, <u>ca</u></cir:CirCertificationAndSignatureCir1105>

    <cir:CirCertificationAndSignatureCir1106>7836329832</cir:CirCertificationAndSi
gnatureCir1106>

    <cir:CirCertificationAndSignatureCir1107>7836329832</cir:CirCertificationAndSi
gnatureCir1107>

                                </cir:ColdInjuryResidualsForm>
                                </cld:MedicalData>
                                <cld:Attachments>
                                    <nc:Attachment>

    <nc:BinaryDescriptionText>Leg</nc:BinaryDescriptionText>

    <nc:BinaryFormatStandardName>image/jpeg</nc:BinaryFormatStandardName>

    <nc:BinaryLocationURI>5298f22ae11f069427000003</nc:BinaryLocationURI>

    <nc:BinarySizeValue>10241024</nc:BinarySizeValue>
                                <nc:BinaryCategoryText>X-
Rays</nc:BinaryCategoryText>

```

```

        </nc:Attachment>
      </cld:Attachments>
    </cld:Claim>
  </content>
  <link title="Attachment" rel="enclosure"
href="https://bhietestgapp4.vaco.va.gov/ecrud/v1/core/fs/530666264f7da5a132000
003"
      type="application/pdf" length="1000000" hreflang="en" />
  <published>2014-02-20T20:31:27Z</published>
  <updated>2014-02-20T20:31:27Z</updated>
</entry>
<updated>2014-02-20T20:31:34.757Z</updated>
</feed>

```

## LENS – VBMS STR Notification



STRNotification-4.4.4fix.xml

### Sample of VBMS STR Notification

```

<?xml version="1.0" encoding="UTF-8"?>
<feed xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.w3.org/2005/Atom
http://vler.va.gov/vler/schemas/atom/2005/vler/0.2/atom.xsd" xmlns="http://www.w3.org/2005/Atom">
  <title type="text">VA VLER DAS Life Event Notification Service (LENS) ver. 0.1</title>
  <subtitle type="text">Administrative - STR Administrative Documentation (includes
Certification Memo)</subtitle>
  <id>5321c6204f7ee5862700002b</id>
  <updated>2014-03-13T14:52:16.045Z</updated>
  <generator version="0.1">VA VLER DAS Life Event Notification Service (LENS)</generator>
  <author>VA VLER DAS Life Event Notification Service (LENS)</author>
  <entry>
    <title>Identifiable 2</title>
    <id>5321c6204f7ee5862700002b</id>
    <published>2014-02-20T05:00:00Z</published>
    <updated>2014-02-20T05:00:00Z</updated>
    <author>
      <name>DoD</name>
    </author>
    <content type="application/xml">
      <str:ServiceTreatmentRecord
xmlns:str="http://vler.va.gov/vler/schemas/health/clinicalDocuments/serviceTreatmentRecord/1.3">
        <str:DocumentTypeVersion>1.1</str:DocumentTypeVersion>
        <str:CommonData>
          <nc:Document xmlns:nc="http://release.niem.gov/niem/niem-core/2.0/niem-core.xsd">

```

```

<nc:DocumentLocationURI>xca://documentId=h0123e003bf63db419ab659566cde8d94c40101homeCo
mmunityId=2.16.840.1.113883.3.42.10012.100001.206repositoryId=central</nc:DocumentLocationURI>
  <nc:DocumentCreationDate>
    <nc:DateTime>2013-10-02T00:00:00Z</nc:DateTime>
  </nc:DocumentCreationDate>
  <nc:DocumentLanguageCode/>
  <nc:DocumentDescriptionText>Identifiable 2</nc:DocumentDescriptionText>
  <nc:DocumentIdentification>
    <nc:IdentificationID>2.16.840.1.113883.11.10870</nc:IdentificationID>
    <nc:IdentificationCategoryText>Administrative - STR Administrative Documentation
(includes Certification Memo)</nc:IdentificationCategoryText>
    <nc:IdentificationCategoryDescriptionText/>
  </nc:DocumentIdentification>
  <nc:DocumentIdentification>
    <nc:IdentificationID>h0123e003bf63db419ab659566cde8d94c40101</nc:IdentificationID>
    <nc:IdentificationCategoryText>documentId</nc:IdentificationCategoryText>
    <nc:IdentificationCategoryDescriptionText/>
  </nc:DocumentIdentification>
  <nc:DocumentIdentification>
    <nc:IdentificationID>51851-4</nc:IdentificationID>
    <nc:IdentificationCategoryText>LOINC</nc:IdentificationCategoryText>
  </nc:DocumentIdentification>
  <nc:DocumentSource>
    <nc:EntityOrganization>
      <nc:OrganizationName>DoD</nc:OrganizationName>
    </nc:EntityOrganization>
  </nc:DocumentSource>
  <nc:DocumentStatus>
    <nc:StatusText>Certified</nc:StatusText>
  </nc:DocumentStatus>
  <nc:DocumentTitleText>Identifiable 2</nc:DocumentTitleText>
  <nc:DocumentVersion>1</nc:DocumentVersion>
  <nc:DocumentFileControlID/>
  <nc:DocumentFormatText>application/pdf</nc:DocumentFormatText>
</nc:Document>
<nc:MilitarySummary xmlns:nc="http://release.niem.gov/niem/niem-core/2.0/niem-
core.xsd">
  <nc:MilitaryBranchName/>
</nc:MilitarySummary>
  <vler:Client xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/vler"
s:id="client">
    <vler:ClientIdentifier>
      <nc:IdentificationID xmlns:nc="http://release.niem.gov/niem/niem-core/2.0/niem-
core.xsd">340993</nc:IdentificationID>
      <vler:AssigningAuthority>2.16.840.1.113883.3.42.10002.1</vler:AssigningAuthority>
    </vler:ClientIdentifier>
    <vler:ClientStatus>
      <vler:ClientStatusText>OK</vler:ClientStatusText>
    </vler:ClientStatus>
    <nc:RoleOfPersonReference xmlns:nc="http://release.niem.gov/niem/niem-core/2.0/niem-

```

```

core.xsd" s:ref="p1"/>
  </vler:Client>
  <nc:Person xmlns:nc="http://release.niem.gov/niem/niem-core/2.0/niem-core.xsd"
s:id="p1">
  <nc:PersonBirthDate>
    <nc:Date>1983-08-23</nc:Date>
  </nc:PersonBirthDate>
  <nc:PersonName>
    <nc:PersonGivenName>Tom</nc:PersonGivenName>
    <nc:PersonMiddleName>M</nc:PersonMiddleName>
    <nc:PersonSurName>Jones</nc:PersonSurName>
  </nc:PersonName>
  <nc:PersonSexCode>M</nc:PersonSexCode>
  <nc:PersonSSNIdentification>
    <nc:IdentificationID>999999999</nc:IdentificationID>
  </nc:PersonSSNIdentification>
</nc:Person>
<nc:Facility xmlns:nc="http://release.niem.gov/niem/niem-core/2.0/niem-core.xsd">
  <nc:FacilityIdentification>
    <nc:IdentificationID/>
    <nc:IdentificationJurisdictionText/>
  </nc:FacilityIdentification>
  <nc:FacilityName/>
</nc:Facility>
  <vler:ServiceProviderClientAssociation
xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/vler">
  <vler:ServiceProviderReference s:ref="service_provider"/>
  <vler:ClientReference s:ref="client"/>
</vler:ServiceProviderClientAssociation>
  <vler:DocumentHashCode
xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/vler"/>
  <vler:DocumentServiceStartTime
xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/vler"/>
  <vler:DocumentServiceStopTime
xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/vler"/>
  <vler:DocumentIdentificationType
xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/vler"/>
  <vler:DocumentIdentificationLocationType
xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/vler"/>
  </str:CommonData>
    <str:Attachments>
      <nc:Attachment xmlns:nc="http://niem.gov/niem/niem-
core/2.0">
        <nc:BinaryDescriptionText>Identifiable
2</nc:BinaryDescriptionText>
        <nc:BinaryFormatStandardName>application/pdf</nc:BinaryFormatStandardName>
        <nc:BinaryLocationURI>5321c61f4f7ee58627000029</nc:BinaryLocationURI>
        <nc:BinarySizeValue>5141</nc:BinarySizeValue>
        <nc:BinaryCategoryText>Administrative - STR

```

