



Federal Aviation
Administration



Extended Service Volume Management System 12.0.0 User Manual
For the
FAA- Spectrum Engineering Automation System
(SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)

Contract No. DTFAWA17A-00053

Version 1.0

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1.0. Overview

The ESVMS – Extended Service Volume Management System is a workflow management and reference database system. This system is a web-enabled application that supports the modification of Frequency Protected Service Volumes (FPSV) to support the aviation flight procedure design and flight testing pursuant to FAA Instrument Flight Procedures. When Navigation aids are used beyond limitations cited in FAA Order 8260.19H paragraph 2-4-1b through 2-4-3f, an Expanded Service Volume (ESV) for that procedure element is required. An Expanded Service Volume (ESV) is a special volume of airspace, comprising the points or elements being used for navigation, outside the normally specified Frequency Protected Service Volume (FPSV). Each ESV is engineered using the same criteria as for FPSV. FAA Spectrum maintains the authoritative database for all ESVs that are used in the National Airspace System (NAS).

This is maintained because ESVs are not registered in the National Telecommunications and Information Administration (NTIA) Government Master File (GMF).

2.0. Scope

The user is required to register to access the ESVMS application and will be required to enter /select the information like First name, Phone, state, last name, program office and city. The functional roles which can be selected during the login process are Requesting Officer (RO) and Guest (GU). Additional functional roles must be assigned by the ESVMS administrator, following initial account setup.

3.0. ESVMS-Military User Registration

3.1. Registration Process

Step 1: Using the Chrome or Edge browser, open URL: <https://esvmsmil.faa.gov>

Step 2: The initial web page will be the U.S. Federal System ‘Warning’ page.

Security Policy **Accept**

You are accessing a U.S. Government authorized information system, which includes (1) this computer, (2) this computer network, (3) all computers connected to this network, (4) all devices and storage media attached to this network or to a computer on this network, and (5) all cloud servers and hosting environments supporting this information system. This information system is provided for U.S. Government-authorized use only.

Unauthorized or improper use of this system may result in disciplinary action, as well as civil and criminal penalties.

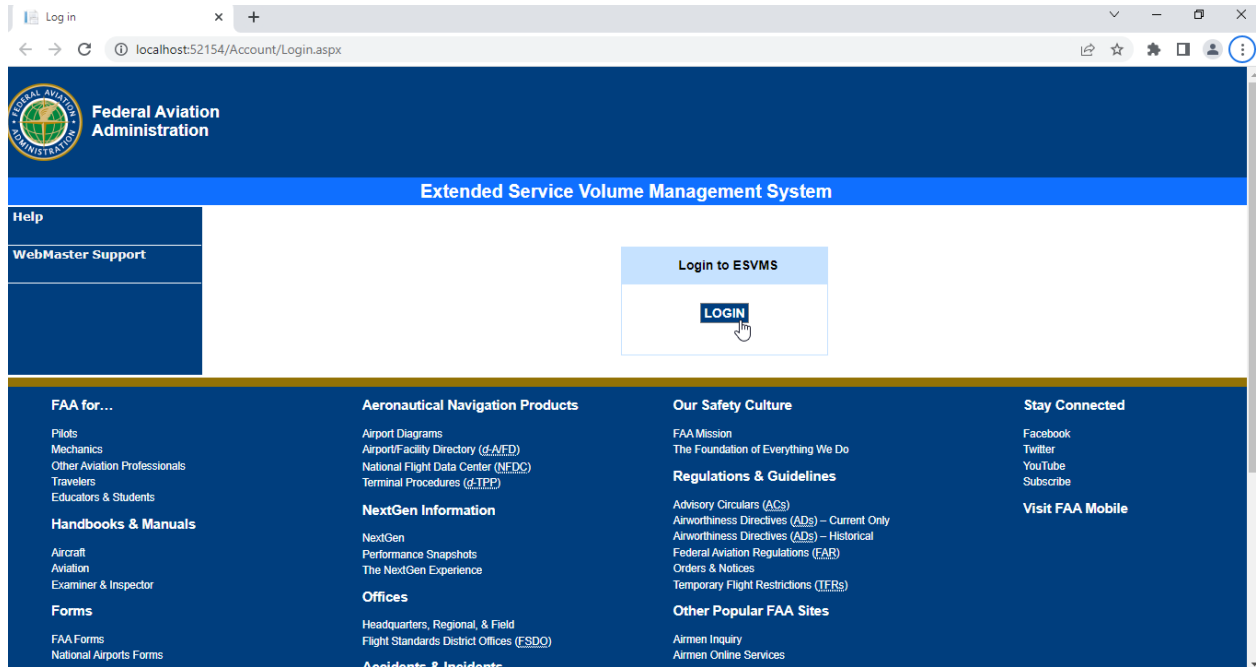
By logging in and using this information system, you understand and consent to the following:

- You have no reasonable expectation of privacy regarding communications or data transiting or stored on this information system.
- At any time, and for any lawful Government purpose, communication between the user and this information system, data transiting to/from the system, or stored on this system is subject to monitoring, interception, and search.
- Any communications or data transiting or stored on this information system may be disclosed or used for any lawful Government purpose.

Step 3: We suggest that you review and accept via the “Accept” button on the right hand corner of the banner.

Step 4: You will be presented the ESVMS MIL home page, at this point, please select and click on the “Login” button.

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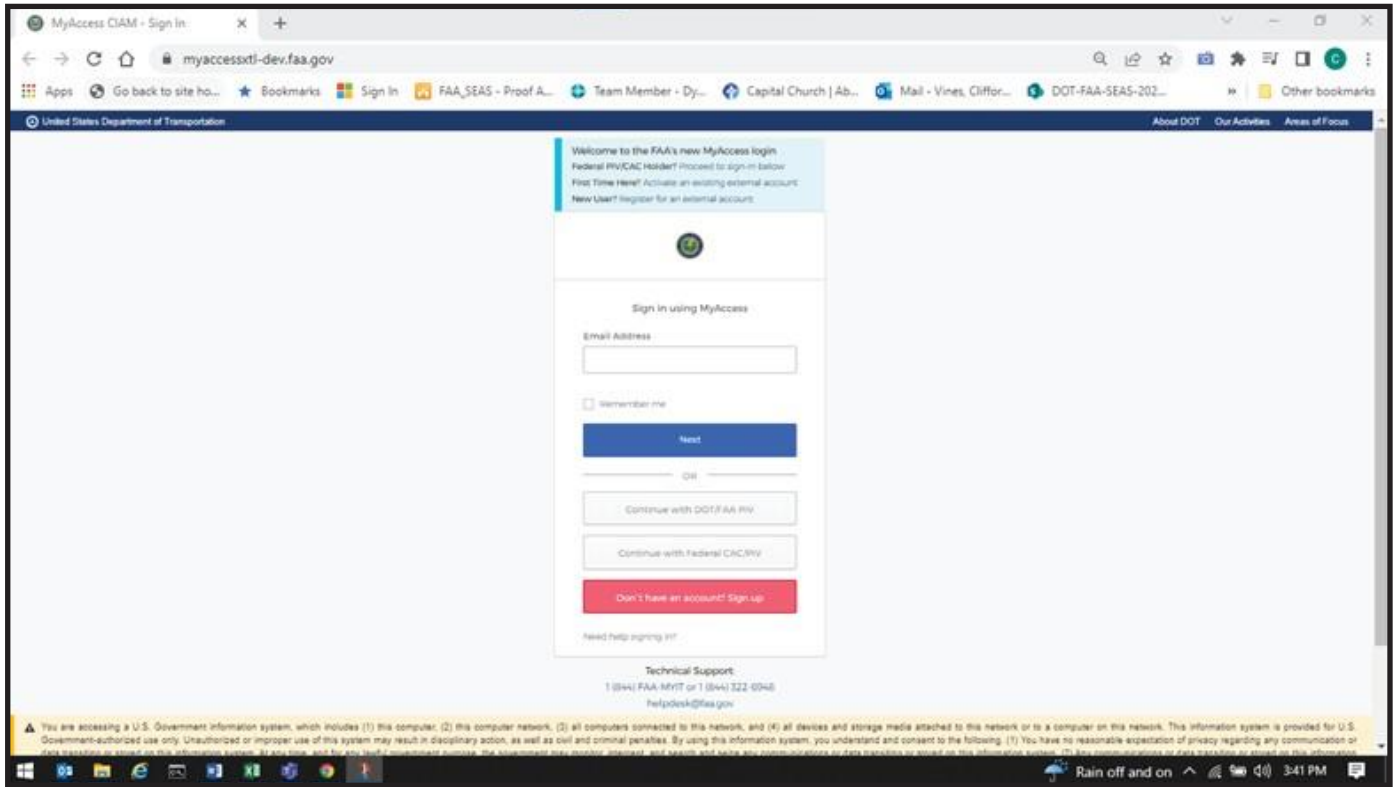
Step 5: You will then be presented with the Okta Registration page where continue with Federal CAC/PIV will be available.

Please Note:

The ESVMS-Military application is for the Military and valid Max.Gov account holders only. Hence the OKTA configuration will be disabled for FAA PIV and External Users, however OKTA will not prevent FAA PIV and External Users login through OKTA screens. After OKTA login, OKTA will provide a HTTP 403 Forbidden response status code indicates that the server understands the request but refuses to authorize it. If non-military user tries to login to ESVMS system, the ESVMS system shall intercept the HTTP 403 message and provide a user message indicating only military login is allowed.

As a military user you are required to click only the ‘**Continue with Federal CAC/PIV**’ button to proceed.

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Step 6: Upon clicking the ‘Continue with Federal CAC/PIV’ button to proceed, the next screen in the process is outlined as shown:

MAX.GOV LOGIN

Register For A MAX Account Manage Password Contact Us

Please sign in to continue to [MAX.gov Home Page.](#)

SIGN IN USING ...

PIV OR CAC CARD

PLUG IN YOUR PIV/CAC CARD

Continue with **PIV/CAC**

MAX.GOV USER ID

User ID

Password:

Use Secure+ (Authenticator App)

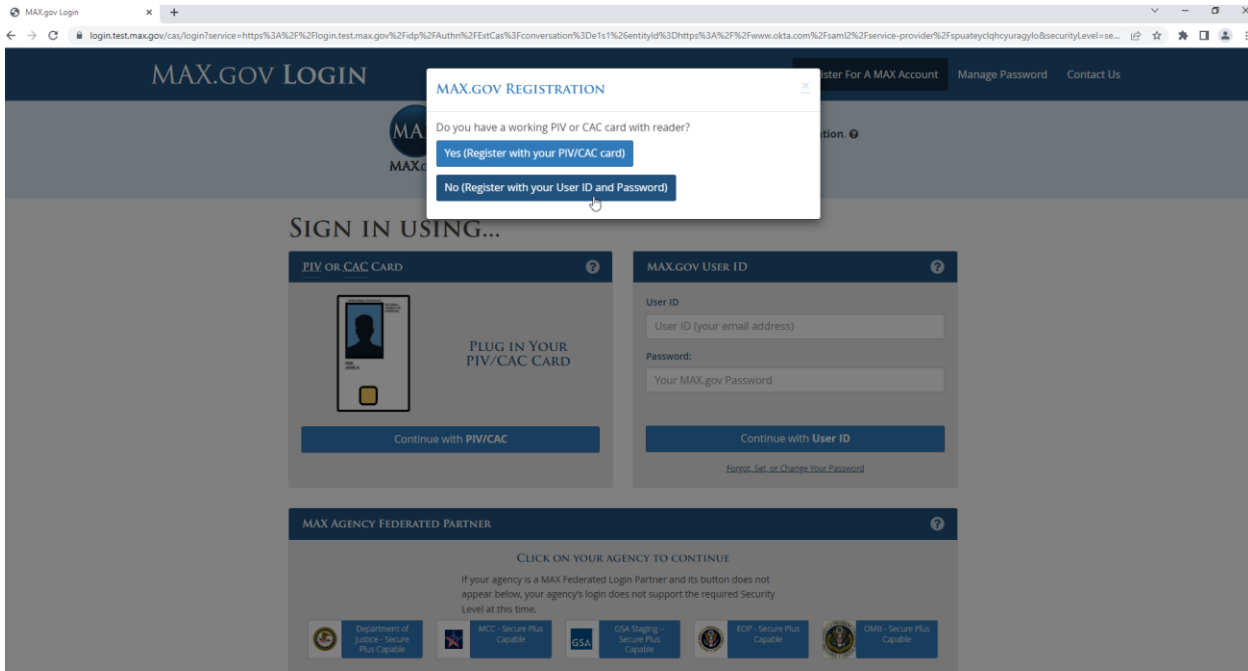
Continue with **User ID**

[Forgot, Set, or Change Your Password](#)

MAX AGENCY FEDERATED PARTNER

Step 7: Upon entering your military email and selecting Federal /CAC card registration, or to register for a new account using the 'Register for a Max account' button on the top, you will be presented with the Max.gov Registration page with two options- Using CAC/PIV card or Using User ID and Password.

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Step 8-Registration using email address: The OMB Max process next requests your name and Email Address, followed by your organization and work address details. Clicking “Continue” brings the next page with the User Agreement and Register button for OMB Max.

MAX.gov Registration

Registration with My Email Address

Please fill out the registration form below and select the "Continue" button.

Self-registration is available to Federal Government employees and contractors with a Federal Government email address. Federal employees/contractors with a non-government email address as well as non-federal employees performing Federal activities should contact MAXSupport@max.gov or 202-395-6860.

*indicates required fields

User Information

Contractor?

*First Name M.I. *Last Name

*E-Mail

*Confirm E-Mail

Organization

*Work Phone Number

Work Address

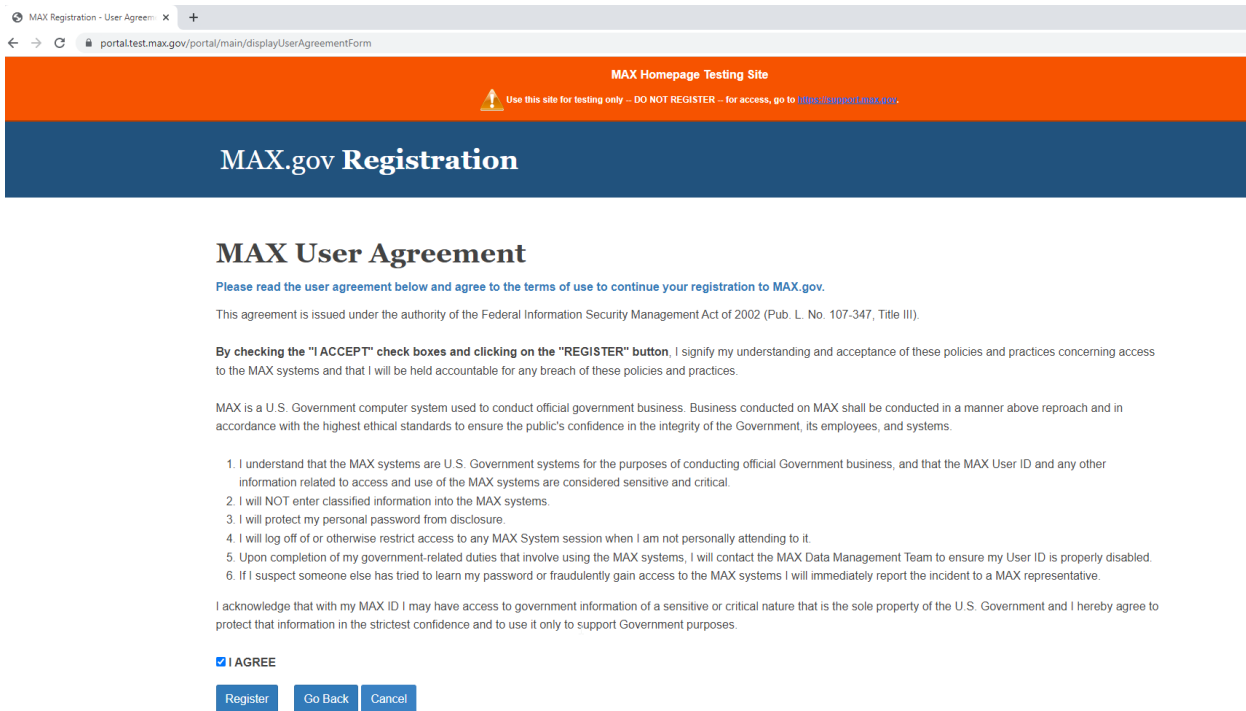
*Address - Line 1

Address - Line 2

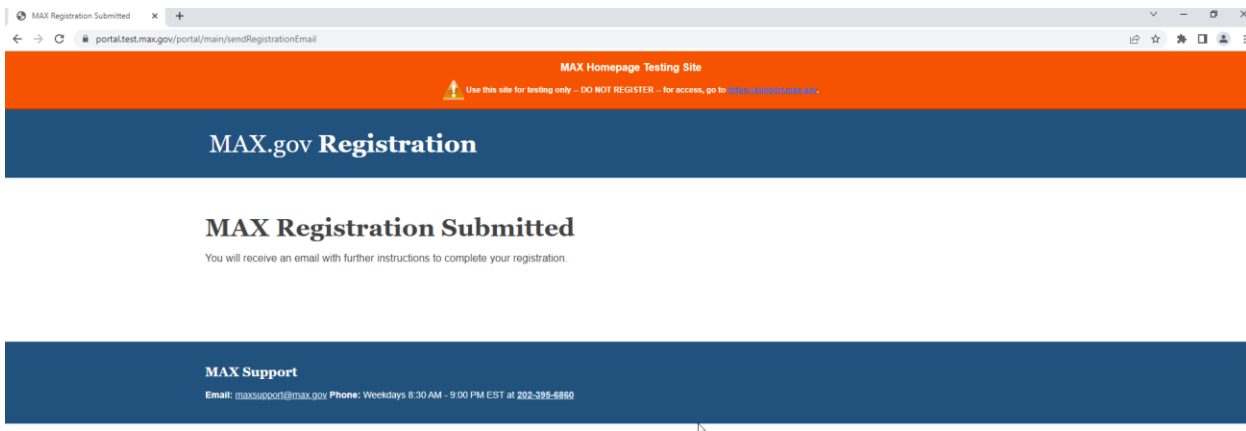
*City *State

*ZIP Code *Country

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Step 8a: Please agree and click the Register button. The system provides the submission confirmation as below.



Step 8b: You will receive an email from MAX support to create a new password

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no-reply.portal@max.gov | Kondaparthi, Sagarika CTR (FAA)
User ID for Accessing the MAX Federal Government System
We removed extra line breaks from this message.

***** MAX TEST ENVIRONMENT MESSAGE ***** You are receiving this email from the MAX Test environment. Please know that your MAX Production account and access have not been affected.

Dear Sagarika Kondaparthi (sagarika.ctr.kondaparthi@faa.gov),

Congratulations, you have been granted access to the MAX system. Your MAX User ID will be the email address you provided when you registered: sagarika.ctr.kondaparthi@faa.gov

Please click on this link to create your new password: <https://portal.test.max.gov/portal/password/changePasswordForm?token=8bdef875&email=sagarika.ctr.kondaparthi@faa.gov>

Password must contain at least 8 characters (minimum), and no more than 32 Characters (maximum).

Password must contain at least one of each of the following character types:

- a CAPITAL letter (A-Z),
- a lowercase letter (a-z),
- a number (0-9), and
- a special character (e.g., `!@#%&*()-=+[]{};:'",./?~\.`).

