

NMVS Portal User Guide for Local Organisations

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Revision History

* [Complete Revision History](#) can be found within the appendix.

Document Approval

Name	Role/ Title	Signature	Date	Meaning of Signature
David Joyce	Author	<i>Signature is documented in the PDF sign-off sheet for this presentation.</i>		I am signing to certify this document has been produced following the prescribed process and that it meets technical requirements.
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Portal User Guide for Local Organisations

Introduction

This User Guide provides guidance to Local Organisations (i.e. Pharmacies, Wholesalers, and Hospitals) on the usage of the National Medicines Verification System.

The examples used in the slides may present data specific to a Wholesaler account, or a Pharmacy account, but all processes and features are equally applicable to the above organisation types.

Prerequisites to the Registration Process

The following are required prior to a Local Organisation beginning the registration process.

- 1.The NMVO has agreed with the Local Organisation the Prime Contact and a set of Known Facts.
- 2.The NMVO has sent the Prime Contact of the Local Organisation a registration email.

Terminology

National Medicines Verification Organisation (NMVO)

The organisation set up by national stakeholders to manage the National System and medicine verification for that country

National Medicines Verification System (NMVS)

A system in the European Medicines Verification landscape that serves as the verification platform for one country. Local Organisations check a product's authenticity using a connection to this system

Local Organisations

The organisations required to use the NMVS to check a product's authenticity

Prime Contact

The first point of contact in the Local Organisation for the registration process

Known Facts

A pre-agreed set of challenge questions and answers used to verify identity during the registration process and known only to the NMVO and the NCA

Introduction to Users and Clients

Users

- A User of the system is a physical user, i.e. a person.
- A User interacts with the NMVS through the NMVS Administration Portal and the NMVS Emergency Verification Portal.
- A User requires an NMVS account to login to the Administration Portal and Emergency Verification Portal.
- A User account is associated to one or more User Roles that defines the permissions available to the user.
- User Roles are defined through the NMVS Administration Portal. User Roles may be provided the full permissions set, or a reduced permissions set.

Clients/Client Systems

- A Client of the NMVS is another IT system (i.e. a Wholesaler/Pharmacy/Hospital IT System).
- The Client System interacts with the NMVS through a technical interface and is issued with Client System Credentials.
- The Client System Credentials used by Client Systems always provide the Client System with a Role that has the full permissions set according to their organisation type (e.g. an organisation of type Pharmacy does not have the permission to decommission a pack as Exported, Stolen, Free Sample or Locked, while an organisation of type Wholesaler does have it).
- It is not possible to modify the permission set for a Client System through the Portal.

Logging in as the local organisation user

User Account - Login to the Portal

The image shows the login interface for the National Medicines Verification System. The main page has a blue header with the title 'National Medicines Verification System'. Below it, a dark blue box contains the text 'Authorised Users Only'. The login form includes a 'User Name' field with the text 'wholesalersuperuser@example.com', a 'Password' field with masked characters and a 'Show Password' button, and a blue 'Sign In' button. Below the form are two lines of text: 'If you have forgotten your User Name, please contact a User Administrator in your Organisation.' and 'If you have forgotten your password, please use the following link and carefully follow the instructions: [Password Reset](#)'. A dropdown menu is open, showing a list of email addresses with a 'Show Password' button next to each. A modal window titled 'Medicines Verification Administration Portal' is overlaid on the bottom left, showing a 'Forgot Password' section with an 'Email' input field and a 'Send' button. Blue arrows point from the numbered list on the right to various elements in the screenshot.

1. Enter User Name and password in the login screen (the user name is the email address).
2. Auto-complete feature is turned on/off depending on the market. Please contact your NMVO for more details.
Note: The auto-complete feature supports strong passwords. Disabling this feature may lead to weaker passwords and a potential compromise of an account.
3. Show password button can be clicked to display password as text instead of dots.
4. Click 'Sign In'.
5. After clicking 'Sign In' the Authorisation Code challenge screen will be presented.
6. If the User has forgotten their password, or wants to reset it, then select the 'Password Reset' link.
7. User can enter the 'User Name' i.e. relevant email address and select 'Send'. An email will be sent to the specified email address to reset their password, if the email is registered as a user of the system.

User Account - Two Factor Authentication

Terminology

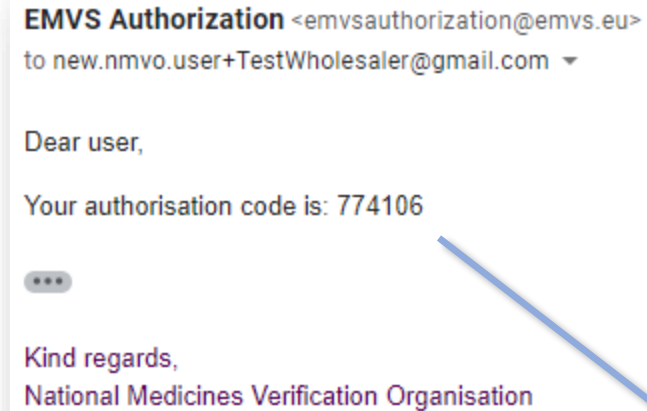
Two Factor Authentication

For improved security of the NMVS portal, Two Factor Authentication is employed in the login process.

Two Factor Authentication requires an Authorisation Code to be entered in addition to the user password.

The Authorisation Code is sent to the email address of the registered user.

The Two Factor Authentication step applies to all login attempts for all users.



EMVS Authorization <emvsauthorization@emvs.eu>
to new.nmvo.user+TestWholesaler@gmail.com ▾

Dear user,

Your authorisation code is: 774106

...

Kind regards,
National Medicines Verification Organisation

National Medicines Verification System

Authorised Users Only

Please enter your Authorisation Code

An access code has been sent to your registered email address. The code must be used within the next 5 minutes. If you haven't received an email or the code expired, click the link to receive a new code. [Send new code](#)

Code

1. Enter the Authorisation Code from the email into the Code field.
2. Note that the Authorisation Code expires within 5 minutes of being sent to the registered user's email address.
3. Click 'Continue' to progress to the Portal.
4. To return to the Login screen, click 'Start Again'.

User Account - Home Screen

Upon successful login to the portal, the *Home* screen is presented.

The *Users* page provides access to the *User Management* features.

The *Locations* page provides access to *Location Management* features.

The *Reports* page provides access to *Report Request & Management* features.

The **User Roles** page allows the user to manage the authorisation roles of the organisation.

The *Client Roles* page provides access to *Location Management* features.

The **Client Credentials** page allows management of organisational credentials and their secrets

IT Supplier Qualification page to manage Test Books (subject to permissions)

The *Change Password* page allows the password to be changed.

The *Help and Advice* page points to the local NMVO website.

Clicking 'Logout' will logout the current user.

The current page is displayed here.

The screenshot shows the 'Home' page of the 'Medicines Verification Administration Portal'. The page features a left-hand navigation menu with the following items: Home, Users, Locations, Reports, User Roles, Client Roles, Client Credentials, IT Supplier Qualification, Change Password, Help and Advice, and Logout. The main content area is divided into two columns. The left column contains a 'CHANGE YOUR PASSWORD' section with a 'Change Password' button. The right column contains a 'HELP AND ADVICE' section with a 'Help' button. Annotations with arrows point from the text on the left to the corresponding menu items and buttons. A yellow highlight is present on the 'Client Credentials' menu item and its corresponding text description.

This button presents the *Change Password* page

This button links to the local NMVO website

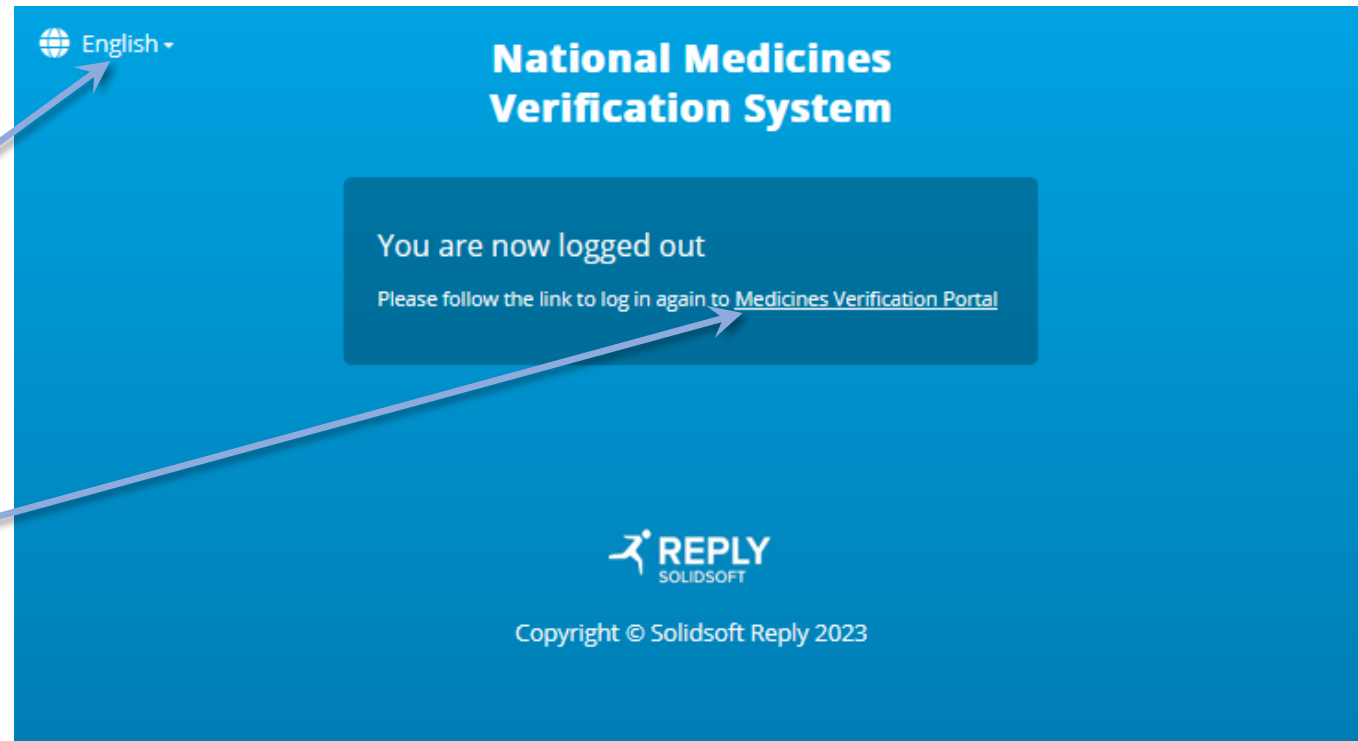
NOTE: The Users, Locations, **Client Roles, User Roles, and Client Credentials** entries of the menu will be available to the user only if their role has the permission to manage users, locations or authorisation roles.

Logout Screen

This is the logout screen. It will be presented to the user on logging out of the system.

Note the language dropdown (defaulted to "English"). This dropdown is also present on the login screen and allows the user to specify in which language they prefer to use the system.

To return to the login screen, click the link indicated - "Medicines Verification Portal".



Timeout Session Screen

This is the screen that is presented when there has been no activity, by the currently logged in user, for a defined (configurable) period of time, usually 30 minutes.

By clicking on the link indicated and re-logging in, the user will be returned to the page and part of the system that they were on when the session expired.



Locked Out Screen

This is the screen that is presented after too many failed login attempts - the Locked Out screen. An Admin user is required to unlock the user.

National Medicines Verification System

Locked out

This account has been locked out, please contact your system administrator!



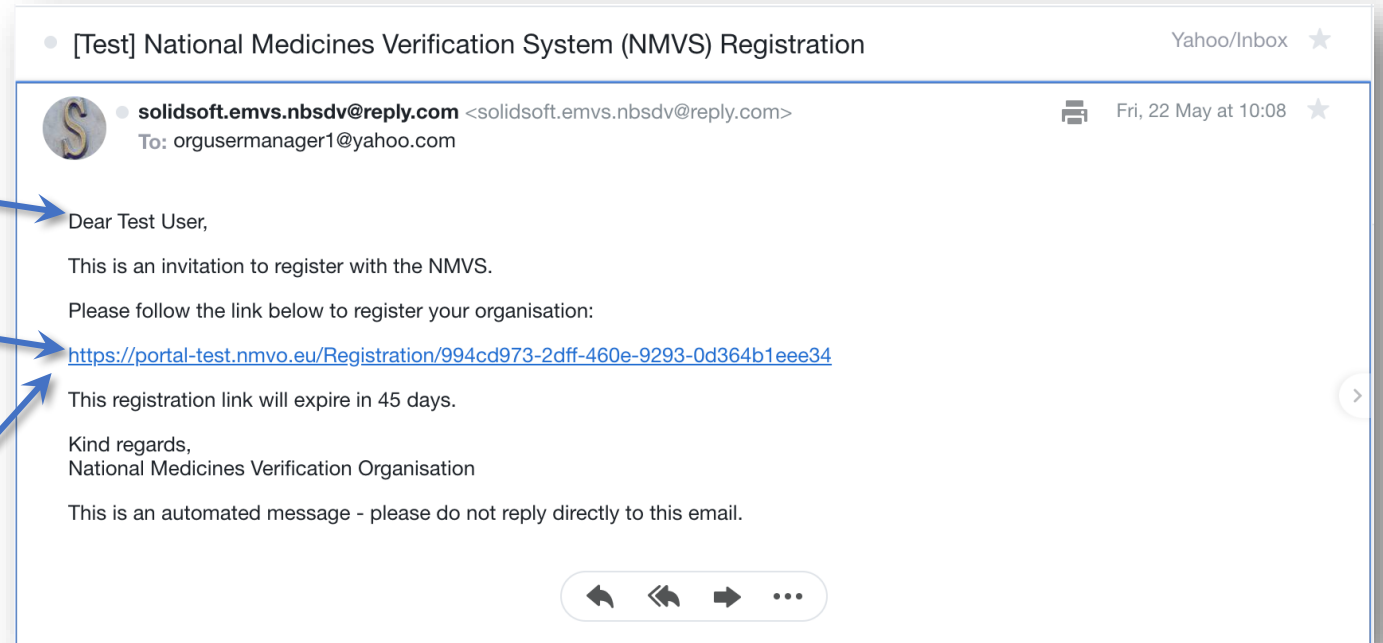
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Local Organisation Registration

Local Organisation Registration - Email Invitation

1. The NMVO initiates the Local Organisation registration process through its NMVO Portal.
2. As part of that process, the NMVO will send the Prime Contact of the Local Organisation a registration email inviting them to register.
3. Upon receipt of the registration email, click the link in the registration email (or copy and paste the URL into the browser address bar).
4. Note: Please check your spam/junk email folder if you are expecting the mail but it does not appear in your inbox.
5. Note: The URL in the email will be unique to the associated registration. The validity period is stated in the email. If registration is not completed within the time frame, contact the local NMVO.



Local Organisation Registration - Known Facts Challenge Screen

1. Once the registration link has been opened in a web browser, the Known Facts challenge screen is presented (example screen shown to the right).
2. During the NMVO/Local Organisation engagement process, the Local Organisation will have agreed (or been provided) a set of questions and answers up to a maximum of 5 (the 'Known Facts').
3. The Prime Contact is required to input the agreed answers to all challenge questions in the text boxes:
 1. Example Challenge Question 1 (Registration Num)
 2. Example Answer 1 (12345678)
 3. Example Challenge Question 2 (License Num)
 4. Example Answer 2 (87654321)
4. When all answers have been supplied, click 'Next' to setup the initial Super User account.
5. The User name and Email are auto populated.
6. Enter the new password and confirm the new password.
7. Click complete to finish the registration process.
8. Once completed, a message detailing that the registration was successful will appear.

National Medicines Verification System

Hello, Sample Org

Please answer the known facts of your organisation.

All known facts are case sensitive, please ensure they are correct.

* Registration Num
12345678

* License Num
87654321

Next

Terminology

Super User

A user in the super user role, that grants them the full set of permissions for their type of organisation. The first user created during the registration process will be a super user.

It should be noted that the Super User role is immutable, i.e. it cannot change and will persist. It is recommended to use an email account specifically set up with this in mind.

National Medicines Verification System

Register Organisation - Step 2

User Name Test User

Email orgusermanager1@yahoo.com

New Password

Confirm Password

Note that your password must be at least 8 characters with at least 1 character from the following types:

- Uppercase characters
- Lowercase characters
- Digits and Non alphanumeric characters (!\$%&=+@#.-_)

Complete

National Medicines Verification System

Your registration was successful.