```

Administrative Documentation (includes Certification Memo)</nc:BinaryCategoryText>
    </nc:Attachment>
  </str:Attachments>
</str:ServiceTreatmentRecord>
<uploadDate>2014-12-15T21:45:23.773Z</uploadDate>
<_id>548f56737644b14d538d613c</_id>

</content>
<link title="Attachment" rel="enclosure"
href="https://bhietestgapp4.vaco.va.gov/ecrud/v1/core/fs/5321c61f4f7ee58627000029"
type="application/pdf" length="1000000" hreflang="en" />
</entry>
</feed>

```

## LENS – VBMS DBQ Notification



ExamResult  
(DBQ)\_Completed.xml

### Sample of VBMS DBQ Notification

```

<?xml version="1.0" encoding="UTF-8" ?>
<feed xmlns="http://www.w3.org/2005/Atom" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler" xmlns:s="http://niem.gov/niem/structures/2.0"
xmlns:pr="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1.0"
xmlns:nc="http://niem.gov/niem/niem-core/2.0">
  <title type="text">VA VLER DAS Life Event Notification Service (LENS) ver. 0.1</title>
  <subtitle type="text">DBQ NEURO Fibromyalgia</subtitle>
  <id>core/disabilityBenefitsQuestionnaires/54ab0a584c4be5e45cc465dd</id>
  <updated>2015-01-05T22:04:08.920Z</updated>
  <generator version="0.1">VA VLER DAS Life Event Notification Service (LENS)</generator>
  <author>VA VLER DAS Life Event Notification Service (LENS)</author>
  <entry>
    <title>DBQ NEURO Fibromyalgia</title>
    <id>965F99ED-36ED-4086-B61A-5CBB0F5E31FE</id>
    <published>2014-12-23T19:09:53.000Z</published>
    <updated>2014-12-23T19:09:53.000Z</updated>
    <author>
      <name>JANE GUZZARDO</name>
    </author>
    <content type="application/xml">
      <pr:Preview version="1.0" xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler"
xmlns:s="http://niem.gov/niem/structures/2.0"
xmlns:pr="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1.0"
xmlns:nc="http://niem.gov/niem/niem-core/2.0">
        <nc:Document
xmlns:cld="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/Claim/1.1.2"
xmlns:nc="http://niem.gov/niem/niem-core/2.0" xmlns:niem-xsd="http://niem.gov/niem/proxy/xsd/2.0"
xmlns:s="http://niem.gov/niem/structures/2.0" xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler">
          <nc:DocumentCreationDate>
            <nc:DateTime>2014-12-23T19:09:53.000Z</nc:DateTime>
          </nc:DocumentCreationDate>
          <nc:DocumentDescriptionText>DBQ NEURO
Fibromyalgia</nc:DocumentDescriptionText>
          <nc:DocumentIdentification>

```

```

                    <nc:IdentificationID>965F99ED-36ED-4086-B61A-
5CBB0F5E31FE</nc:IdentificationID>
                    </nc:DocumentIdentification>
                    <nc:DocumentStatus>
                        <nc:StatusText>Completed</nc:StatusText>
                    </nc:DocumentStatus>
                    <nc:DocumentTitleText>DBQ NEURO Fibromyalgia</nc:DocumentTitleText>
                </nc:Document>
                <vler:ExamDetail>
                    <vler:PhysicalSource>VHA_CAPRI</vler:PhysicalSource>
                </vler:ExamDetail>
                <vler:Client s:id="client"
xmlns:cld="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/Claim/1.1.2"
xmlns:nc="http://niem.gov/niem/niem-core/2.0" xmlns:niem-xsd="http://niem.gov/niem/proxy/xsd/2.0"
xmlns:s="http://niem.gov/niem/structures/2.0" xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler">
                    <vler:ClientIdentifier>
                        <nc:IdentificationID>5000002746</nc:IdentificationID>
                        <vler:AssigningAuthority>2.16.840.1.113883.4.349</vler:AssigningAuthority>
                    </vler:ClientIdentifier>
                    <vler:ClientStatus>
                        <vler:ClientStatusText>OK</vler:ClientStatusText>
                    </vler:ClientStatus>
                    <nc:RoleOfPersonReference s:ref="one" />
                </vler:Client>
                <vler:ServiceProvider s:id="service_provider"
xmlns:cld="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/Claim/1.1.2"
xmlns:nc="http://niem.gov/niem/niem-core/2.0" xmlns:niem-xsd="http://niem.gov/niem/proxy/xsd/2.0"
xmlns:s="http://niem.gov/niem/structures/2.0" xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler">
                    <vler:PersonIdentifier>
                        <nc:IdentificationID>123458953</nc:IdentificationID>
                        <nc:IdentificationJurisdictionText>CAPRI User
IEN</nc:IdentificationJurisdictionText>
                    </vler:PersonIdentifier>
                    <vler:ServiceProviderRoleTitle>Physician</vler:ServiceProviderRoleTitle>
                    <nc:RoleOfPersonReference s:ref="two" />
                </vler:ServiceProvider>
                <nc:Person s:id="two"
xmlns:cld="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/Claim/1.1.2"
xmlns:nc="http://niem.gov/niem/niem-core/2.0" xmlns:niem-xsd="http://niem.gov/niem/proxy/xsd/2.0"
xmlns:s="http://niem.gov/niem/structures/2.0" xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler">
                    <nc:PersonName>
                        <nc:PersonGivenName>JANE</nc:PersonGivenName>
                        <nc:PersonMiddleName/>
                        <nc:PersonSurName>GUZZARDO</nc:PersonSurName>
                    </nc:PersonName>
                </nc:Person>
                <nc:Person s:id="one"
xmlns:cld="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/Claim/1.1.2"
xmlns:nc="http://niem.gov/niem/niem-core/2.0" xmlns:niem-xsd="http://niem.gov/niem/proxy/xsd/2.0"
xmlns:s="http://niem.gov/niem/structures/2.0" xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler">
                    <nc:PersonBirthDate>
                        <nc:Date>1944-06-01</nc:Date>
                    </nc:PersonBirthDate>
                    <nc:PersonName>
                        <nc:PersonGivenName>ROBERT</nc:PersonGivenName>
                        <nc:PersonMiddleName>R</nc:PersonMiddleName>
                        <nc:PersonSurName>RANDLEMAN</nc:PersonSurName>
                    </nc:PersonName>
                    <nc:PersonSexCode>M</nc:PersonSexCode>
                    <nc:PersonSSNIdentification>
                        <nc:IdentificationID>449011101</nc:IdentificationID>
                    </nc:PersonSSNIdentification>
                </nc:Person>
                <nc:Facility
xmlns:cld="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/Claim/1.1.2"
xmlns:nc="http://niem.gov/niem/niem-core/2.0" xmlns:niem-xsd="http://niem.gov/niem/proxy/xsd/2.0"

```

```

xmlns:s="http://niem.gov/niem/structures/2.0" xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler">

        </nc:Facility>
        <vler:ServiceProviderClientAssociation
xmlns:cl="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/Claim/1.1.2"
xmlns:nc="http://niem.gov/niem/niem-core/2.0" xmlns:niem-xsd="http://niem.gov/niem/proxy/xsd/2.0"
xmlns:s="http://niem.gov/niem/structures/2.0" xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler">
            <vler:ServiceProviderReference s:ref="service_provider" />
            <vler:ClientReference s:ref="client" />
        </vler:ServiceProviderClientAssociation>
        <pr:ClaimNumber>449011101</pr:ClaimNumber>
    </pr:Preview>
</content>
<link title="Subject Document" rel="enclosure"
href="https://bhiedevappch3.vaco.va.gov/ecrud/v1/core/fs/20150108b9b11404f9176808a33edee25a9ff825" type="text/xml"
length="1000000" hreflang="en" />
<link title="Attachment" rel="enclosure"
href="https://bhiedevappch3.vaco.va.gov/ecrud/v1/core/fs/201501529708e9be5a708917c3774523cae8d24a" type="application/pdf"
length="1000000" hreflang="en" />
</entry>
</feed>

```

## LENS – VBMS Exam Response Notification



ExamResponseNotific  
ationSample.xml

### Sample of VBMS Response Notification