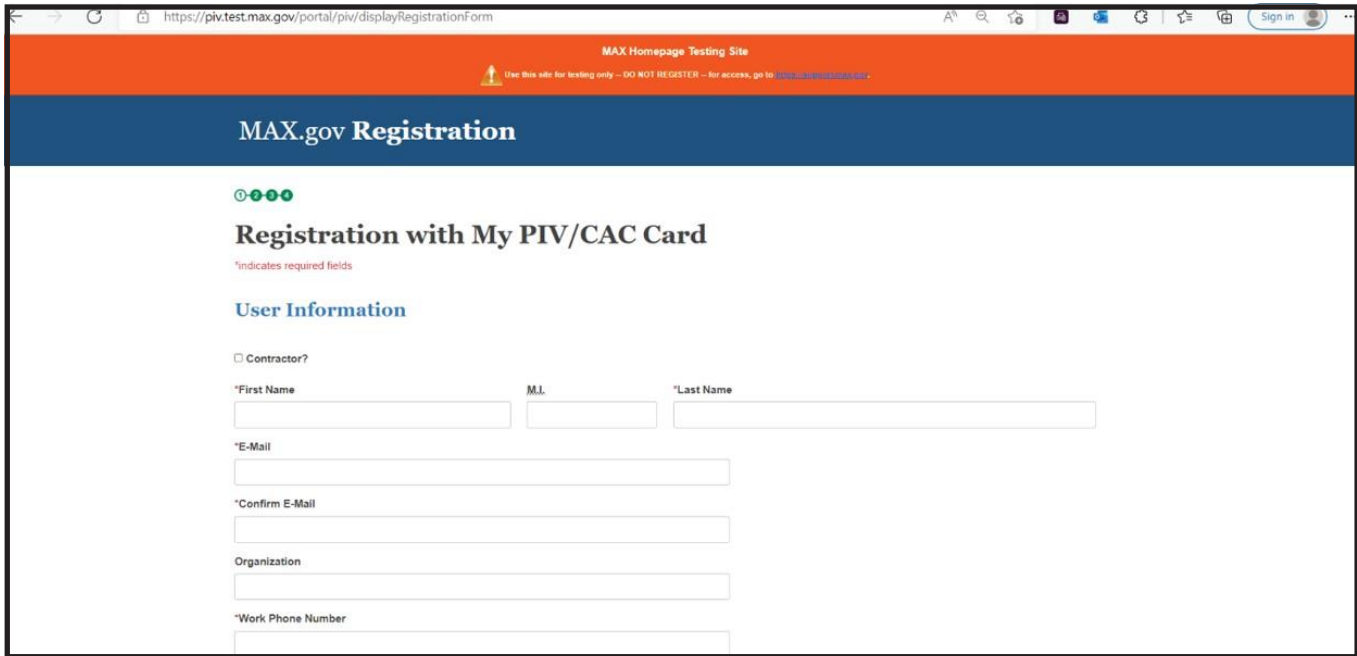
Password must not include greater than (>) or less than (<) characters

Please contact MAX Support at maxsupport@max.gov if you have any questions or experience problems.

Thank you!
The MAX Support Team
Budget Systems Branch
Office of Management and Budget
(202) 395-6860
(Weekday 8:30 AM to 6:30 PM)
(Evening Support 6:30 PM to 9:00 PM)

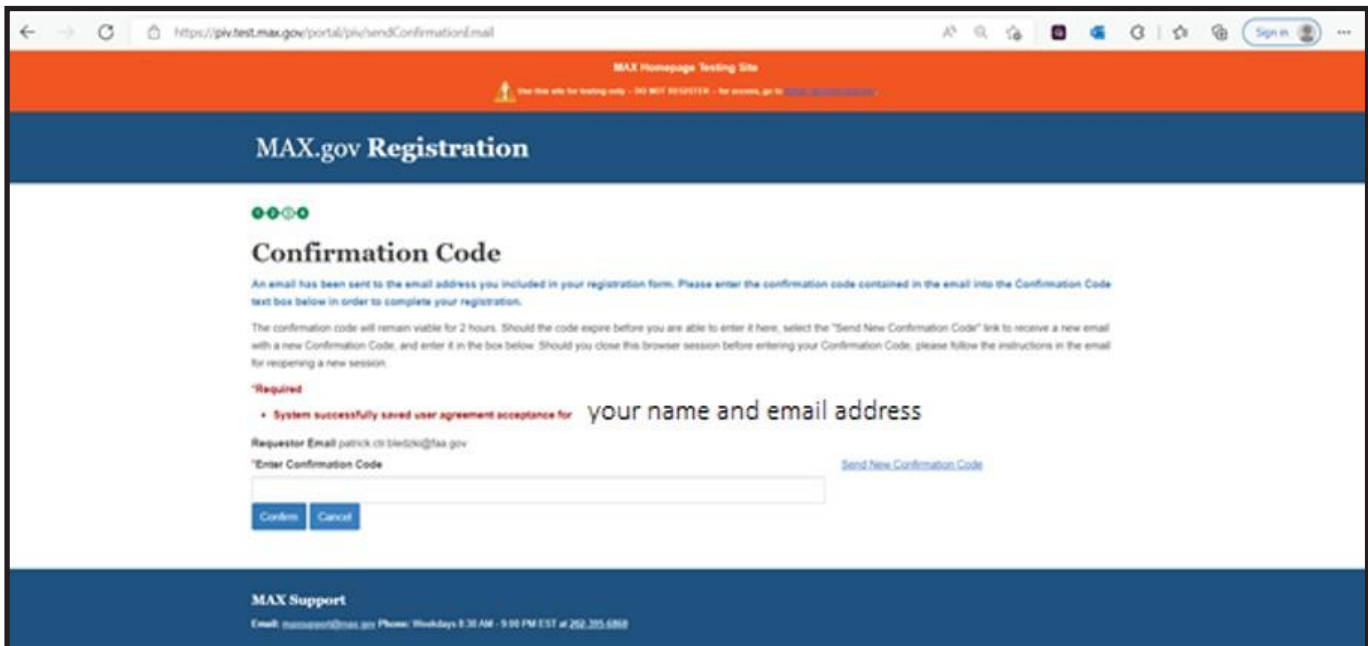
The screenshot shows a web browser window with the URL <https://portal.test.max.gov/portal/password/changePasswordForm?token=8bdef875&email=sagarika.ctr.kondaparthi@faa.gov>. The page header is orange and contains the text "MAX Homepage Testing Site" and a warning: "Use this site for testing only - DO NOT REGISTER - for access, go to www.max.gov". Below the header is a dark blue navigation bar with "MAX.gov Administration" and buttons for "Home", "Manage Password", and "Contact Us". The main content area is white and titled "Change Password". It includes instructions: "Please complete the form below and select the Submit button. When creating your password please note the following password requirements." and a "NOTE: You cannot re-use any of the last 16 passwords." The requirements are listed as bullet points: "Password must contain at least 8 characters (minimum) and no more than 32 characters (maximum)", "Password must contain at least one each of the following four character types: 1. Uppercase alpha (A-Z), 2. Lowercase alpha (a-z), 3. Numeric (0-9), and 4. Special non-alphanumeric characters (i.e., !@#%&*()-=+[]{};:'",./?~\.)", and "Password must not include greater than (>) or less than (<) characters". Below these requirements, the "Email Address" is pre-filled as "sagarika.ctr.kondaparthi@faa.gov". There are two password input fields: "New Password:" and "Confirm New Password:", both with masked characters. A blue "Submit" button is located below the second field. At the bottom of the page is a dark blue footer with "MAX Support" and contact information: "Email: maxsupport@max.gov Phone: Weekdays 8:30 AM - 9:00 PM EST at 202-395-6860".

Registration using my CAC/PIV card



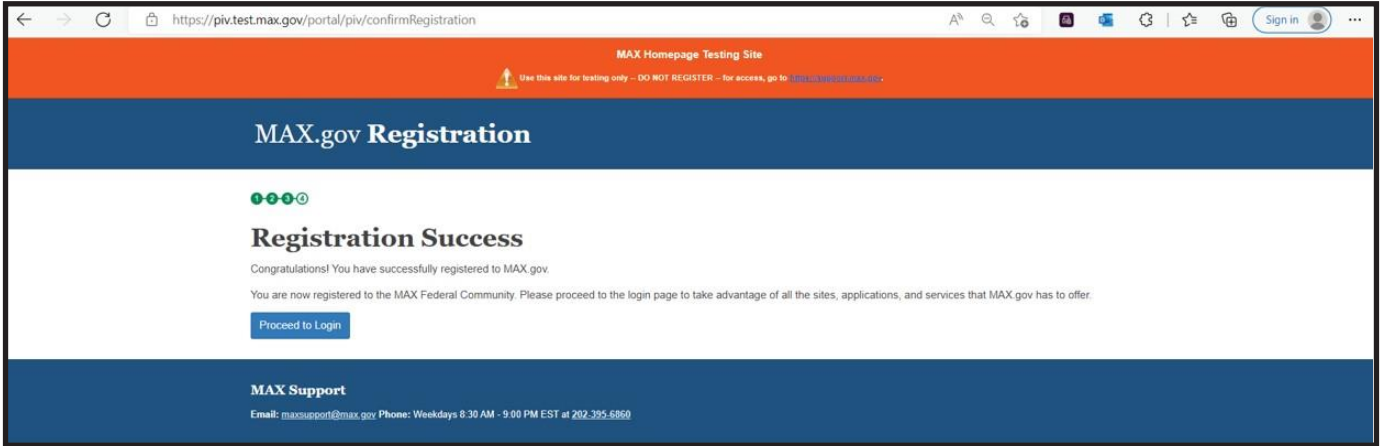
The screenshot shows the 'MAX.gov Registration' page for 'Registration with My PIV/CAC Card'. The page has a blue header with the title and a green progress indicator (0/4 steps). Below the title, there is a 'User Information' section with a 'Contractor?' checkbox. The form includes fields for 'First Name', 'M.I.', 'Last Name', 'E-Mail', 'Confirm E-Mail', 'Organization', and 'Work Phone Number'. The 'E-Mail' and 'Confirm E-Mail' fields are currently empty.

Step 9: Selecting the Register Button completes the entry process, and displays the verification page as an email is sent to the given address for verification with a Verification Code. The emailed verification code must then be entered into the verification page as displayed below:

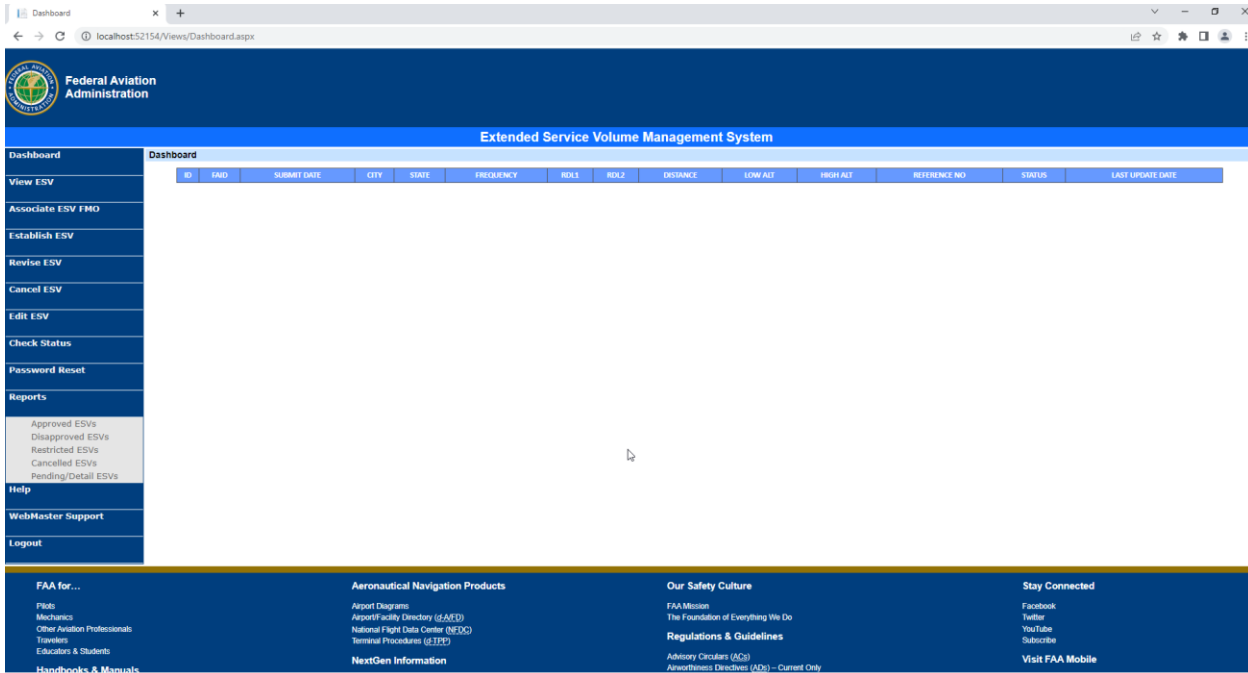


The screenshot shows the 'MAX.gov Registration' page for 'Confirmation Code'. The page has a blue header with the title and a green progress indicator (3/4 steps). Below the title, there is a message: 'An email has been sent to the email address you included in your registration form. Please enter the confirmation code contained in the email into the Confirmation Code text box below in order to complete your registration.' Below this message, there is a 'Required' section with a red asterisk and the text 'System successfully saved user agreement acceptance for your name and email address'. The 'Requestor Email' is 'patrick.cr.bledsoe@faa.gov'. Below this, there is a text input field for 'Enter Confirmation Code' and a 'Send New Confirmation Code' link. At the bottom of the form, there are 'Confirm' and 'Cancel' buttons. The footer of the page contains 'MAX Support' information: 'Email: maxsupport@fas.gov Phone: Weekdays 9:30 AM - 9:50 PM EST at 252.305.6868'.

Step 10: Upon entering the code and confirming via the “Confirm” button, The OMB Max will present the acknowledgment of the success of the account registration as shown on the next page:



Step 11: The “Proceed to Login” button will now route you back to the standard FAA ESVMS Military Login Page. Only Role applicable to Military users is as ‘RO’



4.0. ESVMS-Non-Military User Registration

The user is required to register to access the ESVMS application and will be required to enter /select the information like First name, Phone, state, last name, program office and city. The functional roles which can be selected during the login process are Requesting Officer (RO) and Guest (GU). Additional functional roles must be assigned by the ESVMS administrator, following initial account setup.

The screenshot shows the registration form for the Extended Service Volume Management System (ESVMS) on the Federal Aviation Administration (FAA) website. The form is titled "Registration Form" and is for the use of the Extended Service Volume Management System (ESVMS). The form contains the following fields and options:

- *Login ID: rajl.ctr.dhanaghar
- *First Name: [Text Input]
- Title: [Text Input]
- *Phone #: [Text Input]
- *Email: rajl.ctr.dhanaghar@faa.gov
- *State: Select a State (Dropdown)
- *Role: REQUESTING OFFICER Guest
- Middle Initial: [Text Input]
- *Last Name: [Text Input]
- *Program Office: [Text Input]
- Fax #: [Text Input]
- *City: [Text Input]

At the bottom of the form, there are "Submit" and "Clear" buttons.

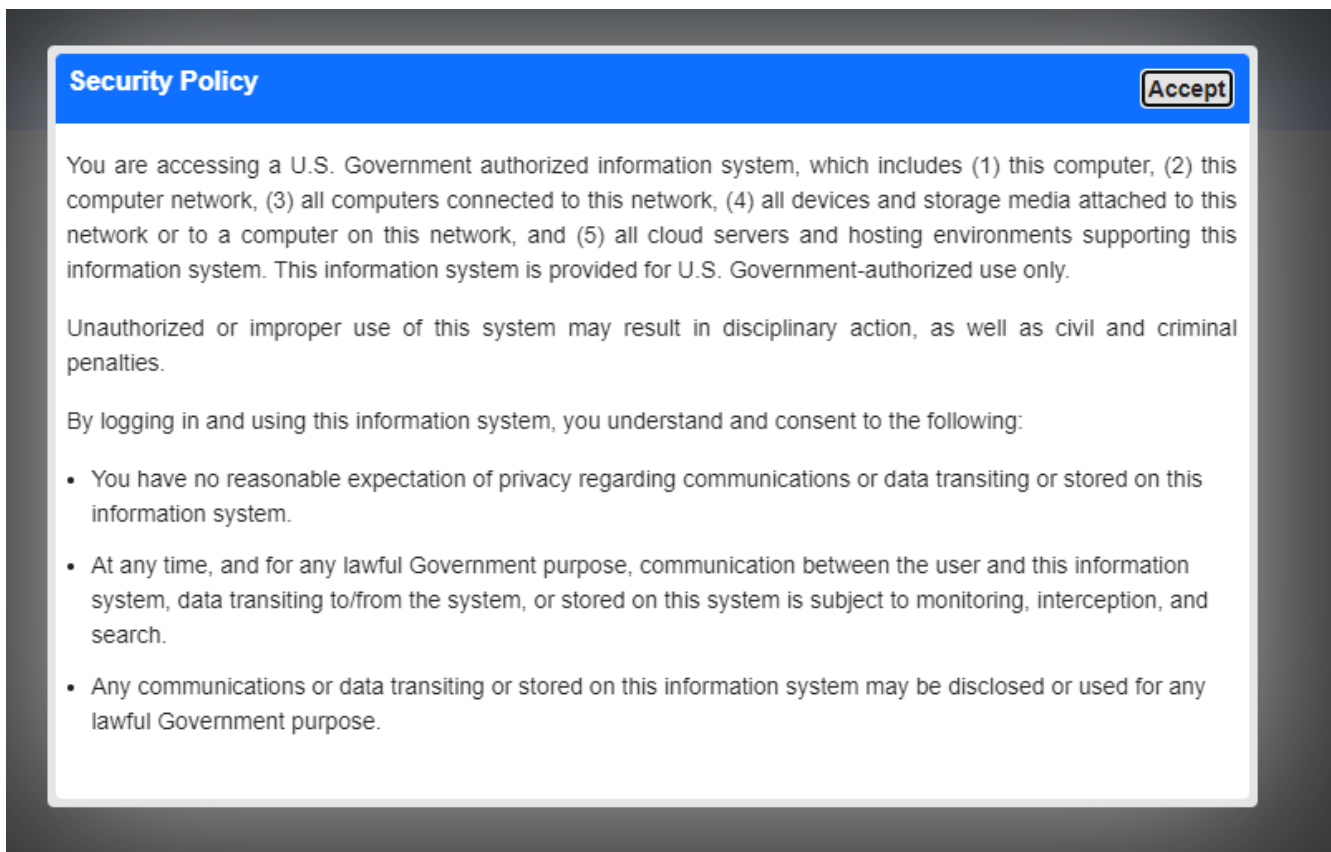
The page footer contains the following information:

- FAA for...**
 - Pilots
 - Mechanics
 - Other Aviation Professionals
 - Travelers
 - Educators & Students
- Handbooks & Manuals**
 - Aircraft
 - Aviation
 - Examiner & Inspector
- Forms**
 - FAA Forms
 - National Airports Forms
- Aeronautical Navigation Products**
 - Airport Diagrams
 - Airport/Facility Directory (A/FD)
 - National Flight Data Center (NFDC)
 - Terminal Procedures (T/TP)
- NextGen Information**
 - NextGen
 - Performance Snapshots
 - The NextGen Experience
- Offices**
 - Headquarters, Regional, & Field
 - Flight Standards District Offices (ESDO)
- Accidents & Incidents**
- Our Safety Culture**
 - FAA Mission
 - The Foundation of Everything We Do
- Regulations & Guidelines**
 - Advisory Circulars (ACs)
 - Airworthiness Directives (ADs) - Current Only
 - Airworthiness Directives (ADs) - Historical
 - Federal Aviation Regulations (FAR)
 - Orders & Notices
 - Temporary Flight Restrictions (TFRs)
- Other Popular FAA Sites**
 - Airmen Inquiry
 - Airmen Online Services
 - FAA Registry Aircraft Inquiry
- Stay Connected**
 - Facebook
 - Twitter
 - YouTube
 - Subscribe
- Visit FAA Mobile**

After the user enters the information and clicks submit the registration email is sent as below:



Upon successful registration with the ESVMS application the user can access the ESVMS tool via the URL using any of the browsers listed in section 2. The user is presented with the Security Policy page as shown below:



Once the user clicks the “Accept” button, the system displays the Login page where the user needs to login using the approved credentials and assigned ‘Role’ to access the application.

