

Vulnerability Remediation Asset Manager (VRAM) Quick Start Guide Registration and Use

SPAWAR



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Purpose

This guide provides a quick reference to getting started on the Vulnerability Remediation Asset Manager (VRAM) web site. It is written for first-time VRAM users who have not previously logged on to the site.

Program Description

VRAM is a portlet¹ application running on a Navy Enterprise constituent portal hosted at Fleet Numerical Meteorology and Oceanography Center (FNMOC), Monterey, CA. The Navy Enterprise Single Sign-On (NESSO) application provides user authentication services for the portal, including the VRAM web site. VRAM is a repository for Secure Configuration Compliance Validation Initiative (SCCVI) Information Assurance Vulnerability (IAV) scan data. The SCCVI data is collected in a way that allows authorized users of VRAM the ability to view and assess the IAV/network security posture of one or more afloat/ashore units. Once the SCCVI data is uploaded, VRAM provides meaningful and actionable reports that provide system administrators with a way-ahead for mitigation of their network vulnerabilities. VRAM also provides links to several Navy IA web sites offering many of the resources needed for your daily tasks.

System Requirements

1. Computer(s) with an internet connection to the NIPRNet and SIPRNet
 - a. NIPRNet VRAM URL: <https://www.iaportal.navy.mil/> (PKI CAC Required)
 - b. SIPRNet VRAM URL: <https://204.34.146.245/iaportal/>
2. Screen resolution should be set to at least 800 x 600 pixels
3. A Web browser, such as Internet Explorer, Netscape, or Mozilla
4. Appropriate hardware and software (NIPRNet only) to enable use of your CAC PKI certificates within your Web browser
5. Ensure both PKI certificates and root certificates are properly registered within your Web browser (NIPRNet only)
6. JavaScript and Session Cookies must be enabled within your Web browser

¹ Portlet – A reusable Web component that displays relevant information to portal users

Registering for a NESSO Account

To register for a new NESSO account, follow the steps below:

1. Open a Web browser and navigate to the respective NIPRNet or SIPRNet VRAM website, as provided in the previous section.

Note: For the purposes of this guide, we will step through the registration process on the NIPRNet NESSO and VRAM website only, where your CAC will be required for authentication purposes. SIPRNet registration will be similar to NIPRNet registration, however, SIPRNet requires a username/password combination for authentication vice CAC PKI certificates.

Note: SOFT CERTIFICATES – If you have a PKI certificate issued by an External Certificate Authority (ECA) other than Operational Research Consultants, Inc., Digital Signature Trust Co., or VeriSign, Inc., contact VRAM Technical Support before registering for your NIPRNet VRAM account.

2. When the Client Authentication dialog box appears, select your name for the certificate to use when connecting and click **OK**. Enter the PIN code for your CAC when prompted and click **OK**. Once at the NESSO login page, new users will see the screen shown below:

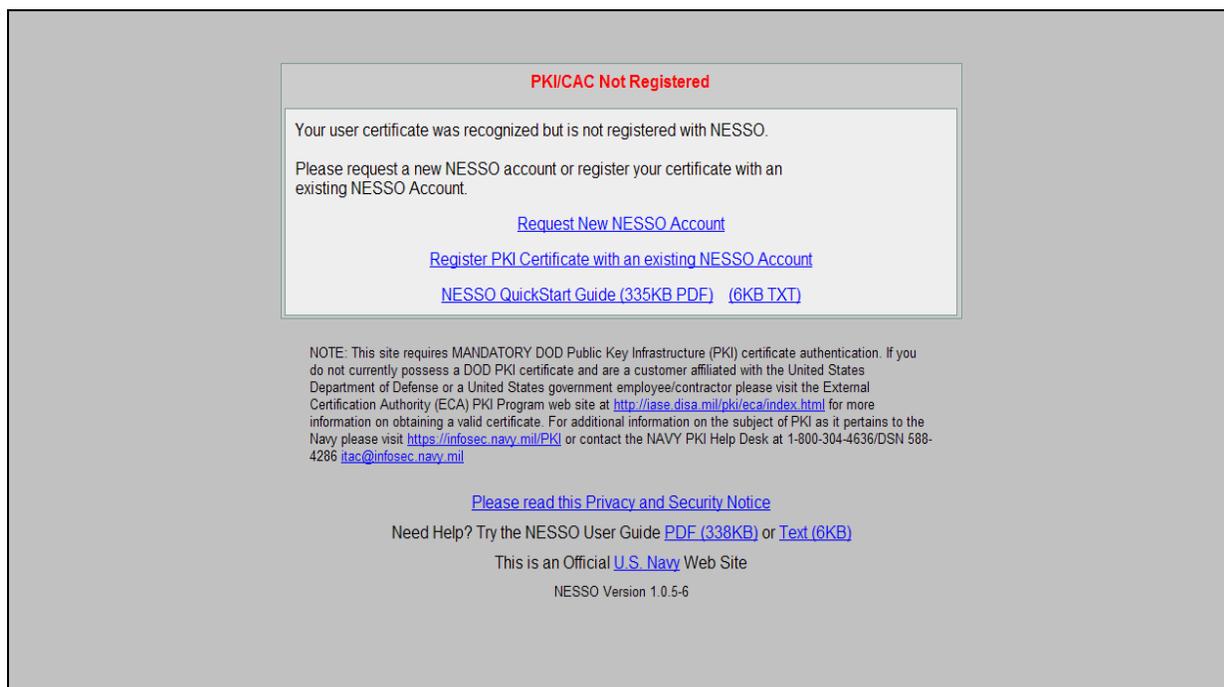


Figure 1: NESSO Login Page for First Time Users

3. Click the **Request New NESSO Account** link and fill in the NESSO Account Registration form. If your CAC was inserted into your card reader before you started the registration process, the PKI certificate information will be displayed below the **PKI Certificate Information** section, as shown in Figure 2, and will be registered with NESSO when you submit your application.

NESSO Account Registration	
Required fields are bold	
NESSO Registration Policy	
<ul style="list-style-type: none"> • Only one NESSO account will be allowed for each user. • Each NESSO account will have a unique username. • The username will be the e-mail address registered by the user. 	
PKI Certificate Information	
C=US O=U.S. Government OU=DoD OU=PKI OU=CONTRACTOR CN=NOYES.LEIGH.1171625965	

Figure 2: NESSO Account Registration - PKI Information

4. Fill in the **User Information** section, as shown in Figure 3. Required fields are shown in bold. PLA is Plain Language Address (i.e., FLENUMMETOCEN). UIC is Unit Identification Code (i.e., N63134) and should be the UIC of your operational unit. DSN is Defense Switched Network.

Note: Passwords must be a minimum of 8 characters. They must contain at least one letter, one number, and one non-alphanumeric symbol (! @ # \$ % ^ & * ()).

User Information	
Email Address:	<input type="text" value="(john.doe@navy.mil)"/>
Re-enter Email Address:	<input type="text"/>
Password:	<input type="text"/> 8-20 characters, including one letter, one
Verify Password:	<input type="text"/> number, and one punctuation character.
Title (not Rank):	<input type="text"/> (ex. Dr., Mr., Mrs., etc.)
First Name:	<input type="text"/>
Middle Initial:	<input type="text"/>
Last Name:	<input type="text"/>
Citizen of:	<input type="text" value="United States (US)"/>
Rank/Rate/Grade:	<input type="text"/>
Branch of Service:	<input type="text"/>
Command (or PLA):	<input type="text"/>
UIC:	<input type="text"/> (ex. N12345)
Commercial Phone:	<input type="text"/> (ex. 123-456-7890)
DSN Phone:	<input type="text"/> (please provide if available)
Office/Billet Code:	<input type="text"/>
Street Address:	<input type="text"/>
Home Base or City:	<input type="text"/>
State or Province:	<input type="text"/>
Country:	<input type="text" value="United States (US)"/>

Figure 3: NESSO Account Registration - User Information

5. Fill in the **Mailing Address** section, as shown in Figure 4:

Figure 4: NESSO Account Registration - Mailing Address

- When finished, click **Submit** to register your NESSO account; then continue on to the NESSO login screen, which will now automatically show your registered NESSO username, as shown in Figure 5:

Figure 5: NESSO Login page with CAC authentication

- Click **Continue** to register for a VRAM account, which is described in detail in the next section

Registering for a VRAM Account

Now that you have registered for a NESSO account, you can enter the VRAM site and register for a VRAM account:

- Login to NESSO by clicking the **Continue** button, as described in the previous section.