```

<?xml version="1.0" encoding="UTF-8" ?>
<feed xmlns="http://www.w3.org/2005/Atom" xsi:schemaLocation="http://www.w3.org/2005/Atom http://vler.va.gov/vler/schemas/atom/2005/vler/0.2/atom.xsd"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <title type="text">VA VLER DAS Life Event Notification Service (LENS) ver. 0.1</title>
    <subtitle type="text">VA Disability Assessment Endocrine</subtitle>
    <id>/core/examResponse/5592a5c409e8d70f54228b5d</id>
    <updated>2015-06-30T14:20:50.407Z</updated>
    <generator version="0.1">VA VLER DAS Life Event Notification Service (LENS)</generator>
    <author>
        <name>VA VLER DAS Life Event Notification Service (LENS)</name>
    </author>
    <entry>
        <title>VA Disability Assessment Endocrine</title>
        <id>6487787b-5ff2-4791-9ad5-7d2d617d08be</id>
        <published>2015-02-01T22:24:11.000Z</published>
        <updated>2015-02-01T22:24:11.000Z</updated>
        <author>
            <name>Greg Gershman</name>
        </author>
        <content type="application/xml">
            <cld:ExamResponse xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.9/vler"
xmlns:ef="http://vler.va.gov/vler/schemas/benefits/evaluation/facts/EndocrineFacts/1.2" xmlns:s="http://niem.gov/niem/structures/2.0"
xmlns:nc="http://niem.gov/niem/niem-core/2.0" xmlns:cl="http://vler.va.gov/vler/schemas/benefits/ExamResponse/2.0">
                <cld:DocumentTypeVersion>2.0</cld:DocumentTypeVersion>
                <cld:ClaimID>500821214</cld:ClaimID>
                <cld:CommonData>
                    <nc:Document>
                        <nc:DocumentCreationDate>
                            <nc:DateTime>2015-02-01T22:24:11.000Z</nc:DateTime>
                        </nc:DocumentCreationDate>
                        <nc:DocumentDescriptionText>Endocrine examination</nc:DocumentDescriptionText>
                    </nc:Document>
                </cld:CommonData>
            </cld:ExamResponse>
        </content>
    </entry>
</feed>

```

```

<nc:DocumentFileControlID>201506f9b3c1c8f8a74e7e3c16684f8c3a696abe</nc:DocumentFileControlID>
  <nc:DocumentFormatText>text/xml</nc:DocumentFormatText>
  <nc:DocumentIdentification>
    <nc:IdentificationID>6487787b-5ff2-4791-9ad5-7d2d617d08be</nc:IdentificationID>
  </nc:DocumentIdentification>
  <nc:DocumentStatus>
    <nc:StatusText>Completed</nc:StatusText>
  </nc:DocumentStatus>
  <nc:DocumentTitleText>VA Disability Assessment Endocrine</nc:DocumentTitleText>
</nc:Document>
<vler:ExamDetail>
  <vler:PhysicalSource>VHA_CUI</vler:PhysicalSource>
  <vler:ExamId>523-23103-44082</vler:ExamId>
  <vler:ExaminerType>Inhouse</vler:ExaminerType>
  <vler:ContractType/>
  <vler:StatusDate>
    <nc:DateTime>2015-02-01T22:24:11Z</nc:DateTime>
  </vler:StatusDate>
  <vler:Comments/>
</vler:ExamDetail>
<vler:Client s:id="client">
  <vler:ClientIdentifier>
    <nc:IdentificationID>500-82-1214</nc:IdentificationID>
    <vler:AssigningAuthority>2.16.840.1.113883.4.349</vler:AssigningAuthority>
  </vler:ClientIdentifier>
  <vler:ClientStatus>
    <vler:ClientStatusText>OK</vler:ClientStatusText>
  </vler:ClientStatus>
  <nc:RoleOfPersonReference s:ref="one" />
</vler:Client>
<vler:ServiceProvider s:id="service_provider">
  <vler:PersonIdentifier>
    <nc:IdentificationID>WB545-X-4321</nc:IdentificationID>
    <vler:AssigningAuthority>2.16.840.1.113883.4.349</vler:AssigningAuthority>
  </vler:PersonIdentifier>
  <vler:ServiceProviderRoleTitle>Medical Doctor</vler:ServiceProviderRoleTitle>
  <nc:RoleOfPersonReference s:ref="two" />
</vler:ServiceProvider>
<nc:Person s:id="two">
  <nc:PersonName>
    <nc:PersonGivenName>Greg</nc:PersonGivenName>
    <nc:PersonMiddleName/>
    <nc:PersonSurName>Doctor</nc:PersonSurName>
  </nc:PersonName>
</nc:Person>
<nc:Person s:id="one">
  <nc:PersonBirthDate>
    <nc:Date>1978-01-11</nc:Date>
  </nc:PersonBirthDate>
  <nc:PersonName>
    <nc:PersonGivenName>John</nc:PersonGivenName>
    <nc:PersonMiddleName/>
    <nc:PersonSurName>Veteran</nc:PersonSurName>
  </nc:PersonName>
  <nc:PersonSexCode>U</nc:PersonSexCode>
  <nc:PersonSSNIdentification>
    <nc:IdentificationID>123456789</nc:IdentificationID>
  </nc:PersonSSNIdentification>
</nc:Person>
<nc:Facility>
  <nc:FacilityIdentification>
    <nc:IdentificationID>371</nc:IdentificationID>
    <nc:IdentificationJurisdictionText>ST.PETERSBURG-RO</nc:IdentificationJurisdictionText>
  </nc:FacilityIdentification>
  <nc:FacilityName>ST.PETERSBURG-RO</nc:FacilityName>

```



```

        </nc:Facility>
        <vler:ServiceProviderClientAssociation>
            <vler:ServiceProviderReference s:ref="service_provider" />
            <vler:ClientReference s:ref="client" />
        </vler:ServiceProviderClientAssociation>
    </cld:CommonData>
    <cld:EvaluationData>
        <ef:endocrineFacts>
            <ef:endocrineDiagnoses>
                <ef:value>Acromegaly</ef:value>
            </ef:endocrineDiagnoses>
            <ef:endocrineSymptoms>
                <ef:value>Arthropathy</ef:value>
            </ef:endocrineSymptoms>
            <ef:endocrineSymptoms>
                <ef:value>Cardiomegaly</ef:value>
            </ef:endocrineSymptoms>
            <ef:endocrineSymptoms>
                <ef:value>Enlarged sella turcica</ef:value>
            </ef:endocrineSymptoms>
            <ef:endocrineSymptoms>
                <ef:value>Enlargement of acral parts</ef:value>
            </ef:endocrineSymptoms>
            <ef:endocrineSymptoms>
                <ef:value>Evidence of increased intracranial pressure</ef:value>
            </ef:endocrineSymptoms>
            <ef:endocrineSymptoms>
                <ef:value>Glucose intolerance</ef:value>
            </ef:endocrineSymptoms>
            <ef:endocrineSymptoms>
                <ef:value>Hypertension</ef:value>
            </ef:endocrineSymptoms>
            <ef:endocrineSymptoms>
                <ef:value>Overgrowth of long bones</ef:value>
            </ef:endocrineSymptoms>
            <ef:noComplications>false</ef:noComplications>
        </ef:endocrineFacts>
    </cld:EvaluationData>
    <cld:Attachments>
        <nc:Attachment>
            <nc:BinaryFormatStandardName>application/pdf</nc:BinaryFormatStandardName>
            <nc:BinaryLocationURI>201506dd402399e51f7a9d026a2032a543e4257d</nc:BinaryLocationURI>
        </nc:Attachment>
        <nc:Attachment>
            <nc:BinaryFormatStandardName>text/plain</nc:BinaryFormatStandardName>
            <nc:BinaryLocationURI>201506ebf3afe97bb519a92a827e1fd630b7a784</nc:BinaryLocationURI>
        </nc:Attachment>
    </cld:Attachments>
</cld:ExamResponse>
<gridfsID>201506f9b3c1c8f8a74e7e3c16684f8c3a696abe</gridfsID>
<gridfsLength>44797</gridfsLength>
<gridfsAttachments>
    <gridfsID>201506dd402399e51f7a9d026a2032a543e4257d</gridfsID>
    <gridfsLength>19924</gridfsLength>
</gridfsAttachments>
<gridfsAttachments>
    <gridfsID>201506ebf3afe97bb519a92a827e1fd630b7a784</gridfsID>
    <gridfsLength>2738</gridfsLength>
</gridfsAttachments>
<uploadDate>2015-06-30T14:20:50.407Z</uploadDate>
<_id>5592a5c409e8d70f54228b5d</_id>
</content>
<link title="Subject Document" rel="enclosure"
href="http://vhamwvdevdasch1.vaco.va.gov:8000/ecrud/v1/core/fs/201506f9b3c1c8f8a74e7e3c16684f8c3a696abe" type="text/xml" length="1000000" hreflang="en" />
    <link title="Attachment" rel="enclosure"
href="http://vhamwvdevdasch1.vaco.va.gov:8000/ecrud/v1/core/fs/201506dd402399e51f7a9d026a2032a543e4257d" type="application/pdf" length="1000000"

```