5.0. Supported Browsers

The following are the browsers that ESVMS supports currently:

1. Chrome 31.0 and above
2. Safari 7.0 and above
3. Opera 27.0 and above
4. Firefox 31.0 and above
5. Microsoft Edge

6.0. Roles

Below the ESVMS roles and user operations and functions for ESVMS creation, management and maintenance. Users are initially provided the RO role or Guest role based upon their selection during signup. The additional roles defined below such as FICO, SFMO, FIFO are approved and provided by the Super Administrator upon formal request and validation of requirements.

The ESVMS roles are:

Requesting Officer (RO) – Users in this role have the ability to establish, revise, and cancel ESV requests, as well as view the status of requests as they proceed through the workflow process. The only persons able to view, modify, or edit ESV applications under this role are the Requesters who initially created them.

Super Frequency Management Officer (SFMO) – This role has been restructured in ESVS as the FMO and SFMO functions are fully performed in the AFM application. Users in this role in this ESVMS application are both FMOs and SFMOs, which perform the engineering in AFM, but may access ESVMS to validate data, status and records only. However, the Super FMO role permits both categories to access information in ESVMS.

Flight Inspection Central Office (FICO) User – Users in this role have the ability to view the data entered by the Requester and the FMO on the ESV application as well as Admin ESVs. They can print an ESV application report as well as having the ability to approve, disapprove, restrict, or add remarks on the ESV application on behalf of the FIFO.

Flight Inspection Field Officer (FIFO) User – Users in this role have the ability to view the data entered by the Requester and the FMO on the ESV application. They also are able to check the status of pending ESV requests

Super Administrator (SA) – Users in this role in summary can administer and manage the system. The SA perform user information updates including Username and Passwords SAs have the ability to view the data entered by the Requester and the actions/records on the ESV application from all user roles as well as Admin or Modify the ESVs from the database. They can print an ESV application report as well as having the ability to approve, disapprove, restrict, or add remarks on the ESV

application. The SA also has the ability to re-sync the ESVMS and AFM database to ensure records in the workflow are being transferred as appropriate.

Guest User (GU) - Users in this role have the ability to view (in read only) the data entered by the Requesters, FICO and FIFO, and the status of ESVs within the system. They can view and print an ESV application reports from repost listings for approved, disapproved, restricted, and cancelled ESVs.

The Table shows these Roles relative to the major ESVMS system functions and the availability of those functions and features to the defined roles.

	ROLES					
Function	RO	SFMO	FICO	FIFO	Super Admin	Guest Role
View ESV	X	X	X	X	X	X
Establish ESV	X					
Revise ESV	X		X			
Cancel ESV	X					
Edit ESV	X					
View Alternatives	X					
Check Status	X	X	X	X		X
Reports	X	X	X	X	X	X
Tools ESV Graphs	X					
Password	X	X	X	X	X	
Help	X	X	X	X	X	X
WebMaster Support	X	X	X	X	X	X
Log Out	X	X	X	X	X	X
Approve ESVs				X		
Associate ESV FMO	X					
Magnetic Variation			X			
	ROLES					
Function	RO	SFMO	FICO	FIFO	Super Admin	Guest Role
Evaluate ESV				X		
Admin ESV				X	X	

Upload AFM					X	
Assign ESV					X	

To further understand the functions of each role in ESVMS as laid out in the table above, the navigation menus for each role are displayed below showing how each function is accessed.

Left Panel Navigation Menus

Dashboard	Dashboard	Dashboard
View ESV	View ESV	View ESV
Associate ESV FMO	Associate ESV FMO	Associate ESV
Establish ESV	Establish ESV	Mag. Variation
Revise ESV	Revise ESV	Revise ESV
Cancel ESV	Cancel ESV	Check Status
Edit ESV	Edit ESV	Admin ESV
Check Status	Check Status	Reports
Reports	Reports	Reports
Approved ESVs Disapproved ESVs Restricted ESVs Cancelled ESVs Pending/Detail ESVs	Approved ESVs Disapproved ESVs Restricted ESVs Cancelled ESVs Pending/Detail ESVs	Approved ESVs Disapproved ESVs Restricted ESVs Cancelled ESVs Pending/Detail ESVs
Available Roles	Available Roles	Available Roles
RO FICO FIFO Super Admin SFMO	RO FICO FIFO Super Admin SFMO	RO FICO FIFO Super Admin SFMO
Tools	Help	Help
ESV Graphs	WebMaster Support	WebMaster Support
Help	Logout	Logout
WebMaster Support		
Logout		

Requesting Officer

Flight Inspection Central Office

Flight Inspection Field Office

(RO)

(FICO)

(FIFO)

<p>Dashboard</p> <p>View ESV</p> <p>Reports</p> <p>Approved ESVs Disapproved ESVs Restricted ESVs Cancelled ESVs Pending/Detail ESVs</p> <p>Available Roles</p> <p>RO FICO FIFO Super Admin SFMO</p> <p>Help</p> <p>WebMaster Support</p> <p>Logout</p>	<p>Dashboard</p> <p>View ESV</p> <p>Admin ESV</p> <p>User/Security</p> <p>Session Tracking</p> <p>Upload AFM</p> <p>Assign ESV</p> <p>Reports</p> <p>Approved ESVs Disapproved ESVs Restricted ESVs Cancelled ESVs Pending/Detail ESVs ESV Statistics</p> <p>Available Roles</p> <p>RO FICO FIFO Super Admin SFMO</p> <p>Help</p> <p>WebMaster Support</p> <p>Logout</p>	<p>Dashboard</p> <p>View ESV</p> <p>Reports</p> <p>Approved ESVs Disapproved ESVs Restricted ESVs Cancelled ESVs Pending/Detail ESVs</p> <p>Help</p> <p>WebMaster Support</p> <p>Logout</p>
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Super Frequency Management
Contract No. DTFAWA17A-00053

Super Administrator

Guest User

Trillion ESVMS 12.0.0 - SEAS Program

Officer (SFMO)

(SA)

(GU)

The navigation menus show the available functions provided each role. In addition, if the user has multiple roles then the navigation menu displays the roles that can be selected.

6.1.

Login Process for Roles

Login Options of Multiple Roles – Users with additional ESVMS roles are presented a “Role Login” dropdown list allowing the selection of the role functions, which can be accessed. The Role Options Login screen is shown below:

The then selects the operating role preferred for the session and the dashboard for that role will appear in the next screen.

Note:

- RO role has access to the Tool on the left panel navigation menus for ESV Graphs.
- RO and FICO user’s roles will have access to only those ESVs that were initiated or worked upon. The SFMO, SA and FIFO will have all the ESVs that have been submitted and their current status.

The screenshot shows a web browser window with the URL `esvmsuat.faa.gov/Account/RoleSelection.aspx?uName=clifford%20ctr%20vines`. The page header includes the FAA logo and the text "Federal Aviation Administration". Below the header is a blue banner with the text "Extended Service Volume Management System".

On the left side, there is a "Help" sidebar with a "WebMaster Support" link. The main content area features a "Select Role:" dropdown menu with the following options: RO, RO, FICO, FIMO, RO, SA, and SFMO. The first "RO" option is currently selected.

The footer of the page is divided into several columns of links:

- FAA for...**
 - Pilots
 - Mechanics
 - Other Aviation Professionals
 - Travelers
 - Educators & Students
- Handbooks & Manuals**
 - Aircraft
 - Aviation
 - Examiner & Inspector
- Forms**
 - FAA Forms
 - National Airports Forms
- Aircraft Certificates**
- Aeronautical Navigation Products**
 - Airport Diagrams
 - Airport/Facility Directory ([d-AFD](#))
 - National Flight Data Center ([NFDC](#))
 - Terminal Procedures ([d-TTP](#))
- NextGen Information**
 - NextGen
 - Performance Snapshots
 - The NextGen Experience
- Offices**
 - Headquarters, Regional, & Field
 - Flight Standards District Offices ([FSDO](#))
- Accidents & Incidents**
- Our Safety Culture**
 - FAA Mission
 - The Foundation of Everything We Do
- Regulations & Guidelines**
 - Advisory Circulars ([ACs](#))
 - Airworthiness Directives ([ADs](#)) – Current Only
 - Airworthiness Directives ([ADs](#)) – Historical
 - Federal Aviation Regulations ([FAR](#))
 - Orders & Notices
 - Temporary Flight Restrictions ([TFRs](#))
- Other Popular FAA Sites**
 - Airmen Inquiry
 - Airmen Online Services
 - FAA Registry Aircraft Inquiry
 - FAA Safety Team
- Stay Connected**
 - Facebook
 - Twitter
 - YouTube
 - Subscribe
- Visit FAA Mobile**

7.0. ESVMS Common Functions

The functions and common menu options available to all dashboard roles are addressed here in Section 3, with the Operations and functions which are unique to each Role are described in Section 4.

For many ESVMS Roles, the navigation menus allow the users to perform the following common functions:

Dashboard Access
View ESV
Check Status (ESV)
ESVMS Reports Access

Available Roles Access
Help Access
Webmaster Support
Logout

7.1. ESV Dashboard

For a given ESV User Role, the dashboard is displayed by default. The following columns are displayed in the given role dashboard:

ESVMS ID Number, Facility IDENT, Submit date (Date, the ESV submitted), City, State, Frequency of the facility, Radial 1 (Degrees), Radial 2 (Degrees), Distance (nmi), Lower Altitude, Upper Altitude, ESVMS Reference No, ESVMS Status and ESV Last updated date, click on the table header and the information will be sorted. The page will display maximum of 20 ESVs, click on the number hyperlink to navigate to the subsequent pages

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ID	FAID	SUBMIT DATE	CITY	STATE	FREQUENCY	REL1	REL2	DISTANCE	LOW ALT	HIGH ALT	REFERENCE NO	STATUS	LAST UPDATE DATE
FAA 830939 - 002	IAD	03/28/2018	WASHINGTON DULLES INTL	VA	M110.1	21	0	45	32	43	18039620	SENT TO FMO	03/28/2018
FAA 830939 - 001	IAD	03/19/2018	WASHINGTON DULLES INTL	VA	M110.1	21	0	45	32	43	18039599	SENT TO FMO	03/19/2018
FAA 795176 - 012	BWD	04/10/2018	BROWNWOOD	TX	M984	140	236	85	80	200	18049717	SENT TO FMO	04/10/2018
FAA 780514 - 006	MHT	04/10/2018	MANCHESTER	NH	M1178	30	70	77	44	55	18049711	SENT TO FMO	04/10/2018
FAA 764042 - 001	SZK	03/30/2018	ROANOKE	VA	M111.1	251	0	51	81	91	18039625	SENT TO FMO	03/30/2018
FAA 711505 - 035	RLG	03/19/2018	KREMMLING	CO	M113.8	13	0	13	13	13	18039603	SENT TO FMO	03/21/2018
FAA 704194 - 001	FSD	04/10/2018	SIOUX FALLS	SD	M1184	331	345	108	180	200	18049714	SENT TO FMO	04/10/2018
FAA 704149 - 011	RLG	03/21/2018	KREMMLING	CO	M1172	13	0	14	13	13	18039613	SENT TO FMO	03/21/2018
FAA 703970 - 005	LYH	04/05/2018	LYNCHBURG	VA	M990	251	21	41	51	171	18049645	SENT TO FMO	04/05/2018
FAA 702652 - 013	MVA	04/04/2018	MINA	NV	M1185	173	187	45	159	223	18049644	SENT TO FMO	04/04/2018
FAA 701389 - 003	BVO	04/09/2018	BARTLESVILLE	OK	M1213	154	201	65	52	200	18049680	SENT TO FMO	04/09/2018
FAA 701368 - 050	VUZ	04/10/2018	BIRMINGHAM	AL	M1178	12	12	12	12	12	18049712	SENT TO FMO	04/10/2018
FAA 701366 - 004	LEB	04/10/2018	LEBANON	NH	M1171	5	50	89	180	450	18049707	SENT TO FMO	04/10/2018
FAA 701366 - 001	LEB	04/10/2018	LEBANON	NH	M1171	44	0	47	58	175	18049715	SENT TO FMO	04/10/2018
FAA 698109 - 009	GGZ	04/10/2018	GLADE SPRING	VA	M1000	93	180	69	90	240	18049716	SENT TO FMO	04/10/2018
FAA 682017 - 019	CSN	04/09/2018	CASANOVA	VA	M1197	80	150	55	22	33	18049679	SENT TO FMO	04/09/2018
FAA 682017 - 012	CSN	04/06/2018	CASANOVA	VA	M1197	88	88	88	88	88	18049659	SENT TO FMO	04/06/2018
FAA 680420 - 012	HYK	04/09/2018	LEXINGTON	KY	M1160	357	7	78	40	190	18049681	SENT TO FMO	04/09/2018
FAA 680420 - 002	HYK	03/20/2018	LEXINGTON	KY	M1160	282	0	161	181	231	18039606	SENT TO FMO	03/20/2018
FAA 140276 - 002	FLA	03/21/2018	FORT LAUDERDALE	FL	M1141	276	0	21	41	41	18039610	SENT TO FMO	03/21/2018

The dashboard columns are enabled with a sort capability; however the default sort order is keyed upon Radial 1 values.

The dashboard initially is configured to display the first 20 ESV records.

The ESVMS reference number in all dashboards links the user to the ESV Details report for the given ESV. Please see Appendix 2 for the ESV Details report samples and format description

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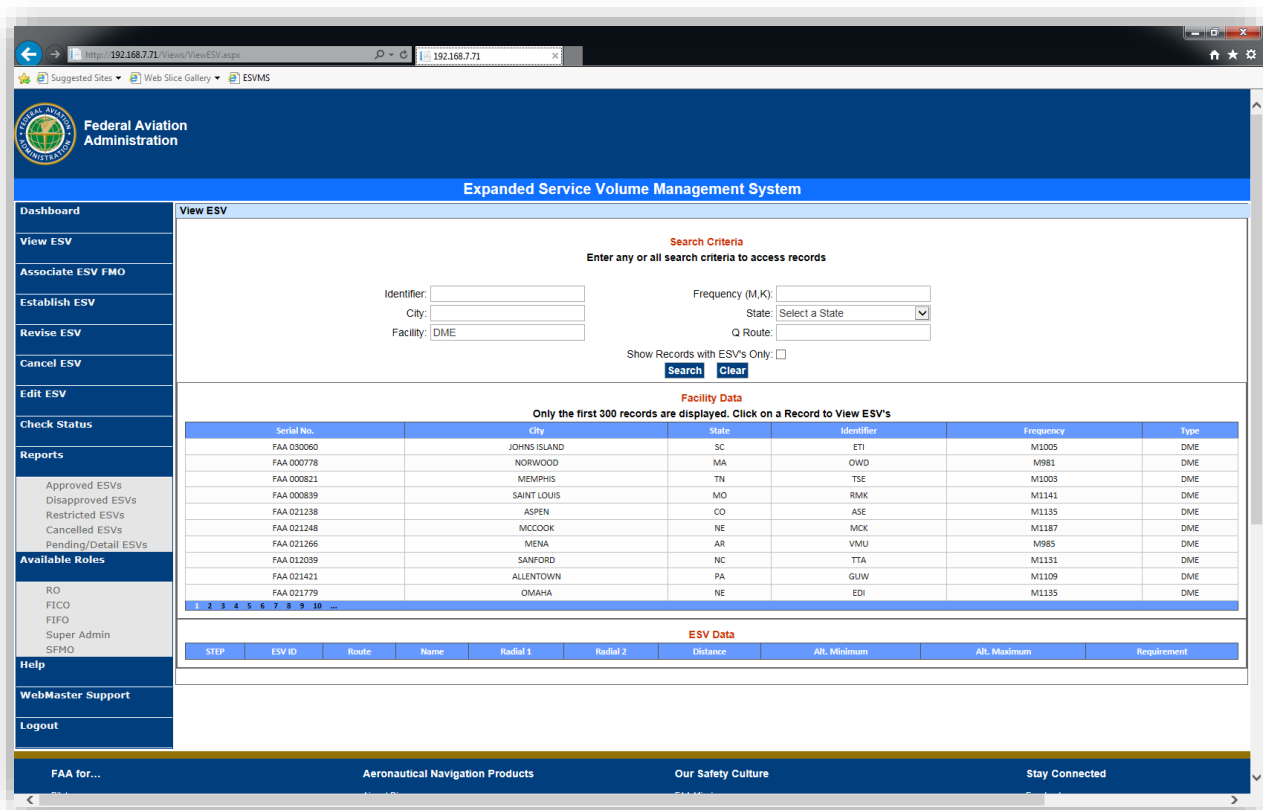
7.2. View ESV

The View ESV allows the user to search and locate ESVs. Click the View ESV on the left pane, the ESV search page is displayed. Enter the Search Criteria to provide for the access to desired facility record records. The entry criteria shall be:

FAA ID, Frequency, Facility Type, City, State or route

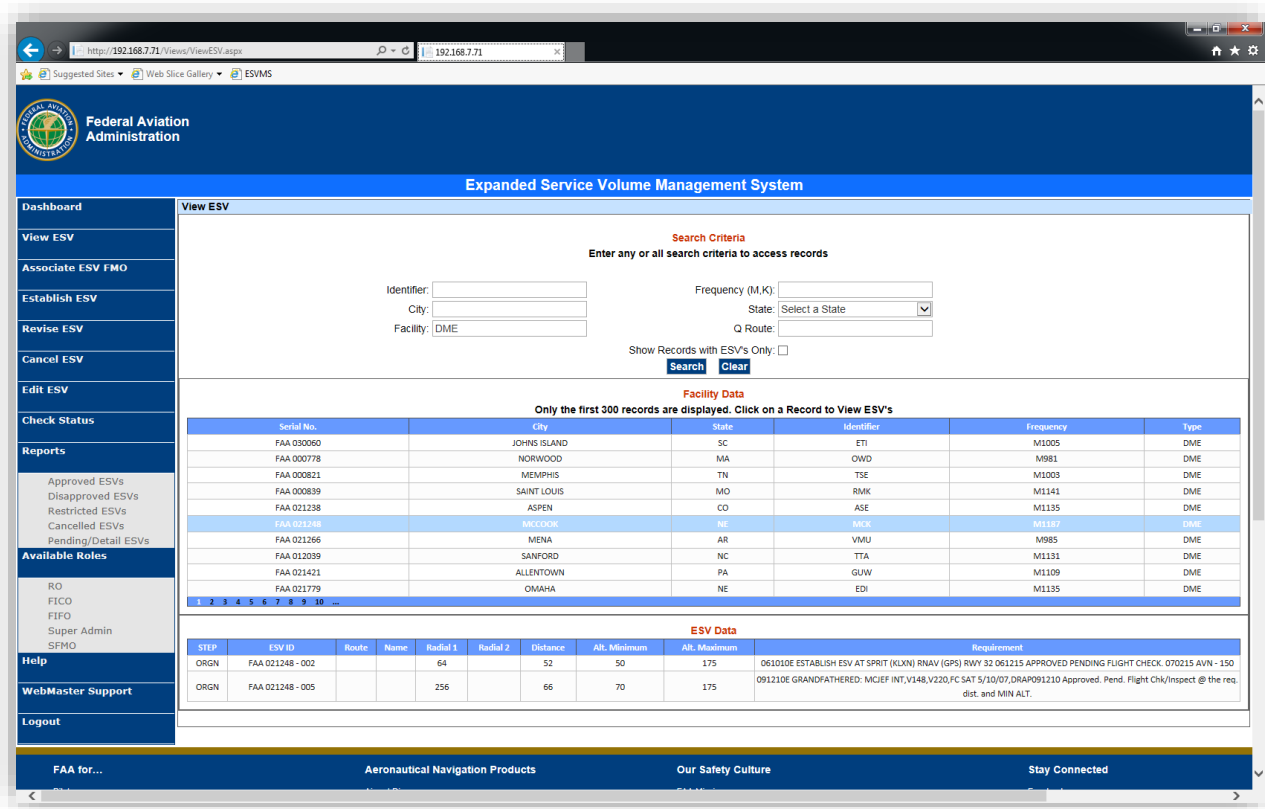
The Search shall display a list of all facilities meeting the search criteria and shall summarize using the following data format:

FAA Serial Number, City State, FAA ID, Frequency and Facility Type



Click on the desired particular ESV row, the ESV data is then displayed

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)



Double click on a particular ESV and the details will be displayed

7.3. Check Status

Click on the Check Status in the left pane and the Search screen is displayed. Enter the search criteria and the facility data will be displayed.

