526 All Claims Flow Integration with PTSD (781/781a)

(DRAFT)

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# Overview

The 781 and 781a forms support the disability claims for PTSD. The 781/a forms are part of the all claims submission and not include in claims for increase. …

# Design Considerations

## Submission of 781/a PDF

The 526 flow integrates with EVSS for claims submission. The 526 API code passes a JSON object to an EVSS service(ADD NAME). The EVSS service creates the 526 PDF and uploads to VBMS eFolder. The current 526 flow also has a mechanism for uploading supporting evidence to VBMS eFolder through an EVSS DocumentsServices API. There are two options on how the 781/a will be uploaded to VBMS. The first would follow the 526 submission and require EVSS to create the PDF and upload to VBMS. The second option would be for the Claims Modernization team to create the PDF leveraging the existing PDF generator and submit via the EVSS DocumentsService API. The second option was chosen to limit changes to the EVSS system.

# 526 / 781 Integration

Below is a summary of the 526/781 process.

## UI

* 781 pages will be added to 526 form
* 781 is part of all claims flow
* 781 survey can be by-passed if a completed copy is available for upload
* 781 schema will be imported into the 526 schema (initially a standalone schema is being utilized as the vets-json schema structure is being modified,

## API

* 526 submit processing includes 781 in JSON payload
* 526 API saves data to saved\_claims table
* API invokes 526 async process
* Async process will split out 526 and 781 data – (BAH to define required elements)
* After completion of 526 EVSS submission the 781 Async process will be invoked with 781 JSON object
* 781 async process creates PDF from 781 JSON
* 781 async submits 781 via EVSS DocumentsService API
* If 781 async fails after maximum retires a reporting table is updated with error status

## Outstanding Items

* Production Operations
* Routing for 781a
* Reporting
* Correlating 526 submission with 781/a

# 781 Processing

Here are some high level key design points for Vets API Integration document of 526EZ + 0781

* 526 disability compensation submit end point will receive JSON form content that contains both the 526 and 0781/0781a data.
* A new class to be written that will extract and translate 0781/0781A data from the entire form to a format for the 781 process
* Submit end point will then pass the 781 extracted data to 526 async process. Upon successful processing (acknowledgement from EVSS), the 526 async process will invoke the 781 async background job with the extracted 781 data and veteran profile data.
* 781 background job will parse the form, generate and stamp pdf, invoke EVSS::DocumentsService (EVSS Document Service) to upload the document to VBMS. Refer to EVSS::DisabilityCompensationForm::SubmitUploads for existing evidence upload implementation
* 781 will utilize PDF generation capability provided by vets-api
* 781 PDF will be submitted to VBMS via EVSS DocumentsService API
* Users can bypass survey questions and directly upload PDFs. We will leverage the fileUploadUI from the us-forms-system in conjunction with the upload\_supporting\_evidence API to upload PDFs. This will mimic the Evidence Upload capability leveraged by the 526.
* 781 implementation will use local schema being leveraged by 526 new claims until this is merged into vets-json schema
* 526 disability compensation submit end point will receive JSON form content that contains both the 526 and 0781/0781a data.
* A new class to be written that will extract and translate 0781/0781A data from the entire form to a format for the 781 process
* Submit end point will then pass the 781 extracted data to 526 async process. Upon successful processing (acknowledgement from EVSS), the 526 async process will invoke the 781 async background job with the extracted 781 data and veteran profile data.
* 781 background job will parse the form, generate and stamp pdf, invoke EVSS::DocumentsService (EVSS Document Service) to upload the document to VBMS. Refer to EVSS::DisabilityCompensationForm::SubmitUploads for existing evidence upload implementation
* Reporting enhancements are being evaluated to support tracking of 526 submissions and ancillary forms including the 781.

# 781 Metrics

* # of Form Submissions
* Interview vs. Form Upload
* Interview Completion Rate
* Drop Off Rate
* Drop Off Location
* Time in Funnel
* Veteran Demographics

## 526/781 Integration

### 526/781 Flow

The diagram below depicts the proposed 526 flow and interactions with the 781 processing components.

INSERT DIAGRAM HERE

## 781 Back End Processing

The diagram below depicts the process flow for 781 data and the integration with the 526 flow.

INSERT DIAGRAM HERE

### JSON Implementation Details

Expected sample JSON file for 781 PDF generation is available on: TBD GitHub and included below.

781 Background Job Initial Version is available on: TBD GitHub

Details of the JSON fields are as below:

* + TBD

**781 definition to be integrated into 526 Schema is shown below:**

**Sample 781 JSON Payload:**

**Method signature for 781 Sidekiq asynchronous background process**

*# Performs an asynchronous job for submitting a Form 781 to EVSS DocumentsServices API*

*# @param*

*# @param*

*# @param*