Your registration is confirmed. Follow the link and use your details to sign into the NMVO Dev Name Administration Portal.

Login to Medicines Verification Portal

User Management

User Management - Main (1)

The User Management functions are found on the 'Users' page.



Home

Users

Locations

Re...

U...

Client Credentials

IT Supplier Qualification

Change Password

Help and Advice

Logout

User Name	Prime Cont...	Super User	Account Sta...	Loc...	Location Name	User Roles	Creation ...	Last Authorised A...	Last Auth. Attemp...	Created By	Crea...	Actions
nmvs.ssr+locked@g...	×	✓	Locked			Pharmacy Super User	09/08/2024	09/08/2024 08:08:...	● 09/08/2024 08:09:	pharmacysuper...	Org...	[Icons]
nmvs.ssr+onboardin...	×	×	Onboarding	8c950d	Test Location 1	Pharmacy Administrator	09/08/2024			pharmacysuper...	Org...	[Icons]
nmvs.ssr+suspended...	×	×	Suspended	8c950d	Test Location 1	Pharmacist User	09/08/2024	09/08/2024 08:09:...	● 09/08/2024 08:09:	pharmacysuper...	Org...	[Icons]
pharmacist@exampl...	×	×	Active			Pharmacist User	08/08/2024			test data script	Org...	[Icons]
pharmacyadmin@ex...	×	×	Active			Pharmacy Administrator	08/08/2024			test data script	Org...	[Icons]
pharmacysuperuser...	✓	✓	Active			Pharmacy Super User	08/08/2024	09/08/2024 08:02:...	● 09/08/2024 08:02:	NMVO User	NMVO	[Icons]

Click 'Create' to begin the process of creating a new user

Export user data, only for the organisation that the logged in user is part of. Two formats, Excel or CSV

Last Authentication Attempt shows most recent authentication attempt and the outcome – red = failed; green = successful

Columns can be shown / hidden by (de)selecting the checkboxes

'Creation Date' indicates the date of when the user was created by the organisation's user administrator.

- Unselect All
- User Name
 - Prime Contact
 - Super User
 - Account Status
 - Location Id
 - Location Name
 - User Roles
 - Creation Date
 - Last Authorised Access (UTC)
 - Last Authentication Outcome And Timestamp (UTC)
 - Created By
 - Created By Organisation
 - Actions

Row records can be filtered

The columns are sortable. Click a heading to sort or toggle direction.

Indicates that user has the Super User role.

Clicking ⓘ icon provides list of permissions on the particular role

Last Authorised Access shows timestamp of most recent access to portal or EVA

Actions are described in a later slide

The 'User Name' field displays each user's email address/user name. The prime contact user will have their name displayed in parenthesis.

The Prime Contact indicates the Super user who can be contacted by NMVO.

The account status can be one of the following values:

"Page next", "page previous" and Up/Down page controls can be used to scroll through list of users (depending on number of records)

















- Active
- Locked
- Onboarding
- Suspended
- Suspended by NMVO
- Suspended by NMVO (Locked)
- Suspended by NMVO (Onboarding)
- Suspended by NMVO (Suspended)
- Suspended for inactivity
- Suspended for inactivity (Locked)

Note: The user accounts listed in the following slides are generic user accounts and do not map to the accounts made in the previous slides.



User Management - Main (2)

The 'Actions' field contains icons to represent the various actions that can be performed on a user account.

Users												
Create			Export CSV			Export Excel						All ▾
User Name	Prime Cont...	Super User	Account Sta...	Loc...	Location Name	User Roles	Creation ...	Last Authorised A...	Last Auth. Attemp...	Created By	Crea...	Actions
	All ▾	All ▾	All ▾						All ▾		All ▾	
nmvs.ssr+locked@g...	✗	✓	Locked			Pharmacy Super User ⓘ	09/08/2024	09/08/2024 08:08:...	● 09/08/2024 08:09:	pharmacysuper...	Org...	  
nmvs.ssr+onboardin...	✗	✗	Onboarding	8c950d	Test Location 1	Pharmacy Administrator ⓘ	09/08/2024			pharmacysuper...	Org...	  
nmvs.ssr+suspended...	✗	✗	Suspended	8c950d	Test Location 1	Pharmacist User ⓘ	09/08/2024	09/08/2024 08:09:...	● 09/08/2024 08:09:	pharmacysuper...	Org...	  
pharmacist@exampl...	✗	✗	Active			Pharmacist User ⓘ	08/08/2024			test data script	Org...	  
pharmacyadmin@ex...	✗	✗	Active			Pharmacy Administrator ⓘ	08/08/2024			test data script	Org...	  
pharmacysuperuser...	✓	✓	Active			Pharmacy Super User ⓘ	08/08/2024	09/08/2024 08:02:...	● 09/08/2024 08:02:	NMVO User	NMVO	



Edit a user

Change the user's role(s) or their default location. If the user is the prime contact, first and last name can be amended.



Delete a user

Permanent deletion of a user. The account is not recoverable.



Unlock a user

The answer for when a user has locked their account after too many failed login attempts (after 5 attempts).



Suspend a user

Suspension disables a user from being able to login to the Administration Portal or the Emergency Verification Application.



Reinstate a user

Reinstates a user following a suspension, enabling them to login to the Portals again.



Reassign Prime contact

Reassigns an organization prime contact from one super user to another super user.



Resend Invitation Email

Resends the invitation email to the user for activating their account.



Force Password Reset

To force the affected user to choose a new password on the next login.

User Management - Create User (1)

Fields marked with a red asterisk * are mandatory

1. Enter the email address of the new user.
2. User can optionally specify the location that will be automatically assigned to the new user when accessing the EVA portal.
3. The User Role must first be defined (through the **User Roles** page) for the new user account being created.

The possible User Roles are listed in the 'User Roles' box.

Select the user's role(s). It is possible to assign multiple roles to a single user.
4. In this example a new user is created with both the 'Pharmacist User' and 'Pharmacy Administrator' user roles.
5. Click the 'Create' button.
6. An invitation email is sent to the new user to begin the registration process.

Create User

* Email nmvs.ssr+suspended@gmail.com

User Location Test Location 1 x

* User Roles Pharmacist User x Pharmacy Administrator x

Pharmacist User: Allows the user to perform transactions using the Emergency Verification Portal

Pharmacy Administrator: Allows the user to manage users, locations, and clients for the organisation

Create Close

Pharmacist User

- Packs - MarkAsDestroyed: Allows the actor to mark a pack or packs as destroyed
- Packs - MarkAsSample: Allows the actor to mark a pack or packs as sample
- Packs - MarkAsSupplied: Allows the actor to mark a pack or packs as supplied

Close

Pharmacy Administrator


















- Client Roles - Control: Allows the actor to create, update and delete roles for their client credentials
- Equipment - Control: Allows the actor to create, update and delete client equipment within their organisation
- Locations - Control: Allows the actor to create and update locations within their organisation
- Qualification Testing - Control: Allows the actor to view and manage IT Supplier Qualification within the NMVS Administration Portal
- Users - Control: Allows the actor to create, update and delete users within their organisation

Close

User Management - Create User (2)

Users

Create Export CSV Export Excel All

User Name	Prime Cont...	Super User	Account Sta...	Loc...	Location Name	User Roles	Creation ...	Last Authorised A...	Last Auth. Attempt...	Created By	Crea...	Actions
	All	All	All						All		All	
nmvs.ssr+locked@g...	×	✓	Locked			Pharmacy Super User	09/08/2024	09/08/2024 08:08:...	● 09/08/2024 08:09:	pharmacysuper...	Org...	  
nmvs.ssr+onboardin...	×	×	Onboarding	8c950d	Test Location 1	Pharmacy Administrator	09/08/2024			pharmacysuper...	Org...	  
nmvs.ssr+suspended...	×	×	Suspended	8c950d	Test Location 1	Pharmacist User	09/08/2024	09/08/2024 08:09:...	● 09/08/2024 08:09:	pharmacysuper...	Org...	   
pharmacist@exampl...	×	×	Active			Pharmacist User	08/08/2024			test data script	Org...	  
pharmacyadmin@ex...	×	×	Active			Pharmacy Administrator	08/08/2024			test data script	Org...	  
pharmacysuperuser...	✓	✓	Active			Pharmacy Super User	08/08/2024	09/08/2024 08:02:...	● 09/08/2024 08:02:	NMVO User	NMVO	

When a user is successfully created a new entry is listed in the 'Users' table.

Initially the user will be in the 'Onboarding' state, as shown in the 'Account Status' field.

This will change to 'Active' when the user has completed the registration process.

User Management - Edit User



1. To edit a user select the pencil icon in the row of the table for the user you wish to edit.

NOTE: When updating a prime contact user the First and Last Name are also displayed. The name will also be visible to the NMVO to assist in contact.

The screenshot shows the 'Edit' user form with the following fields and annotations:

- Email:** nmvs,ssr+locked@gmail.com. Annotation: 2. The User Name cannot be changed.
- User Location:** All Locations. Annotation: 3. The default location can be changed.
- User Roles:** Pharmacy Super User. Description: Pharmacy Super User: Grants the user the full set of permissions. Annotation: 4. User Roles may be selected or deselected. When selected a description of the role is displayed below (if a description has been created).
- Buttons:** Update and Close. Annotation: 5. Click 'Update' to finalise the changes.

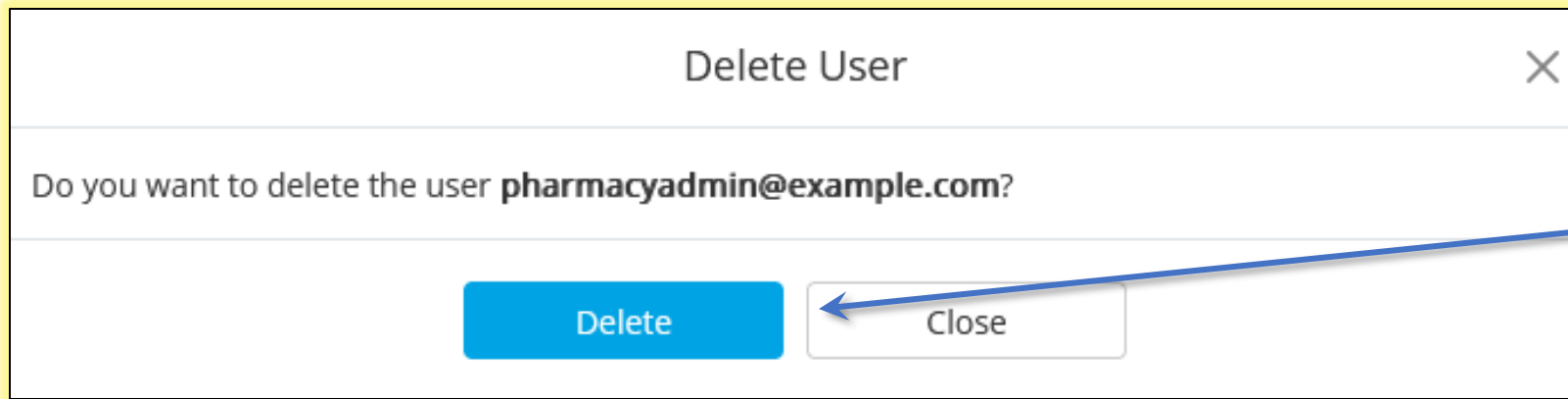
The screenshot shows the 'Edit' user form with the following fields and annotations:

- Email:** pharmasuperuser@example.com
- * First Name:** Super. Annotation: 1. To edit a user select the pencil icon in the row of the table for the user you wish to edit.
- * Last Name:** User. Annotation: 1. To edit a user select the pencil icon in the row of the table for the user you wish to edit.
- * User Roles:** Pharmacy Super User. Description: Pharmacy Super User: Grants the user the full set of permissions.
- Buttons:** Update and Close.

User Management - Delete User



1. To permanently delete a User, select the bin icon in the row of the table for the user you wish to delete.
2. Note: The account is not recoverable.

A screenshot of a 'Delete User' dialog box. The title bar reads 'Delete User' with a close button (X) on the right. The main text asks, 'Do you want to delete the user **pharmacyadmin@example.com**?'. At the bottom, there are two buttons: a blue 'Delete' button and a white 'Close' button with a grey border. A blue arrow points from the 'Close' button to the right, and another blue arrow points from below towards the 'Delete' button.

3. Check the User Name is correct for the account you want to delete.

4. Click 'Delete' to delete the user.

User Management - Unlock User



1. To unlock a user (following account suspension due to too many failed login attempts), select the open padlock icon in the row of the table for the user you wish to unlock.

A screenshot of a web application dialog box titled "Unlock User" with a close button (X) in the top right corner. The main text asks, "Do you want to unlock the user nmvs.ssr+locked@gmail.com?". At the bottom, there are two buttons: a blue "Unlock" button and a white "Close" button with a grey border. A blue arrow points from the "Unlock" button to the right, and another blue arrow points from the bottom of the dialog box upwards.

2. Check the User Name is correct for the account you want to unlock.

3. Click 'Unlock' to unlock the user

User Management - Suspend User



1. To suspend a user and disable their account from accessing the Administration Portal or the Emergency Verification Application, select the stop icon in the row of the table for the user you wish to suspend.

Suspend User ×

Do you want to suspend the user **pharmacist@example.com**?

2. Check the User Name is correct for the account you want to suspend

3. Click 'Suspend' to suspend the user

User Management - Reinstate User



1. To reinstate a user (following account suspension), select the tick icon in the row of the table for the user you wish to reinstate.

Reinstate User ✕

Do you want to reinstate the user **nmvs.ssr+suspended@gmail.com**?

2. Check the User Name is correct for the account you want to reinstate

3. Click 'Reinstate' to reinstate the user

User Management - Reassign Prime Contact

The Super user can reassign an organisation's prime contact from one Super User to another Super User. Only superusers with no associated locations can become the prime contact.

The 'Prime Contact' icon will be shown in action list for the other super user who can be made as 'Prime Contact' for the Organisation.



On selection of the given 'Prime Contact' icon, it will present a popup where the user can enter the relevant 'First Name' and 'Last Name' for the new Prime Contact.

Users

Create Export CSV Export Excel

User Name	Prime Cont...	Super User	Account Sta...	Loc...	Location Name	User Roles	Creation ...	Last Authorised A...	Last Auth. Attemp...	Created By	Cre...	Actions
nmvs.ssr+locked@g...	✗	✓	Locked			Pharmacy Super User	09/08/2024	09/08/2024 08:08:...	09/08/2024 08:09:...	pharmacysuper...	Org...	
nmvs.ssr+onboardin...	✗	✗	Onboarding	8c950d	Test Location 1	Pharmacy Administrator	09/08/2024			pharmacysuper...	Org...	
nmvs.ssr+suspended...	✗	✗	Suspended	8c950d	Test Location 1	Pharmacist User	09/08/2024	09/08/2024 08:09:...	09/08/2024 08:09:...	pharmacysuper...	Org...	
pharmacist@exampl...	✗	✗	Active			Pharmacist User	08/08/2024			test data scpt...	Org...	
pharmacyadmin@ex...	✗	✗	Active			Pharmacy Administrator	08/08/2024			test data sc...	Org...	
pharmacysuperuser...	✓	✓	Active			Pharmacy Super User	08/08/2024	09/08/2024 08:02:...	09/08/2024 08:02:...	NMVO User	Org...	

'Prime Contact' has been updated and the name of the user is included in parenthesis.

Prime Contact User Details

Email: nmvs.ssr+suspended@gmail.com

* First Name: Gamma

* Last Name: November

You are reassigning your organisation Prime Contact. Are you sure you wish to change this? This will not remove their super user account.