The search results can export the ESVs to an excel

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

Check Status

Search Criteria
Enter any or all search criteria to access records

Reference Number:
 Identifier:
 City:
 Facility:

Frequency (M,K):
 State:
 Q Route:

Search **Clear**

Export To Excel

Facility Data
Only the first 300 records are displayed. Click on a Record to View ESV's

Ref #	City	State	Alt	Frequency	Type	Date
18049720	OLIVE BRANCH	MS	EVO	1139-MHz	DME	04/11/2018
18049719	ALBANY	GA	PZD	1195-MHz	DMER	04/11/2018
18049713	NEWPORT NEWS	VA	DHY	334.4-MHz	GS	04/10/2018
18049714	SIoux FALLS	SD	FSD	1184-MHz	TACAN	04/10/2018
18049706	JOHNS ISLAND	SC	ETI	1005-MHz	DME	04/10/2018
18049707	LEBANON	NH	LEB	1171-MHz	DME	04/10/2018
18049715	LEBANON	NH	LEB	1171-MHz	DME	04/10/2018
18049707	LEBANON	NH	LEB	1171-MHz	DME	04/10/2018
18049716	GLADE SPRING	VA	GZG	1000-MHz	DME	04/10/2018
18049717	BROWNWOOD	TX	BWD	984-MHz	DME	04/10/2018
18049717	BROWNWOOD	TX	BWD	984-MHz	DME	04/10/2018
18049716	GLADE SPRING	VA	GZG	1000-MHz	DME	04/10/2018
18049711	MANCHESTER	NH	MHT	1178-MHz	DMER	04/10/2018
18049710	TONOPAH	NV	TQQ	1164-MHz	NONE	04/10/2018
18049712	BIRMINGHAM	AL	VUZ	1178-MHz	TACAN	04/10/2018
18049680	BARTLESVILLE	OK	BVO	1213-MHz	DME	04/09/2018
18049681	LEXINGTON	KY	HYK	1160-MHz	DMER	04/09/2018
18049679	CASANOVA	VA	CSN	1197-MHz	TACAN	04/09/2018
18049659	CASANOVA	VA	CSN	1197-MHz	TACAN	04/06/2018
18049645	LYNCHBURG	VA	LYH	990-MHz	TACAN	04/05/2018

Select an ESV to check the status (scroll to view all the details).

Request Type: Revision

From:(originating Office) LYH

Serial #: FAA 703970
 Ref #: 18049645
 *Chart Name: qwert1
 City: LYNCHBURG

Airspace Docket #:(if provided)
 Frequency (M,K): M990
 Facility Type: TACAN
 State: VA

ESV Data

Step	ESV ID	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement	STATUS
ORGN	FAA 703970-005	258	0	41	56	175	050615E MRA OF OTHER FAC FOR TABER INT 050627 ESV APPROVED 070302 AVN - 150 FC SAT - APPROVE AS REQUESTED	ORIGINAL RECORD
RO	FAA 703970-005	251	21	41	51	171	050615E MRA OF OTHER FAC FOR TABER INT 050627 ESV APPROVED 070302 AVN - 150 FC SAT - APPROVE AS REQUESTED	SENT TO FMO

Print Detailed Report

Signature: [CLIFFORD VINES](#) Routing Symbol: Role: ORGN
 For Contact Details click the above Hyperlink Date: 4/5/2018

Signature: [CLIFFORD VINES](#) Routing Symbol: Role: RO
 For Contact Details click the above Hyperlink Date: 4/5/2018

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

Click Print Detailed Report to see the detailed Reports

7.4. ESVMS Reports

The ESVMS Reports are separate lists of ESVMS which have been processed in the following categories:

- Approved ESV Reports
- Pending ESV Reports
- Disapproved ESV Reports
- Restricted ESV Reports
- Cancelled ESV Reports

Upon user selection of any of the ESVMS reports, ESVMS Reports Search function is displayed.

The ESV reports database search allows user search criteria for selection of the desired ESV record(s).

The search criteria include:

- Regions
- ESV Reference Number
- FAA IDENT
- Frequency
- Facility Type
- City
- State
- Procedure Name (SIDS, STARS, QROUTE)
- Date Range box [start: end] (MM/DD/YYYY)

The subsequent ESV search reports results page displays the given ESVs in the following format:

1. The ESV Reports are categorized first by facility,
2. Then the listing of each of the ESVs on the identified facility.
3. Finally, for each given ESV, a row showing the processing for each ESV operation is displayed

ESV Report format for the facility:

- FAA ID
- City

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

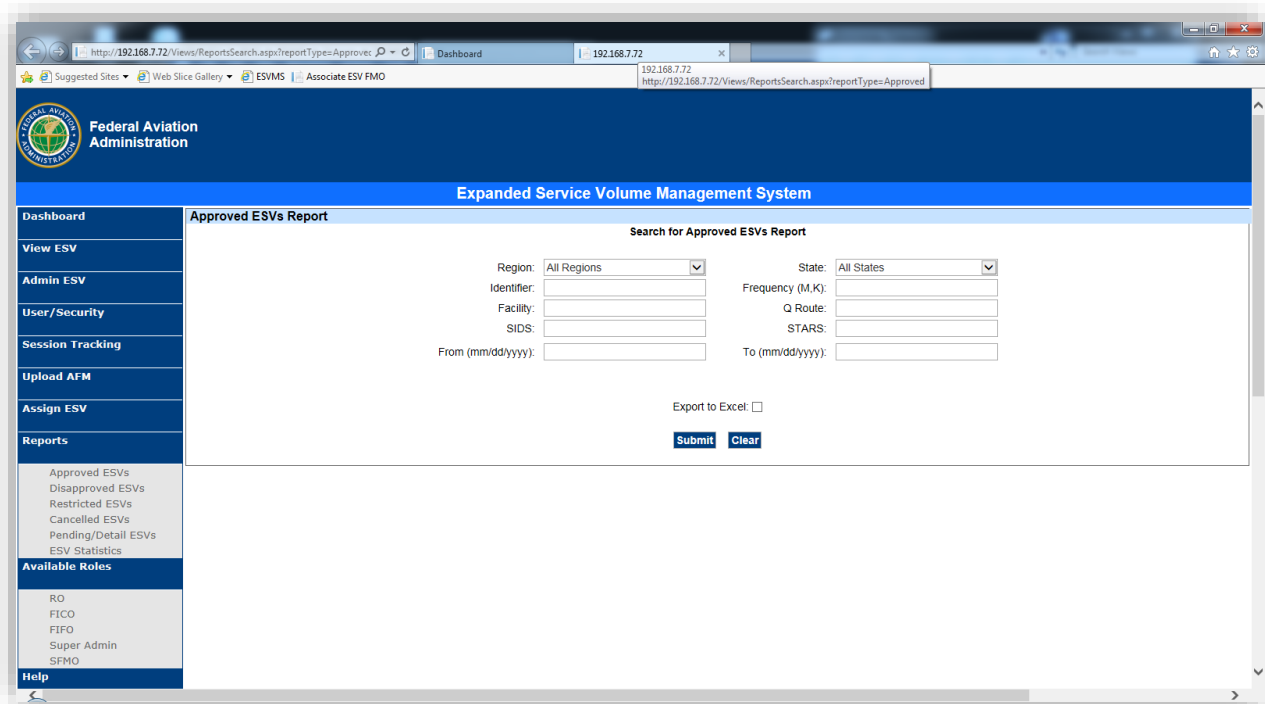
- State
- Frequency
- Facility Type
- ESV Reference Number

Following the ESV Facility Report Header, Rows will show the processing of each stakeholder using the following format.

- Stakeholder
- ESV ID
- Q-Route
- Radial 1
- Radial 2
- Distance
- Alt. Min
- Alt. Max
- Date
- Status
- Requirement/Remarks

The screenshot below shows the general ESV search screen followed by the search results report formats from each of the ESV report lists.

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)



Appendix 1 contains additional samples of the ESV reports for the several ESV report categories.

Approved ESV Report Sample

Approved ESVs Reports						
REGION-EA						
IDENT - LFI	City - LANGLEY	FREQUENCY - M1157	FACILITY - NONE			
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Flight Check Date
AF 762361-017	73		47	50	230	3/13/2017
Requirement	170428R HEELS INT. MILITARY USE ONLY. DISTANCE 46.09. 170508 PEND FLT CHK @ REQ. DIST. & MIN ALT. CAPACITY STUDY REQ. INCREASE MILITARY OPS HEELS INT. FC BY ROBERT PRESSLER VN137 N71 ON 03/13/2017.					
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Flight Check Date
AF 762361-018	83		44	50	230	
Requirement	MILITARY OPS DARTT DME FIX.					
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Flight Check Date
AF 762361-009	90	216	49	180	400	
Requirement	900101E ARR FIX 900101A 900101A					
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Flight Check Date
AF 762361-019	93		42	50	230	
Requirement	MILITARY OPS RAPTR DME FIX.					
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Flight Check Date
AF 762361-020	107		56	30	230	3/21/2017
Requirement	170306E GRANDFATHERED: ATLIC AR9. 170306 PEND FLT CHK @ REQ. DIST. & MIN ALT. CAPACITY STUDY REQ. INCREASE ATLIC AR9 FC SAT BY DURLEY FELDER VN053 N67 ON 03/21/2017.					
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Flight Check Date
AF 762361-008	216	107	60	70	200	
Requirement	900101E ARR FIX 900101A 900101A					
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Flight Check Date
AF 762361-006	248	107	59	17	240	
Requirement	900101E FIX JET ARR 900101A 900101A					
REGION-EA						
IDENT - SGC	City - DULLES	FREQUENCY - M999	FACILITY - DME			
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Flight Check Date
FAA 010536-002	11		19	30	48	7/24/2007
Requirement	090813E GRANDFATHERED: DADEY INT, ILS OR LOC RWY 19L (KIA),FC 090820 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.					
REGION-EA						
IDENT - OIU	City - WASHINGTON DULLES INTL	FREQUENCY - M110.75	FACILITY - LOC			
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Flight Check Date
FAA 060033-001	191		18	47	50	4/18/2011

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Pending ESV Report Sample

Pending ESVs Reports							
REGION-EA							
IDENT - LFI	City - LANGLEY		FREQUENCY - M333.8	FACILITY - NONE			
Reference Number: 18039605							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AF 762092-001	12		56	45	67	3/21/2018	SENT TO FMO
Requirement qwer							
Reference Number: 18039679							
AF 762092-002	12		43	32	43	3/27/2018	SENT TO FMO
Requirement							
REGION-EA							
IDENT - DHY	City - NEWPORT NEWS		FREQUENCY - M110.1	FACILITY - LOC			
Reference Number: 18039608							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FAA 021808-001	21		45	32	43	3/21/2018	FMO APPROVE
Requirement APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.							
FAA 021808-001	21		45	32	43	3/21/2018	SFMO APPROVE
Requirement APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.							
FAA 021808-001	21		45	32	43	3/21/2018	SENT TO FMO
Requirement							
FAA 021808-001	21		45	32	43	3/21/2018	SENT TO FIFO
Requirement							
FAA 021808-001	21		45	32	43	3/21/2018	RO TO FICO
Requirement APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.							
Reference Number: 18039629							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FAA 021808-002	21		76	43	65	3/21/2018	SENT TO FMO
Requirement							
FAA 021808-002	21		76	43	65	3/21/2018	FMO APPROVE
Requirement APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.							
FAA 021808-002	21		76	43	65	3/21/2018	SFMO APPROVE
Requirement APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.							
Reference Number: 18039630							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FAA 021808-003	21		76	43	65	3/21/2018	SENT TO FMO

Disapproved ESV Report Sample

Disapproved ESVs Reports							
REGION-EA							
IDENT - CSN	City - CASANOVA		FREQUENCY - M116.3	FACILITY - H-VOR			
Reference Number: 09022241							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FAA 682016-006	272		56	100	175	2/3/2009	SENT TO FMO
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
FAA 682016-006	272		56	100	175	2/3/2009	FMO APPROVE
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
FAA 682016-006	272		56	100	175	2/3/2009	SFMO APPROVE
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
FAA 682016-006	272		56	100	175	2/3/2009	AVN TO FICO
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
FAA 682016-006	272		56	100	175	2/3/2009	SENT TO FIFO
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
FAA 682016-006	272	0	56	100	175	2/3/2009	FIFO DISAPPROVE
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
REGION-EA							
IDENT - CSN	City - CASANOVA		FREQUENCY - M1197	FACILITY - TACAN			
Reference Number: 09022242							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FAA 682017-005	272		56	100	175	2/3/2009	SENT TO FMO
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
FAA 682017-005	272		56	100	175	2/3/2009	FMO APPROVE
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
FAA 682017-005	272		56	100	175	2/3/2009	SFMO APPROVE
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
FAA 682017-005	272		56	100	175	2/3/2009	AVN TO FICO
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
FAA 682017-005	272		56	100	175	2/3/2009	SENT TO FIFO
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
FAA 682017-005	272	0	56	100	175	2/3/2009	FIFO DISAPPROVE
Requirement GRANDFATHERED: EXISTING TTUMS FIX ON V128, V377							
REGION-EA							
IDENT - SBV	City - SOUTH BOSTON		FREQUENCY - M1002	FACILITY - TACAN			
Reference Number: 10071817							

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Restricted ESV Report Sample

Restricted ESVs Reports							
REGION-EA							
IDENT - SBV	City - SOUTH BOSTON		FREQUENCY - M1002	FACILITY - TACAN			
Reference Number: 10049680							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FAA 683652-027	86		55	23	175	4/22/2010	SENT TO FMO
Requirement	V266 TO LVL DUE TO LVL RESTRICTION						
FAA 683652-027	86		55	23	175	4/22/2010	FMO APPROVE
Requirement	V266 TO LVL DUE TO LVL RESTRICTION						
FAA 683652-027	86		55	23	175	4/22/2010	SFMO APPROVE
Requirement	V266 TO LVL DUE TO LVL RESTRICTION						
FAA 683652-027	86		55	23	175	4/22/2010	AVN TO FICO
Requirement	V266 TO LVL DUE TO LVL RESTRICTION						
FAA 683652-027	86		55	23	175	4/22/2010	SENT TO FIFO
Requirement	V266 TO LVL DUE TO LVL RESTRICTION						
FAA 683652-027	86	0	55	30	175	4/22/2010	FIFO RESTRICT
Requirement	V266 TO LVL DUE TO LVL RESTRICTION						
Reference Number: 12063470							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FAA 683652-035	150	174	59	38	200	6/7/2012	SENT TO FMO
Requirement	ESTABLISH ESV FOR KRDU RNAV SIDS						
FAA 683652-035	150	174	59	38	140	6/7/2012	FMO RESTRICT
Requirement	ESTABLISH ESV FOR KRDU RNAV SIDS						
FAA 683652-035	150	174	59	38	140	6/7/2012	FMO RESTRICT
Requirement	ESTABLISH ESV FOR KRDU RNAV SIDS						
FAA 683652-035	150	174	59	38	140	6/7/2012	SFMO RESTRICT
Requirement	ESTABLISH ESV FOR KRDU RNAV SIDS						
FAA 683652-035	150	174	59	38	140	6/7/2012	REQ TO FICO
Requirement	ESTABLISH ESV FOR KRDU RNAV SIDS						
FAA 683652-035	150	174	59	38	140	6/7/2012	SENT TO FIFO
Requirement	ESTABLISH ESV FOR KRDU RNAV SIDS						
FAA 683652-035	150	174	59	38	140	6/7/2012	FIFO APPROVE
Requirement	ESTABLISH ESV FOR KRDU RNAV SIDS						
Reference Number: 12063471							

Cancelled ESV Report Sample

Cancelled ESVs Reports							
REGION-EA							
IDENT - LFI	City - LANGLEY		FREQUENCY - M1157	FACILITY - NONE			
Reference Number: 17034639							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AF 762361-001	18	0	24	17	270	3/6/2017	CANCELLED ESV
Requirement	SCR-185 VOR TAC 1. NO PROCEDURE USE FOR LFI USAF, ORF OR ZDC.						
Reference Number: 17034640							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AF 762361-002	55	0	54	17	230	3/6/2017	CANCELLED ESV
Requirement	SCR-185 VOR TAC 1. NO PROCEDURAL USE FOR LFI USAF, ORF, OR ZDC.						
Reference Number: 17118844							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AF 762361-004	104	107	41	20	230	11/22/2017	CANCELLED ESV
Requirement	SID DME. UNUSABLE 103-165 BYD 30. FC BY ROBERT PRESSLER VN137 N67 ON 03/17/2017.						
Reference Number: 17034642							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AF 762361-010	104	0	43	20	450	3/6/2017	CANCELLED ESV
Requirement	SID. NO PROCEDURAL USE FOR LFI USAF, ORF, OR ZDC.						
Reference Number: 17034643							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AF 762361-011	104	0	41	20	230	3/6/2017	CANCELLED ESV
Requirement	SID. NO PROCEDURAL USE FOR LFI USAF, ORF, OR ZDC.						
Reference Number: 17045659							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AF 762361-005	107	107	56	30	230	4/28/2017	CANCELLED ESV
Requirement	ATLIC AR9. DUPLICATE. RADIAL 2 NOT NEEDED.						
Reference Number: 17034638							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AF 762361-016	110	0	57	40	180	3/6/2017	CANCELLED ESV
Requirement	ATLIC OA. DUPLICATE. INCORRECT RADIAL.						
Reference Number: 17034644							
ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AF 762361-012	244	0	76	50	70	3/6/2017	CANCELLED ESV
Requirement	ARR PROCEDURE. NO PROCEDURAL USE FOR LFI USAF OR ORF.						
Reference Number: 17034645							

7.5. Available Roles (Selection)

The ESVMS systems allows each given user role to access a specific menu of functionality within the application unique to that role. The left menu display earlier characterized the given functions for each role.

The selection of a separate role assigned to the user is a very straightforward operation. The left menu shows that available roles to the user and by simply clicking on the new role in the left menu, the user is immediately moved to the new role at the default dashboard function for that role.

8.0. Help (Access)

The ESVMS System provides user access to the ESVMS User manual and will contain additional help resources as they are deployed to support the user.

9.0. Webmaster Support

The ESVMS system will allow the user contact the Spectrum Helpdesk to report ESVMS system or other operational errors. The ESVMS system routinely captures detected application errors and collects an error trace snapshot of the state of the kernel when an exception occurred. This information is emailed automatically to the helpdesk mailbox to improve the data available when an exception is encountered.

The webmaster support addresses scenarios wherein the user is hampered from completing his task and operational objective, such that a report of the issue and possible workaround approach might be devised.

10.0. Logout

The ESVMS user is allow immediate access to logout of the application via the left menu.

11.0. ESVMS Requesting Officer Role

The first and primary ESVMS role is the Requesting Officer (RO) – as outlined earlier, Users in this role have the ability to establish, revise, and cancel ESV requests, as well as view the status of requests as they proceed through the workflow process. The operation of the functions are outlined in this section.