```

hreflang="en" />
        <link title="Attachment" rel="enclosure"
href="http://vhamwvdevdasch1.vaco.va.gov:8000/ecrud/v1/core/fs/201506ebf3afe97bb519a92a827e1fd630b7a784" type="text/plain" length="1000000" hreflang="en"
/>
    </entry>
</feed>

```

## LENS – Vendor Exam Request Notification Samples



ExamRequestNotificati  
on\_CAPRI.xml

### Sample Vendor Exam Request Notification From CAPRI

```

<?xml version="1.0" encoding="UTF-8" ?>
<feed xmlns="http://www.w3.org/2005/Atom" xsi:schemaLocation="http://www.w3.org/2005/Atom
../XMLSchemas/atom/2005/vler/0.2/atom.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler" xmlns:s="http://niem.gov/niem/structures/2.0"
xmlns:pr="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1.0"
xmlns:nc="http://niem.gov/niem/niem-core/2.0">
    <title type="text">VA VLER DAS Life Event Notification Service (LENS) ver. 0.1</title>
    <subtitle type="text">Exam Request Available Notification</subtitle>
    <id>/core/compensationAndPension/54417462813390fa19000001</id>
    <updated>2014-10-17T19:56:18.449Z</updated>
    <generator version="0.1">VA VLER DAS Life Event Notification Service (LENS)</generator>
    <author>VA VLER DAS Life Event Notification Service (LENS)</author>
    <entry>
        <title>Exam Request Available</title>
        <id>4409658E-32F0-46FC-852B-9923AE20A592</id>
        <published>2014-10-17</published>
        <updated>2014-10-17</updated>
        <author>
            <name>Veterans Health Administration (VHA)</name>
        </author>
        <content type="application/xml">
            <pr:Preview version="1.0"
xsi:schemaLocation="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1.0
../XMLSchemas/preview/Preview-cpExams.xsd">
                <er:ExamRequest
xmlns:er="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/CapriExamRequest.xsd"
xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.9/vler">
                    <er:RequestId>4409658E-32F0-46FC-852B-9923AE20A592</er:RequestId>
                    <er:RequestStatus>Open</er:RequestStatus>
                    <er:RequestDate>2014-10-17</er:RequestDate>
                    <er:ClaimFolderRequired>true</er:ClaimFolderRequired>
                    <er:Patient
xmlns:er="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/CapriExamRequest.xsd"
xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.9/vler">
                        <er:FullName>TREAKLE,ARRON V</er:FullName>
                        <er:FirstName>ARRON</er:FirstName>
                        <er:MiddleName>V</er:MiddleName>
                        <er:LastName>TREAKLE</er:LastName>
                        <er:SSN>
                            <er:AssigningAuthority>2.16.840.1.113883.3.184</er:AssigningAuthority>
                            <er:Value>520674649</er:Value>
                        </er:SSN>
                        <er:ICN>
                            <er:AssigningAuthority>2.16.840.1.113883.4.349</er:AssigningAuthority>

```

```

                                <er:Value>1011639690</er:Value>
                                </er:ICN>
                                <er:ClaimFolderNumber>520674649</er:ClaimFolderNumber>
                                <er:DateOfBirth>1956-04-26</er:DateOfBirth>
                                <er:Gender>Male</er:Gender>
                                <er:Address1>1925 8TH ST</er:Address1>
                                <er:Address2/>
                                <er:Address3/>
                                <er:City>GREELEY</er:City>
                                <er:State>COLORADO</er:State>
                                <er:ZipCode>80631</er:ZipCode>
                                <er:Country>USA</er:Country>
                                <er:Phone>
                                    <er:MobilePhone/>
                                    <er:HomePhone>(777) 777-7777</er:HomePhone>
                                </er:Phone>
                            </er:Patient>
                            <er:MedicalCenter>
                                <er:SiteName>BOSTON HCS VAMC</er:SiteName>
                                <er:SiteNumber>
                                    <er:AssigningAuthority>2.16.840.1.113883.4.349</er:AssigningAuthority>
                                    <er:Value>523</er:Value>
                                    </er:SiteNumber>
                                    <er:Address1>150 SOUTH HUNTINGTON AVE</er:Address1>
                                    <er:Address2/>
                                    <er:City>BOSTON</er:City>
                                    <er:State>MASSACHUSETTS</er:State>
                                    <er:ZipCode>02130-4893</er:ZipCode>
                                    <er:Phone/>
                                </er:MedicalCenter>
                                <er:Exams
xmlns:er="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/CapriExamRequest.xsd"
xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.9/vler">
                                    <er:Exam>
                                        <er:ExamName>DBQ MUSC Muscle
injuries</er:ExamName>