Assign Close

Users

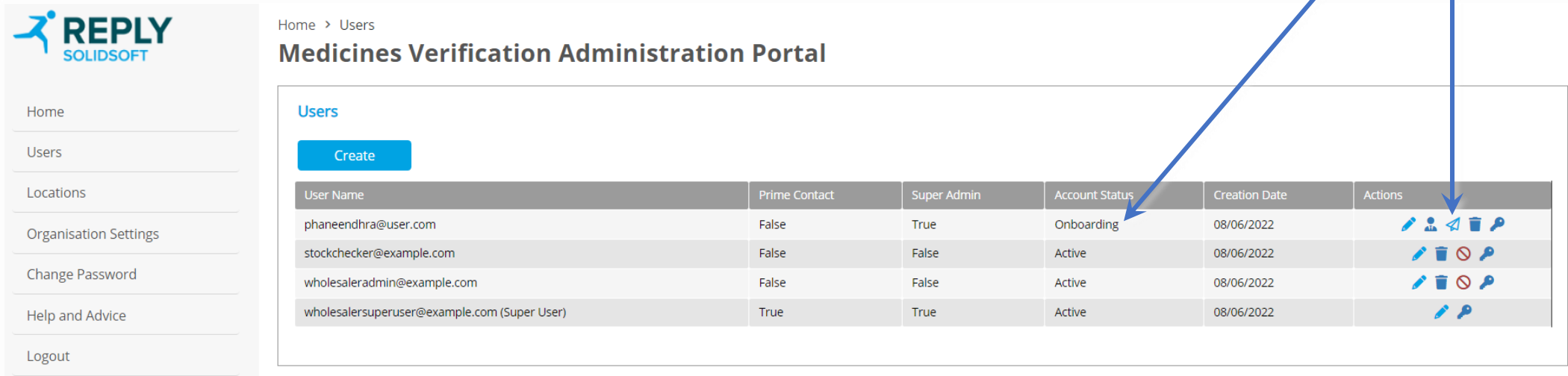
Create Export CSV Export Excel

User Name	Prime Cont...	Super User	Account Sta...	Loc...	Location Name	User Roles	Creation Da...	Last Authorised ...	Last Auth. Attemp...	Created By	Cre...	Actions
nmvs.ssr+locked@gmail.com	✗	✓	Locked			Pharmacy Super User	09/08/2024	09/08/2024 08:08:...	09/08/2024 13:19:5...	pharmacysuper...	Org...	
nmvs.ssr+onboarding@gmail.com	✗	✗	Onboarding	8c950d	T	Pharmacy Administrator	09/08/2024			pharmacysuper...	Org...	
nmvs.ssr+suspended@gmail.com	✗	✗	Suspended	8c950d	T	Pharmacist User	09/08/2024	09/08/2024 08:09:...	09/08/2024 08:09:5...	pharmacysuper...	Org...	
pharmacist@example.com	✗	✗	Active			Pharmacist User	08/08/2024			test data sc...	Org...	
pharmacyadmin@example.com	✗	✗	Active			Pharmacy Administrator	08/08/2024			test data sc...	Org...	
pharmacysuperuser@example.com (Super User)	✓	✓	Active			Pharmacy Super User	08/08/2024	09/08/2024 12:45:...	09/08/2024 12:45:41	NMVO User	Org...	

User Management – Resend Invitation Email

Note: At initial creation of a user, an email is sent to the new user to complete their registration. If somehow this email is lost, the resend invitation email button is available to help with the process.

The “Resend Invitation Email” icon will be shown in the action list for any users with an account status as “Onboarding”.



Home > Users

Medicines Verification Administration Portal

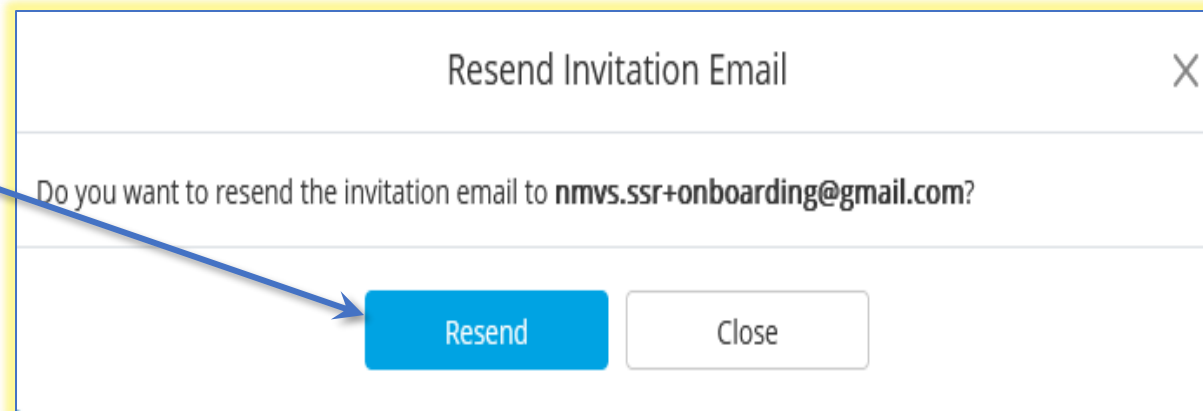
Users

Create

User Name	Prime Contact	Super Admin	Account Status	Creation Date	Actions
phaneendhra@user.com	False	True	Onboarding	08/06/2022	
stockchecker@example.com	False	False	Active	08/06/2022	
wholesaleradmin@example.com	False	False	Active	08/06/2022	
wholesalersuperuser@example.com (Super User)	True	True	Active	08/06/2022	



On selection of the given ‘Resend Invitation Email’ icon, it will present a popup where the user can click the “Resend” button to resend the invitation email to complete the registration.



Resend Invitation Email

Do you want to resend the invitation email to `nmvs.ssr+onboarding@gmail.com`?

Resend Close

User Management – Force Password Reset



1. To force password reset a user, select the key icon in the row of the table for the user you wish to password reset.

Force Password Change ×

Do you want to force user `pharmacyadmin@example.com` to change their password?

2. Check the User Name is correct for the account you want to reset password

3. Click 'Force' to reset the user password

Location Management

Location Management - Main

Access Locations from the home page by clicking on 'Locations' tab



Home > Locations Medicines Verification Administration Portal

Locations

Create

The 'Show Locations with Proposed Changes Only' checkbox will only be displayed IF there are locations with pending changes (from the NMVO). Any location with pending changes will be listed in bold in the table.

Additional location information that confirms legitimacy of end-user location, such as SPOR OMS LOC ID (wholesale dealer) or licence number (wholesaler, pharmacy), or EudraGMDP information.

- Location Id
- Location Name
- Address
- Status
- Legitimacy Information
- Number of equipment
- Actions

Following columns can be displayed / hidden by clicking the 'All' button and selecting / deselecting individual columns

Show Locations With Proposed Changes Only

All ▾

Columns are sortable

Locations

Columns can be filtered

Location Id	Location Name	Address	Status	Legitimacy Information	# Equipment	Actions
17e19e1b-26a1-4ae6-9ed7-6ee213b144f3	Location 4	Via Salette, 24, Sperlonga, 04029 LT	Suspended	ABC12345	0	
2c9e545b-5743-4cfe-b838-28790e295cc4	Location 2	Via Posillipo, 68 mare, Napoli, 80123 NA	Active	ABC12345	0	
51a8a370-760d-497a-90df-674369ac910f	Location 1	Vico Ferrovia, 17/18, Napoli, 80142 NA	Active	ABC12345	2	
b1f5560e-f0d2-43d7-81c8-dfb7ce61502a	Location 3	Via Mariano Mandolesi, Gaeta, 04024 LT	Pending	ABC12345		
fbdc560d-a6c8-4aee-9980-5582f02b7ed3	Location 5	Via Pontina, km 14, 500, Terracina, LT 04019	Suspended by NMVO	ABC12345	0	

Locations can be suspended by the local Organisation or by the NMVO. To reinstate the location click the recycle arrow icon (further instructions on later slides). When a location is suspended by the NMVO this will be indicated in the location status.

- Edit location. Clicking on this icon opens the Locations details page where the address of the location can be edited, also client equipment can be managed (more details in later slides)
- Delete location - Clicking opens a dialog to confirm deletion.
- Suspend location – clicking this opens a dialog to confirm suspending a location
- Reactivate location – clicking this opens a dialog to confirm reactivating a suspended location
- Review Proposed Changes – when the NMVO makes changes to a location, the Prime Contact is notified of the proposed changes, and an authorised end-user of the local organisation must approve or reject the changes.

Each Local Organisation will have at least one Location at which pack operations are performed.

Each Location shall be defined in accordance with the following steps.

The outcome of this process is the generation of Client System Credentials, which are required to be implemented in the Client Systems by the Local Organisation's IT Supplier.



Location Management - Add Locations

1. To begin the process of adding a location, click 'Create' button. The 'Add Location' dialog will appear.

2. Enter details (address) of the new location in the popup dialog. Fields with a red asterisk * are mandatory

Legitimacy Information field is shown here because field ownership is configured at Local Organisation level. If Legitimacy information ownership is set to NMVO level the field will not be shown at all. Whether field is mandatory or not is also a system configuration

Location Name: The geographic location where pack operations will be performed.

Address: The physical address of the location where pack operations will be performed.

City: The city in which pack operations will be performed.

Postal Code: The postal code of the location at which operations will be performed. The postal code must be provided.

The Country Code field only appears for systems in Switzerland or Lichtenstein

Legitimacy information confirms that location is valid.

Hovering over the Information icon beside 'Legitimacy Information' label will display a prompt to enter valid verification details

3. Click 'Create' to add the new location. The dialog will be dismissed and user returned to main Locations page.

4. A toast message will be briefly displayed.

The location 'Location 6' has been successfully created.

Newly added location will appear in Locations table with 'Pending' status. The NMVO will then review the location details and decide on whether to approve the location before the location can become active.

Note that this functionality may be disabled in your market. If so, created locations will move directly to being active.

Home > Locations

Medicines Verification Administration Portal

Locations Create

Show Locations With Proposed Changes Only All

Location Id	Location Name	Address	Status	Legitimacy Information	# Equipment	Actions
17e19e1b-26a1-4ae6-9ed...	Location 4	Via Salette, 24, Sperlonga...	Suspended	ABC12345	0	
2c9e545b-5743-4cfe-b8...	Location 2	Via Posillipo, 68 mare, ...	Active	ABC12345	0	
51a8a370-760d-497a-90d...	Location 1	Vico Ferrovia, 17/18, Nap...	Active	ABC12345	2	
56cc8964-aa4e-4700-9a9...	Location 6	Viale Tommaso Tittoni, 1...	Pending	Legit.99		
b1f5560e-f0d2-43d7-81c...	Location 3	Via Mariano Mandolesi, G...	Pending	ABC12345		
fbdc560d-a6c8-4aee-998...	Location 5	Via Pontina, km 106, 500, ...	Suspended by NMVO	ABC12345	0	















Location Management - Edit Pending Location


When a location is in a pending state the edit functionality allows the local organisation to modify the properties that they have provided to the NMVO for legitimacy checking. Any modification will be visible to the NMVO while they are reviewing the pending location. Modifying the pending location properties may be a result of legitimacy check discussions with the NMVO, or to correct typographical errors.

Edit (Pending) Location dialog **Main Location page**

Locations Show Locations With Proposed Changes Only All ▾

Create

Location Id	Location Name	Address	Status	Legitimacy Information	# Equipment	Actions
17e19e1b-26a1-4ae6-9ed7-6ee213b144f3	Location 4	Via Salette, 24, Sperlonga, 04029 LT	Suspended	ABC12345	0	  
2c9e545b-5743-4cfe-b838-28790e295cc4	Location 2	Via Posillipo, 68 mare, Napoli, 80123 NA	Active	ABC12345	0	   
51a8a370-760d-497a-90df-674369ac910f	Location 1	Vico Ferrovia, 17/18, Napoli, 80142 NA	Active	ABC12345	2	  
b1f5560e-f0d2-43d7-81c8-dfb7ce61502a	Location 3	Via Mariano Mandolesi, Gaeta, 04024 LT	Pending	ABC12345		 
fbdc560d-a6c8-4aee-9980-5582f02b7ed3	Location 5	Via Pontina, km 106, 500, Terracina, LT 04019	Suspended by NMVO	ABC12345	0	 

 1. To edit a location, click the 'Edit' icon next to the Location with 'Pending' status and the Edit (Pending) Location dialog will be displayed.

2. It is possible to edit the information fields associated with a Location, i.e.:

- Location Name
- Address
- City
- Postal Code
- Legitimacy Information

It is not possible to change the Location ID generated by the portal.

3. When any field of the address is edited, the Update button becomes enabled. Click the 'Update' button and dialog is dismissed and user is returned to main location page. A toast message is briefly displayed on the main locations page.

Location 2

Location Id: d0d9e09c-218c-4a3e-a24e-ab6d7ffb7c88

* Location Name: Location 2

Address: Via Federico Ozanam, 30-34

City: Roma

* Postal Code: 00152 RM

* Legitimacy Information: ABC12345

Update Close

Legitimacy Information field is shown here because field ownership is configured at Local Organisation level. Whether field is mandatory or not is also a system configuration

Location Management - Edit Non-Pending Location

Main Location page

2. It is possible to edit the information fields associated with a Location, i.e.:

- Location Name
- Address
- City
- Postal Code
- Legitimacy Information

It is not possible to change the Location ID generated by the portal.

3. When any field of the address is edited, the Update button becomes enabled

Location Details dialog popup

Location 1

Location Id: 51a8a370-760d-497a-90df-674369ac910f

* Location Name: Location 1

Address: Vico Ferrovia, 17/18











City: Napoli

* Postal Code: 80142 NA

* Legitimacy Information ⓘ: ABC12345

Equipment List

Create
















Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
		All ▾	All ▾		
FiftyClient Equipm...	f637fbf8-6d97-47c...	Full Access ⓘ	Active	  	18/07/2024 - Primary   ⓘ
HundredClient Eq...	ad9d12dd-50d0-4...	Full Access ⓘ	Suspended	  	19/07/2024 - Primary   ⓘ

Update Close

Locations

Create

Show Locations With Proposed Changes Only All ▾

Location id	Location Name	Address	Status	Legitimacy Information	# Equipment	Actions
			All ▾			
17e19e1b-26a1-4ae6-9ed7-6ee213b144f3	Location 4	Via Salette, 24, Sperlonga, 04029 LT	Suspended	ABC12345	0	  
2c9e545b-5743-4cfe-b838-28790e295cc4	Location 2	Via Posillipo, 68 mare, Napoli, 80123 NA	Active	ABC12345	0	  
51a8a370-760d-497a-90df-674369ac910f	Location 1	Vico Ferrovia, 17/18, Napoli, 80142 NA	Active	ABC12345	2	  
b1f5560e-f0d2-43d7-81c8-dfb7ce61502a	Location 3	Via Mariano Mandolesi, Gaeta, 04024 LT	Pending	ABC12345		  
fbdc560d-a6c8-4aee-9980-5582f02b7ed3	Location 5	Via Pontina, km 106, 500, Terracina, LT 04019	Suspended by NMVO	ABC12345	0	  

To edit a location, click the 'Edit' icon next to the Location to be edited and the Location details dialog will be displayed.

Location Management - Suspend Location

There may be circumstances in which it is necessary to Suspend an entire Location.

Suspending a location will cause any requests, made to the NMVS, from equipment in that location to be rejected.

2. A confirmation window will prompt the user to confirm that the location is to be suspended. To enact the suspension, click 'Suspend'.

Suspend Location ✕















Do you want to suspend the location **Estonia 1**?

Suspend Close

Locations

Create

Show Locations With Proposed Changes Only ⚙️ All ▾

Location Id	Location Name	Address	Status	Legitimacy Information	# Equipment	Actions
17e19e1b-26a1-4ae6-9ed7-6ee213b144f3	Location 4	Via Salette, 24, Sperlonga, 04029 LT	Suspended	ABC12345	0	  
2c9e545b-5743-4cfe-b838-28790e295cc4	Location 2	Via Posillipo, 68 mare, Napoli, 80123 NA	Active	ABC12345	0	   
51a8a370-760d-497a-90df-674369ac910f	Location 1	Vico Ferrovia, 17/18, Napoli, 80142 NA	Active	ABC12345	2	  
b1f5560e-f0d2-43d7-81c8-dfb7ce61502a	Location 3	Via Mariano Mandolesi, Gaeta, 04024 LT	Pending	ABC12345		 
fbdc560d-a6c8-4aee-9980-5582f02b7ed3	Location 5	Via Pontina, km 106, 500, Terracina, LT 04019	Suspended by NMVO	ABC12345	0	 

1. To suspend a location, click the 'Suspend' icon against the location record.

Location Management - Reinstate Location















Suspended locations may be reinstated, allowing requests made from that location to the NMVS to be accepted.

Reinstate Location ✕

Do you want to reinstate the location **Location 3**?