The functions to be covered are:

- Associate ESV FMO
- Establish ESV
- Revise ESV
- Edit ESV
- ESV Graphs

12.0. Associate ESV FMO

The ESVs which have been submitted by the current "logged in" requestor to the FMO FAA Spectrum for engineering are shown in a table on the landing page for Associate ESV FMO function.

Click on the Associate ESV FMO on the left pane and the existing ESVs will be displayed.

Click on the ESV and the facility data will be displayed with the information like serial, ref#, chart name, city, Q-route, frequency, facility type and State

The request type will state what type of request – Establish or Revise

The required signature link when clicked will display the First name, Last name, Program office, Phone#, Fax# and Email Address.

The Super FMO signature link when clicked will provide the First name, Last name, Program office, Phone.

The RO can select the ESV and click the 'Send to FICO Liaison' button and the ESV is send to the FICO successfully and the sent ESV is marked in yellow highlights

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Facility Data
Click on a record to Choose Alternatives for an ESV request.

Ref #	City	State	Ident	Frequency	Type	Date
18049868	JOHNS ISLAND	SC	ETI	1005-MHz	OME	04/12/2018
18049811	WESTOVER	MA	CEF	1174-MHz	TACAN	04/06/2018
18049779	BARABOO	WI	DLL	1204-MHz	TACAN	04/04/2018
18039680	CASANOVIA	VA	CSN	1197-MHz	TACAN	03/27/2018
18029396	JOHNSTOWN	PA	JST	1164-MHz	DMER	02/06/2018
18029395	JOHNSTOWN	PA	JST	113-MHz	L-VOR	02/06/2018

Facility Data
Enter information in the active fields.

Serial #:
 Ref #: Frequency (M,K):
 *Chart Name: Facility Type:
 City: State:
 Q Route:

ESV Data

Routing Symbol:

Also the RO can select the 'Disapprove Alternatives' radio button and click the 'Send to FICO Liaison' button.

The RO user can click on the print detailed report link to view the report

Facility Data

Serial #:
 Ref #: Frequency (M,K):
 *Chart Name: Facility Type:
 City: State:
 Q Route:

ESV Data

Step	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
RO	AF 037137-001		qrout55	55	55	5	55	55	requirement to test afm functionality without fastrack
FMO	AF 037137-001		qrout55	55	55	5	55	55	requirement to test afm functionality without fastrack
SFMO	AF 037137-001		qrout55	55	55	5	55	55	requirement to test afm functionality without fastrack
RO	AF 037137-001		qrout55	55	55	5	55	55	requirement to test afm functionality without fastrack

SFMO Signature: Routing Symbol:
 For Contact Details click the above Hyperlink Date:
[Print Detailed Report](#)

13.0. Establish ESV

This feature allows the RO to create a new ESV

- Click on the left-side navigation panel button marked Establish ESV. The screen will first appear blank.
- In the Search Criteria section, select one, a combination, all, or no fields in this section to arrive at a select number of records.
- Click the Search button.
- The list of ESVs is displayed matching the unique criteria facility record. OR, if the search does not find an exact match at a specific facility, the system will display all the records that meet the selected criteria.
- Double-click on a record from the Facility Data area that you want to establish an ESV.
- The Establish ESV screen is advanced to the next level to allow the user to create a new ESV.

Click on the establish ESV link next to the facility you want to create a new ESV

Establish ESV

Search Criteria
Enter any or all search criteria to access records

Identifier: Frequency (M,K):
 City: State:
 Facility: Q Route:

Facility Data
Click on a record to view associated ESV details in the ESV data table.

Serial No.	City	State	Identifier	Frequency	Type	Action
FAA 030060	JOHNS ISLAND	SC	ETI	M1005	DME	Establish ESV
FAA 000778	NORWOOD	MA	OWD	M981	DME	Establish ESV
FAA 000821	MEMPHIS	TN	TSE	M1003	DME	Establish ESV
FAA 000839	SAINT LOUIS	MO	RMK	M1141	DME	Establish ESV
FAA 021238	ASPEN	CO	ASE	M1135	DME	Establish ESV
FAA 021248	MCCOOK	NE	MCK	M1187	DME	Establish ESV
FAA 021266	MENA	AR	VMUJ	M985	DME	Establish ESV
FAA 012039	SANFORD	NC	TTA	M1131	DME	Establish ESV
FAA 021421	ALLEN TOWN	PA	GUWJ	M1109	DME	Establish ESV
FAA 021779	OMAHA	NE	EDI	M1135	DME	Establish ESV

ESV Data

STEP	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
------	--------	-------	------	----------	----------	----------	--------------	--------------	-------------

The new Establish data page gets populated and enter the following data, such as Chart name, radial1, alt minimum, alt maximum, distance and requirement. The radial 2 will be disabled by default for

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

new ESV.

The required option either Qroute or SID or STARS should be selected, and the value should be entered. Click the 'Send to FMO' button or the 'Save as Draft' to save in draft

In some cases, if the ESV is paired with another facility, when the 'Send to FMO' Button. The question is displayed as 'Is there an ESV required on the 'Paired-With' facility. If 'Yes' is clicked, the paired with facility information is displayed. The data should be entered and then click the 'Send to FMO' button.

Federal Aviation Administration
Expanded Service Volume Management System

Establish ESV

Facility Data
Enter information in the active fields

Serial #: FAA 030060
Ref #: 18049834
Frequency (M,K): M1005
*Chart Name: L-20
Facility Type: DME
City: JOHNS ISLAND
State: SC
Q Route: ANDYS
Fast Track:

Enter proposed ESV data in the active fields.

*Radial 1: 21 Magnetic
*Alt Minimum: 32 100 Ft. (MSL)
*Radial 2: 43 Magnetic
*Alt Maximum: 43 100 Ft. (MSL)
*Distance: 45 NML
*Requirement: 060525E MISSING FROM SYSTEM; SUPPORTS Q-11; FLIGHT INSPECTED M060525
Grandfathered:

ESV Data
Select a record to establish an ESV

Step	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
REQ	FAA 030060-005	QROUTE	ANDYS	21	43	45	32	43	060525E MISSING FROM SYSTEM; SUPPORTS Q-11; FLIGHT INSPECTED M060525 080520 AVN-150 FC SAT 7/15/04. AWAITING AFS-420 APVL, INGRAM, RSB

Signature: TESTmulti TEST
Routing Symbol: ajw
Date: 4/10/2018

Save As Draft Clear Send to FMO

14.0. Revise ESV

This functionality is used to revise an ESV

- Search a facility record by entering one or all fields in the search criteria to Revise ESVs.
- Provide direct access to the ESV request form, when a user enters facility description that matches an entry in the database.
- Display the Facility Data populated with facility data, when the user's search criteria retrieve more than one facility record from the database.
- Select a Facility Record from the facility data table to view associated ESVs.
Select a facility record, and access the ESV request form to revise an ESV.

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Search Criteria
Enter any or all search criteria to access records

Identifier: Frequency (M,K):
 City: State:
 Facility: Q Route:

Facility Data
Click on a record to view associated ESV details in the ESV data table.

Serial No.	City	State	Identifier	Frequency	Type	Action
FAA 030939	NORMAN	OK	BWM	M1143	DME	Revise ESV
FAA 060593	EVANSTON	WY	EVW	M987	DME	Revise ESV
FAA 081426	CLEVELAND HOPKINS INTL	OH	CLE	M1017	DME	Revise ESV
FAA 092093	LAS VEGAS	NV	RLE	M1141	DME	Revise ESV
FAA 110583	OLIVE BRANCH	MS	EVO	M1139	DME	Revise ESV
FAA 150145	CHICAGO	IL	BYW	M1007	DME	Revise ESV
FAA 672132	ALBANY	GA	PZO	M1195	DMER	Revise ESV
FAA 680420	LEXINGTON	KY	HYK	M1160	DMER	Revise ESV
FAA 701366	LEBANON	NH	LEB	M1171	DME	Revise ESV
FAA 701389	BARTLESVILLE	OK	BVO	M1213	DME	Revise ESV

Click on the 'Revise ESV' link next to the facility for which the ESV needs to be revised.

ESV Data

STEP	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
ORGN	FAA 672132 - 004			359	42	30	175		V97 WILMS testseat
ORGN	FAA 672132 - 008			110		43	50	145	Direct rte to IFM VOR
ORGN	FAA 672132 - 012	SIDS	THRSR	333	3	55	80	155	100826E ESTABLISH ESV FOR ATL THRSR RNAV SID 100826 Approved. Pend. Flight Chk/inspect @ the req. dist. and MIN ALT.
ORGN	FAA 672132 - 018	SIDS	JUNPR	42	52	105	80	165	110707E ESTABLISH ESV FOR KAGS RNAV SIDS 110707 Approved. Pend. Flight Chk/inspect @ the req. dist. and MIN ALT. JUNPR RNAV PRO DATA USED. NPCR. PER DAVID COOK
ORGN	FAA 672132 - 020	STAR5	GNDPL	315	327	94	90	150	RAGGZ, IRAMS, GNDPL, HORTT STARS KATL, FC SAT BY R. STUCKERT, VN163 NRO ON 07/19/17 PER W TERRELL (FLIGHT INSP) & D COOK (PBN OFFICE) AND CONFIRMED BY V HINTON (SPECTRUM ENGINEERING). DME/DME IRU ARE CERTIFIED BY RNAV-PRO ONLY. SUBMITTED BY S. JUBB, ESC PBN OFFICE 08/16/17.

Modify the ESV and click 'Send to FMO' or 'Save as draft' button.

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

Facility Data
Enter information in the active fields

Serial #: FAA 672132
Ref #:
*Chart Name:
City: ALBANY
State: GA
Q Route:

Enter proposed ESV data in the active fields.

*Radial 1: Magnetic? *Alt Minimum: 100 ft (MSL) *Distance: NML
*Radial 2: Magnetic? *Alt Maximum: 100 ft (MSL)
*Requirement:

ESV Data
Select a record to revise an ESV

Slrg	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
ORGN	FAA 672132 - 004			359		42	30	175	V97 WILMS testset
ORGN	FAA 672132 - 008			110		43	50	145	Direct rte to IFM VOR
ORGN	FAA 672132 - 012	SIDS	THRSR	333	3	55	80	155	100826E ESTABLISH ESV FOR ATL THRSR RNAV SID 100826 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
ORGN	FAA 672132 - 018	SIDS	JUNPR	42	52	105	80	165	110707E ESTABLISH ESV FOR KAGS RNAV SIDS 110707 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT. JUNPR RNAV PRO DATA USED. NFCR. PER DAVID COOK
ORGN	FAA 672132 - 020	STARS	GNDFL	315	327	94	90	150	RAGGZ, JRAMS, GNDFL, HOBT STARS KATL. FC SAT BY R. STUCKERT VN163 N80 ON 07/19/17. PER W. TERRELL (FLIGHT INSP) & D. COOK (PBN OFFICE) AND CONFIRMED BY V. HINTON (SPECTRUM ENGINEERING), DME/DME IIRU ARE CERTIFIED BY RNAV-PRO ONLY. SUBMITTED BY S. JUBB, ESC PBN OFFICE 08/16/17.

Signature: [CLIFFORD VINES](#) Routing Symbol:
Date: 4/11/2018
For Contact Details click the above Hyperlink

15.0. Cancel ESV:

The RO can delete a saved ESV request, before it has been sent to the FMO.

Click on the Cancel ESV in the left pane, the search screen is displayed.

Select the Cancel ESV link next to the facility data you would like to cancel.

The Cancel ESV screen is displayed.

Click the “Delete” button on the button bar.

When the dialog box asks “Are you sure you want to delete this record?” click OK. The record will be permanently deleted.

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

Expanded Service Volume Management System

Cancel ESV

Search Criteria
Enter any or all search criteria to access records

Identifier: Frequency (M,K):
 City: State:
 Facility: DME Q Route:

Facility Data
Click on a record to view associated ESV details in the ESV data table.

Serial No.	City	State	Identifier	Frequency	Type	Action
FAA 030939	NORMAN	OK	BWM	M1143	DME	Cancel ESV
FAA 060593	EVANSTON	WY	EVW	M987	DME	Cancel ESV
FAA 081426	CLEVELAND-HOPKINS INTL	OH	CLE	M1017	DME	Cancel ESV
FAA 090295	LAS VEGAS	NV	RLE	M1141	DME	Cancel ESV
FAA 110583	OLIVE BRANCH	MS	BVO	M1139	DME	Cancel ESV
FAA 150145	CHICAGO	IL	BYW	M1007	DME	Cancel ESV
FAA 672132	ALBANY	GA	PZD	M1195	DMER	Cancel ESV
FAA 680420	LEXINGTON	KY	HYK	M1160	DMER	Cancel ESV
FAA 701366	LEBANON	NH	LEB	M1171	DME	Cancel ESV
FAA 701389	BARTLESVILLE	OK	BVO	M1213	DME	Cancel ESV

ESV Data

STEP	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
ORGN	FAA 110583 - 001			181		24	21	49	110404E ESTABLISH ZEMUG CNF FIX FOR DEAD RECKONING 110404 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT. APPROVED.

Expanded Service Volume Management System

Cancel ESV

Facility Data
Enter information in the active fields

Serial #:
 Ref #: Frequency (M,K):
 *Chart Name: Facility Type:
 City: State:
 Q Route:

Enter proposed ESV data in the active fields.

Radial 1: Magnetic *Alt Minimum: 00 ft (MSL) *Distance: NML
 Radial 2: Magnetic *Alt Maximum: 00 ft (MSL)
 *Requirement:

ESV Data

Step	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
ORGN	FAA 110583 - 001			181		24	21	49	110404E ESTABLISH ZEMUG CNF FIX FOR DEAD RECKONING 110404 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT. APPROVED.

Signature: [CLIFFORD VINES](#) Routing Symbol:
 For Contact Details click the above Hyperlink Date:

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

16.0. Edit ESV

This feature is used to edit an ESV

Click on the 'Edit ESV' in the left pane. The facility data is displayed. Edit the following fields

- Chart name
- radial 1
- alt minimum
- alt maximum
- Requirement or distance.

Click 'Save as Draft' or 'Send to FMO' or 'Delete'

Ref #	City	State	Identifier	Frequency	Type	Date
18007706	JOHNS ISLAND	SC	FSI	M1005	DME	04/09/2018
18039622	SEARCY	AR	DSY	M110.1	LOC	03/29/2018

Step	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
RO	FAA 030060 - 002			121		56	32	45	Quote

17.0. ESV Graphs

When the FMO receives a request via the ESV Management System (ESVMS) to establish, revise or cancel an ESV, the FMO shall engineer each ESV and approve the proposed request, if appropriate, via the ESVMS. As a result of an approval, the Flight Inspection Office will conduct a flight check of the ESV. The results of this action will be communicated to Technical Operations ATC Spectrum Engineering Services (via the ESVMS) for final review and approval. Technical Operations ATC Spectrum Engineering Services will enter the approval into the ESVMS, which subsequently

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generates an input into the AFM national data base and a notification of the action taken back to the FMO.

A new functionality has been added to the existing ESVMS application that automates the current manual process of using ESV Calculator tool to validate both 'New' and 'Existing' ESVs in relationship to the new Nextgen and VORMON Service Volumes.

- Any new ESV needs to be validated via ESV tool to confirm the need for the new ESV in the NextGen service volumes.
- For existing ESVs the ESV calculator is employed to determine the need based of the characteristics of the new ESV against the NextGen Service Volume and inform the user to 1) Remove/Cancel or 2) Modify/Edit or 3) Sustain/Establish the evaluated ESV.
- In case of frequency change on an existing facility, the ESV calculator must be used to validate the movement of the ESV to the new frequency. The new frequency facility 'CAN NOT' become active unless the old frequency is 'Deleted/Archived' in AFM.
- The ESV Calculator focuses on four (4) Service volume classes. They are DH, DL, VH and VL.

The user with RO role has the option to use the Tool menu from the left hand selection menu bar to Find any ESV and view/ modify any DL Class, DH Class, VL Class and VH Class graphs using the new NextGen functionality in the improved ESVMS application as mentioned above.

When the user clicks on ESV Graphs from the Tool menu, the system displays the below screenshot with DL Class auto selected at the top:

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The RO can then click ‘Find ESV’ button on the right hand corner after entering the Serial Number to view results. Another option to select ESV is to enter values in the fields Facility Elevation, ESV Range, ESV Min. Altitude and ESV Max. Altitude and click “Show Graph” button. The system displays the graph related to the Class selected at the top. Sample graph for DL Class is shown below:

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Extended Service Volume Management System

Dashboard

View ESV

Associate ESV FMO

Establish ESV

Revise ESV

Cancel ESV

Edit ESV

Check Status

Reports

Approved ESVs

Disapproved ESVs

Restricted ESVs

Cancelled ESVs

Pending/Detail ESVs

Available Roles

RO

FICO

FIFO

Super Admin

SFMO

Tools

ESV Graphs

Help

WebMaster Support

Logout

ESV Tools

DL Class DH Class VL Class VH Class
Serial: **Find ESV**

DL Class Criteria

The DL-class is only applicable to the DME and TACAN systems that are part of NextGen DME Program.
The Service Volume is not applicable for DMEs associated with NDBs, Localizers, or Markers.

Facility Elevation: ft (MSL) ESV Range: NM ESV Min Altitude: ft (MSL) ESV Max Altitude: ft (MSL)

Show Graph **Clear**

Is ESV obsolete? AMEND ESV

Is ESV greater than 130-nmi?

Is ESV below the SSV lower curve and needs amendment? Amended Altitudes:

Is ESV above SSV, less than 130NM, and needs amendment? Amended Altitudes:

Range (NM)	DL SSV (MSL Adjusted) Altitude (Feet MSL)	Amended ESV 1 Altitude (Feet MSL)	Current ESV Altitude (Feet MSL)
0	0	-	18,000
10	~500	-	18,000
20	~1,000	-	18,000
30	~1,500	-	18,000
40	~2,000	-	18,000
50	~2,500	-	18,000
60	~3,000	-	18,000
70	~3,500	-	18,000
80	~4,000	-	18,000
90	~4,500	-	18,000
100	~5,000	-	18,000
110	~5,500	-	18,000
120	~6,000	11,230	18,000

Based on the answers on the initial DL Class, DH Class, VL Class and VH Class questions, the user is presented with the desired graphs and given the options to CANCEL, AMEND or NO CHANGE TO ESV. The user can also REVISE an ESV in the ESV calculator tool using the “Is ESV obsolete” value without leaving the chart tool.

The ESV evaluation tool guides the user through all the different options available in the tool. Some examples are shown below:

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

CANCEL ESV

Extended Service Volume Management System

Dashboard

View ESV

Associate ESV FMO

Establish ESV

Revise ESV

Cancel ESV

Edit ESV

Check Status

Reports

- Approved ESVs
- Disapproved ESVs
- Restricted ESVs
- Cancelled ESVs
- Pending/Detail ESVs

Available Roles

- RO
- FICO
- FIFO
- Super Admin
- SFMO

Tools

- ESV Graphs

Help

WebMaster Support

Logout

ESV Tools

DL Class | DH Class | VL Class | **VH Class**

Serial: [Find ESV](#)

VH Class Criteria

The VH-class is applicable to the VOR and its paired with DME and TACAN systems that are not part of NextGen DME Program.
The Service Volume is not applicable for DMEs associated with NDBs, Localizers, or Markers.

Facility Elevation: ft (MSL) ESV Range: NM ESV Min Altitude: ft (MSL) ESV Max Altitude: ft (MSL)

[Show Graph](#) [Clear](#)

Is ESV obsolete? **CANCEL ESV**

Is ESV greater than 130-nmi?