                                        <er:ExamID>523-23189-44358</er:ExamID>
                                    </er:Exam>
                                    <er:Exam>
                                        <er:ExamName>DBQ MUSC Osteomyelitis</er:ExamName>
                                        <er:ExamID>523-23189-44359</er:ExamID>
                                    </er:Exam>
                                </er:Exams>
                                <er:FeeAuthorization>ADDL GEN MED SCENARIO XXXX</er:FeeAuthorization>
                                <er:PhysicalSource>XXXX</er:PhysicalSource>
                                <er:Remarks>CLAIMS FILE BEING SENT FOR REVIEW BY THE EXAMINER.
                                </er:Remarks>
                                <er:RegionalOffice>BOSTON-RO</er:RegionalOffice>
                            </er:ExamRequest>
                        </pr:Preview>
                    </content>
                    <link title="Subject Document" rel="enclosure"
href="https://silvrvler.va.gov/ecrud/v1/core/compensationAndPension/54417462813390fa19000001" type="text/xml"
length="1000000" hreflang="en" />
                </entry>
            </feed>

```

## Sample Vendor Exam Request Notification From DEAP



ExamRequestNotificati  
onSample.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<feed xmlns="http://www.w3.org/2005/Atom" xsi:schemaLocation="http://www.w3.org/2005/Atom
http://vler.va.gov/vler/schemas/atom/2005/vler/0.2/atom.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <title type="text">VA VLER DAS Life Event Notification Service (LENS) ver. 0.1</title>
  <subtitle type="text">Exam Request Available Notification</subtitle>
  <id>/core/examRequest/5592a9c309e8d70f54228b5e</id>
  <updated>2015-06-30T14:37:55.797Z</updated>
  <generator version="0.1">VA VLER DAS Life Event Notification Service (LENS)</generator>
  <author>
    <name>Data Access Service (DAS)</name>
  </author>
  <entry>
    <title>Exam Request Available</title>
    <published>2015-06-10T14:38:28Z</published>
    <updated>2015-06-10T14:38:28Z</updated>
    <author>
      <name>Veterans Health Administration (VHA)</name>
    </author>
    <content type="application/xml">
      <er:ExamRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:ert="http://va.gov/vler/schemas/vlerSupersetSchema/ExamRequestTypes/2.6"
xmlns:ere="http://va.gov/vler/schemas/vlerSupersetSchema/ExamRequestEnums/2.3" Version="2.1"
xmlns:er="http://va.gov/vler/schemas/vlerSupersetSchema/ExamRequest/2.1">
        <RequestStatus>Scheduled</RequestStatus>
        <RequestUuid>d5ca395b-7e0f-e511-b9fa-02bf0a191462</RequestUuid>
        <RequestDate>2015-06-10T14:38:28Z</RequestDate>
        <RequestingApplicationName>DEAP</RequestingApplicationName>
        <RequestingOrganization>VBA</RequestingOrganization>
        <VhaUserContactInfo>
          <UserName>ang</UserName>
          <PhoneNumber>123456789</PhoneNumber>
          <EmailAddress>ang@va.gov</EmailAddress>
        </VhaUserContactInfo>
        <FacilityInformation>
          <Id>626</Id>
          <Name>Nashville, TN VAMC (626), Middle Tennessee HCS</Name>
          <AssigningAuthority>2.16.840.1.113883.4.349</AssigningAuthority>
          <Address>
            <Address1>VA Medical Center</Address1>
            <Address2>1310 24th Avenue South</Address2>
            <City>Nashville</City>
            <State>TN</State>
            <ZipCode>37212-2637</ZipCode>
            <Country/>
          </Address>
          <Phone>615-327-4751</Phone>
        </FacilityInformation>
        <Comments>Comments at the ERI level</Comments>
        <PhysicalSource>VHA_CUI</PhysicalSource>
        <ClaimInformation>
          <VeteranServiceMemberInformation>
            <FullName>Elvis Aaron Presley</FullName>
            <LastName>Presley</LastName>
            <FirstName>Elvis</FirstName>
            <MiddleName>Aaron</MiddleName>
            <SocialSecurityNumber>
              <Value>131999781</Value>
            </SocialSecurityNumber>
          </VeteranServiceMemberInformation>
        </ClaimInformation>
      </er:ExamRequest>
    </content>
  </entry>
</feed>
```

```

    <AssigningAuthority>2.16.840.1.113883.3.184</AssigningAuthority>
      </SocialSecurityNumber>
      <DateOfBirth>1935-01-08</DateOfBirth>
      <Gender>Male</Gender>
      <Address>
        <Address1>3764 Elvis Presley Boulevard</Address1>
        <Address2>Highway 51 South</Address2>
        <City>Memphis</City>
        <State>Tennessee</State>
        <ZipCode>37501</ZipCode>
        <Country>US</Country>
      </Address>
      <PhoneType>
        <PrimaryPhone>444-555-1212</PrimaryPhone>
        <AlternatePhone>333-444-5555</AlternatePhone>
      </PhoneType>
      <EmailAddress>eap@va.gov</EmailAddress>
      <IntegrationControlNumber>
        <Value>123456</Value>

    <AssigningAuthority>2.16.840.1.113883.4.349</AssigningAuthority>
      </IntegrationControlNumber>
      <ParticipantId>12345</ParticipantId>

    <ElectronicDataInterchangePersonalIdentifier>0123456789</ElectronicDataInterchangePersonalIdentifier>
      <FileNumber>789456123</FileNumber>
      <Vistalen>210</Vistalen>
      </VeteranServiceMemberInformation>
      <Payee>music</Payee>
      <Modifier>01</Modifier>
      <ClaimId>123abc</ClaimId>
      <ClaimLevelStatus>Open</ClaimLevelStatus>
      <ClaimDate>1999-05-12</ClaimDate>
      <EpCode>021</EpCode>
      <ClaimLabel>This is a claim label</ClaimLabel>
      <ClaimFolderType>false</ClaimFolderType>
      <ClaimFileReviewRequired>true</ClaimFileReviewRequired>
      <BenefitType>CP Death</BenefitType>
      <Station>317</Station>
      <SeparationStatus>true</SeparationStatus>
      <PreseparationProgram>Benefits Delivery At Discharge
(BDD)</PreseparationProgram>
      <DoDReferringPhysician>Dr. Noobiltooble</DoDReferringPhysician>

    <DoDReferringPhysicianEmail>noobiltooble@example.com</DoDReferringPhysicianEmail>
      <VsoListingCode>the vso listing code</VsoListingCode>
      <PowerOfAttorney>Irving R. Sheister</PowerOfAttorney>
      <PowerOfAttorneyCode>None</PowerOfAttorneyCode>

    <AllowPowerOfAttorneyAccessToDocuments>true</AllowPowerOfAttorneyAccessToDocuments>
      <BranchOfService>Army</BranchOfService>
      <ActiveDutyStatus>ACTIVE</ActiveDutyStatus>
      <EntryOnDuty>1997-02-23</EntryOnDuty>
      <ServiceSeparationDate>2004-04-24</ServiceSeparationDate>
      <PeriodOfService>8</PeriodOfService>
    </ClaimInformation>
    <ContentionsInformation>
      <Contention>
        <ContentionDescription>Cranial Inversion</ContentionDescription>
        <ContentionClassificationCode>this is a
code</ContentionClassificationCode>

        <ContentionClassificationName>SKin</ContentionClassificationName>
        <BodySystem>
          <Value>Ear</Value>
        </BodySystem>
      </Contention>
    </ContentionsInformation>
  
```

```

2bedfc5be232</ContentionUuid>
<ContentionLevelStatus>Triage Complete</ContentionLevelStatus>
<ContentionType>Increase</ContentionType>
<SpecialIssues>
  <SpecialIssue>Incarcerated Veterans</SpecialIssue>
</SpecialIssues>
<Comments>These are comments about the contention</Comments>
<MedicalOpinion>true</MedicalOpinion>
<Stressor>true</Stressor>
<MosForHearingLoss>98G</MosForHearingLoss>
</Contention>
</ContentionsInformation>
<ExamsInformation>
  <Exam>
    <ExamTemplateDocumentType>DERM
    <ExamUuid>7ec5a051-a419-e511-b38d-02bf0a191462</ExamUuid>
    <ExamName>DERM Skin</ExamName>
    <ExamLevelStatus>Scheduled</ExamLevelStatus>
    <ClinicianFirstName>Patricia</ClinicianFirstName>
    <ClinicianLastName>Jenkins</ClinicianLastName>
  </Exam>
</ExamsInformation>
</er:ExamRequest>
</content>
<link title="Subject Document" rel="enclosure"
href="http://vhamwvdevdasch1.vaco.va.gov:8000/ecrud/v1/core/examRequest/5592a9c309e8d70f54228b5e" type="text/xml"
length="1000000" hreflang="en" />
</entry>
</feed>

```

## LENS – DEAP Exam Request Initiation Notifications

### Sample Vendor Exam Request Initiation Notification From DEAP



ExamRequestInitiation  
NotificationSample.xml

```

<?xml version="1.0" encoding="UTF-8" ?>
<feed xmlns="http://www.w3.org/2005/Atom" xsi:schemaLocation="http://www.w3.org/2005/Atom
http://vler.va.gov/vler/schemas/atom/2005/vler/0.2/atom.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <title type="text">VA VLER DAS Life Event Notification Service (LENS) ver. 0.1</title>
  <subtitle type="text">Exam Request Initiation Available Notification</subtitle>
  <id>/core/examRequestInitiation/5589e4860ef3053b6413210c</id>
  <updated>2015-06-23T22:58:14.778Z</updated>
  <generator version="0.1">VA VLER DAS Life Event Notification Service (LENS)</generator>
  <author>
    <name>Data Access Service (DAS)</name>
  </author>
  <entry>
    <title>Exam Request Initiation Available</title>
    <id>be2eaa80-5c90-49a6-8eb1-27a17e309af0</id>
    <published>2015-06-22-04:00</published>
    <updated>2015-06-22-04:00</updated>
  </entry>
</feed>