Locations

Show Locations With Proposed Changes Only ⚙ All ▾

Location Id	Location Name	Address	Status	Legitimacy Information	# Equipment	Actions
17e19e1b-26a1-4ae6-9ed7-6ee213b144f3	Location 4	Via Salette, 24, Sperlonga, 04029 LT	Suspended	ABC12345	0	  
2c9e545b-5743-4cfe-b838-28790e295cc4	Location 2	Via Posillipo, 68 mare, Napoli, 80123 NA	Active	ABC12345	0	   
51a8a370-760d-497a-90df-674369ac910f	Location 1	Vico Ferrovia, 17/18, Napoli, 80142 NA	Active	ABC12345	2	  
b1f5560e-f0d2-43d7-81c8-dfb7ce61502a	Location 3	Via Mariano Mandolesi, Gaeta, 04024 LT	Pending	ABC12345		 
fbdc560d-a6c8-4aee-9980-5582f02b7ed3	Location 5	Via Pontina, km 106, 500, Terracina, LT 04019	Suspended by NMVO	ABC12345	0	 

To reinstate a location following a suspension, click on the 'Reinstate' icon, then the 'Reinstate' button in the pop-up window.















Location Management - Delete Location

It may be necessary to delete locations, for example if a location is closed down, or no longer performs pack operations.

Locations

Create

Show Locations With Proposed Changes Only All ▾

Location Id	Location Name	Address	Status	Legitimacy Information	# Equipment	Actions
17e19e1b-26a1-4ae6-9ed7-6ee213b144f3	Location 4	Via Salette, 24, Sperlonga, 04029 LT	Suspended	ABC12345	0	  
2c9e545b-5743-4cfe-b838-28790e295cc4	Location 2	Via Posillipo, 68 mare, Napoli, 80123 NA	Active	ABC12345	0	   
51a8a370-760d-497a-90df-674369ac910f	Location 1	Vico Ferrovia, 17/18, Napoli, 80142 NA	Active	ABC12345	2	  
b1f5560e-f0d2-43d7-81c8-dfb7ce61502a	Location 3	Via Mariano Mandolesi, Gaeta, 04024 LT	Pending	ABC12345		 
fbdc560d-a6c8-4aee-9980-5582f02b7ed3	Location 5	Via Pontina, km 106, 500, Terracina, LT 04019	Suspended by NMVO	ABC12345	0	 

To delete a location, click the 'Delete' icon next to the Location to be deleted.

Delete Location

Do you want to delete the location **Location 2**?

Type in 'Location 2' to continue

Delete Close

2. A confirmation window will prompt the user to enter the name of the Location as a safety check before allowing the delete action to proceed.
3. When the location has been entered, click 'Delete' button.
4. Dialog will be dismissed and user returned to main locations page. A toast confirmation message will be briefly displayed.






Warning: Deleting a location will prevent any reactivation of packs decommissioned in this location since the location ID will have been permanently deactivated. Use with care.
Only the NMVO can reactivate a deleted location, but any associated client credentials are permanently lost.

Location Management – Review Proposed Location Changes

Locations

Create

Show Locations With Proposed Changes Only All

Location Id	Location Name	Address	Status	Legitimacy I...	# Equip...	Actions
beeeb54...	Location 1	Via Federico Ozanam, 30-32, Roma, 00152 RM	Active	ABC12345	0	  
ccea0fd7...	Location 2	Piazza Regina Margherita, 11, Civitavecchia, 00053 RA	Pending	ABC12345		 



1. To review changes proposed by the NMVO click the 'Review Proposed Changes' icon and the appropriate dialog will popup.

Review Proposed Location Changes

Please review the proposed location detail changes for location with id: **beeeb545-3902-4c5a-82ef-d54f68581f46**.

Location Name Location 1 > Location 1

Address Via Federico Ozanam, 30-32 > Via Federico Ozanam, 30-32

City Roma > Roma

Postal Code 00152 RM > 00152 RM

Legitimacy Information ABC12345 > ABC12347

Approve Reject Close

NOTE: If Legitimacy Information Ownership is at NMVO level and the NMVO only changes legitimacy info, this change will be persisted in the database and does not require approval from the local organization.

Approve Changes

Do you want to approve the proposed location changes for location with Id 'beeeb545-3902-4c5a-82ef-d54f68581f46'?

Approve Close

3. Click 'Approve' button to approve the changes, or 'Close' to cancel out.

Click 'Reject' button to reject the changes, or 'Close' to cancel out

2. To approve or reject the proposed changes, click either the 'Approve' or 'Reject' buttons as appropriate, and the corresponding confirmation dialog will popup.

For rejections it is possible to give a reason. Also, an email will be sent to the NMVO.

Confirm Rejection

You are rejecting the proposed location changes for location 'Location 1' with id 'beeeb545-3902-4c5a-82ef-d54f68581f46'. Are you sure?

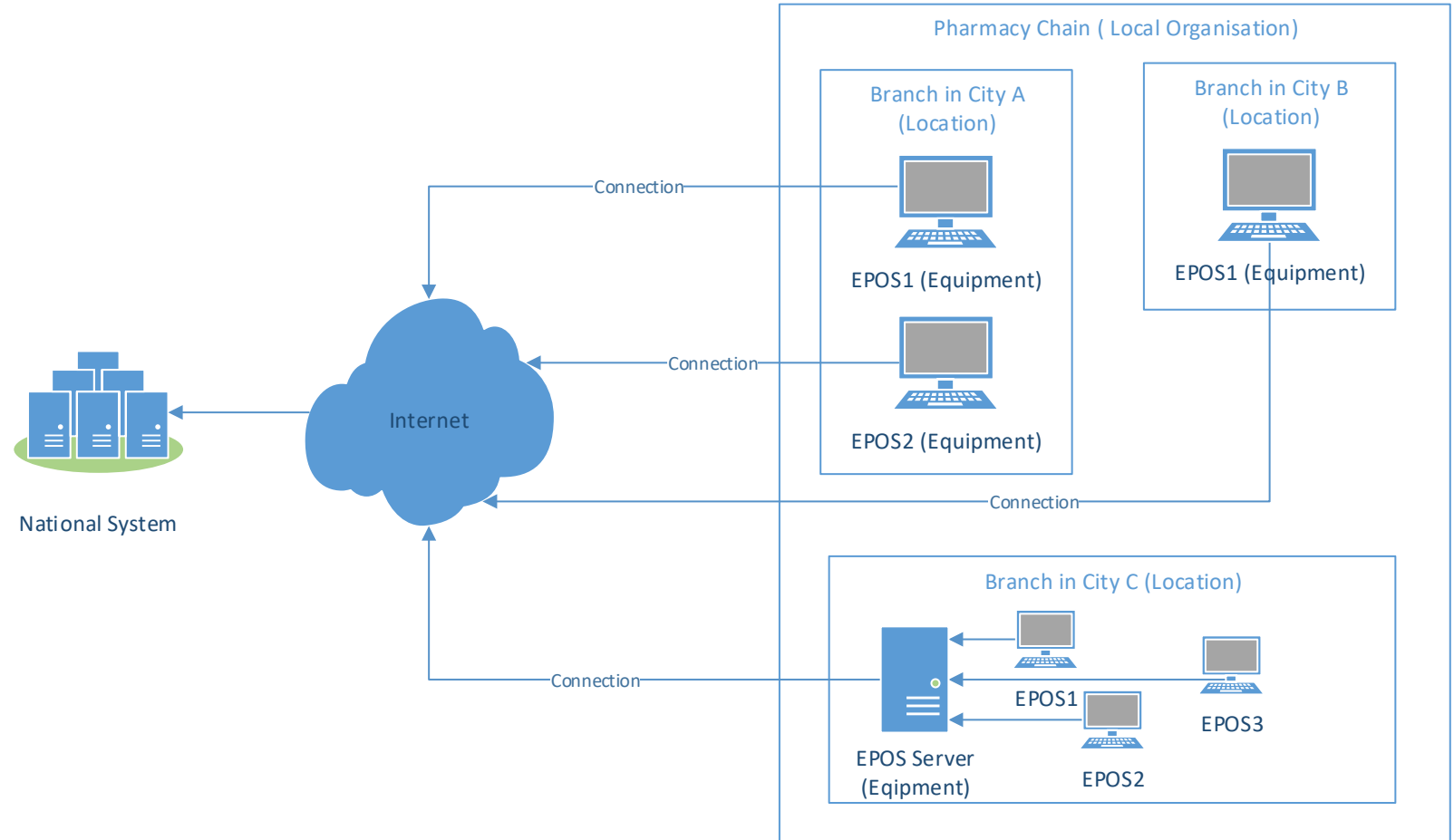
An email will be sent to the NMVO notifying them about the reason for the rejection.

Reason

Reject Close

Location Management – Client Equipment Credentials

- Allocation of Client System Credentials to your IT System is the responsibility of your IT Supplier.
- Each independent terminal is considered a unique piece of equipment and must be issued credentials individually.
- Independent terminals at the same location have a different equipment name but the same location name.
- A pharmacist at a location with two terminals may, if they wish, use one terminal to supply a pack and the other to reactivate the same pack, however the pharmacy cannot reactivate a pack from a different location even if it is within the same user organisation.
- A Local Organisation may have many locations and each location may have many pieces of equipment (client systems), see diagram.
- Users should be aware that each time client credentials are presented to the NMVS, this represents a formal confirmation by the Local Organisation as to the location of the client system and the equipment which is connecting to the NMVS.
- This confirmation is mandated by the EMVS requirements in order to comply with the EU Delegated Regulation.
- Any misrepresentation may be deemed an abuse of the system by the NMVO and/or the national competent body.



Location Management – Client Equipment Credentials (2)

- Client System Credentials are used during a request for an access token to the NMVS.
- Access tokens represent authorisation of the system to perform actions against the NMVS. The access tokens expire every 30 minutes.
- If a client is suspended any access token remains valid until it expires, so a suspended client may continue to access the system for up to 30 minutes.
- A suspended client may still be issued with a new access token, but any attempt to perform a transaction with the verification or reporting API will fail with an unauthorized response.
- Should the equipment be deleted then a new set of Client System Credentials need to be generated and applied before that client can request a new access token.
- The secrets for credentials can be managed, whereby a fully-functioning alternative secondary secret can be generated to work with the same client ID as for the primary secret. Management includes regenerating new secrets and swapping between assigned primary and secondary secrets.

Note:

The NMVS does not authenticate users of client systems. This is the responsibility of the client system. No mechanism is provided to client systems to inform the NMVS about the user of the client system or their roles or permissions. The NMVS does not record any information about the local user.

Location Management - Add Client Equipment (1)

Table shows list of equipment that belong to one location

Click the 'Create' button to open the dialog to add client equipment.

Columns can be sorted by clicking on column name

Columns can be filtered by typing valid value into text box, or selecting from dropdown

Following the creation of the credentials, the Client Equipment table is now populated with the new equipment.

Controls to scroll through more than one page, how much equipment to display on one page, etc.

Equipment List






Clicking on the 'i' information icon beside a Client Role will popup a dialog listing all the permissions for that role

Columns can be selected / displayed by clicking 'All' and configuring

Equipment Id, Client Id, Client Role, Status, Equipment Actions, Secrets

ClientEq1, 53a812..., Full Access, Active, 22/08/2024 - Primary





Previous page, Page 1 of 1, 5 rows, Next page

Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
ClientEq1	53a812...	Full Access	Active	  	22/08/2024 - Primary  

- Equipment Id
- Client Id
- Client Role
- Status
- Secrets
- Equipment Actions

Secrets column shows the type of secret for a particular client credential, and the last time it was generated. Management of secrets can be done here including regeneration, swapping and deletion (secondary only). More details in other slide.

Actions that can be performed on Client Equipment. Client equipment management is described in other section.

-  To edit a Client Equipment
-  To delete a Client Equipment
-  To suspend a Client Equipment
-  To reinstate a suspended Client Equipment

Location Management - Add Client Equipment (2)

1. Enter the 'Equipment Id' for the item of equipment that will be used to perform pack operations.

This may be, for example, "POS Terminal 1", and may be informed by the Client System naming convention in place.

2. A client role may be selected to define what parts of the system the equipment has access to. These roles are previously defined in the "Client Roles" area of the system.

Both Client Role and Equipment Id are mandatory and must be defined before 'Create' button is enabled.

More than one role can be selected.

3. Click "Create" to create the Client System Credentials.

Create Client Equipment

* **Equipment Id** ClientEq1

* **Client Roles** Full Access ⓘ x Test Client Role ⓘ x

Full Access: Role with all available permissions assigned

Test Client Role

Test Client Role

- **Packs - SystemStatus:** Allows the actor to retrieve the current system status
- **Packs - Verify:** Allows the actor to verify packs
- **Report - ContractedWholesalersStakeholderReport:** Allows the actor to create, read and delete Contracted Wholesalers Stakeholder Reports
- **Secrets - Control:** Allows the actor to create, regenerate, swap, and delete secrets within their organisation

Close

Close

Close

Clicking on the ⓘ information icon beside a Client Role will popup a dialog listing all the permissions for that role

Location Management - Add Client Equipment (3)

1. Client System Credentials consist of a Client ID and a Client Secret. These credentials need to be provided to the responsible owner of the IT System of the Local Organisation.
2. The first time client equipment is created, primary client credentials are created by default. It is possible to create a secondary secret for the same credential (client id), and both secrets can be valid and used freely.
3. NB: The full Client Secret is only displayed ONCE. If the screen is closed before recording it against the Client ID then the secret can be regenerated (see secret management slides)
4. When the credentials have been recorded, click 'Close' to close the window.
5. The credentials are sensitive and should not be shared with any party not directly involved in the Client System connection process.

Primary Equipment Client Credentials

These Client Credentials will be shown one time on the screen! Please copy them to configure your client system!

Equipment Id	ClientEq1
Client Id	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9
Client Secret	8ecb3105-712c-490d-a4d2-5a6ea4ce4fe0

Close

Clicking this icon will copy the credential to the clipboard.

Location Management - Edit Client Equipment



1. Clicking the Edit icon will display the 'Edit Client Equipment' dialog popup.

Location details dialog

Equipment List

Create All ▾

Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
		All ▾	All ▾		
ClientEq1	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9	Full Access ⓘ Test Client Role ⓘ	Active		12/08/2024 - Primary + ↻ ⓘ
ClientEq2	ed652c3a-3be4-4453-90a0-038fcab1e76e	Full Access ⓘ	Active		12/08/2024 - Primary 12/08/2024 - Secondary + ↻ ⓘ
ClientEq3	1cc9a9ab-0277-40f7-a95f-9727ad0fa122	Test Client Role ⓘ	Suspended		12/08/2024 - Primary + ↻ ⓘ

Edit Client Equipment

* Equipment Id

* Client Roles x | ▾

Full Access: Role with all available permissions assigned

2. Make any change to the Equipment Id or the list of Client Roles. This will enable the 'Update' button. In this example, the Equipment Id is changed to "CE-2 Edited".

3. Click 'Update' button. User will be returned to Location details dialog and the Client equipment record will be updated to reflect the changes.

Equipment List

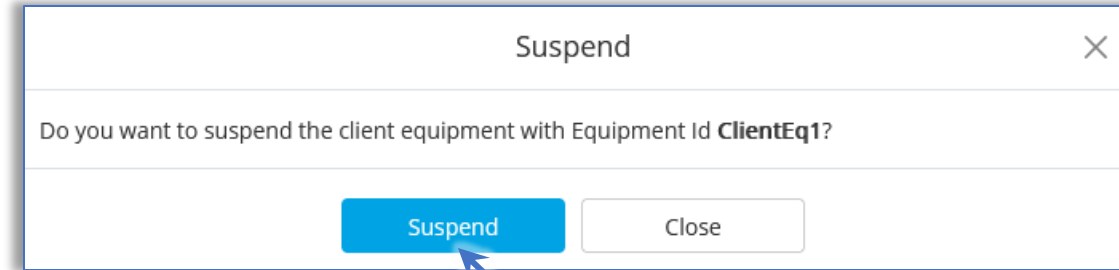
Create All ▾

Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
		All ▾	All ▾		
CE-2 Edited	ed652c3a-3be4-4453-90a0-038fcab1e76e	Full Access ⓘ	Active		12/08/2024 - Primary 12/08/2024 - Secondary + ↻ ⓘ
ClientEq1	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9	Full Access ⓘ Test Client Role ⓘ	Active		12/08/2024 - Primary + ↻ ⓘ
ClientEq3	1cc9a9ab-0277-40f7-a95f-9727ad0fa122	Test Client Role ⓘ	Suspended		12/08/2024 - Primary + ↻ ⓘ













Location Management - Suspend Client Equipment

There may be circumstances in which it is necessary to Suspend Client Equipment.