Is ESV below the 5000-ft beyond 40 NM, and needs amendment? Amended Altitudes:

Is ESV below the 14500-ft btw 70-100 NM, and needs amendment? Amended Altitudes:

Is ESV below the 18000-ft btw 100-130 NM, and needs amendment? Amended Altitudes:

Is ESV above SSV, less than 130NM, and needs amendment? Amended Altitudes:

Range (NM)	Altitude (Feet) MSL	Type
0	60,000	VH SSV (MSL Adjusted)
100	60,000	VH SSV (MSL Adjusted)
100	45,000	VH SSV (MSL Adjusted)
130	45,000	VH SSV (MSL Adjusted)
130	18,000	VH SSV (MSL Adjusted)
100	18,000	VH SSV (MSL Adjusted)
70	18,000	VH SSV (MSL Adjusted)
70	14,500	VH SSV (MSL Adjusted)
40	14,500	VH SSV (MSL Adjusted)
40	5,000	VH SSV (MSL Adjusted)
30	5,000	VH SSV (MSL Adjusted)
0	5,000	VH SSV (MSL Adjusted)
30	15,000	Current ESV

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

NO CHANGE TO ESV

Extended Service Volume Management System

Dashboard

View ESV

Associate ESV FMO

Establish ESV

Revise ESV

Cancel ESV

Edit ESV

Check Status

Reports

- Approved ESVs
- Disapproved ESVs
- Restricted ESVs
- Cancelled ESVs
- Pending/Detail ESVs

Available Roles

- RO
- FICO
- FIFO
- Super Admin
- SFMO

Tools

- ESV Graphs

Help

WebMaster Support

Logout

ESV Tools
DL Class | DH Class | VL Class | VH Class
Serial: [Find ESV](#)

DL Class Criteria

The DL-class is only applicable to the DME and TACAN systems that are part of NextGen DME Program.
 The Service Volume is not applicable for DMEs associated with NDBs, Localizers, or Markers.

Facility Elevation: ft (MSL)
ESV Range: NM
ESV Min Altitude: ft (MSL)
ESV Max Altitude: ft (MSL)

Show Graph Clear

Is ESV obsolete? NO CHANGE TO ESV

Is ESV greater than 130-nmi?

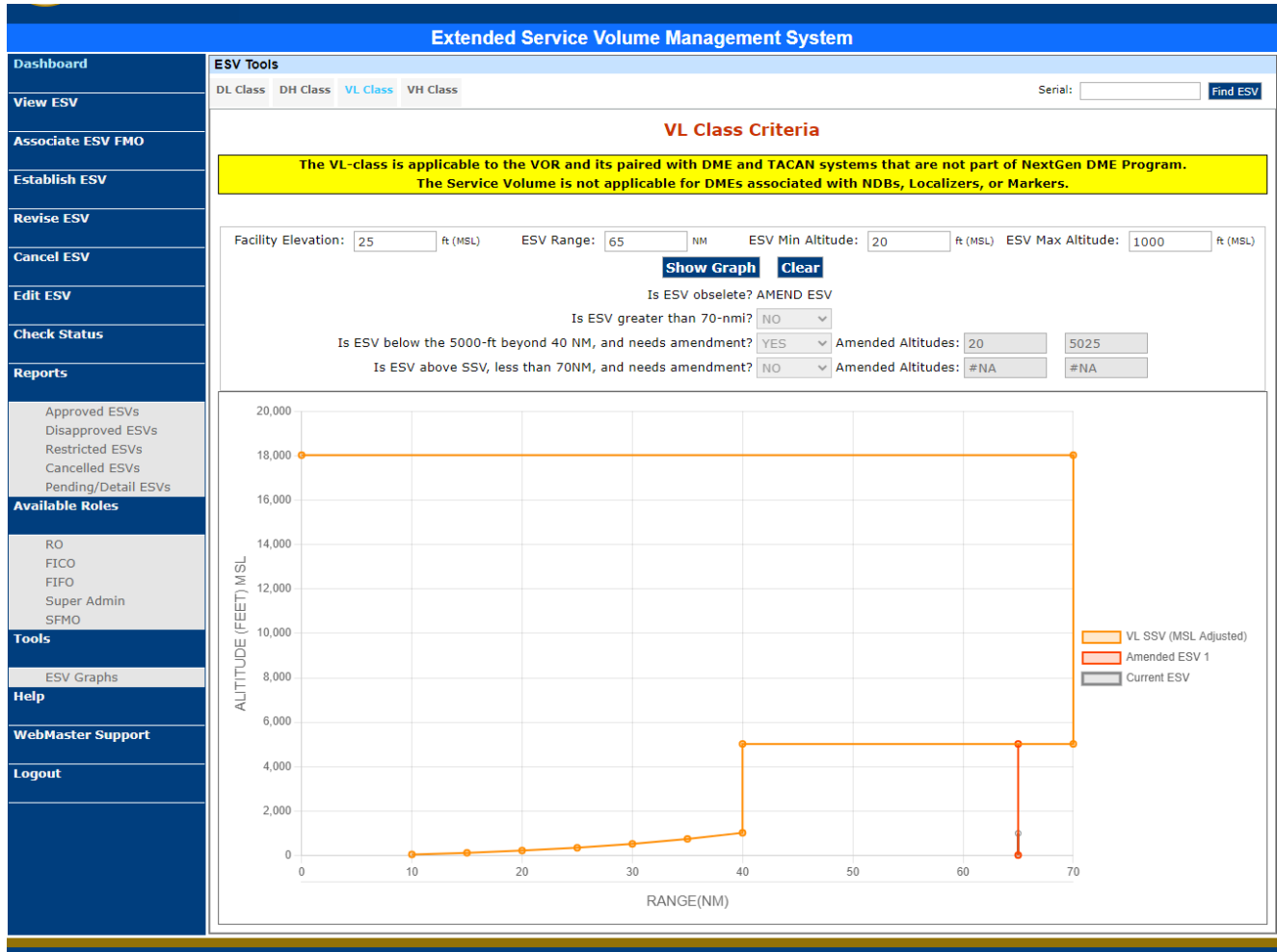
Is ESV below the SSV lower curve and needs amendment? Amended Altitudes:

Is ESV above SSV, less than 130NM, and needs amendment? Amended Altitudes:

Range (NM)	Altitude (Feet) MSL
0	0
10	500
20	1000
30	1500
40	2000
50	2500
60	3000
70	3500
80	4000
90	4500
100	5000
110	6000
120	7000
130	8000
140	9000

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Spectrum Engineering Services Organization (AJW-15)**

AMEND ESV



18.0. ESVMS Flight Inspection Central Office Role

Flight Inspection Central Office (FICO) User – This role have the functionality to aggregate the ESVs entered by the Requester and them for flight inspection as well as Admin ESVs for accuracy and quality

19.0. Associate ESV

Select the Associate ESV function, and the FICO ESV Search page displays the Search Criteria to provide for the access to desired facility record records. The search criteria parameters are:

- ESV Reference Number
- FAA ID
- Frequency
- Facility Type
- Procedure
- City
- State

The FICO Associate ESVs page lists all submitted ESV sent to the FICO Liaison by requestors for Flight Check packaging are shown by default in the data table. The FICO search results show:

- Table format of submitted ESVs
- ESV Ref. #
- City
- State
- FAA Ident
- Frequency
- Type
- Date

Upon selection (single click) of a given ESV, the further ESV data details are shown in the format below:

A double-click on the highlighted record allows the user to Associate the ESV to the Flight Check package.

The ESV data parameters shown:

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

- Step*
- ESV ID
- Radial 1
- Radial 2
- Distance
- Alt. Min
- Alt. Max
- Requirement

Associate ESV

Search Criteria
Enter any or all search criteria to access records

Reference Number:

Identifier:

City:

Facility:

Frequency (M,K):

State:

Q Route:

Show Records not processed by FICO:

Facility Data
Only the first 300 records are displayed. Click on a Record to View ESV's

Reference Number	City	State	Identifier	Frequency	Type	Date	Action
11107046	MARCH	CA	RIV	M110.1	LOC	10/26/2011	Associate ESV
12018474	CHICAGO OHARE	IL	FJU	M110.1	LOC	01/11/2012	Associate ESV
18039608	NEWPORT NEWS	VA	DHY	M110.1	LOC	03/21/2018	Associate ESV
18039639	NEWPORT NEWS	VA	DHY	M110.1	LOC	03/21/2018	Associate ESV
18039647	SEARCH	AR	DSF	M110.1	LOC	03/22/2018	Associate ESV
09107963	INDUSTRY	TX	ISU	M110.2	L-WDR	10/13/2009	Associate ESV
11044988	BLOOMINGTON	IN	ODM	M110.2	L-WDR	04/19/2011	Associate ESV
17014346	EAST TEXAS	PA	ETX	M110.2	L-WDR	01/29/2017	Associate ESV
12097923	MINNEAPOLIS	MN	MSP	M110.3	LOC	09/23/2012	Associate ESV
17055676	LAS VEGAS	NV	LAS	M110.3	LOC	05/01/2017	Associate ESV

ESV Data

STEP	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
------	--------	-------	------	----------	----------	----------	--------------	--------------	-------------

Enter the text in FICO routing symbol, AirSpace docket number and chartname. Click ‘Send to FIFO’ button.

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

Expanded Service Volume Management System

FICO - Associate ESV

Facility Data

ESV Detailed Report

*From: (originating Office):

Serial #:

Ref #:

*Chart Name:

City:

Frequency (M,K):

Facility Type:

State:

Request Type:

ESV Data

Step	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
FICO	FAA 690632-011			188	0	54	35	175	V-47/V-512 SACKO INT
AVN	FAA 690632-011			188	0	54	35	175	V-47/V-512 SACKO INT
SFMO	FAA 690632-011			188	0	54	35	175	V-47/V-512 SACKO INT
FMO	FAA 690632-011			188	0	54	35	175	V-47/V-512 SACKO INT
AVN	FAA 690632-011			188	0	54	35	175	V-47/V-512 SACKO INT

The Step Column identifies the office responsible for results displayed in the corresponding row.
ORGN - Original Record, AVN/REQ - Requesting Officer, FMO - Frequency Management Officer, FICO - Flight Inspection Field Officer.

REQ Signature: [ERIC POWELL](#) Routing Symbol:

For Contact Details click the above Hyperlink Date:

Remarks(FMO):

FMO Signature: [PETER VUJ](#) Routing Symbol:

For Contact Details click the above Hyperlink Date:

Remarks(FMO):

20.0. Magnetic Variation

The ESVMS magnetic variation change function, displays a search page to provide entering search criteria to locate the desired facility record. The entry criteria options are:

- FAA ID
- Frequency
- City
- State

The Search results will display a list of all facilities meeting the search criteria and display the information using the following data format:

- FAA Serial Number
- City
- State
- FAA ID
- Frequency
- Facility Type

The user can select the desired record to view associated facility details in the target facility details form and the ESV data table on that facility record.

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Spectrum Engineering Services Organization (AJW-15)**

The target facility form contains:

- FAA Serial Number
- Airspace Docket Number
- ESV Reference Number
- Frequency
- Chart Name
- Facility Type
- City
- State

Each existing ESV on the facility is displayed with the following parameters:

- ESV ID
- Q-Route
- Radial 1
- Radial 2
- Distance
- Alt. Min
- Alt. Max
- Requirement

The option to perform the magnetic variation update is displayed at the bottom of the webpage.

The incremental magnetic variation change from the existing magnetic variation should be entered in the first box preceded by a plus or minus function. The second data box requests the entry for the absolute magnetic variation for the facility.

Please be advised that the QROUTE ESVs are entered as TRUE, and not magnetic, hence Q-Routes are NOT rotated by this process.

The action buttons displayed are "Clear" and "Send to AFM"

Please review screen shots below:

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

Expanded Service Volume Management System

Magnetic Variation

Search Criteria
Enter any or all search criteria to access records

Identifier: Frequency (M,K):
 City: State: VA
 Facility: Q Route:

Facility Data
Click on a Record to edit a saved ESV draft

Serial #	City	State	Identifier	Frequency	Type
FAA 682017	CASANOVA	VA	CSN	M1197	TACAN
FAA 698117	HOPEWELL	VA	HPW	M1018	TACAN
FAA 764042	ROANOKE	VA	SZK	M1111	LOC
FAA 901867	MONTABELLO	VA	MOL	M115.3	L-VOR
FAA 697339	GLADE SPRING	VA	GZG	M110.2	L-VOR
FAA 697417	FLAT ROCK	VA	FAK	M113.3	H-VOR
FAA 703970	LYNCHBURG	VA	LYH	M990	TACAN
AF 762361	LANGLEY	VA	LFI	M1157	NONE
FAA 698194	GORDONVILLE	VA	GVE	M1190	TACAN
FAA 701332	CAPE CHARLES	VA	CCV	M1020	TACAN

Facility Data
Enter information in the active fields

From (originating Office):
 Serial #: Frequency (M,K):
 Ref #: Facility Type:
 Chart Name: State:
 City:

ESV Data

ESV ID	Q Route	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
Perform Variation by <input type="text"/> Magnetic*							

Reports

Approved ESVs
Disapproved ESVs
Restricted ESVs
Cancelled ESVs
Pending/Detail ESVs

Available Roles

RO
FICO
FIFO
Super Admin
SFMO

Help

WebMaster Support

Logout

Facility Data
Enter information in the active fields

From (originating Office):
 Serial #: FAA 698117 Frequency (M,K): M1018
 Ref #: Facility Type: TACAN
 Chart Name: State: VA
 City: HOPEWELL

ESV Data

ESV ID	Q Route	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
FAA 698117-001		198		87	180	450	J191 PELTO
FAA 698117-003		76		60	40	180	MILITARY SID?
FAA 698117-005	STARS	271	286	78	140	240	100226E ESTABLISH ESV FOR FRAZ RNAV STAR 100301 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-006		215		68	50	175	100406E GRANDFATHERED: EXISTING FIX DUFFI ON V615. CURRENT E5100407 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT. APPROVED.
FAA 698117-007		237		49	60	175	100601E GRANDFATHERED: V454; COP @ LVL 100602 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-008		25		41	20	175	100902E GRANDFATHERED: TAPPA INT,V213,FC 4/17/72,COX 100902 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-009		140		37	180	310	118080E GRANDFATHERED: SUPPORT FIX DRIVE I180808 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-011	STARS	297	307	53	35	190	130221E SUPPORTS SPDR (STAR) KRIC 130225 APPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT. FC SAT BY E. MESA VN283 N90 ON 10/01/13. PER W.TERRELL (FLIGHT INSP) & D

Perform Variation by Magnetic*

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

Available Roles

- RO
- FICO
- FIFO
- Super Admin
- SFMO

Facility Data

FAA ID	City	VA	LPI	M1018	NAME
FAA 698194	GORDONSVILLE	VA	GVE	M1190	TACAN
FAA 701332	CAPE CHARLES	VA	CCV	M1020	TACAN

Enter information in the active fields

From (originating Office): _____

Serial #: Frequency (M,K):

Ref #: Facility Type:

Chart Name: State:

City:

ESV Data

ESV ID	Q Route	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
FAA 698117-001		198		87	180	450	J191 PELTO
FAA 698117-003		76		60	40	180	MILITARY SID?
FAA 698117-005	STARS	271	286	78	140	240	100226E ESTABLISH ESV FOR FRAZJ RNAV STAR 100301 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-006		215		68	50	175	100406E GRANDFATHERED: EXISTING FIX DUFFI ON V615. CURRENT ES100407 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT. APPROVED.
FAA 698117-007		237		49	60	175	100601E GRANDFATHERED: V454; COP @ LVL 100602 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-008		25		41	20	175	100902E GRANDFATHERED: TAPPA INT,V213,FC 4/17/72,COX 100902 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-009		140		37	180	310	110808E GRANDFATHERED: SUPPORT FIX DRIVE 110808 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-011	STARS	297	307	53	35	190	130221E SUPPORTS SPDR (STAR) KRIC 130225 APPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT. FC SAT BY E. MESA VN283 N90 ON 10/01/13. PER W.TERRELL (FLIGHT INSP) & D

Perform Variation by: Magnetic*

Reports

- Approved ESVs
- Disapproved ESVs
- Restricted ESVs
- Cancelled ESVs
- Pending/Detail ESVs

Available Roles

- RO
- FICO
- FIFO
- Super Admin
- SFMO

Facility Data

FAA ID	City	VA	HPW	M1018	NAME
FAA 698117	HOPEWELL	VA	HPW	M1018	TACAN
FAA 764042	ROANOKE	VA	SZK	M111.1	LOC
FAA 901867	MONTEBELLO	VA	MOL	M115.3	L-VOR
FAA 697339	GLADE SPRING	VA	GZG	M110.2	L-VOR
FAA 697417	FLAT ROCK	VA	FAK	M113.3	H-VOR
FAA 703970	LYNCHBURG	VA	LYH	M990	TACAN
AF 762361	LANGLEY	VA	LFI	M1157	NONE
FAA 698194	GORDONSVILLE	VA	GVE	M1190	TACAN
FAA 701332	CAPE CHARLES	VA	CCV	M1020	TACAN

Enter information in the active fields

From (originating Office): _____

Serial #: Frequency (M,K):

Ref #: Facility Type:

Chart Name: State:

City:

ESV Data

ESV ID	Q Route	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
FAA 698117-001		202		87	180	450	J191 PELTO
FAA 698117-003		80		60	40	180	MILITARY SID?
FAA 698117-005	STARS	275	290	78	140	240	100226E ESTABLISH ESV FOR FRAZJ RNAV STAR 100301 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-006		219		68	50	175	100406E GRANDFATHERED: EXISTING FIX DUFFI ON V615. CURRENT ES100407 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT. APPROVED.
FAA 698117-007		241		49	60	175	100601E GRANDFATHERED: V454; COP @ LVL 100602 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-008		29		41	20	175	100902E GRANDFATHERED: TAPPA INT,V213,FC 4/17/72,COX 100902 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-009		144		37	180	310	110808E GRANDFATHERED: SUPPORT FIX DRIVE 110808 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.
FAA 698117-011	STARS	301	311	53	35	190	130221E SUPPORTS SPDR (STAR) KRIC 130225 APPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT. FC SAT BY E. MESA VN283 N90 ON 10/01/13. PER W.TERRELL (FLIGHT INSP) & D

Perform Variation by: Magnetic*

21.0. ESVMS Flight Inspection Field Office Role

The Flight Inspection Field Office is responsible for evaluating the proposed and engineering ESVs, primarily by completing a flight check inspecting and testing of the given ESV.