```

```

    <author>
      <name>Veterans Health Administration (VHA)</name>
    </author>
    <content type="application/xml">
      <ns3:ExamRequestInitiation Version="1.0" xmlns:ns2="http://niem.gov/niem/structures/2.0"
xmlns:ns3="http://va.gov/vler/schemas/exchange/ExamRequestInitiation/1.0">
        <RequestStatus>New</RequestStatus>
        <ExamRequestInitiationUuid>be2eaa80-5c90-49a6-8eb1-
27a17e309af0</ExamRequestInitiationUuid>
        <RequestDate>2015-06-22T11:11:14.000-04:00</RequestDate>
        <RequestingApplicationName>DEAP</RequestingApplicationName>
        <RequestingOrganization>VBA</RequestingOrganization>
        <VbaUserContactInfo>
          <UserName>theo developer *terrell</UserName>
        </VbaUserContactInfo>
        <ClaimInformation>
          <VeteranServiceMemberInformation>
            <FullName>SAM Scott</FullName>
            <LastName>Scott</LastName>
            <FirstName>SAM</FirstName>
            <SocialSecurityNumber>
              <Value>209807856</Value>
            </SocialSecurityNumber>
            <DateOfBirth>1970-01-01</DateOfBirth>
            <Gender>Male</Gender>
            <PreferredGeographicIndicator>false</PreferredGeographicIndicator>
            <Address>
              <Address1>90 SING LANE</Address1>
              <City>SONGS</City>
              <State>KS</State>
              <ZipCode>09478</ZipCode>
              <Country>USA</Country>
            </Address>
            <PhoneType>
              <PrimaryPhone>9826745678</PrimaryPhone>
              <AlternatePhone>9826745678</AlternatePhone>
            </PhoneType>
            <ParticipantId>600094053</ParticipantId>
            <FileNumber>209807856</FileNumber>
          </VeteranServiceMemberInformation>
          <Payee>00</Payee>
          <Modifier/>
          <ClaimId>600030893</ClaimId>
          <ClaimLevelStatus>PEND</ClaimLevelStatus>
          <ClaimDate>2015-06-22-04:00</ClaimDate>
          <EpCode>020CPHLP</EpCode>
          <ClaimLabel>Helpless child</ClaimLabel>
          <ClaimFolderType>false</ClaimFolderType>
          <TabbedEvidenceIndicator>false</TabbedEvidenceIndicator>
          <Station>317</Station>
          <SeparationStatus>false</SeparationStatus>
          <PredischARGEVaDoDExam>false</PredischARGEVaDoDExam>
          <Postseparation>Standard</Postseparation>
          <PowerOfAttorney/>
          <PowerOfAttorneyCode>None</PowerOfAttorneyCode>
        </ClaimInformation>
        <ContentionsInformation>
          <Contention>
            <ContentionDescription>Calculus, kidney</ContentionDescription>
            <ContentionClassificationCode>3640</ContentionClassificationCode>
            <ContentionClassificationName/>
            <BodySystem>
              <Value>Ear</Value>
            </BodySystem>
            <ContentionUuid>238588</ContentionUuid>
            <AceIndicator>false</AceIndicator>
          </Contention>
        </ContentionsInformation>
      </ns3:ExamRequestInitiation>
    </content>
  </application/xml>

```

```

                                <ContentionLevelStatus>New</ContentionLevelStatus>
                                <ContentionType>New</ContentionType>
                                <MedicalOpinion>true</MedicalOpinion>
                            </Contention>
                        </ContentionsInformation>
                    </ns3:ExamRequestInitiation>
                </content>
                <link title="Subject Document" rel="enclosure"
href="https://devvler.va.gov/ecrud/v1/core/examRequestInitiation/5589e4860ef3053b6413210c" type="text/xml" length="1000000"
hreflang="en" />
            </entry>
</feed>

```



# LENS – Vendor Exam Result Rejected Notification Sample

- Sample Vendor Exam Notification for <Rejected> notification



Rejected Exam Result  
Notification.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<feed xmlns="http://www.w3.org/2005/Atom" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler" xmlns:s="http://niem.gov/niem/structures/2.0"
xmlns:pr="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1.0"
xmlns:nc="http://niem.gov/niem/niem-core/2.0">
  <title type="text">VA VLER DAS Life Event Notification Service (LENS) ver. 0.1</title>
  <subtitle type="text">Ankle Conditions</subtitle>
  <id>/core/disabilityBenefitsQuestionnaires/55687c9fb2ce5b6f6bc7b189</id>
  <updated>2015-05-29T14:50:05.949Z</updated>
  <generator version="0.1">VA VLER DAS Life Event Notification Service (LENS)</generator>
  <author>VA VLER DAS Life Event Notification Service (LENS)</author>
  <entry>
    <title>Ankle Conditions</title>
    <id>12A34AA5-67A8-9AA0-123A-45AAAAA6AAA</id>
    <published>2014-08-05T15:47:37.000Z</published>
    <updated>2014-08-05T15:47:37.000Z</updated>
    <author>
      <name>Physician's Name </name>
    </author>
    <content type="application/xml">
      <pr:Preview version="1.0">
        <nc:Document>
          <nc:DocumentCreationDate>
            <nc:DateTime>2014-08-05T15:47:37.000Z</nc:DateTime>
          </nc:DocumentCreationDate>
          <nc:DocumentDescriptionText>Ankle Conditions</nc:DocumentDescriptionText>
          <nc:DocumentIdentification>
            <nc:IdentificationID>12A34AA5-67A8-9AA0-123A-
45AAAAA6AAA</nc:IdentificationID>
          </nc:DocumentIdentification>
          <nc:DocumentStatus>
            <nc:StatusText>Rejected</nc:StatusText>
          </nc:DocumentStatus>
          <nc:DocumentTitleText>Ankle Conditions</nc:DocumentTitleText>
        </nc:Document>
        <vler:ExamDetail>
          <vler:PhysicalSource>XXX</vler:PhysicalSource>
          <vler:ExamId>999-1963-2401</vler:ExamId>
          <vler:ExaminerType>Contracted</vler:ExaminerType>
          <vler:ContractType>VHA</vler:ContractType>
          <vler:StatusDate>
            <nc:DateTime>2014-08-05T15:47:37.000Z</nc:DateTime>
          </vler:StatusDate>
          <vler:Comments>This is the REJECTED exam result.</vler:Comments>
        </vler:ExamDetail>
        <vler:Client s:id="client">
          <vler:ClientIdentifier>
            <nc:IdentificationID>999428888</nc:IdentificationID>
          </vler:ClientIdentifier>
          <vler:AssigningAuthority>2.16.840.1.113883.4.349</vler:AssigningAuthority>
          <vler:ClientIdentifier>
          <vler:ClientStatus>
            <vler:ClientStatusText>OK</vler:ClientStatusText>
          </vler:ClientStatus>
        </vler:Client>
      </pr:Preview>
    </content>
  </entry>
</feed>
```

```

        <nc:RoleOfPersonReference s:ref="one" />
    </vler:Client>
    <vler:ServiceProvider s:id="service_provider">
        <vler:PersonIdentifier>
            <nc:IdentificationID>10010</nc:IdentificationID>
            <nc:IdentificationJurisdictionText>DAS SoapUI
Sync</nc:IdentificationJurisdictionText>
        </vler:PersonIdentifier>
        <vler:ServiceProviderRoleTitle>Physician</vler:ServiceProviderRoleTitle>
        <nc:RoleOfPersonReference s:ref="two" />
    </vler:ServiceProvider>
    <vler:Approver s:id="approver">
        <vler:PersonIdentifier>
            <nc:IdentificationID>LW685</nc:IdentificationID>

    <nc:ApproverAssigningAuthority>2.16.840.1.113883.3.42.10001.100001.12</nc:ApproverAssigningAuthority>
        <vler:PersonIdentifier>
        <vler:ServiceProviderRoleTitle />
        <nc:RoleOfPersonReference s:ref="three" />
    </vler:Approver>
    <nc:Person s:id="three">
        <nc:PersonName>
            <nc:PersonGivenName>Approver First Name</nc:PersonGivenName>
            <nc:PersonMiddleName>Approver Middle Initial</nc:PersonMiddleName>
            <nc:PersonSurName>Approver Last Name</nc:PersonSurName>
        </nc:PersonName>
    </nc:Person>
    <nc:Person s:id="two">
        <nc:PersonName>
            <nc:PersonGivenName>Physician First Name</nc:PersonGivenName>
            <nc:PersonMiddleName>Physician Middle Initial</nc:PersonMiddleName>
            <nc:PersonSurName>Physician Last Name</nc:PersonSurName>
        </nc:PersonName>
    </nc:Person>
    <nc:Person s:id="one">
        <nc:PersonBirthDate>
            <nc:Date>1968-07-19</nc:Date>
        </nc:PersonBirthDate>
        <nc:PersonName>
            <nc:PersonGivenName>APOLLO</nc:PersonGivenName>
            <nc:PersonMiddleName>M</nc:PersonMiddleName>
            <nc:PersonSurName>VLERDAS</nc:PersonSurName>
        </nc:PersonName>
        <nc:PersonSexCode>F</nc:PersonSexCode>
        <nc:PersonSSNIdentification>
            <nc:IdentificationID>999009999</nc:IdentificationID>
        </nc:PersonSSNIdentification>
    </nc:Person>
    <nc:Facility>
        <nc:FacilityIdentification>
            <nc:IdentificationID>999</nc:IdentificationID>