Suspending client equipment causes any requests made from that equipment to the NMVS to be rejected.



A confirmation window will prompt the user to confirm that the equipment is to be suspended. To enact the suspension, click 'Suspend'.

Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
CE-2 Edited	ed652c3a-3be4-4453-90a0-038fcab1e76e	Full Access ⓘ	Active	  	12/08/2024 - Primary 12/08/2024 - Secondary  ⓘ
ClientEq1	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9	Full Access ⓘ Test Client Role ⓘ	Active	  	12/08/2024 - Primary  ⓘ
ClientEq3	1cc9a9ab-0277-40f7-a95f-9727ad0fa122	Test Client Role ⓘ	Suspended	  	12/08/2024 - Primary  ⓘ

To suspend client equipment, click the 'Suspend' icon against the equipment to be suspended.



Location Management - Reinstate Client Equipment

Suspended Client Equipment may be reinstated, allowing requests made from that equipment to the NMVS to be accepted.

Reinstate ✕

Do you want to reinstate the client equipment **ClientEq2**?

Reinstate Close

Equipment List

Create ⚙️ All ▾

Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
		All ▾	All ▾		
CE-2 Edited	ed652c3a-3be4-4453-90a0-038fcab1e76e	Full Access ⓘ	Active		12/08/2024 - Primary 12/08/2024 - Secondary ⓘ
ClientEq1	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9	Full Access ⓘ Test Client Role ⓘ	Active		12/08/2024 - Primary ⓘ
ClientEq3	1cc9a9ab-0277-40f7-a95f-9727ad0fa122	Test Client Role ⓘ	Suspended		12/08/2024 - Primary ⓘ

To reinstate client equipment following a suspension, click on the 'Reinstate' icon, then the 'Reinstate' button in the pop-up window.



Location Management - Delete Client Equipment

There may be circumstances in which it is necessary to delete Client Equipment.



1. To delete client equipment, click the 'Delete' icon against the equipment to be deleted.

Delete Equipment ✕

Do you want to delete the client equipment with Equipment Id **Equipment 2**?

Equipment List

Create

Equipment Id	Client Id	Client Role	Status	Equipment Actions	
		All ▾	All ▾		
CE-2 Edited	ed652c3a-3be4-4453-90a0-038fcab1e76e	Full Access ⓘ	Active		12/08/2024 - Primary 12/08/2024 - Secondary
ClientEq1	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9	Full Access ⓘ Test Client Role ⓘ	Active		12/08/2024 - Primary
ClientEq3	1cc9a9ab-0277-40f7-a95f-9727ad0fa122	Test Client Role ⓘ	Suspended		12/08/2024 - Primary

2. A confirmation window will prompt the user to confirm that the equipment is to be deleted. Click on 'Delete' button.

Dialog will be dismissed and user returned to Location details page.

Location – Secret Management – Create Secondary Secret

Equipment List

Create All ▾

Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
CE-2 Edited	ed652c3a-3be4-4453-90a0-038fcab1e76e	Full Access ⓘ	Active		12/08/2024 - Primary 12/08/2024 - Secondary
ClientEq1	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9	Full Access ⓘ Test Client Role ⓘ	Active		12/08/2024 - Primary
ClientEq3	1cc9a9ab-0277-40f7-a95f-9727ad0fa122	Test Client Role ⓘ	Suspended		12/08/2024 - Primary



1. When the plus icon is clicked the 'Create Secondary Secret' dialog pops up. Note that secondary secrets can be created for equipment that only has primary secrets

Create Secondary Secret - ClientEq3 ✕

A secondary secret will be created for the client credentials. Do you want to proceed?

2. Click the 'Create' button to create the secondary secret. Details of the credentials including secondary secret will be displayed. Note that the client id is the same as for the primary secret, and the secret will be displayed only ONCE.

3. Click 'Close' to close the credentials popup and return to Location page. After the secondary secret is created, an entry appears in the Equipment table with the designation and date of creation of the secondary secret

Secondary Equipment Client Credentials ✕

These Client Credentials will be shown one time on the screen! Please copy them to configure your client system!

Equipment Id










Client Id

Client Secret

Location – Secret Management – Regenerate Primary Secret

Equipment List

Create All ▾

Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
CE-2 Edited	ed652c3a-3be4-4453-90a0-038fcab1e76e	Full Access !	Active	  	12/08/2024 - Primary 12/08/2024 - Secondary
ClientEq1	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9	Full Access ! Test Client Role !	Active	  	12/08/2024 - Primary
ClientEq3	1cc9a9ab-0277-40f7-a95f-9727ad0fa122	Test Client Role !	Suspended	  	12/08/2024 - Primary



1. When the double arrow icon is clicked the 'Regenerate Primary Secret' dialog pops up.

Regeneration of secrets improves the security of end-user connections, facilitates regular renewal of authentication secrets and reduces risk of unauthorized access to the system.

3. Click 'Close' to close the credentials popup and return to Location page. After the secret is regenerated, the date beside the secret in the Equipments table is updated.

Regenerate Primary Secret - CE-2 Edited ×

A new secret will be generated and will replace the existing one. Any authentication performed using the current secret will no longer succeed. Do you want to proceed?


2. Click the 'Regenerate' button to confirm. Once the secret is regenerated, the old previous secret cannot be used ever again.


Details of the credentials with regenerated secret will be displayed. Note that the client id has *not* changed, and the secret will be displayed only ONCE.

Regenerated Primary Client Credentials ×

These Client Credentials will be shown one time on the screen! Please copy them to configure your client system!

Equipment Id CE-2 Edited










Client Id ed652c3a-3be4-4453-90a0-038fcab1e76e 

Client Secret be060f83-1d2e-479d-8e7b-088ba663d6c0 

Location – Secret Management – Regenerate Secondary Secret

Equipment List

Create All

Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
CE-2 Edited	ed652c3a-3be4-4453-90a0-038fcab1e76e	Full Access	Active	  	12/08/2024 - Primary 12/08/2024 - Secondary
ClientEq1	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9	Full Access Test Client Role	Active	  	12/08/2024 - Primary
ClientEq3	1cc9a9ab-0277-40f7-a95f-9727ad0fa122	Test Client Role	Suspended	  	12/08/2024 - Primary



1. When the double arrow icon is clicked the 'Regenerate Secondary Secret' dialog pops up.

Regeneration of secrets improves the security of end-user connections, facilitates regular renewal of authentication secrets and reduces risk of unauthorized access to the system.

3. Click 'Close' to close the credentials popup and return to Location page. After the secret is regenerated, the date beside the secret in the Equipments table is updated.

Regenerate Secondary Secret - CE-2 Edited

A new secret will be generated and will replace the existing one. Any authentication performed using the current secret will no longer succeed. Do you want to proceed?

2. Click the 'Regenerate' button to confirm. Once the secret is regenerated, the old previous secret cannot be used ever again.

Details of the credentials with regenerated secret will be displayed. Note that the client id has *not* changed, and the secret will be displayed only ONCE.

Regenerated Secondary Client Credentials










These Client Credentials will be shown one time on the screen! Please copy them to configure your client system!

Equipment Id CE-2 Edited

Client Id ed652c3a-3be4-4453-90a0-038fcab1e76e

Client Secret 7458849b-ab96-42d9-ad1a-5a583b099975

Location – Secret Management – Swap Secrets

Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
CE-2 Edited	ed652c3a-3be4-4453-90a0-038fcab1e76e	Full Access	Active	  	12/08/2024 - Primary 12/08/2024 - Secondary
ClientEq1	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9	Full Access Test Client Role	Active	  	12/08/2024 - Primary
ClientEq3	1cc9a9ab-0277-40f7-a95f-9727a00fa122	Test Client Role	Suspended	  	12/08/2024 - Primary



1. When the arrow up icon is clicked the 'Swap Secrets' dialog pops up. Note that the icon is only displayed for credentials that have both a primary and secondary secret.

Swapping secrets allows the designations 'Primary Secret' and 'Secondary Secret' to be exchanged. This should not affect the working of the secrets

Swap Secrets - CE-2 Edited

The secondary secret will be promoted as primary, and the primary secret will be made secondary. Do you want to proceed?










2. Click the 'Swap' button confirm that the secrets should be swapped. User is returned to the Equipments list page.

Location – Secret Management – Information

Equipment List

Create

All

Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
CE-2 Edited	ed652c3a-3be4-4453-90a0-038fcab1e76e	Full Access ⓘ	Active	  	12/08/2024 - Primary 12/08/2024 - Secondary
ClientEq1	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9	Full Access ⓘ Test Client Role ⓘ	Active	  	12/08/2024 - Primary
ClientEq3	1cc9a9ab-0277-40f7-a95f-9727ad0fa122	Test Client Role ⓘ	Suspended	  	12/08/2024 - Primary



Clicking the information icon beside a secret will make the credentials information dialog popup. The same fields will be displayed for primary and secondary secrets.

Primary Equipment Client Credentials

Equipment Id: Test ClientEq

Client Id: 2a7fd97a-1d8d-49c0-bcdf-4fab62fe3d33

Client Secret: f19***

Creation Date (UTC): 05/07/2024 06:57:30

Updated Date (UTC): 13/08/2024 06:57:30

Close

If an Equipment has two secrets, the ClientId will be the same for both of them




















Note that the full secret is not displayed, only the first three (3) characters. If historical secrets exist pre-release 15 then six asterisks will be displayed '*****'

If the secret has been regenerated then this will be reflected in the 'Updated Date' timestamp. The Creation Date' timestamp is

Location – Secret Management – Delete Secondary Secret

Equipment List

Create All ▾

Equipment Id	Client Id	Client Role	Status	Equipment Actions	Secrets
		All ▾	All ▾		
CE-2 Edited	ed652c3a-3be4-4453-90a0-038fcab1e76e	Full Access ⓘ	Active	  	12/08/2024 - Primary 12/08/2024 - Secondary    
ClientEq1	2d5051c9-f0f1-487b-94bc-e6ae8a8ccfb9	Full Access ⓘ Test Client Role ⓘ	Active	  	12/08/2024 - Primary   
ClientEq3	1cc9a9ab-0277-40f7-a95f-9727ad0fa122	Test Client Role ⓘ	Suspended	  	12/08/2024 - Primary   



1. When the trash icon is clicked the 'Delete Secondary Secret' dialog pops up. Note that primary secrets can not be deleted.

2. Click the 'Delete' button to confirm deletion. User will be returned to Location page Equipments tab will be updated.

Delete Secondary Secret - CE-2 Edited ×

The secondary secret will be deleted. Any authentication performed using the secondary secret will no longer succeed. Do you want to proceed?

Reports Management

Reports – Main(1)

The Admin Portal has the ability to generate reports for users with sufficient account privileges. A user with the “Report/Control” permission will see a ‘Reports’ menu after login.
NOTE: Reports can also be generated via the API

Navigate to Reports in the menu column.

Admin Portal reporting works as a two stage activity.

2. The user can filter by report category, type and description. To select the report to request click anywhere on the chosen report row. The user can press close to exit out of the request. A complete list of the reports available to request can be found in the Appendix.

1. A report is requested by the user by clicking ‘Request New Report’. A popup will appear with a list of the report types available to the user.

‘Latest available data’ shows the timestamp of the last update of the data source for the report. ‘Next data update’ shows the timestamp at which the next update of data source for the report is estimated to occur.

3. Following submission of any required report parameters (discussed on the next slide) the report and its status will appear in the table and a toast message displayed briefly. Report generation is not instantaneous and the request status will be ‘Running’ with an icon to indicate the report is being generated. This page will auto-refresh.

4. After a report is completed, the report can then be downloaded from the filterable table in its available formats, or deleted.

Request New Report ✕

Category	Report Type	Description
All ▾		
Stakeholder	Contracted Wholesalers Stakeholder Report	List of all Contracted Wholesalers for a given product.
Investigation	End User Batch Disclosure Report	The report lists all audit points raised by the end user local organisation, or location, related to a specified ...
Investigation	End User Pack Audit Trail Report	Lists all audit points raised by the end user local organisation, or location, related to a specified pack over it...
Investigation	End User Pack Disclosure Report	Given a Unique Pack Return Code the report lists all audit points raised by the end user local organisation, ...
Management	Organisation Administration Activity Report	Provides an audit trail of changes performed within the organisation.
Audit Trail	Pack State Changes Client Report	Provides counts of all successful pack state changes made during a specified time period and at a specified ...
Management	Product Catalogue Data Client Report	Lists some or all of the products in the product catalogue.
Investigation	Returned Packs Client Report	Provides a list of packs flagged as suspicious for a specified location and time period.
Investigation	Transaction Log Client Report	Lists all pack related transaction carried out in the specified organisation or organisation location.

Home > Reports

Medicines Verification Administration Portal

Reports

Request New Report

Close

Requested Date (UTC)

Category

Name

Report Type

Requested By

Status

Actions

Requested Date (UTC)	Category	Requested By	Status	Actions
22/08/2024 16:50:50	Management	PCDC Report - GTIN 0051...	Running	
22/08/2024 16:27:45	Management	Product Catalogue Data C...	Completed	

Previous page
Page 1 of 1
10 rows ▾
Next page

All reports older than 60 days will be deleted.

Columns in the table can be selected / unselected for display by clicking on the ‘All’ button

The table is paginated if there are enough generated reports. Use the next and previous page buttons to navigate or page jump. The user may also select how many reports are displayed in each page.

Reports – Main (2)

Location-based Report generation.

The list of generated reports that are displayed depend on the Locations that the logged in user is associated with (this is done in the User Management area). Users can only generate and view reports for the locations they are assigned to.

If two different end users are assigned the same subset of locations, both will be able to view reports generated by the other for the subset location(s). If user has access to multiple locations within the organisation, end-user chooses which location reports should be generated for. If there are no locations assigned (organisation user), then user can see all reports generated for the organisation.

Reports that have been successfully requested will show in the filterable table of the Reports Home Screen.

Requested reports will exhibit one of four statuses:

- Queued: Report is waiting for batch processing.
- Running: Report is being created.
- Completed: Report is ready for download.
- Failed: One or more report formats could not be created.

When the status of a report changes to 'Completed' it may be downloaded in its full list of available formats. In some cases a format may fail to process. In this case a report's status will be listed as 'Failed', however, not all report formats may fail and if the icon is displayed that format was successful and can be downloaded.

A report can be deleted by the user using the icons displayed in the 'Actions' column.

Note: It is not necessary to remain logged into the Admin portal while a report is completed. Users are at liberty to log out and in again while the report is being processed

Reports that have been successfully requested can be seen by any user that has Reporting rights associated with their user account.

Generated reports can be sorted by clicking on the column name

Generated reports can be filtered

The screenshot shows a web interface for viewing reports. At the top left is a 'Request New Report' button. On the right, it displays 'Latest available data: 23/08/2024 06:59:42 UTC' and 'Next data update: 23/08/2024 07:30:00 UTC' along with an 'All' filter dropdown. Below this is a table with columns: Requested Date (UTC), Category, Name, Report Type, Requested By, Status, and Actions. The 'Category' and 'Status' columns have dropdown menus. A row is selected, and a context menu is open over the 'Status' column, showing options: Unselect All, Completed, Failed, Queued, and Running. The 'Actions' column contains icons for viewing online, downloading as CSV, downloading as PDF, and deleting. At the bottom, there are pagination controls: 'Previous page', 'Page 1 of 7', '5 rows', and 'Next page'.

Requested Date (UTC)	Category	Name	Report Type	Requested By	Status	Actions
	All				All	
20/08/2024 14:53:51	Management	Organisation Ad...	Organisation Ad...	pharmacysuperuser@exa...	Completed	View Online, CSV, PDF, XLS, Delete
20/08/2024 14:53:01	Management	Organisation Ad...	Organisation Ad...	pharmacysuperuser@exa...	Failed	View Online, CSV, PDF, XLS, Delete
15/08/2024 04:16:42	Investigation	End User Pack Au...	End User Pack Au...	pharmacysuperuser@exa...	Queued	View Online, CSV, XLS, Delete
15/08/2024 04:13:05	Investigation	End User Pack Au...	End User Pack Au...	pharmacysuperuser@exa...	Running	View Online, CSV, XLS, Delete
14/08/2024 16:56:31	Investigation	End User Batch Di...	End User Batch Di...	pharmacysuperuser@exa...	Completed	View Online, CSV, XLS, Delete

Action options from Left to Right are as follows:

- View report content online
- Download report as CSV file.
- Download report as PDF file.
- Delete report. (All reports older than 60 days will be automatically deleted.)