The Flight Inspection Field Office (FIFO) Role, the Dashboard Menu will provide the FIFO Officer access to the following unique operational functions:

The FIFO Dashboard

FIFO Evaluate ESV

Role: FIFO

Module: Dashboard

ID	FAID	SUBMIT DATE	CITY	STATE	FREQUENCY	ROL1	ROL2	DISTANCE	LOW ALT	HIGH ALT	REFERENCE NO	STATUS	LAST UPDATE DATE
FAA 830939 - 002	IAD	03/28/2018	WASHINGTON DULLES INTL	VA	M110.1	21	0	45	32	43	18039620	SENT TO FMO	03/28/2018
FAA 830939 - 001	IAD	03/19/2018	WASHINGTON DULLES INTL	VA	M110.1	21	0	45	32	43	18039599	SENT TO FMO	03/19/2018
FAA 795176 - 012	BWD	04/10/2018	BROWNWOOD	TX	M984	140	236	85	80	200	18049717	SENT TO FMO	04/10/2018
FAA 780514 - 006	MHT	04/10/2018	MANCHESTER	NH	M1178	30	70	77	44	55	18049711	SENT TO FMO	04/10/2018
FAA 764042 - 001	SDX	03/30/2018	ROANOKE	VA	M111.1	251	0	51	81	91	18039625	SENT TO FMO	03/30/2018
FAA 713105 - 005	RLG	03/19/2018	KREMMLING	CO	M113.8	13	0	13	13	13	18039603	SENT TO FMO	03/21/2018
FAA 704194 - 001	FSJ	04/10/2018	SIOUX FALLS	SD	M1184	331	345	108	180	200	18049714	SENT TO FMO	04/10/2018
FAA 704149 - 011	RLG	03/21/2018	KREMMLING	CO	M1172	13	0	14	13	13	18039613	SENT TO FMO	03/21/2018
FAA 703970 - 005	LYH	04/05/2018	LYNCHBURG	VA	M990	251	21	41	51	171	18049645	SENT TO FMO	04/05/2018
FAA 702652 - 013	MVA	04/04/2018	MINA	NV	M1185	173	187	45	159	223	18049644	SENT TO FMO	04/04/2018
FAA 701389 - 003	BVO	04/09/2018	BARTLESVILLE	OK	M1213	154	201	65	52	200	18049680	SENT TO FMO	04/09/2018
FAA 701368 - 050	VUZ	04/10/2018	BIRMINGHAM	AL	M1178	12	12	12	12	12	18049712	SENT TO FMO	04/10/2018
FAA 701366 - 004	LEB	04/10/2018	LEBANON	NH	M1171	5	50	89	180	450	18049707	SENT TO FMO	04/10/2018
FAA 701366 - 001	LEB	04/10/2018	LEBANON	NH	M1171	44	0	47	58	175	18049715	SENT TO FMO	04/10/2018
FAA 698109 - 009	GZG	04/10/2018	GLADE SPRING	VA	M1200	93	180	69	90	240	18049716	SENT TO FMO	04/10/2018
FAA 682017 - 019	CSN	04/09/2018	CASANOVA	VA	M1197	80	150	55	22	33	18049679	SENT TO FMO	04/09/2018
FAA 682017 - 012	CSN	04/06/2018	CASANOVA	VA	M1197	88	88	88	88	88	18049659	SENT TO FMO	04/06/2018
FAA 680420 - 012	HYK	04/06/2018	LEXINGTON	KY	M1160	357	7	78	40	190	18049681	SENT TO FMO	04/06/2018
FAA 680420 - 002	HYK	03/20/2018	LEXINGTON	KY	M1160	282	0	161	181	231	18039606	SENT TO FMO	03/20/2018
FAA 140276 - 002	FLA	03/21/2018	PORT LAUDERDALE	FL	M1141	276	0	21	41	41	18039610	SENT TO FMO	03/21/2018

The FIFO Dashboard displays all the ESV records which have been processed through and are deemed ready to be evaluated by Flight Inspection testing.

Click the reference number to see the ESV detailed report

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ESV Details

Originating Office :ASR		Airspace Docket Number :		Request Type :Establish		
Facility Data						
Chart Name:qwerty		City:BuckleyWASHINGTON DULLES INTL		Ident:IAD State:VA		
Type/Class: LOC		Frequency: M110.1		Reference Number: 18039620		
Expanded Service Volume Data: (Requesting Officer)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	
FAA 830939 - 002	21		45	32	43	
Requirement: 54						
Signature:VINES CLIFFORD		Routing Symbol:45		Date:03/28/2018		
Expanded Service Volume Data: (FIFO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 830939 - 002	21					
Requirement/Remarks:						
Signature:		Routing Symbol:		Date:		

21.1. FIFO: Evaluate ESV

The FIFO Evaluate ESV initially provides a search page to allow the user to enter search criteria to access the desired ESV facility record records. The search entry criteria consist of:

- ESV Reference Number
- FAA ID
- Frequency
- Facility Type
- Procedure/Q-Route
- City
- State

Following the search, the FIFO Evaluate ESV Facility Results Data Table lists all packaged ESVs sent to the FIFO by FICO for Flight Check in the table.

The FIFO search populates the list with the results only, and by default all existing will show.

The table format of submitted ESVs with:

- ESV Reference Number

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- City
- State
- FAA Ident
- Frequency
- Facility Type
- Date

Upon selection (single click) of a given ESV, further ESV details are shown in the role based format below which outlines that actions and comments of each stakeholder.

The ESV technical data is expands details showing:

- Step*
- ESV ID
- Radial 1
- Radial 2
- Distance
- Alt. Min
- Alt. Max
- Requirement

The double-click action on the highlighted record allows the FIFO user to begin the Evaluate ESV process based on the Flight Check Inspection.

The FIFO evaluation page which is triggered by the double click on the highlighted record allows the FIFO user to begin the “Evaluate ESV process” based on the Flight Check.

The Initial Action box is prepopulated showing the request type: Establish

The initial data to be entered are:

1. The Date of the Flight Check
2. Flight Check Pilot Name (Dropdown)

The expanded page shows the details and remarks by all stakeholders beginning from the requester. All stakeholders contact information is available via hyperlink from the individual data blocks.

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The format is: Stakeholder remarks, Signature, Routing symbol and Date.

Following the Data blocks of the Requestor, FMO, SFMO, there is the checkbook for Approve All. For the FIFO officer to approve process presents the required fields of: Date of Flight Check, Pilot's Name, Remarks (Text Block Entry), and FAA Routing Code/Symbol, with the FIFO signature box.

For the Q-Route ESVs when selected, the Pilot Name and Flight Date is NOT mandatory fields, Q-Route ESVs are unique in this manner.

The webpage bottom buttons finalize the process by allowing the user options of: Save as Draft, Clear, or "Send to AFM"

See screen shots below:

Expanded Service Volume Management System

Search Criteria
Enter any or all search criteria to access records

Ref #:
 Identifier:
 Facility:
 City:
 Frequency (M,K):
 Q Route:
 State:

Facility Data
Click on a record to view associated ESV details in the ESV data table.

Ref #	City	State	Ident	Frequency	Type	Date	Action
08068560	KETCHIKAN	AK	ECH	109.3-MHz	LOC	06/26/2008	Evaluate ESV
08071320	KAHULUI	HI	OGG	115.1-MHz	H-VOR	07/25/2008	Evaluate ESV
08071321	KAHULUI	HI	OGG	1185-MHz	TACAN	07/25/2008	Evaluate ESV
08106180	ST JOHNS	AZ	SIN	1157-MHz	TACAN	10/10/2008	Evaluate ESV
08106181	ST JOHNS	AZ	SIN	112.3-MHz	H-VOR	10/10/2008	Evaluate ESV
09022841	IMPERIAL	CA	IPL	1193-MHz	TACAN	02/20/2009	Evaluate ESV
09022880	BETHEL	AK	BET	114.1-MHz	H-VOR	02/23/2009	Evaluate ESV

ESV Data

Step	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
FICO	FAA 711309-007			303	0	18	50	55	GRANDFATHERED: PAULY INT
AVN	FAA 711309-007			303	0	18	50	55	GRANDFATHERED: PAULY INT
SFMO	FAA 711309-007			303	0	18	50	55	GRANDFATHERED: PAULY INT
FMO	FAA 711309-007			303	0	18	50	55	GRANDFATHERED: PAULY INT
AVN	FAA 711309-007			303	0	18	50	55	GRANDFATHERED: PAULY INT

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Facility Data

*From: (originating Office):

Serial #:

Ref #:

*Chart Name:

City:

Frequency (M,K):

Facility Type:

State:

Request Type:

*Date of Flight Check:

*Pilot:

ESV Data

Click on Evaluate ESV button to Evaluate an ESV
OR
Check the Approve All Check Box to approve all the ESV's in the ESV Data Table.

Step	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement	Action
FICO	FAA 711309-007			303	0	18	50	55	GRANDFATHERED- PAULY INT	Evaluate ESV
AVN	FAA 711309-007			303	0	18	50	55	GRANDFATHERED- PAULY INT	Evaluate ESV
SFMO	FAA 711309-007			303	0	18	50	55	GRANDFATHERED- PAULY INT	Evaluate ESV
FMO	FAA 711309-007			303	0	18	50	55	GRANDFATHERED- PAULY INT	Evaluate ESV
AVN	FAA 711309-007			303	0	18	50	55	GRANDFATHERED- PAULY INT	Evaluate ESV

The Step Column identifies the office responsible for results displayed in the corresponding row.
ORGN - Original Record, AVNREQ - Requesting Officer, FMO - Frequency Management Officer, FIF0 - Flight Inspection Field Officer.

REQ Signature: [JACOB POWERS](#) Routing Symbol:

For Contact Details click the above Hyperlink Date:

Remarks(FMO):
Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

FMO Signature: [MIKE BOWERS](#) Routing Symbol:

For Contact Details click the above Hyperlink Date:

Remarks(SFMO):
Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Super FMO Signature: [THOMAS CHRISTEIN](#) Routing Symbol:

Expanded Service Volume Management System

FIFO - Evaluate Data

Facility Data

*From: (originating Office):

Serial #:

Ref #:

*Chart Name:

City:

Frequency (M,K):

Facility Type:

State:

Select your action on this ESV. Fields will be active based on the action type selected.

*Action Type:

*Radial 1: Magnetic

*Radial 2: Magnetic

*Alt Minimum: MSL

*Alt Maximum: MSL

*Distance: NM

*Requirement:

Remarks(REQ):

REQ Signature: [JACOB POWERS](#) Routing Symbol:

For Contact Details click the above Hyperlink Date:

Remarks(FMO):
Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

FMO Signature: [MIKE BOWERS](#) Routing Symbol:

For Contact Details click the above Hyperlink Date:

Remarks(SFMO):
Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Super FMO Signature: [THOMAS CHRISTEIN](#) Routing Symbol:

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22.0. ESVMS Super Administrator Role

The Super Administrator role is provisioned the authority to administer, revise and manage key elements of the ESVMS system. The SA role can perform ESVMS user information updates, including Username and Passwords and modify the actions/records on the requester ESV applications.

The Super Administrator (SA) Role, the Dashboard Menu will provides the SA User access to the following unique operational functions

1. Admin ESV
2. User Administration
3. Session Tracking
4. Upload to AFM
5. Assign ESV
6. ESVMS Reports: ESV Statistics

22.1. Super Admin: Admin ESV

The Admin ESV function allow the SA to address given situations where special handling is required. For example: If an ESV is required to be modified or re-engineering by the FMO prior to scheduling the flight check, and/or the purpose and the requirement information documented on the ESV must

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be updated to better reflect the proposed use or the ESV supports additional procedures.

The ESV Search results show both the facility and ESV in the ESV format:

- FAA Serial Number
- ESV Reference Number
- Frequency
- FAA ID
- Chart Name
- Facility Type
- City
- State

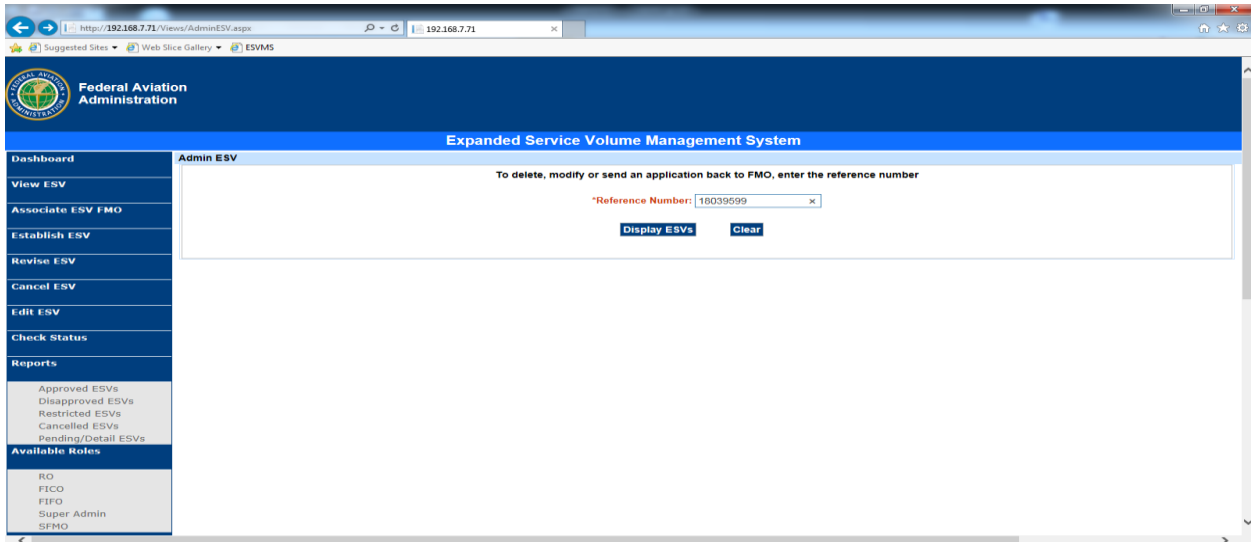
The existing ESVs on the facility is displayed with the following parameters:

- ESV reference Number
- ESV ID
- Q-Route
- Radial 1
- Radial 2
- Distance
- Alt. Min
- Alt. Max
- Requirement

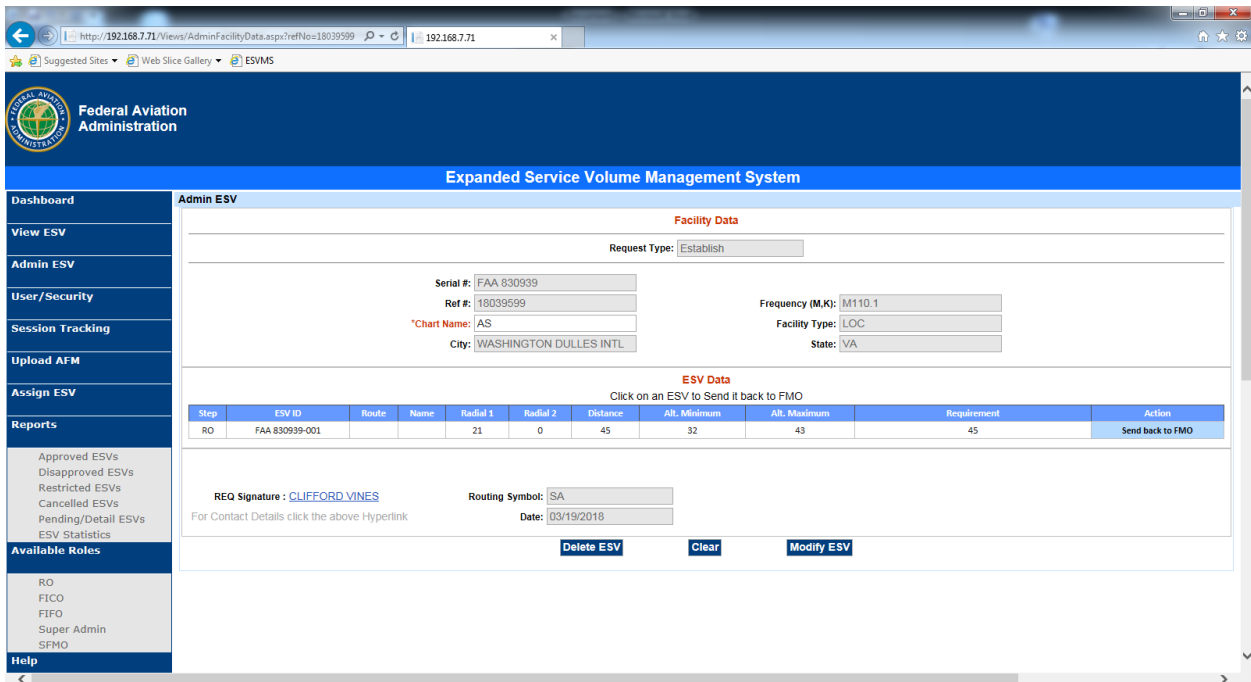
The form data allows the user to modify the ESV and “Send to FMO” to re-engineer as required.

Brief samples of this function are shown below:

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)



The 'Delete ESV' and 'Modify ESV' button will be displayed. Click delete ESV button to delete an ESV.



Select Modify ESV button and edit the Radial 1, Alt minimum and Alt. maximum and requirements fields click the 'Send back to FMO' button

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

Expanded Service Volume Management System

Modify ESV

Facility Data

Serial #: FAA 830939
 Ref #: 18039599
 *Chart Name: AS
 City: WASHINGTON DULLES INTL
 Q Route:

Frequency (M,K): M110.1
 Facility Type: LOC
 State: VA
 Fast Track:

Enter proposed ESV data in the active fields

*Radial 1: 21 *Magnetic: *Alt Minimum: 32 *Distance: 45 *Mile (MSL)
 Radial 2: *Magnetic: *Alt Maximum: 43 *Mile (MSL)
 *Requirement: 45
 Grandfathered:

Step	ESV ID	Route	Name	Radial 1	Radial 2	Distance	Alt. Minimum	Alt. Maximum	Requirement
RO	FAA 830939-001			21	0	45	32	43	45

Signature: [CLIFFORD VINES](#)
 Routing Symbol:
 Date: 4/12/2018

22.2. Super Admin: User Security

Click on 'User/Security'. The search page is displayed. Enter the user name and click search. The user details is displayed, modify the data and click submit button

Expanded Service Volume Management System

User/Security

Personnel Management

Lookup Existing Personnel: victor

USER NAME
HINTON,VICTOR
HINTON,VICTOR
boone,victor
Rabuck,Victoria
zembruski,victor
HINTON,VICTOR

Active: Locked:
 *Login ID: rabuckkv Middle Initial: W
 *First Name: Victoria *Last Name: Rabuck
 Title: *Program Office: AJW-3751
 *Phone #: (301) 713-2965 Fax #:
 *Email: smahali@faaseas.com *City: Silver Spring
 *State: MD

*Role: REQUESTING OFFICER AVN-160(FICO) AVN-160(FIFO) SUPER ADMIN SUPER FMO Guest

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

The Super Administrator (SA) is permitted to search for existing user accounts in the ESVMS database. The user database may be searched by first or last names.

Search text box labeled: Lookup Existing Personnel:

Upon entering the name to be searched, the results show the existing accounts in the format:
Account Name: Role(s):

The account name can be clicked to populate the details for that account.

The format is:

- *Last Name:
- *First Name:
- Middle Initial:
- *Login ID:
- *Password: (hidden)
- Title:
- *Program Office:
- *Phone #:
- Fax #:
- *Email:
- *City:
- State:

Account status checkboxes for: Active: Locked:

Account Roles: Requesting Officer: FICO: FIFO: Super Admin: SFMO: Guest:

The administrator is allowed to update any of the fields as appropriate.

