# Security Review Documentation - Form 22-10297 (High Technology Program)

## Architecture Diagram

Diagram

AI-generated content may be incorrect.

* User submission flow
* Controller interactions
* Spool File

Security Approach:

* Uses existing education benefits security model
* Standard VA.gov security controls
* Authenticated form submission

Dependencies:

* Existing education benefits infrastructure
* Standard VA.gov components

## Incident Response Plan

Points of Contact:

* Primary: VEBT team
* Slack Channels:
  + #vfep-developer-support (main alerts)
  + #vsa-education-logs (additional logging)

Security Fix Timeline:

* Follow standard VA.gov security patch process
* Immediate response to critical vulnerabilities
* Coordination with platform team as needed

## Sequence Diagram

Timeline

AI-generated content may be incorrect.

* Form submission flow
* Data storage
* Spool File process

## Data Flow Diagram

Diagram

AI-generated content may be incorrect.

* Data collection points
* Storage locations
* Access patterns
* Processing flow

Data Collection:

* Name & Address
* SSN
* Sex
* DOB
* Email
* Phone Number
* Applied for Benefits before
* Full Time Active Duty
* Expected Release Date
* Active Duty Status Change
* Bank Info
* Training Provider Name & Address
* Training Start Date
* Background Information
* Salary
* Education Level

Data Storage:

* Standard database encryption

Access Control:

* Authenticated form submission

VA Notify:

* Link to API to send email confirmation to end user upon submission.

## API Endpoint Documentation

Endpoint: POST /v0/education\_benefits\_claims/10297

* Part of existing education benefits claims controller
* Uses same pattern as other education forms (i.e. 22-10203)
* Standard input validation

## Monitoring Plan

Datadog Monitoring:

* Education Benefits Claims dashboard
* P3 monitor for non-4XX errors
* P4 monitor for anomalous traffic

## Security Monitoring Plan

Code Base Security:

1. Compromise Detection
   * Monitored via existing Datadog alerts
   * Abnormal traffic patterns detected by P4 monitor
   * Server errors caught by P3 monitor
2. Process Execution
   * Runs within existing education benefits claims infrastructure
   * Uses same security model as other education forms
   * Authentication required
3. Disabling Process
   * Can be disabled via existing education benefits controls

## New Logging

1. Standard Controller Logging:
   * Request/response logging via existing controller
   * Error logging to standard Rails logs

## Cookies

* No new cookies introduced
* Uses standard VA.gov session management
* No modifications to existing cookies

## Authentication Status

* Authenticated form
* Same security model as form 22-10203
* Login required for submission

## Release Plan

Phase I - UAT:

1. Planning
   * Test on staging environment
   * Verify Datadog monitoring
   * Confirm alert routing
   * Test Spool File generation

Phase II - Limited Release (available if desired):

1. Planning
   * Monitor form submissions in production
   * Review Datadog metrics for errors/issues

Go Live:

1. Planning
   * Full production deployment
   * Active monitoring via Datadog dashboard
   * Alert response via established playbook

## Potential Abuse Scenarios & Mitigation

1. Form Submission Abuse
   * Rate limiting via existing VA.gov controls
   * Input validation on all fields
   * Same protections as other education forms

## Data Storage and Security

1. Database Storage
   * Uses existing education benefits claims tables
   * Standard VA.gov database security
   * Regular data cleanup processes
2. File Storage
   * Secure FTP to Regional Processing Office