Reports - Report Actions



'View Report Content': The report will open as a table in a popup dialog, more details in later slide. This report example is the Transaction Log Client report

Transaction Log Client Report

Report Type: Transaction Log Client Report

Report Name: Transaction Log Client Report

Start Date (UTC): 2023-06-20T08:37:07.000Z

End Date (UTC): 2023-07-21T08:37:07.000Z

Client Organisation ID: 4

Client Organisation Name: Test Pharmacy 1

Client Location ID: -

Client Location Name: -

Date and Time (UTC)	Transaction Type	Client Location ID	Client Equipment	Product Code Scheme	Product Code	Batch Number	Pack Serial Number	Pack State	Transaction Success	Operation Code	Event Message	Event Name
2023-07-03T08:22:11	State Change	8c55064-42b-4b2	pharmacy1entid	GTIN	05000917510025	delta2	df-cocalSupplied		False	B1020000	The product code is	IntermarketService
2023-07-03T13:57:2	State Change	03543107-c24a-4b2	TestLoc1	GTIN	1028288155780	00001	000000002		False	B1020000	The product code is	IntermarketService
2023-07-03T14:06:5	Verify	03543107-c24a-4b2	TestLoc1	GTIN	10436643558450	000000	000000002		False	41020001	The serial number is	PackVerificationFals
2023-07-03T14:10:0	Verify	03543107-c24a-4b2	TestLoc1	GTIN	10436643558450	000000	1		False	41020001	The serial number is	PackVerificationFals
2023-07-03T14:12:1	Verify	03543107-c24a-4b2	TestLoc1	GTIN	10710577544800	000000	1163D04Lq@2E0X	Active	True	11110100		PackVerificationSuc

Load more data | Close



Delete the report (All reports older than 60 days will be automatically deleted)

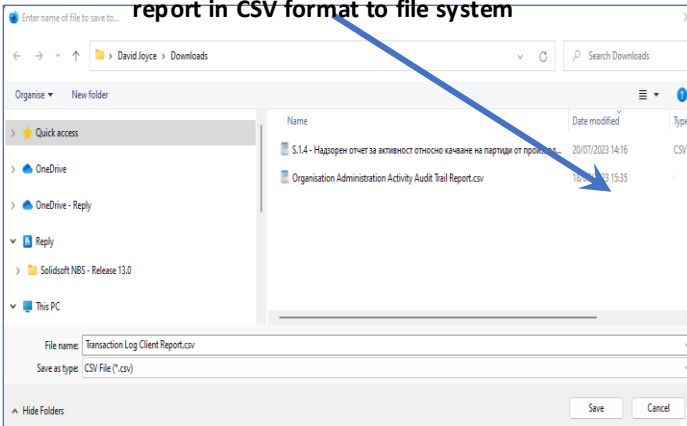
Confirm Delete

Do you want to delete the report with name **Transaction Log Client Report**?

Delete | Close



'Download as CSV': Clicking this icon will download report in CSV format to file system



'Download as Excel': Clicking this icon will offer option of opening report as an Excel file, or downloading to file system.

Excel spreadsheet showing report details:

Report Type	End User Pack Audit Trail Report
Report Name	End User Pack Audit Trail Report
Date Requested (UTC)	2024-08-15T04:16:42.392Z
Product Code Scheme	GTIN
Product Code	12062486700107
Product Name	Pack Audit Trail Generated Product 2
Serial Number	sn2



'Download as PDF': Clicking on the PDF icon will download the report and from there the user can open and view it on any PDF reader.

Transaction Log Client Report-3.pdf - HP Sure Click Secure View

Report Header

Report Type	Transaction Log Client Report
Report Name	Transaction Log Client Report
Start Date (UTC)	20/06/2023 08:37:07
End Date (UTC)	21/07/2023 08:37:07
Client Organisation ID	4
Client Organisation Name	Test Pharmacy 1
Client Location ID	-
Client Location Name	-

Reports – Report Actions - View Report Content

Report Header	
Report Type	Transaction Log Client Report
Report Name	Transaction Log Client Report
Start Date (UTC)	20/06/2023 08:37:07
End Date (UTC)	21/07/2023 08:37:07
Client Organisation ID	4
Client Organisation Name	Test Pharmacy 1
Client Location ID	-
Client Location Name	-

This section has the same information that is in the report header – the request parameters with which the report was generated.

This section can be expanded / collapsed by toggling the double chevron icon

Records are sortable

Columns can be filtered

User can scroll through more pages of records, depending on how many records have been loaded, using "Next page", "Previous page" and page controls

Transaction Log Client Report ⌵ ⚙ All

Report Type: Transaction Log Client Report

Report Name: Transaction Log Client Report

Start Date (UTC): 2023-06-20T08:37:07.000Z

End Date (UTC): 2023-07-21T08:37:07.000Z

Client Organisation ID: 4

Client Organisation Name: Test Pharmacy 1

Client Location ID: -

Client Location Name: -

Date and Ti...	Transaction...	Client Locat...	Client Equi...	Product Co...	Product Code	Batch Num...	Pack Serial ...	Pack State	Transaction...	Operation ...	Event
2023-07-03T08	State Change	8c950dc4-4cbb	pharmacyclien	GTIN	050609175100	delta2	dd-LocalSuppli	False	B1020000	The	
2023-07-03T13	State Change	03543107-c24e	TestLoc1	GTIN	102823861557	00001	0000000002	False	B1020000	The	
2023-07-03T14	Verify	03543107-c24e	TestLoc1	GTIN	104366435584	000000	0000000002	False	41020001	The	
2023-07-03T14	Verify	03543107-c24e	TestLoc1	GTIN	104366435584	000000	1	False	41020001	The	
2023-07-03T14	Verify	03543107-c24e	TestLoc1	GTIN	107105775444	000000	1163fDekLqvB	Active	True	11110100	
2023-07-03T14	Verify	03543107-c24e	TestLoc1	GTIN	107105775444	000000	1163fDekLqvB	Active	True	11110100	
2023-07-03T14	Verify	03543107-c24e	TestLoc1	GTIN	107105775444	000000	1163fDekLqvB	Active	True	11110100	
2023-07-03T14	Verify	03543107-c24e	TestLoc1	GTIN	107105775444	000000	1163fDekLqvB	Active	True	11110100	

Load more data
Close

Report with report header section collapsed

The amount of data (records) loaded is controlled. 10,000 records are loaded initially, then each time the "Load more data" button is clicked 10,000 more records are loaded, up to a maximum of 1,000,000

Columns can be removed or added using the filter setting. This feature is per report tab, not per report. Different tabs (representing different sections in the report) will have a different set of columns.

- Date and Time (UTC)
- Transaction Type
- Client Location ID
- Client Equipment ID
- Product Code Scheme
- Product Code
- Batch Number
- Pack Serial Number
- Pack State
- Transaction Successful
- Operation Code
- Event Message
- Event Name

Report Body – contains the report data

Reports - Submitting Report Parameters Example

Once a report has been selected, additional information must be provided. The nature of any additional information will depend on the report type. For a full list of report types and the additional information required for each, please refer to the 'NMVS Report List' slide in Appendix.

The example provided is of a 'Contracted Wholesalers Stakeholder' report. The user must provide the mandatory fields (denoted by an asterisk *). They are:

- Report Name
- Product Code Scheme, and Product Code.

Depending on the source of data used to create the report, the information that will be captured in the report may not be up to date. The latest available data shows the timestamp of the last update of the data source for the report.

Once the additional information has been supplied, the user is required to click the 'Request Report' button. In this example a validation error is returned because the fields were not entered. Entering a product code will allow the user to successfully request a report. Similar validation errors will be returned for other reports and the user will be provided with a message to indicate why.

After successfully requesting a report, the user will be returned to the Reports Home Screen and the requested report will show as an entry in the table with a queued status.

Contracted Wholesalers Stakeholder Report ×

Latest available data: 21/07/2023 10:00:00 UTC

List of all Contracted Wholesalers for a given product.

* Report Name

* Product Code

The user can close the popup with the 'Close' or 'X' buttons.

Contracted Wholesalers Stakeholder Report ×

Latest available data: 21/07/2023 10:00:00 UTC

List of all Contracted Wholesalers for a given product.

* Report Name

* Product Code

Product Code can't be empty.

Home > Reports

The report I.1 - Audit trail of a suspected medicinal product pack has been successfully requested.

Medicines Verification Administration Portal

Reports Report Client Credentials

Requested Date	Category	Name	Report Type	Requested By	Status	Actions
13/07/2021, 16:36:38	Investigation	I.1 - Audit trail of a suspected medicinal product ...	I.1 - Audit trail of a suspected medicinal product ...	ncasuperuser@example.co...	Queued	
13/07/2021, 16:25:01	Pharma	Ph.3 - Active Packs Available Report	Ph.3 - Active Packs Available Report	ncasuperuser@example.co...	Completed	

The user can navigate back to the list of available reports with the 'Go Back' button

Reports

Reports - Pack State Changes Client Report

This report provides a count of pack state changes made during a specified time period at a specified client location. It is available via a networked API call into the NMVS (also available via Admin portal).

The first table in this report details parameters entered or selected by the report requester before the report was generated. Report output is based on this information.

Report Header	
Report Type	Pack State Changes Client Report
Report Name	Test NMVO report
Start Date & Time (UTC)	21/03/2019 06:13:59
End Date & Time (UTC)	22/05/2020 06:17:59
Client Location ID	47355EA8-CB34-4493-A874-6FC03530FC47

Note: Location Id is optional but if a User is linked to only one location the field will not appear on the request dialog and the User's location will be used implicitly. If a User is linked to more than one location, or is an organisational user, (no location assigned) the dropdown select list will only be populated with locations that the user has access to.

Pack State Changes Client report request dialog

Latest available data: 23/08/2024 07:59:44 UTC
Next data update: 23/08/2024 08:30:00 UTC

Provides counts of all successful pack state changes made during a specified time period and at a specified location.

* Report Name:

* Start Date (UTC):

* End Date (UTC):

Location Id: ▼

End Date must be within 31 days of Start Date.

Report Details	
Pack State	Count
Active	9
Destroyed	1
Exported	2
FreeSample	2
Locked	1
Sample	2
Supplied	2

Count of packs by each possible pack state.

Report is requested for this location. Any user that is assigned the same location, or an organisation level user (no set locations), can see the generated report. The dropdown beside 'Location Id' field contains all locations for the Local Organisation and can help in selecting / setting the correct Location Id.

If the actor requesting the report is a location user, then the list of locations IDs will be limited to their associated locations (or filter is not provided if the actor is only associated to 1 location).

Reports - Transaction Log Client Report

This report provides a list of product pack related transactions initiated by a pharmacist or wholesaler for a specified location and time period. It is available via a networked API call into the NMVS (also available via Admin portal)

Location ID is optional, if left blank it will return the list of transactions for all the locations associated to the organisation of the requesting client. If Location ID is specified, any user that is assigned the same location, or an organisation level user (no set locations), can see the generated report.

Table of all properties outputted and descriptions

Transaction Log Client report request dialog

Transaction Log Client Report

Latest available data: 20/08/2024 08:59:38 UTC
Next data update: 20/08/2024 09:30:00 UTC

Lists all pack related transaction carried out in the specified organisation or organisation location.

* Report Name: Transaction Log Client Report

* Start Date (UTC): 20/07/2024 09:29:04

* End Date (UTC): 20/08/2024 09:29:04

Location Id: [Text Field] [Select...]

Return Simplified View:

Buttons: Go back, Request Report, Close

Check 'Return Simplified View' box to include only the most important properties in report. Report formats are CSV, Excel and PDF (Simplified only). In addition, the API can output in JSON format.

'Location Id' has an associated dropdown containing all locations for the Local Organisation. It can help in finding the correct location Id.

If the actor requesting the report is a location user, then the list of locations IDs will be limited to their associated locations.

Property	Only for full version	Description
Date and Time (UTC)	No	Timestamp of the audit event raised
Client Location Name	Yes	Location name of the client equipment that performed the transaction
Client Location ID	No	Location ID of the client equipment that performed the transaction
Client Equipment ID	No	Equipment ID of the client that performed the transaction, or "EVA" if the transaction was performed via the Emergency Verification Portal
Client ID	Yes	Client ID of the client equipment that performed the transaction
Transaction Type	No	Type of transaction performed by the end user. Possible values are - Verify - State Change - Product Download
Target Pack State	No	For pack state changes only, the target pack state the end-user attempted to change the pack to
Event Name	No	User friendly name of the audit event describing the outcome of the performed transaction
Transaction Successful	No	Boolean flag that determines if the transaction was successful or not
Product Code Scheme	No	Standardised product code scheme of the product that has been provided in the end-user transaction. Possible values are "GTIN" and "PPN"
Product Code	No	Product code of the product that has been provided in the end-user transaction
Batch Number	No	Batch identifier that has been provided in the end-user transaction
Batch Expiry Date	No	Batch expiry date that has been provided in the end-user transaction
Serial Number	No	Serial number of the pack that has been provided in the end-user transaction
Operation Code	No	Operation code returned to the end-user by the transaction
Event Message	No	Informational or warning message returned by the API to the end-user, for successful or unsuccessful transactions, localised with the language requested by the end-user when they made the transaction
Returned Pack State	No	The public state of the pack after the performed transaction. This property has to be filled in only if the public pack state had been returned to the end-user by the API, hence when the 5th and 6th digit of the operation code was "00"
Alert ID	No	UPRC returned by the Verification API
Alert Code	Yes	For alerts only, the EMVS Error code returned to the end-user by the API, e.g. A3, A68 etc
Transaction ID	Yes	The identifier of the end-user transaction
Product Name	Yes	The name of the product as provided by the OBP and returned to the end-user by the API
Product State	Yes	The state of the product found. This property has to be filled in only if the public pack state had been returned to the end-user by the API
Withdrawal Reason	Yes	The withdrawal reason provided by the OBP when they withdrew the product and returned to the end-user by the API. This property has to be filled in only if the public pack state had been returned to the end-user by the API
Batch State	Yes	The state of the batch found. This property has to be filled in only if the public pack state had been returned to the end-user by the API
Recall Reason	Yes	The recall reason provided by the OBP when they recalled the batch and returned to the end-user by the API. This property has to be filled in only if the public pack state had been returned to the end-user by the API
Is Intermarket	Yes	Boolean flag that determines if the transaction was processed via Intermarket.
Number Of Attempts	Yes	Number of double dispense/decommission attempts. To be returned only if the Pack Last Update market and location are the same as the ones of the end-user that made the transaction
Is Bulk	Yes	Boolean flag that tells if the transaction was single or bulk
Is Manual	Yes	Boolean flag that tells if the transaction was performed in manual mode
Requested API Version	Yes	Version of the API used to perform the transaction. Will be blank if the client has not specified any version
User-Agent	Yes	User-Agent HTTP header specified within the end-user transaction
IP Address	Yes	IP Address of the end-user client that performed the transaction

Reports - Transaction Log Client Report (2)

The first table in this report details parameters entered or selected by the report requester before the report was generated. Report output is based on this information.

Report Header	
Report Type	Transaction Log Client Report
Report Name	Test NMVO report
Start Date & Time (UTC)	21/03/2019 06:13:59
End Date & Time (UTC)	22/05/2020 17:17:59
Client Organisation ID	7187
Client Organisation Name	Test Wholesaler 1
Client Location ID	47355EA8-CB34-4493-A874-6FC03530FC47
Client Location Name	Test Location 2

If a remote national system is disconnected from the European Hub (e.g. 1 Jan 2025 - Nixit) and an IMT request is made that can only be fulfilled by that system, an A22 error code and message "The product code or batch is unknown locally. Inter-market communication error. Do not retry." will be recorded.