The Action buttons are: "Submit" and "Clear"

For each Administrator submission, a successful conformation message will state: "Update was successfully"

22.3. Super Admin: Session Tracking

This Session Tracking function allows for the search of ESVMS Requesting Officer Users and their session login history. The search criteria for this function is:

- First Name:
- Last Name:

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

- Start Date:
- End Date:

The Action buttons are: Submit and Clear

Upon submission the session login history of the user is shown in a table format with headings:
Name:

- Start Date:
- End Date:
- Start Time:
- End Time: Duration:(minutes)

See the Session Tracking screen shots below:

Name	Start Date	Start Time	End Date	End Time	Duration(in minutes)
Victor hinton	03-26-2012	15:12:15	03-26-2012	15:33:45	22
Victor hinton	03-17-2010	09:40:13	03-17-2010	09:58:36	18
Victor hinton	03-17-2010	09:37:32	03-17-2010	09:37:45	0
Victor hinton	03-01-2010	16:03:42	03-01-2010	16:59:48	56
Victor hinton	03-01-2010	15:12:52	03-01-2010	15:42:06	29
Victor hinton	02-24-2010	14:01:05	02-24-2010	14:23:04	22
Victor hinton	02-24-2010	12:23:42	02-24-2010	12:46:43	23
Victor hinton	02-24-2010	11:31:57	02-24-2010	11:53:22	21
Victor hinton	02-22-2010	14:23:12	02-22-2010	14:48:10	25
Victor hinton	02-22-2010	14:18:53	02-22-2010	14:19:32	1

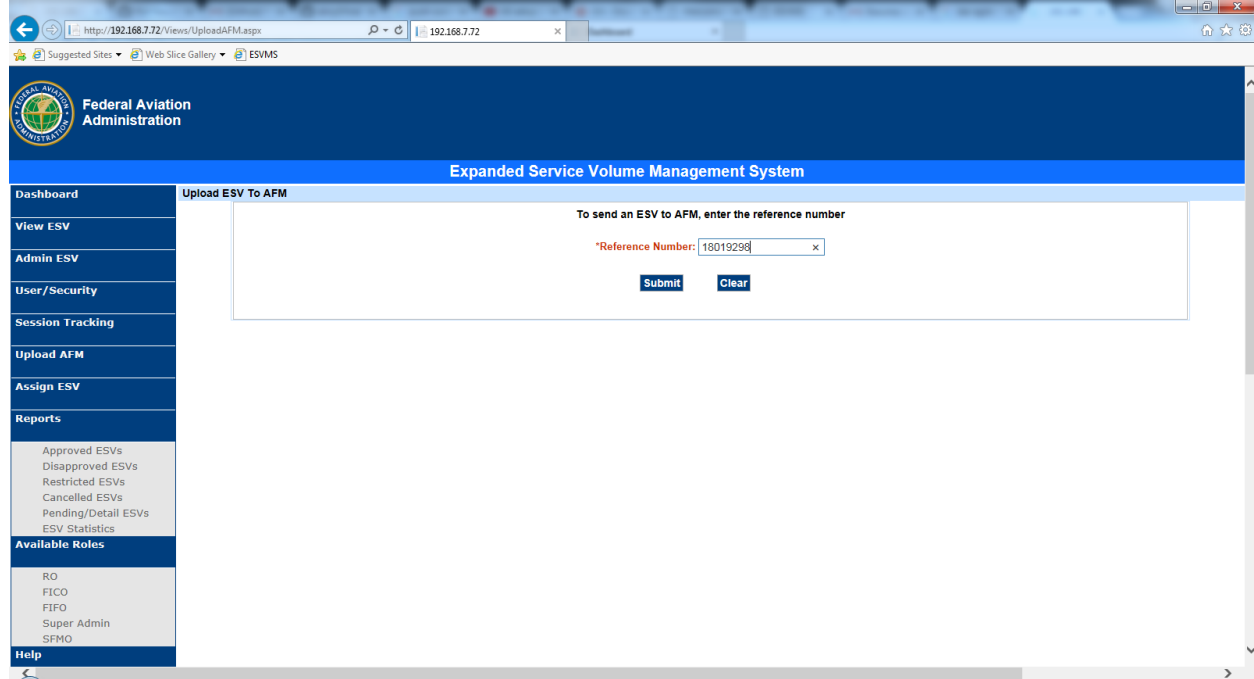
22.4. Super Admin: Upload AFM

On occasion, an ESV record may have been processed in ESVMS and is anticipated to not be available in the AFM database for FAA Spectrum access.

The “Upload to AFM” functionality requires the ESV be complete in the processing within the ESVMS system. The allowed search criteria is via the ESVMS Reference number. After entering the ESVMS Reference number, the action buttons allow the user to: Submit or Clear.

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

Sample screenshot for 'Upload AFM'.



22.5. Super Admin: Assign ESV

On occasion, a requester (RO) may begin the ESV establishment process and is re-assigned to another job function or goes on vacation prior to completing the process.

This function provides more accurately a "re-assignment" of an ESV from one ESVMS user to another. Typically, the ESVMS system allows a user to originate, submit, review the engineering, and track the ESV establishment process through to completion. Occasionally, it becomes necessary to re-assign to ESV tracking to another user.

This assign ESV function allows for the search of ESVMS Requesting Officer Users and the ESVs they are tracking. The search criteria for this function is:

- First Name:
- Last Name:
- ESV Reference Number:

The Action buttons are: Submit and Clear

The search results display the responsible user for the given ESV reference number. Or, if a user name is entered, a listing of the ESVs being tracked is shown.

The data format is:

- ESV ID:
- Owner's ID:

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

- Role:
- Reference #:
- Status:

The search screen and result for an ESV reference number is shown below:

Assign ESV

Search Criteria
Enter any or all search criteria to access records

First Name: Last Name:
Reference Number:

Assign ESV Data
Click on a record to view this ESV owner's information, and all the potential replacement for this owner.

ESV ID	Role	Reference Number	Status
FAA 697276-027	SFMO	13122440	SFMO APPROVE
FAA 697276-027	FMO	13122440	FMO APPROVE
FAA 697276-027	RO	13122440	SENT TO FMO
FAA 697276-027	FICO	13122440	SENT TO FIFO

shown below:

After selecting the ESV step from which to reassign the ESV the below screen shot shows the specifics of the ESV and “owner”, with a listing of candidate ESVMS personnel to which the ESV can be reassigned.

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

ESV Information:

ESV ID: FAA 697276-027
 Owner's Id: 602
 Admin Type: FICO
 Reference Number: 13122440
 Status: SENT TO FIFO

Click on the user to reassign the ESV

User ID	First Name	Last Name	User Login ID
1021	Clive	Bond	ccbond
1238	raji	dhanagar	rdhanagar
1229	Rebecca	Gurney	jeckybean
1008	Dennis	Hughes	dhughes
941	Michael	Lin	mlin
347	MARY	MCDONALD	michigan1
1056	Tester	OST	tester1
849	david	sining	sinningd

22.6. Super Admin: ESVMS Reports – ESV Statistics

The ESVMS system provides summary statistics for annual and quarterly processing of ESVs.

Historically, FAA regions were the geographical reference for Spectrum field operations, hence the legacy regions are currently the rows being define for the ESV statistics. The columns divisions are the ESVMS Operational Roles, such as RO, FMO, SFMO, FICO, FIFO and totals. The top table shows ESVs for two (2) radial ESVs such as Q-routes. The lower table provides the statistics on regular or one (1) radial ESVs.

The screen shot below shows sample top level statistics data for ESVs.

ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for Spectrum Engineering Services Organization (AJW-15)

Expanded Service Volume Management System

ESV Statistics on 4/12/2018
ESV Statistics by Quarter

First Quarter Second Quarter Third Quarter Fourth Quarter

Number of ESV Applications initiated in the last one Year: 1156

Number of QRouted ESV applications pending by region:

	RO	AVN	FMO	SFMO	FICO	FIFO	Total
AL	0	0	0	0	0	0	0
CE	0	0	0	0	0	10	10
EA	1	8	0	0	2	11	22
GL	0	1	0	0	47	48	49
NE	2	5	0	3	2	12	22
NM	1	8	0	1	68	78	82
SO	3	4	0	0	11	18	35
SW	2	13	0	1	12	28	56
WP	6	4	0	1	14	25	45

Number of Regular ESV applications pending by region:

	RO	AVN	FMO	SFMO	FICO	FIFO	Total
AL	1	2	0	2	22	27	32
CE	1	1	0	1	190	193	195
EA	3	34	0	4	230	271	538
GL	0	3	0	1	425	429	432
NE	2	8	0	4	6	20	30
NM	2	25	0	6	322	355	382
SO	4	12	4	2	334	356	376
SW	2	47	0	5	225	279	326
WP	6	4	0	1	14	25	45

Appendix 1: ESVMS Reports Sample and Fields Specification

The Generic Sample Format for ESVMS Reports is shown here below. Following this generic format, a conceptual summary of the fields in the report and the data types, character length, limits and the associated description is presented in a table to quantify the content of the report.

Then, several samples of the major report types are presented to document the column structure for reports for:

- Approved ESVs
- Disapproved ESVs
- Cancelled ESVs
- Pending ESVs
- Restricted ESVs

Generic Sample for ESV Reports:

Ident - LAX City - LOS ANGELES, CA			Frequency - 113.6-MHz			Facility - H-VOR		
Reference # - 12039707								
Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Super FMO	FAA 690799-024	234	0	197	260	450	03/20/2012	SFMO RESTRICT

Requirement : GRANDFATHERED: SADDE STAR, ELKEY INT.

Remarks: RESTRICTED. INADEQUATE COVERAGE AT ALT MIN FL=260 RULE/POLICY.
VOR SIGNAL STRENGTH(DBW) =

ESVMS Reports Field Descriptions and Specifications Table

Report Section	Field Description	Data type	Field Length	Data Limits	Comments
Header	FAA IDENT	Alpha-Numeric	4 Char	No Special Char	FAA ID
	City	Alpha	32 Char		Proper Name

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

Report Section	Field Description	Data type	Field Length	Data Limits	Comments
	State	Alpha	4 Char	State Code	International state codes
	Frequency	Numeric w/ alpha(MHz, KHz)	16 Char	Formatted	NNN – MHz, KHz NNN.NNN – /units
	Facility Type	Alpha	32 Char	FSEP Data & format	FSEP data
ESV Display Line	ESVMS Reference Number	Hyperlinked	8 Char	Numeric	Direct Link to ESV History Report
ESV Description	Role	Alpha-Numeric	16 Char		Step completed
	ESV_ID Number	Alpha-Numeric	32 Char		FAA Serial Plus ESV Sequence Number
	Radial 1	Numeric	3 Char	1 to 360	zero not used
	Radial 2	Numeric	3 Char	1 to 360	
	Distance	Numeric	3 Char	1 to 999	Typ. < 150
	Alt. Minimum	Numeric	3 Char	1 to 999	Typ. < 450
	Alt. Maximum	Numeric	3 Char	1 to 999	Typ. < 450
	Date	Numeric & Spec. Char	12 Char	Date Format	MM/DD/YYYY
	Status	Alpha	16 Char	Text	Role Action Taken.
	Requirement	Alpha-Numeric	160 Chars	Text	Implies definition or use of ESV
	Remarks	Alpha-Numeric	160 Chars	Text	Comments and notes from ESV analysis
Next ESV Step Completed	Begins above at Role				List shows all steps completed for the given ESV reference number
Next ESV Display	Begins at ESV Reference Number				List shows all ESV Reference numbers in selected report criteria

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

ESV Reports sample formats by report Type

Approved ESVs Report

Region - WP

Ident - FNP City - SAN FRANCISCO, CA Frequency - 1131-MHz Facility - DME

ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Fight Check Date
FAA 000595-007	101	0	20	60	70	08/18/2015

Requirement: 130130E FIX FATUS SFO LDA R28R 130131 APPROVED. FATUS LDA/DME RWY 28R KSFO. FC BY SCOTT THOMPSON VN167 N57 ON 08/18/2015

FAA 000595-008101		0	23	70	90	08/18/2015
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Requirement: 130130E FIX ANETE SFO LDA R28R 130131 APPROVED. ANETE LDA/DME RWY 28R KSFO. FC BY SCOTT THOMPSON VN167 N57 ON 08/18/2015

Ident - SJC City - SAN JOSE, CA Frequency - 1007-MHz Facility - DME

ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Fight Check Date
FAA 040355-002	126	0	30	40	120	

Requirement : 040820E ILS OR LOC/DME RWY 30L 040820 061202 AVN - 150

Ident BIHA City - BISHOP, CA Frequency - 989-MHz Facility - DME

ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Fight Check Date
FAA 060976-001	321	0	14	86	175	

Requirement: 080416E GRANDFATHERED: EBOBE, LDA DME RWY 16 AT KBIH, FC SAT 080416 Approved. 080509 AVN-150 ORIG, SAT THOMPSON, 3/27/08, N59

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Requestor	FAA 682838-006	78	0	50	80	175	07/11/2011	AVN TO FICO

Remarks: FOR FIX: LEBEC; ORIGINAL ESV WAS LIMITED TO 9000 MSL. Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FMO	FAA 682838-006	78	0	50	80	175	07/08/2011	FMO APPROVE

Remarks: FOR FIX: LEBEC; ORIGINAL ESV WAS LIMITED TO 9000 MSL. Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Requestor	FAA 682838-006	78	0	50	80	175	07/06/2011	SENT TO FMO

Requirement: FOR FIX: LEBEC; ORIGINAL ESV WAS LIMITED TO 9000 MSL.

**Cancelled ESVs Report
Region - SO**

Ident - COF City - PATRICK, FL Frequency - 1184-MHz Facility - NONE

Reference # - 18039580

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AF	811610-001	64	90	40	162	200	03/01/2018	CANCELLED ESV

Remarks: KCOF HI-ALT APCH. CANCEL NO HI-APPROACHES EXIST.

Ident - PAM City - TYNDALL, FL Frequency - 110.1-MHz Facility - NONE

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

Reference # - 17076484

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AF 987043-001	135	0	20	21	45	07/07/2017	CANCELLED ESV	

Remarks: CESBU FIX, ILS OR LOC RWY 31R, FC 9/18/13, DUPLICATE. MAG VAR/RWY CHG.

Ident - SRQ City - SARASOTA, FL Frequency - 117-MHz Facility - H-VOR

Reference # - 17066091

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FAA 070099-017	87	0	44	100	146	06/07/2017	CANCELLED ESV	

Remarks: DOWNN MINEE STAR. DUPLICATE. MIN ALT CHG.

Reference # - 17066087

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FAA 070099-021	356	0	52	26	60	06/07/2017	CANCELLED ESV	

Remarks: GEZZR HOLDING PATTERN, VOR/DME-B (KPIE). NO ESV REQUIRED FOR HOLDING.

Pending ESVs Report

Region - WP

Ident - SIA City - SAN FRANCISCO, CA Frequency - 108.9-MHz Facility - LOC

[Reference # - 18039620](#)

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
RequestorFAA 671012-004	14	0	18	45	60	03/08/2018	SENT TO FMO	

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

Requirement: GRANDFATHERED: BERKS ILS OR LOC RWY 19L KSFO.

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FICO	FAA 671012-004	14	0	18	45	60	03/14/2018	SENT TO FIFO

Remarks: GRANDFATHERED: BERKS ILS OR LOC RWY 19L KSFO.

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FMO	FAA 671012-004	14	0	18	45	60	03/13/2018	FMO APPROVE

Remarks: GRANDFATHERED: BERKS ILS OR LOC RWY 19L KSFO.GRANDFATHER RULE/POLICY. LOC SIGNAL STRENGTH(DBW) =

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Requestor	FAA 671012-004	14	0	18	45	60	03/14/2018	AVN TO FICO

Remarks: GRANDFATHERED: BERKS ILS OR LOC RWY 19L KSFO.APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Super FMO	FAA 671012-004	14	0	18	45	60	03/14/2018	SFMO APPROVE

Requirement: GRANDFATHERED: BERKS ILS OR LOC RWY 19L KSFO.APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.

Ident - LIN City - LINDEN, CA

Frequency - 114.8-MHz

Facility - H-VOR

[Reference # - 13058249](#)

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FICO	FAA 680308-027	343	0	56	120	175	03/18/2014	SENT TO FIFO

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

Remarks: FLUNK INT NEW ALT.

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Requestor	FAA 680308-027	343	0	56	120	175	05/02/2013	SENT TO FMO

Requirement : FLUNK INT NEW ALT.

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Super FMO	FAA 680308-027	343	0	56	120	175	05/02/2013	SFMO APPROVE

Requirement: FLUNK INT NEW ALT.APPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Requestor	FAA 680308-027	343	0	56	120	175	05/02/2013	AVN TO FICO

Remarks: FLUNK INT NEW ALT.APPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FMO	FAA 680308-027	343	0	56	120	175	05/02/2013	FMO APPROVE

Remarks: FLUNK INT NEW ALT.APPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

Region - WP

Ident - AHC City - AMEDEE AAF, CA

Frequency - 109-MHz

Facility - VOR

Reference # - 08029300

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Requestor	AR 776071-004	88	0	26	120	140	12/13/2004	SENT TO FMO

Requirement :

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FMO	AR 776071-004	88	0	26	120	140	12/13/2004	FMO APPROVE

Remarks:

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Super FMO	AR 776071-004	88	0	26	90	140	12/19/2006	SFMO RESTRICT

Requirement : RESTRICTED BY FLIGHT INSPECTION

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
AJW	AR 776071-004	88	0	26	97	140	09/04/2008	AJW APPROVE

Remarks:

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Requestor	AR 776071-004	88	0	26	90	140	12/19/2006	REQ to FICO

Requirement : RESTRICTED BY FLIGHT INSPECTION

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
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**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

FICO AR 776071-004 88 0 26 90 140 08/29/2008 SENT TO FIFO

Remarks:

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
FIFO	AR 776071-004	88	0	26	97	140	08/29/2008	FIFO RESTRICT

Requirement : FC SAT @9700, KOSCHEKA, N66, 4/12/2005

Role	ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Date	Status
Super FMO	AR 776071-004	88	0	26	90	140	12/19/2006	SFMO RESTRICT

Requirement : RESTRICTED BY FLIGHT INSPECTION

Appendix 2: ESVMS Details Report

The ESVMS Details Report contains the summarized history of the ESV processing process. The report shows the facility date on the ESV, followed by chronological steps and status of the ESV as it progresses through the establishment, engineering, and flight inspection steps. The dashboard and the ESV Reports listings and given search results typically display the ESV Reference number. The ESV Reference Number often will contain a hyper link to the ESV Details Report.

The content of the report is outlined below including an example.

The ESV Details Report contains:

- a. Originating Office
- b. Airspace Docket Number
- c. Request Type

Facility Data

- d. Chart Name
- e. City
- f. State
- g. FAA Ident
- h. Facility Type
- i. Frequency
- j. Reference Number

Expanded Service Volume Data: (Requesting Officer)

- k. ESV ID
- l. Radial 1
- m. Radial 2
- n. Distance
- o. Minimum Altitude
- p. Maximum Altitude
- q. Action Type
- r. Requirement

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

- s. Signature
- t. Routing Symbol

Date Expanded Service Volume Data: (FMO)

- u. ESV ID
- v. Radial 1
- w. Radial 2
- x. Distance
- y. Minimum Altitude
- z. Maximum Altitude
- aa. Action Type
- bb. Requirement
- cc. Signature
- dd. Routing Symbol
- ee. Date

Date Expanded Service Volume Data: (Super FMO)

- ff. ESV ID
- gg. Radial 1
- hh. Radial 2
- ii. Distance
- jj. Minimum Altitude
- kk. Maximum Altitude
- ll. Action Type
- mm. Requirement
- nn. Signature
- oo. Routing Symbol
- pp. Date

Date Expanded Service Volume Data: (FIFO)

- qq. ESV ID
- rr. Radial 1
- ss. Radial 2
- tt. Distance

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**

- uu. Minimum Altitude
- vv. Maximum Altitude
- ww. Action Type
- xx. Requirement/Remarks
- yy. Signature
- zz. Routing Symbol
- aaa. Date

A Sample of the ESV Details Report is shown below:

ESV Details

Originating Office :		Airspace Docket Number :		Request Type : Establish		
Facility Data						
Chart Name : VANDENBERG		City : VANDENBERG		Ident : VBG		State : CA
Type/Class : NONE		Frequency : M1146		Reference No.: 15048550		
Expanded Service Volume Data: (Requesting Officer)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	
AF 068719-002	122	0	45	180	220	
Requirement: HOLDING AT IAF SRIMP,HI-ILS OR LOC/DME RWY 30(KVVG)						
Signature: McMillan Terry				Routing Symbol: AJV-3510		Date: 04/02/2015
Expanded Service Volume Data: (FMO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
AF 068719-002	122	0	45	180	220	APPROVE
Requirement/Remarks: HOLDING AT IAF SRIMP,HI-ILS OR LOC/DME RWY 30(KVVG)APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.						
Signature: Hughes Dennis				Routing Symbol:		Date: 04/06/2015
Expanded Service Volume Data: (Super FMO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
AF 068719-002	122	0	45	180	220	APPROVE
Requirement/Remarks: HOLDING AT IAF SRIMP,HI-ILS OR LOC/DME RWY 30(KVVG)APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.						
Signature: Hughes Dennis				Routing Symbol:		Date: 04/06/2015
Expanded Service Volume Data: (FIFO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
AF 068719-002	122	0				
Requirement/Remarks:						
Signature:				Routing Symbol:		Date:

**ESVMS 12.0.0 for the FAA- Spectrum Engineering Automation System (SEAS) Support for
Spectrum Engineering Services Organization (AJW-15)**