    <nc:IdentificationJurisdictionText>PHOENIX.MED.VA.GOV</nc:IdentificationJurisdictionText>
        </nc:FacilityIdentification>
        <nc:FacilityName>CARL T. HAYDEN VA MEDICAL CENTER</nc:FacilityName>
    </nc:Facility>
    <vler:ServiceProviderClientAssociation>
        <vler:ServiceProviderReference s:ref="service_provider" />
        <vler:ClientReference s:ref="client" />
    </vler:ServiceProviderClientAssociation>
    <pr:ClaimNumber>2014-0000999</pr:ClaimNumber>
</pr:Preview>
</content>
<link title="Subject Document" rel="enclosure"
href="https://silvervler.va.gov/ecrud/v1/core/fs/2015051525f35aae06156a41db124abc97a5f8c4" type="text/xml" length="1000000"
hreflang="en" />

```

```

<link title="Attachment" rel="enclosure"
href="https://silvrvler.va.gov/ecd/v1/core/fs/201505a7851b676b1ce02a5cca14536865bf2267" type="image/jpeg" length="1000000"
hreflang="en" />
<link title="Attachment" rel="enclosure"
href="https://silvrvler.va.gov/ecd/v1/core/fs/201505796ff9f75decdd91e69a9cd05dfc92de9d" type="application/msword"
length="1000000" hreflang="en" />
</entry>
</feed>

```

## LENS – VHA Exam Notifications

- Sample “Exam Result Available Status Pending-UnderReview” notification for VHA



ExamResultPending-UnderReviewNotification

```

<?xml version="1.0" encoding="UTF-8" ?>
<feed xmlns="http://www.w3.org/2005/Atom" xsi:schemaLocation="http://www.w3.org/2005/Atom
../XMLSchemas/atom/2005/vler/0.2/atom.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler" xmlns:s="http://niem.gov/niem/structures/2.0"
xmlns:pr="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1.0"
xmlns:nc="http://niem.gov/niem/niem-core/2.0">
  <title type="text">VA VLER DAS Life Event Notification Service (LENS) ver. 0.1</title>
  <subtitle type="text">DBQ BREAST CONDITIONS AND DISORDERS</subtitle>
  <id>/core/disabilityBenefitsQuestionnaires/53aacbeb9bb743df2029e7b5</id>
  <updated>2014-06-23T19:59:00.430Z</updated>
  <generator version="0.1">VA VLER DAS Life Event Notification Service (LENS)</generator>
  <author>VA VLER DAS Life Event Notification Service (LENS)</author>
  <entry>
    <title>DBQ BREAST CONDITIONS AND DISORDERS</title>
    <id>53aacbeb9bb743df2029e7b5</id>
    <published>2014-06-11T08:44:58-04:00Z</published>
    <updated>2014-06-11T08:44:58-04:00Z</updated>
    <author>
      <name>Veterans Health Administration (VHA)</name>
    </author>
    <content type="application/xml">
      <pr:Preview version="1.0"
xsi:schemaLocation="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1.0
../XMLSchemas/preview/Preview-cpExams.xsd">
        <nc:Document xmlns:ac="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/ac"
xmlns:cld="http://va.gov/vler/schemas/vlerSupersetSchema/0.7/cld" xmlns:nc="http://niem.gov/niem/niem-core/2.0" xmlns:niem-
xsd="http://niem.gov/niem/proxy/xsd/2.0" xmlns:s="http://niem.gov/niem/structures/2.0"
xmlns:vler="http://va.gov/vler/schemas/vlerSupersetSchema/0.9/vler">
          <nc:DocumentCreationDate>
            <nc:DateTime>2014-06-11T08:44:58-04:00Z</nc:DateTime>
          </nc:DocumentCreationDate>
          <nc:DocumentDescriptionText>DBQ BREAST CONDITIONS AND
DISORDERS</nc:DocumentDescriptionText>
          <nc:DocumentIdentification>
            <nc:IdentificationID>FCFA7FB9-8C10-400D-85D8-
D385EE454677</nc:IdentificationID>
          </nc:DocumentIdentification>
          <nc:DocumentStatus>
            <nc:StatusText>Pending-UnderReview</nc:StatusText>
          </nc:DocumentStatus>
          <nc:DocumentTitleText>DBQ BREAST CONDITIONS AND

```

```

DISORDERS</nc:DocumentTitleText>
</nc:Document>
<vler:ExamDetail>
  <vler:PhysicalSource>XXX</vler:PhysicalSource>
  <vler:ExamId>500-1864-4685</vler:ExamId>
  <vler:ExaminerType>Contracted</vler:ExaminerType>
  <vler:ContractType>VHA</vler:ContractType>
  <vler:StatusDate>2014-04-21T09:33:40Z</vler:StatusDate>
  <vler:Comments>Comments – most likely blank</vler:Comments>
</vler:ExamDetail>
<vler:Client s:id="client">
  <vler:ClientIdentifier>
    <nc:IdentificationID>369854103</nc:IdentificationID>
    <vler:AssigningAuthority>2.16.840.1.113883.3.184</vler:AssigningAuthority>
  </vler:ClientIdentifier>
  <vler:ClientStatus>
    <vler:ClientStatusText>OK</vler:ClientStatusText>
  </vler:ClientStatus>
  <nc:RoleOfPersonReference s:ref="one"/>
</vler:Client>
<vler:ServiceProvider s:id="service_provider">
  <vler:PersonIdentifier>
    <nc:IdentificationID>CA109</nc:IdentificationID>
    <nc:IdentificationJurisdictionText>Harris Form
System</nc:IdentificationJurisdictionText>
  </vler:PersonIdentifier>
  <vler:ServiceProviderRoleTitle>Physician</vler:ServiceProviderRoleTitle>
  <nc:RoleOfPersonReference s:ref="two"/>
</vler:ServiceProvider>
<nc:Person s:id="two">
  <nc:PersonName>
    <nc:PersonGivenName>JESSICA</nc:PersonGivenName>
    <nc:PersonMiddleName/>
    <nc:PersonSurName>LAWARENCE</nc:PersonSurName>
  </nc:PersonName>
</nc:Person>
<nc:Person s:id="one">
  <nc:PersonBirthDate>
    <nc:Date>1971-06-15</nc:Date>
  </nc:PersonBirthDate>
  <nc:PersonName>
    <nc:PersonGivenName>John</nc:PersonGivenName>
    <nc:PersonMiddleName>W</nc:PersonMiddleName>
    <nc:PersonSurName>Jones</nc:PersonSurName>
  </nc:PersonName>
  <nc:PersonSexCode>M</nc:PersonSexCode>
  <nc:PersonSSNIdentification>
    <nc:IdentificationID>369854103</nc:IdentificationID>
  </nc:PersonSSNIdentification>
</nc:Person>
<nc:Facility>
  <nc:FacilityIdentification>
    <nc:IdentificationID>600</nc:IdentificationID>
    <nc:IdentificationJurisdictionText>LONG-
BEACH.MED.VA.GOV</nc:IdentificationJurisdictionText>
  </nc:FacilityIdentification>
  <nc:FacilityName>VA LONG BEACH HEALTHCARE SYSTEM</nc:FacilityName>
</nc:Facility>
<vler:ServiceProviderClientAssociation>
  <vler:ServiceProviderReference s:ref="service_provider"/>
  <vler:ClientReference s:ref="client"/>
</vler:ServiceProviderClientAssociation>
<pr:ClaimNumber>2013-0000407</pr:ClaimNumber>
</pr:Preview>
</content>
<link title="Subject Document" rel="enclosure"

```