- The VRAM Account Registration Wizard will automatically display, as shown in Figure 6. Complete step 1 by selecting your appropriate VRAM user type:

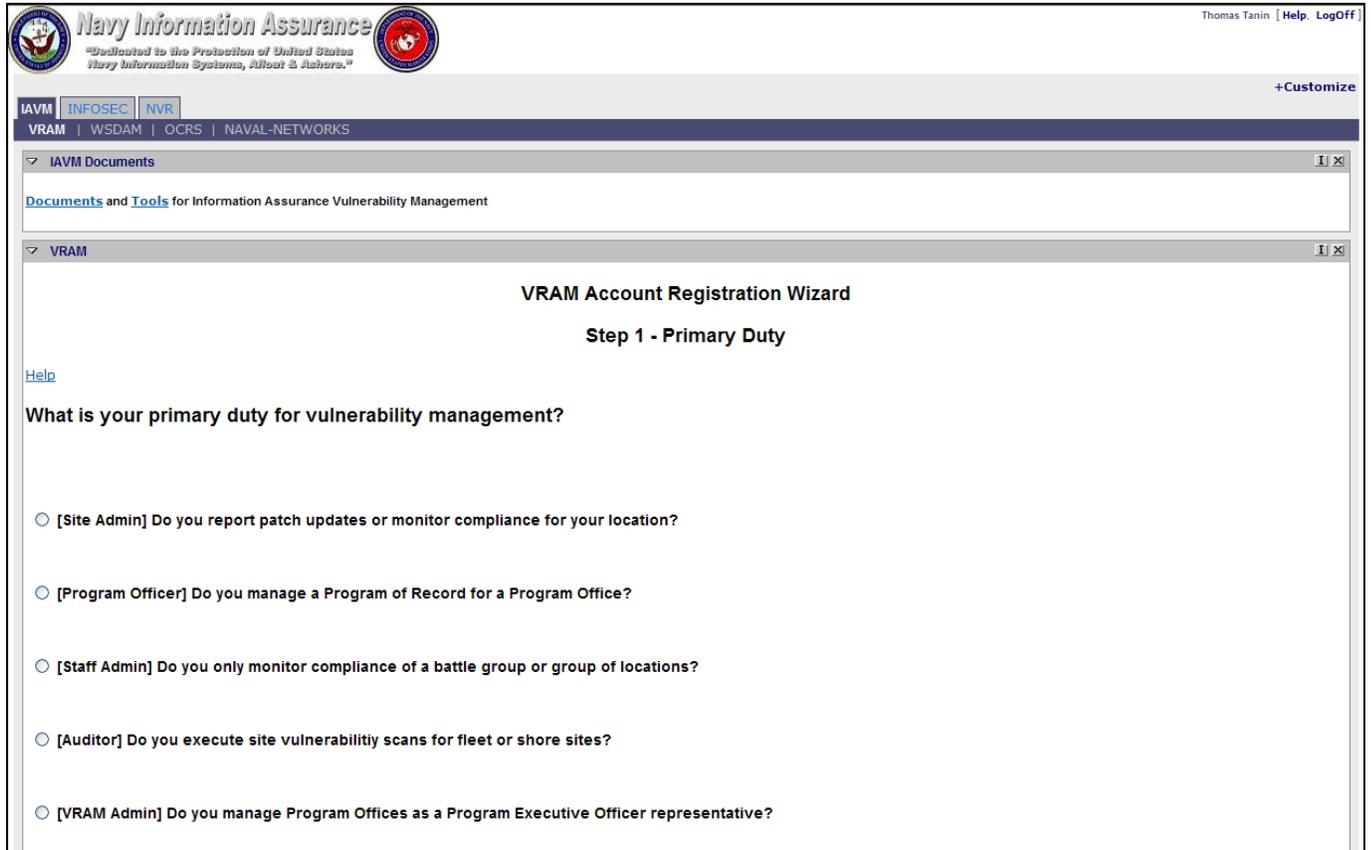


Figure 6: Selecting your Primary User Type

Note: There are five VRAM user types, as described in the table below:

VRAM User Type	Description
Site Administrator	A system, network or security administrator and/or an Information Assurance Manager (IAM) attached to a Naval ashore or afloat unit. Responsible for performing network vulnerability scans and/or reporting IAVM compliance for their specific unit
Program Office	Reserved for personnel at the Systems Command level supporting one or more Program Offices. Responsible for managing Program of Record (POR) IAVM data and patch availability information in VRAM. Monitors IAVM compliance of POR system at Navy units
Staff Administrator	Reserved for personnel at the afloat or shore Staff level (TYCOMs, ISICs, etc.) that monitor a group of units to ensure IAVM compliance is being met
Auditor	A member of a DoD and/or Navy-sponsored vulnerability assessment team. Responsible for executing and/or validating site SCCVI scans for various units
VRAM Administrator	Reserved for VRAM administrative and management personnel

- Enter your Organizational and Supervisor information in step 2. This information will assist in verifying the authorization of your account.

9. Enter your contact information in step 3.
10. Step 4 displays a complete listing of your input for you to review for verification. Most importantly, it lists the User Type you are requesting and your associated unit or command, if applicable.
11. After reviewing the information, click **Prev** to go back and edit the information or click **Submit** to forward your account request to the VRAM administrators. A successful submission will be indicated by the display of the **Account Request Pending** page, as shown in **Error! Reference source not found.7**. Approval of your VRAM registration request is based on the validation of your VRAM role and will be e-mailed to you within one to three business days.

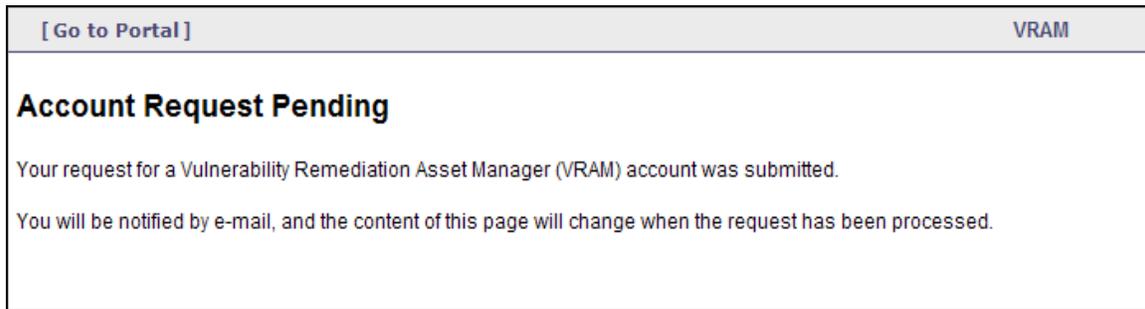


Figure 7: VRAM Account Request Confirmation

12. To end your session, click **LogOff** in the top right part of the screen, as shown in the figure below:



Figure 8: Log Off Option

Note: You should end each session by using the **LogOff** option vice closing the browser window

Additional Information

Once your account has been approved and you have successfully logged in to VRAM; additional information can be obtained by reading the VRAM user guides. User guides have been developed for each of the user types and can be downloaded from the “Documents” section, located within the administrative toolbar at the bottom of each page in VRAM.

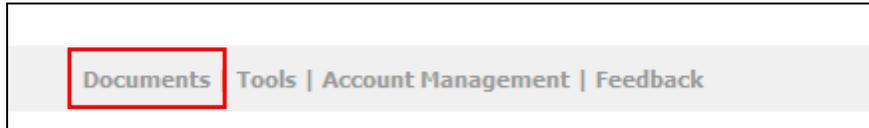


Figure 9: VRAM User's Administrative Toolbar

Technical Support

All technical issues regarding NESSO and the VRAM web site should be directed to vram-admin@iaportal.navy.mil. Alternatively, once logged in to VRAM, the **Feedback** link, located within the administrative toolbar at the bottom of the screen can be used to report technical issues.

All questions or comments related to the use of VRAM should be directed to ssc_pac_vram@navy.mil