Transaction Log Client Report in CSV format. Full reporting of fields (See other slide for complete list of fields and their descriptions).

```

1 "Report Type","Report Name","Start Date (UTC)","End Date (UTC)","Client Organisation ID","Client
2 "Transaction Log Client Report","Transaction Log Client
3 Report","2024-06-14T09:46:11.000Z","2024-07-15T09:46:11.000Z","4","Test Pharmacy
4 "Date and Time (UTC)","Client Location Name","Client Location ID","Client Equipment ID","Client
5 "2024-07-12T15:16:26.478Z","Test Location 1","8c950dc4-4cbb-482c-8877-e8fbb26bdb66","Michael
6 "Successful Pack Verification","True","GTIN","25621276724576","batch3","241018","sn1","11110100","The pack is
available to be
dispensed.","Active","","","6f2f15e8-700e-43a4-88b7-e3fddc0e8399","","","","","false","","Fals
e","","","PostmanRuntime/7.39.0","80.192.50.47"
    
```

Simplified Report content – PDF format

Report Details										
Date and Time (UTC)	Transaction Type	Target Pack State	Transaction Successful	Product Code Scheme	Product Code	Batch Number	Batch Expiry Date	Serial Number	Operation Code	Returned Pack State
12/07/2024 15:16:26	Verify		True	GTIN	25621276724576	batch3	241018	sn1	11110100	Active
Client Location ID	8c950dc4-4cbb-482c-8877-e8fbb26bdb66									
Client Equipment ID	Michael Equipment 1 Test									
Event Name	Successful Pack Verification									
Event Message	The pack is available to be dispensed.									
Alert ID										

Rows will repeat in multiples for each transaction performed.

Reports - Returned Packs Client Report

This report provides a list of packs flagged as suspicious transaction for a given location and time period. It is available via a networked API call into the NMVS (also available via Admin portal). The report includes the Unique Pack Return Code generated for each suspicious transaction as well as any serialisation data. Note the serialisation data supplied is potentially falsified and may not be in the EMVS data bases. The report may be used to retrieve the unique pack return codes for packs in cases where the user was unable to print/write down the unique pack return code at the time the pack return code was issued.

The first table in this report details parameters entered or selected by the report requester before the report was generated. Report output is based on this information.

Report Header	
Report Type	Returned Packs Client Report
Report Name	Test NMVO report
Start Date & Time (UTC)	21/03/2019 06:13:59
End Date & Time (UTC)	22/05/2020 06:17:59
Client Location ID	47355EA8-CB34-4493-A874-6FC03530FC47

Note: Location Id is optional but if a User is linked to only one location the field will not appear on the request dialog and the User's location will be used implicitly. If a User is linked to more than one location, or is an organizational user (no location assigned) the dropdown select list will only be populated with locations that the user has access to.

Report visibility: Any user that is assigned the same location, or an organisation level user (no set locations), can see the generated report.

'Location Id' has an associated dropdown containing all locations for the Local Organisation. It can help in finding the correct location Id.

If the actor requesting the report is a location user, then the list of locations IDs will be limited to their associated locations.

Returned Packs Client report request dialogue

Returned Packs Client Report ✕

Latest available data: 23/08/2024 07:59:44 UTC
Next data update: 23/08/2024 08:30:00 UTC

Provides a list of packs flagged as suspicious for a specified location and time period.

* Report Name

* Start Date (UTC)

* End Date (UTC)

Location Id

Select...

Location 2

Test Location 1

End Date must be within 31 days of Start Date.

Date and Time of the Returned Packs	Product code scheme associated to the transaction. GTIN or PPN.	Product code associated to the transaction.	Batch number of the product associated to the transaction.	Serial number of the Pack associated to the transaction.	Unique Pack Return Code generated for each suspicious transaction.
Report Details					
Date and Time (UTC)	Product Code Scheme	Product Code	Batch Number	Pack Serial Number	UPRC
19/05/2020 10:50:00	GTIN	116533560324 14	000002	11IV79ZOVGYXI70UJ92Q	XX-KT9-6ZL-QGG-EPZ-DBY
19/05/2020 10:50:00	GTIN	116533560324 14	000002	109SR4I18PYT16O4RV33	XX-KT9-6ZL-RPP-PHC-9X8
19/05/2020 10:50:00	GTIN	116533560324 14	000002	11SS48Y2SMEIX3U3CQMW	XX-KT9-6ZL-UD9-LAW-J9Z
19/05/2020 10:56:42	GTIN	116533560324 14	000002	11IV79ZOVGYXI70UJ92Q	XX-KT9-76A-8SK-Z2D-ZVF
19/05/2020 10:56:42	GTIN	116533560324 14	000002	109SR4I18PYT16O4RV33	XX-KT9-76A-AVV-CGW-LV8
19/05/2020 10:56:42	GTIN	116533560324 14	000002	11SS48Y2SMEIX3U3CQMW	XX-KT9-76A-CCX-8VL-78P

Reports - Product Catalogue Data Client Report

This report provides a list of all products currently stored in the product catalogue, together with details of the market authorisation holder and designated wholesalers. It is available via a networked API call into the NMVS (also available via Admin portal).

The first table in this report details parameters entered or selected by the report requester before the report was generated. Report output is based on this information.

Report Header	
Report Type	Product Catalogue Data Client Report
Report Name	Product Catalogue Data Client Report
Start Date & Time (UTC)	24/03/2020 16:37:00
Product Code	
Product Code Scheme	

Product Catalogue Data Client Report x

Latest available data: 21/07/2023 08:20:00 UTC

Lists some or all of the products in the product catalogue.

* Report Name

Start Date (UTC)

Product Code

Product code scheme specified during the report request, or all product code schemes applicable if no scheme was supplied. GTIN or PPN.

Product code number specified during the report request, or all product code numbers applicable if no product code was supplied.

Date and time when the product was **first** uploaded **or updated**.

Current product state. Active \ Withdrawn

Free text name of the product as entered by the product owner

Doses in pack

Strength of product.

National Healthcare Reimbursement Number, if applicable in the market.

Field used by EMA. Format is PRDnnnnnn

Product Catalogue Data Client report request dialogue

Report Details

Product Code Scheme	Product Code	Update Date	Product State	Name	Common Name	Pack Size	Strength	Pack Type	National Code	Article 57 Code
GTIN	10191817161552	24/04/2020 10:20:00	Active	R6.1 Bug Repro-2	Common Name for product	20	200	APPLICATOR	NS Code	57code
Form	BUCCAL FILM									
MAH ID	MAH ID New R6.1-1									
MAH Name	MAH Name New R6.1-1									
MAH Address	MAH Street New R6.1									
MAH Town	MAH City New R6.1									
MAH Postcode	Postcode									
MAH Country	GB									
Wholesaler Details	Wholesaler ID: Whole ID, Wholesaler Name: Whole Name, Wholesaler Address 1: Whole Street, Wholesaler Address 2: Whole Street, Wholesaler Town: Whole City, Wholesaler Postcode: Postcode, Wholesaler Country: xx									

Title row for product that is described in the next 8 rows.

Pharmaceutical form of product

MAH name.

MAH ID number.

MAH postal address, postcode & country.

All designated wholesaler details in string format.

Rows will repeat in multiples for each product returned.

Reports - Contracted Wholesalers Stakeholder Report

This report lists the contracted wholesalers for a given product. It is available via networked API call (also available via Admin portal).

The URS requires that this report is provided to client systems (pharmacists and wholesalers). However, this is now redundant after inclusion of additional requirements for product data download capabilities. Client systems can make programmatic requests to obtain the list of contracted wholesalers for a single product code or a list of product codes. In addition, they can programmatically request a report that provides this information for every product in the NMVS product catalogue.

The first table in this report details parameters entered or selected by the report requester before the report was generated. Report output is based on this information.

Report Header	
Report Type	Contracted Wholesalers Stakeholder Report
Report Name	Contracted Wholesalers Stakeholder Report
Date & Time (UTC)	24/04/2020 16:35:50
Product Code Scheme	GTIN
Product Code	97774433090018

Contracted Wholesalers Stakeholder Report x

Latest available data: 21/07/2023 08:20:00 UTC

List of all Contracted Wholesalers for a given product.

* Report Name

* Product Code

Contracted Wholesalers Stakeholder report request dialogue

Unique Wholesaler ID. Assigned during on-boarding to the EMVS.

Report Details						
ID	Name	Address Line 1	Address Line 2	City	Postcode	Country Code
Whole ID	Whole Name	Whole Street	Whole Street	Whole City	Postcode	xx

Rows will repeat in multiples for each wholesaler returned.

Country of Wholesaler.

Reports – End User Reports

There are three reports categorised as “end-user” reports:

- End User Pack Audit Trail Report (PATR or PAT)
- End User Pack Disclosure Report (PDR)
- End User Batch Disclosure Report (BDR)

These reports give the end-user the possibility to request a list of transactions carried out at their location against a specific unique identifier or Unique Pack Return Code (UPRC) - aka Alert Code.

Each report can be requested in either the full version or "simplified" version which only includes the most important properties. Also note that the reports can be supplied in various output formats (JSON, CSV, Excel) but only the simplified version can be supplied in PDF format as well.

The reports will only make available to the end user the audit points generated by their own organisation. They will not have visibility of any audit points generated by parties who do not belong to the requesting organisation.

The properties that are reported on in the *content* of the reports are in the table here. Any differences among the three reports over which fields are outputted are indicated.

Fields that are outputted / reported on

Property	Only for full version	Description
Date and Time (UTC)	No	Timestamp of the audit event raised
Client Location Name	No	Location name of the client equipment that performed the transaction
Client Location ID	Yes	Location ID of the client equipment that performed the transaction
Client Equipment ID	Yes	Equipment ID of the client that performed the transaction, or "EVA" if the transaction was performed via the Emergency Verification Portal
Client ID	Yes	Client ID of the client equipment that performed the transaction
Transaction Type	No	Type of transaction performed by the end user. Possible values are - Verify - State Change - Product Download
Target Pack State	No	For pack state changes only, the target pack state the end-user attempted to change the pack to
Event Name	Yes	User friendly name of the audit event describing the outcome of the performed transaction
Transaction Successful	Yes	Boolean flag that determines if the transaction was successful or not
Batch Number	Yes	(PAT, PDR Only) Batch identifier that has been provided in the end-user transaction
Batch Expiry Date	Yes	(PAT, PDR Only) Batch expiry date that has been provided in the end-user transaction
Serial Number	No	(BDR Only) Serial number of the pack that has been provided in the end-user transaction
Operation Code	No	Operation code returned to the end-user by the transaction
Event Message	No	Informational or warning message returned by the API to the end-user, for successful or unsuccessful transactions, localised with the language requested by the end-user when they made the transaction
Returned Pack State	No	The public state of the pack after the performed transaction. This property has to be filled in only if the public pack state had been returned to the end-user by the API, hence when the 5th and 6th digit of the operation code was "00"
Alert ID	No	UPRC returned by the Verification API
Error Code	Yes	For alerts only, the EMVS Error code returned to the end-user by the API, e.g. A3, A68 etc
Transaction ID	Yes	The identifier of the end-user transaction
Is Intermarket	No	Boolean flag that determines if the transaction was processed via Intermarket.
Number Of Attempts	Yes	Number of double dispense/decommission attempts. To be returned only if the Pack Last Update market and location are the same as the ones of the end-user that made the transaction
Is Bulk	No	Boolean flag that tells if the transaction was single or bulk
Is Manual	No	Boolean flag that tells if the transaction was performed in manual mode
Requested API Version	Yes	Version of the API used to perform the transaction. Will be blank if the client has not specified any version
User-Agent	Yes	User-Agent HTTP header specified within the end-user transaction
IP Address	Yes	IP Address of the end-user client that performed the transaction

Reports – End-User Batch Disclosure Report (Full)

This report details every audit point performed by transactions related to a specific product and batch ID combination, conducted by the requesting local organisation. It can be filtered to provide only transactions by a particular location within the organisation. The report content is based on the existing Transaction Log Client Report without time constraints, but focused on a particular end-user provided product and batch.

Report formats available to download are: CSV and Excel

Batch Disclosure Report request dialogue

End User Batch Disclosure Report

Latest available data: 14/08/2024 16:29:07 UTC
Next data update: 14/08/2024 17:00:00 UTC

The report lists all audit points raised by the end user local organisation, or location, related to a specified product batch over its lifetime.

* Report Name: End User Batch Disclosure Report

* Product Code: GTIN

* Batch Number: [Empty]

Location Id: [Empty] Select...

Return Simplified View:

Go back Request Report Close

Full report produced if 'Return Simplified View' not checked

Description of the fields in the content that are reported are given in a different slide.

Sample Report Header – Excel format

Report Type	End User Pack Audit Trail Report
Report Name	End User Pack Audit Trail Report
Date Requested (UTC)	2024-08-15T04:16:42.392Z
Product Code Scheme	GTIN
Product Code	12062486700107
Product Name	Pack Audit Trail Generated Product 2
Serial Number	sn2

Sample Report Content - Excel format

Date and Time (UTC)	Transaction Type	Target Pack State	Client Location Name	Operation Code	Event Message	Returned Pack State	Alert ID	Error Code	Is Bulk	Is Manual	Is Intermarket
2024-08-14T14:40:48.260Z	Verify	-	Test Location 1	11110100	The pack is available to be dispensed.	Active	-	-	FALSE	FALSE	FALSE
2024-08-14T14:42:14.385Z	Verify	-	Test Location 1	11110100	The pack is available to be dispensed.	Active	-	-	FALSE	FALSE	FALSE
2024-08-14T14:42:33.001Z	Verify	-	Test Location 1	11110100	The pack is available to be dispensed.	Active	-	-	FALSE	FALSE	FALSE
2024-08-14T14:43:00.279Z	Verify	-	Test Location 1	11110100	The pack is available to be dispensed.	Active	-	-	FALSE	FALSE	FALSE
2024-08-14T14:50:53.510Z	Verify	-	Test Location 1	11110100	The pack is available to be dispensed.	Active	-	-	FALSE	FALSE	FALSE
2024-08-14T14:51:05.267Z	Verify	-	Test Location 1	11110100	The pack is available to be dispensed.	Active	-	-	FALSE	FALSE	FALSE
2024-08-14T14:51:07.937Z	Verify	-	Test Location 1	11110100	The pack is available to be dispensed.	Active	-	-	FALSE	FALSE	FALSE
2024-08-14T14:51:09.743Z	Verify	-	Test Location 1	11110100	The pack is available to be dispensed.	Active	-	-	FALSE	FALSE	FALSE
2024-08-14T14:51:19.903Z	Verify	-	Test Location 1	41020007	The batch identifier mismatches the recorded batch identifier. The length or format does not match what has been uploaded. Possible scanner or software malfunction. An alert has been raised.	-	XX-MFX-3Q7-ZUC-RQH-W81	A68	FALSE	FALSE	FALSE
2024-08-14T14:51:30.113Z	Verify	-	Test Location 1	11110100	The pack is available to be dispensed.	Active	-	-	FALSE	FALSE	FALSE

Reports – End-User Batch Disclosure Report (Simplified)

This report details every audit point performed by transactions related to a specific product and batch ID combination. The report content is based on the existing Transaction Log Client Report without time constraints, but focused on a particular end-user provided product and batch. This version (Simplified) includes only the most important properties.

Download Formats: PDF, CSV, Excel.

Batch Disclosure Report request dialogue

End User Batch Disclosure Report ✕

Latest available data: 23/08/2024 09:29:04 UTC
Next data update: 23/08/2024 10:00:00 UTC

The report lists all audit points raised by the end user local organisation, or location, related to a specified product batch over its lifetime.

* Report Name:

* Product Code:

* Batch Number:

Location Id:

Return Simplified View

PDF format reports are only produced when the 'Return simplified View' checkbox is ticked. The simplified report version includes only the most important properties

Sample Report Header content - PDF format - Simplified

Report Header	
Report Type	End User Batch Disclosure Report
Report Name	Batch Disclosure - Simplified
Date Requested (UTC)	23/08/2024 09:42:03
Product Code Scheme	GTIN
Product Code	00516858782482
Product Name	ds Generated Product 3
Batch ID	batch3
Location ID	-

Description of the fields in the content that are reported are given in a different slide.