```
href="http://bhiedevappch3.vaco.va.gov/ecrud/v1/core/fs/53aacbeb9bb743df2029e7b5" type="text/xml" length="1000000" hreflang="en" />
    <link title="Attachment" rel="enclosure"
href="http://bhiedevappch3.vaco.va.gov/ecrud/v1/core/fs/53aacbe69bb743df2029e76b" type="application/pdf" length="1000000"
hreflang="en" />
    </entry>
</feed>
```

- Sample “Exam Result Manifest Available” notification. This example is of two Manifest Notifications returned by the query.



ManifestNotificationQueryResult.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<documents>
  <document>
    <feed xmlns="http://www.w3.org/2005/Atom"
xsi:schemaLocation="http://www.w3.org/2005/Atom ../XMLschemas/atom/2005/vler/0.2/atom.xsd"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler"
xmlns:s="http://niem.gov/niem/structures/2.0"
xmlns:pr="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1
.0" xmlns:nc="http://niem.gov/niem/niem-core/2.0">
      <title type="text">VA VLER DAS Life Event Notification Service (LENS)
ver. 0.1</title>
      <subtitle type="text">DBQ Exam Result Manifest Available</subtitle>

      <id>ecrud/v1/core/compensationAndPension.manifest/53aa0cc9a171c8c920000002</id>
      <updated>2014-06-24T23:42:01.122Z</updated>
      <generator version="0.1">VA VLER DAS Life Event Notification Service
(LENS)</generator>
      <author>VA VLER DAS Life Event Notification Service (LENS)</author>
      <entry>
        <title>DBQ Exam Result Manifest Available</title>
        <id>53aa0cc9a171c8c920000002</id>
        <content type="application/xml">
          <ManifestID>6ba7b810-9dad-11d1-80b4-
10c04fd1111</ManifestID>
          <StationNumber>234</StationNumber>
          <Status>Open</Status>
        </content>
        <link title="Subject Document" rel="enclosure"
href="http://bhiedevappch3.vaco.va.gov/ecrud/v1/core/compensationAndPension.manifest/53aa0cc9
a171c8c920000002" type="text/xml" length="1000000" hreflang="en" />
      </entry>
    </feed>
    <uploadDate>2014-06-25T03:04:29.492Z</uploadDate>
    <_id>53aa3c3daf94fcb7200000061</_id>
  </document>
  <document>
    <feed xmlns="http://www.w3.org/2005/Atom"
xsi:schemaLocation="http://www.w3.org/2005/Atom ../XMLschemas/atom/2005/vler/0.2/atom.xsd"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:vler="http://vler.va.gov/vler/schemas/vlerSupersetSchema/0.9/vler"
xmlns:s="http://niem.gov/niem/structures/2.0"
xmlns:pr="http://vler.va.gov/vler/schemas/health/clinicalDocuments/clinicalAssessments/cpExams/1
```

```

.0" xmlns:nc="http://niem.gov/niem/niem-core/2.0">
    <title type="text">VA VLER DAS Life Event Notification Service (LENS)
ver. 0.1</title>
    <subtitle type="text">DBQ Exam Result Manifest Available</subtitle>

    <id>/ecrud/v1/core/compensationAndPension.manifest/53aa0f259bb743df201cb6ee</id>
    <updated>2014-06-24T23:52:05.462Z</updated>
    <generator version="0.1">VA VLER DAS Life Event Notification Service
(LENS)</generator>
    <author>VA VLER DAS Life Event Notification Service (LENS)</author>
    <entry>
        <title>DBQ Exam Result Manifest Available</title>
        <id>53aa0f259bb743df201cb6ee</id>
        <content type="application/xml">
            <ManifestID>6ba7b810-9dad-11d1-80b4-
10c04fd2222</ManifestID>
            <StationNumber>234</StationNumber>
            <Status>Open</Status>
        </content>
        <link title="Subject Document" rel="enclosure"
href="http://bhiedevappch3.vaco.va.gov/ecrud/v1/core/compensationAndPension.manifest/53aa0f25
9bb743df201cb6ee" type="text/xml" length="1000000" hreflang="en" />
    </entry>
</feed>
<uploadDate>2014-06-25T03:05:58.370Z</uploadDate>
<_id>53aa3c96af94fcb720000062</_id>
</document>
</documents>

```

## LENS – VBMS Exam Status Update Notifications



ExamStatusUpdate-1  
.xsd



ExamStatusUpdate.txt

```

<?xml version="1.0" encoding="UTF-8"?>
<feed xmlns="http://www.w3.org/2005/Atom"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.w3.org/2005/Atom
http://vler.va.gov/vler/schemas/atom/2005/vler/0.2/atom.xsd">
  <title type="text">VA VLER DAS Life Event Notification Service (LENS) ver. 0.1</title>
  <subtitle type="text">Exam Status Update Notification</subtitle>
  <id>/core/examStatus/554d0eec6e270254752d8fd3</id>
  <updated>2015-05-08T19:30:52.282Z</updated>
  <generator version="0.1">VA VLER DAS Life Event Notification Service (LENS)</generator>
  <author>
    <name>Data Access Service (DAS)</name>

```

```

</author>
<entry>
  <title>Exam Status Update</title>
  <id>aaa-bbb-9874</id>
  <published>2015-04-14</published>
  <updated>2015-04-14</updated>
  <author>
    <name>Veterans Health Administration (VHA)</name>
  </author>
  <content type="application/xml">
    <esu:ExamStatusUpdate Version="1.0"
xmlns:esu="http://va.gov/vler/schemas/vlerSupersetSchema/ExamStatusUpdate/1.0">
      <ExamLevelStatus>Referred</ExamLevelStatus>
      <DateOfCancellation>2015-04-14</DateOfCancellation>
      <ReasonForCancellation>Failed to RSVP</ReasonForCancellation>
      <DateOfExamStatusChange>2015-04-14</DateOfExamStatusChange>
      <ExamRequestInitiation/Uuid>0EAB17B5-D7F6-40EE-AFA6-
27C4D49F3765</ExamRequestInitiation/Uuid>
      <ContentionUuids>
        <ContentionUuid>ccc-ddd-2345</ContentionUuid>
        <ContentionUuid>eee-fff-1234</ContentionUuid>
        <ContentionUuid>ggg-hhh-48574-zzz</ContentionUuid>
      </ContentionUuids>
      <VhaPointOfContactPhoneNumber>111-555-1212</VhaPointOfContactPhoneNumber>
      <NameOfOrderedExam>Labotomy</NameOfOrderedExam>
      <MedicalExaminationUuid>aaa-bbb-9874</MedicalExaminationUuid>
      <SpecificLocationOfExam>Bugtussle Arkansas</SpecificLocationOfExam>
      <DateExamIsScheduled>2015-04-14</DateExamIsScheduled>
    </esu:ExamStatusUpdate>
  </content>
<link
href="http://bhiedevappch3.vaco.va.gov:8000/ecrud/v1/core/examStatus/554d0eec6e270254752d8fd3"
hreflang="en" length="1000000" rel="enclosure"
title="Subject Document" type="text/xml"/>
</entry>
</feed>

```

## LENS – VBMS Contention Status Update Notifications



ContentionStatusUp  
date-1.0.xsd



ContentionStatusUpdate.txt

```

<?xml version="1.0" encoding="UTF-8"?>
<feed xmlns="http://www.w3.org/2005/Atom"

```



```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.w3.org/2005/Atom
http://vler.va.gov/vler/schemas/atom/2005/vler/0.2/atom.xsd">
  <title type="text">VA VLER DAS Life Event Notification Service (LENS) ver. 0.1</title>
  <subtitle type="text">Contention Status Update Notification</subtitle>
  <id>/core/contentionStatus/554d0b7b6e270254752d8fd2</id>
  <updated>2015-05-08T19:16:11.900Z</updated>
  <generator version="0.1">VA VLER DAS Life Event Notification Service (LENS)</generator>
  <author>
    <name>Data Access Service (DAS)</name>
  </author>
</entry>
  <title>Contention Status Update</title>
  <id>aaa-bbb-9874</id>
  <published>2015-04-14</published>
  <updated>2015-04-14</updated>
  <author>
    <name>Veterans Health Administration (VHA)</name>
  </author>
  <content type="application/xml">
    <csu:ContentionStatusUpdate Version="1.0"
xmlns:csu="http://va.gov/vler/schemas/vlerSupersetSchema/ContentionStatusUpdate/1.0">
      <ContentionStatus>Clarification Request</ContentionStatus>
      <ReasonForClarificationRequest>Contention(s) not clear</ReasonForClarificationRequest>
      <ReasonForClarificationRequestComments>Missing last
name</ReasonForClarificationRequestComments>
      <DateOfContentionStatusChange>2015-04-14</DateOfContentionStatusChange>
      <ExamRequestInitiation/Uuid>0EAB17B5-D7F6-40EE-AFA6-
27C4D49F3765</ExamRequestInitiation/Uuid>
      <ContentionUuid>aaa-bbb-9874</ContentionUuid>
      <VhaPointOfContactPhoneNumber>111-555-1212</VhaPointOfContactPhoneNumber>
    </csu:ContentionStatusUpdate>
  </content>
  <link
href="http://vhamwvdevdasch3.vaco.va.gov:8000/ecrud/v1/core/contentionStatus/554d0b7b6e270254752
d8fd2"
  hreflang="en" length="1000000" rel="enclosure"
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