Sample Report Content - PDF format – Simplified

Report Details											
Date and Time (UTC)	Transaction Type	Target Pack State	Client Location Name	Serial Number	Operation Code	Alert ID	Error Code	Returned Pack State	Is Bulk	Is Manual	Is Intermarket
23/08/2024 09:16:35	Verify	-	Location 3	sn1	11111100	-	-	Recalled (Batch: Recalled)	false	false	false
Event Message		The batch has been recalled.									
23/08/2024 09:18:22	Verify	-	Location 3	sn2	11111100	-	-	Recalled (Batch: Recalled)	false	false	false
Event Message		The batch has been recalled.									
23/08/2024 09:18:51	Verify	-	Location 3	sn5	41020009	XX-MG8-0LN-R4Y-1A2-LEK	A68	-	false	false	false
Event Message		The batch identifier mismatches the recorded batch identifier. The length or format does not match what has been uploaded. Possible scanner or software malfunction. An alert has been raised.									
23/08/2024 09:20:13	Verify	-	Location 3	sn4	41020008	XX-MG8-0N1-CJR-6J7-KPK	A68	-	false	false	false
Event Message		The batch identifier mismatches the recorded batch identifier. The length or format does not match what has been uploaded. Possible scanner or software malfunction. An alert has been raised.									

Reports – End-User Pack Disclosure Report (Full)

This report details every verification audit point performed by transactions linked with a provided Unique Pack Return Code (UPRC). The report content is based on the existing Transaction Log Client Report without time constraints, but focused on a particular product-pack as a result of a provided UPRC. Note that the location of the alert must match that of the client requesting the report, or be of the same organisation if the client is not associated with any location.

Report formats available to download are: CSV and Excel

Pack Disclosure report request dialogue

End User Pack Disclosure Report

Latest available data: 14/08/2024 09:59:35 UTC
Next data update: 14/08/2024 10:30:00 UTC

Given a Unique Pack Return Code the report lists all audit points raised by the end user local organisation, or location, related to a specified product pack over its lifetime.

* Report Name: End User Pack Disclosure Report

* Unique Pack Return Code (UPRC):

Return Simplified View: ← Full report produced if 'Return Simplified View' not checked

Go back Request Report Close

Sample Report Header content - Excel format

Report Type	End User Pack Disclosure Report
Report Name	Pack Disclosure - Full
Date Requested (UTC)	2024-08-23T10:34:35.750Z
UPRC	XX-MG8-OLN-R4Y-1A2-LEK
Product Code Scheme	GTIN
Product Code	00516858782482
Product Name	ds Generated Product 3
Serial Number	sn5

Description of the fields in the content that are reported are given in an earlier slide.

Sample Report Content - Excel format

Date and Time (UTC)	Transaction Type	Event Name	Transaction ID	Target Pack State	Client Location ID	Client Location Name	Client Equipment ID	Client Requested ID	User-Agent API Version	Batch ID	Batch Expiry Date	Transaction Successful	Operation Code	Event Message	Alert ID	Error Returned Code	Is Pack State	Is Bulk	Is Manual	Is Intermarket	Number Of Attempts
2024-08-23T09:18:51.153Z	Verify	Pack Verification Failed Because Of Batch ID Mismatch	b1af0d2e-4a17-4dd5-b7a1-e26cea39856d	-	17bede95-5-2121-4b34-90b1-1bc5979a1933	Location 3	LocnThree Eq1	87e0a-e05-10ab-4f2a-a3fd-e00438c5ace0	PostmanRuntime/7.40.0	batch3	251200	FALSE	41020009	The batch identifier mismatches the recorded batch identifier. The length or format does not match what has been uploaded. Possible scanner or software malfunction. An alert has been raised.	XX-MG8-OLN-R4Y-1A2-LEK	A68-	FALSE	FALSE	FALSE	-	

Reports – End-User Pack Disclosure Report (Simplified)

This report details every verification audit point performed by transactions linked with a provided Unique Pack Return Code (UPRC). This version (Simplified) includes only the most important properties.

Download Formats: PDF, CSV, Excel.

Pack Disclosure report request dialogue

End User Pack Disclosure Report

Latest available data: 23/08/2024 10:29:41 UTC
Next data update: 23/08/2024 11:00:00 UTC

Given a Unique Pack Return Code the report lists all audit points raised by the end user local organisation, or location, related to a specified product pack over its lifetime.

* Report Name: Pack Disclosure - Simplified

* Unique Pack Return Code (UPRC): XX-MG8-0LN-R4Y-1A2-LEK

Return Simplified View

Go back Request Report Close

Sample Report Header – PDF format

Report Header	
Report Type	End User Pack Disclosure Report
Report Name	Pack Disclosure - Simplified
Date Requested (UTC)	23/08/2024 10:33:56
UPRC	XX-MG8-0LN-R4Y-1A2-LEK
Product Code Scheme	GTIN
Product Code	00516858782482
Product Name	ds Generated Product 3
Serial Number	sn5

PDF format reports are only produced when the 'Return simplified View' checkbox is ticked. The simplified report version includes only the most important properties

Sample Report Content - PDF format

Report Details										
Date and Time (UTC)	Transaction Type	Target Pack State	Client Location Name	Operation Code	Alert ID	Error Code	Returned Pack State	Is Bulk	Is Manual	Is Intermarket
23/08/2024 09:18:51	Verify	-	Location 3	41020009	XX-MG8-0LN-R4Y-1A2-LEK	A68	-	false	false	false
Event Message		The batch identifier mismatches the recorded batch identifier. The length or format does not match what has been uploaded. Possible scanner or software malfunction. An alert has been raised.								

Description of the fields in the content that are reported are given in a different slide.

Reports – End-User Pack Audit Trail Report (Full)

This report details every audit point performed by transactions linked to a specific unique pack identifier, conducted by the requesting local organisation. The report content is based on the existing Transaction Log Client Report without time constraints, but focused on a particular product-pack.

Report formats available to download are: CSV and Excel

Pack Audit Trail Report request dialogue

End User Pack Audit Trail Report ✕

Latest available data: 23/08/2024 10:50:17 UTC
Next data update: 23/08/2024 11:30:00 UTC

Lists all audit points raised by the end user local organisation, or location, related to a specified pack over its lifetime.

* Report Name:

* Product Code:

* Serial Number:

Return Simplified View

Full report produced if 'Return Simplified View' not checked

Sample Report Header content - Excel format

Report Type	End User Pack Audit Trail Report			
Report Name	Pack Audit Trail - Full			
Date Requested (UTC)	2024-08-23T11:15:17.612Z			
Product Code Scheme	GTIN			
Product Code	00516858782482			
Product Name	ds Generated Product 3			
Serial Number	sn1			

Sample Report Content - Excel format

Date and Time (UTC)	Transaction Type	Event Name	Transaction ID	Target Pack State	Client Location ID	Client Location Name	Client Equipment ID	Client ID	Requested API Version	User-Agent	Batch ID	Batch Expiry Date	Transaction Successful	Operation Code	Event Message	Alert ID	Error Code	Returned Pack State	Is Bulk	Is Manual	Is Intermarket	Number Of Attempts
2024-08-23T09:16:35.561Z	Verify Pack	Successful Pack Verification	57151f79-692c-403a-b1a2-9058519b2e31	-	17bede95-2121-4b34-90b1-1bc5979a1933	Location 3	LocnThree Eq1	87e0ae05-10ab-4f2a--a3fd-e00438c5ace0		PostmanRuntime/7.40.0	batch 2512003		TRUE	11111100	The batch has been recalled.	-	-	Recalled (Batch: Recalled)	FALSE	FALSE	FALSE	-

Description of the fields in the content that are reported are given in an earlier slide.

Reports – End-User Pack Audit Trail Report (Simplified)

This report details every audit point performed by transactions linked to a specific unique pack identifier, conducted by the requesting local organisation. This version (Simplified) includes only the most important properties.

Download Formats: PDF, CSV, Excel.

Pack Audit Trail Report request dialogue

End User Pack Audit Trail Report ✕

Latest available data: 23/08/2024 10:29:41 UTC
Next data update: 23/08/2024 11:00:00 UTC

Lists all audit points raised by the end user local organisation, or location, related to a specified pack over its lifetime.

* Report Name

* Product Code

* Serial Number

Return Simplified View

PDF format reports are only produced when the 'Return simplified View' checkbox is ticked. The simplified report version includes only the most important properties

Sample Report Header content - PDF format

Report Header	
Report Type	End User Pack Audit Trail Report
Report Name	Pack Audit Trail - Simplified
Date Requested (UTC)	23/08/2024 11:14:50
Product Code Scheme	GTIN
Product Code	00516858782482
Product Name	ds Generated Product 3
Serial Number	sn1

Description of the fields in the content that are reported are given in an earlier slide.

Sample Report Content - PDF format

Report Details										
Date and Time (UTC)	Transaction Type	Target Pack State	Client Location Name	Operation Code	Alert ID	Error Code	Returned Pack State	Is Bulk	Is Manual	Is Intermarket
23/08/2024 09:16:35	Verify	-	Location 3	11111100	-	-	Recalled (Batch: Recalled)	false	false	false
Event Message		The batch has been recalled.								

Reports – Organisation Administration Activity Report

This report lists an audit trail of events of all administration operations performed against the organisation of the report requester.

Report request dialog

Organisation Administration Activity Report ✕

Latest available data: 15/08/2024 04:29:44 UTC
Next data update: 15/08/2024 05:00:00 UTC

Provides an audit trail of changes performed within the organisation.

* Report Name:

Start Date (UTC):

End Date (UTC):

Location Id: Select...

Client Id: Select...

'Latest available date' shows the last time events were ingested. 'Next data update' shows the next ingestion run.

Report can be filtered by timerange, locations that requesting user has access to, and client ids for those locations.

Note: If requesting user is assigned to one location, the location dropdown selection will not appear on the dialog.

First table in report (Report Header) which shows request parameters

Report Header	
Report Type	Organisation Administration Activity Report
Report Name	Organisation Administration Activity Report
Date Requested (UTC)	16/07/2024 08:13:53
Start Date (UTC)	15/07/2024 08:00:00
End Date (UTC)	-
Organisation ID	4
Organisation Name	Test Pharmacy 1
Location ID	-
Location Name	-
Client ID	-

Property	Description
Transaction ID	The unique identifier of the transaction
Date & Time (UTC)	Timestamp of the administration audit event
Actor	Type of actor that performed the action, possible values are NMVO, System and Organisation
By User	Email address of the user within the organisation that performed the action, or the client ID if the action had been performed via API. If the action had been performed by the NMVO or by the System, this field will be left blank.
Event Name	User friendly name of the administration event
Details	This field aims to capture the relevant details of the action performed

Report Details			
Date & Time (UTC)	Actor	By User	Event Name
Transaction ID	279d1d4c-fcdd-496b-93c2-b873ce8dcece		
Details	Client ID: a4ce775d-17cb-48c1-bf77-fe242955c89b Client Name: cool Client Roles: Full Access		
15/07/2024 13:16:58	Organisation	pharmacysuperuser@example.com	Client Added
Transaction ID	1c8b888b-b320-4ac7-aa6c-9ca437ec87dc		
Details	Client ID: b3a1e0e8-60e8-488d-9133-63d67c65363d Client Name: sgReportClient Client Roles: Full Access		
15/07/2024 13:57:19	Organisation	pharmacysuperuser@example.com	Client Added
Transaction ID	d437b88a-48f4-4c80-9de8-8107bbd46042		
Details	Location ID: 8c950dc4-4cbb-482c-8877-e8fb26bdb68 Location Name: Test Location 1 Client ID: 4885d2be-1b67-42b7-ac8a-fe4e8573b14f Client Name: eq Client Roles: Full Access Current Active/Suspended clients in location: 4		
15/07/2024 14:24:04	Organisation	pharmacysuperuser@example.com	Location Added
Transaction ID	400490b4-dfe2-4179-9f64-91aaf553bc8c		
Details	Location ID: 0ef846b5-0ca2-4c29-9e82-c989462258a8 Location Name: Location 3 Location Address: Via Timavo, 37, Bari, 70124 BA Legitimacy Information: ABC12345 Current Locations in organisation: 2		
15/07/2024 14:24:55	NMVO		Location Approved
Transaction ID	a83d24fa-6fcd-4b3e-bab8-1834552648bf		
Details	Location ID: 0ef846b5-0ca2-4c29-9e82-c989462258a8 Location Name: Location 3 Legitimacy Information: ABC12345		
15/07/2024 14:25:22	Organisation	pharmacysuperuser@example.com	Client Added
Transaction ID	289d1159-2742-4bd1-bbeb-532260f75722		
Details	Location ID: 0ef846b5-0ca2-4c29-9e82-c989462258a8 Location Name: Location 3 Client ID: c93a6d79-6127-45e4-91d6-aabf0f3f3156 Client Name: BariTone Equipment 1 Client Roles: Full Access Current Active/Suspended clients in location: 1		
15/07/2024 14:25:29	Organisation	pharmacysuperuser@example.com	Client Secondary Secret Created
Transaction ID	deb62ce4-3aad-447f-817a-0a1531af2944		
Details	Location ID: 0ef846b5-0ca2-4c29-9e82-c989462258a8 Location Name: Location 3 Client ID: c93a6d79-6127-45e4-91d6-aabf0f3f3156 Client Name: BariTone Equipment 1 Performed Via: Portal		
15/07/2024 14:25:35	Organisation	pharmacysuperuser@example.com	Client Primary Secret Regenerated
Transaction ID	9a29b510-0688-42b6-b1ac-9935c6b0b773		
Details	Location ID: 0ef846b5-0ca2-4c29-9e82-c989462258a8 Location Name: Location 3 Client ID: c93a6d79-6127-45e4-91d6-aabf0f3f3156 Client Name: BariTone Equipment 1		

User Roles

User Roles - Local Organisation Super User

The 'User Roles' page allows the user to define new roles, manage existing roles, and delete existing roles.

NOTE: *Client Roles* allow fine-grained control access to client credentials, defining who can generate, read and exclude reports on a per report basis. *Client Roles* also controls which users can perform pack state changes and verifications. (To control access to all other part of the system, *User Roles* would be used to set these other permissions)

Role name and description describe the purpose of the role. These can be modified for non-immutable roles.

To create a new user role click the 'Create' button. The 'Create User Role' dialog will popup. This functionality is described in the next slide.

The portal has pre-defined roles for each Local Organisation type.

The 'Roles' dropdown box presents the list of existing roles. The Super User role has all available permissions, and the role cannot be modified.

Wholesaler pre-defined roles are:

- Wholesaler Super User
- Wholesaler Administrator
- Stock Checker

Pharmacy pre-defined roles are:

- Pharmacy Super User
- Pharmacy Administrator
- Pharmacist User

Access User Roles from the home page by clicking on the 'User Roles' tab

Fundamental to the management of User Roles is the ability to define and manage the Role Permissions associated with a Role type.

Update permissions:

Permissions can be enabled or disabled by toggling.

Home > User Roles

Medicines Verification Administration Portal

User Roles

Create

* Roles

Stock Checker

Stock Checker

Allows the user to perform transactions using the Emergency Verification Portal

Category	Permission	Description	
All			
Client Credentials	Control	Allows the actor to view, create and delete API client credentials	
Client Roles	Control	Allows the actor to create, update and delete roles for their client credentials	
Equipment	Control	Allows the actor to create, update and delete client equipment within their organisation	
Locations	Control	Allows the actor to create and update locations within their organisation	
Packs	MarkAsDestroyed	Allows the actor to mark a pack or packs as destroyed	<input checked="" type="checkbox"/>
Packs	MarkAsExported	Allows the actor to mark a pack or packs as exported	<input checked="" type="checkbox"/>
Packs	MarkAsLocked	Allows the actor to mark a pack or packs as locked	<input checked="" type="checkbox"/>
Packs	MarkAsSample	Allows the actor to mark a pack or packs as sample	<input checked="" type="checkbox"/>
Packs	MarkAsStolen	Allows the actor to mark a pack or packs as stolen	<input checked="" type="checkbox"/>
Packs	MarkAsSupplied	Allows the actor to mark a pack or packs as supplied	<input checked="" type="checkbox"/>
Resting	Control	Allows the actor to view and manage IT Supplier Qualification within the NMVS Administration Portal	<input type="checkbox"/>

User Roles - Creating New Roles

1. To create a new role, Click the main 'Create' button. A popup will open.
2. Type a new role name into the Role Name field.
3. There is the option to add a description.
4. Click the 'Create' button on the dialog to add the role. A Toast message is briefly displayed.

Create User Role dialog

Create User Role ✕

* Role name

Description

5. When permissions are enabled/disabled, the 'Update' and 'Revert' buttons become enabled.
6. By default, new roles are created with no permissions. In the 'Assigned' column, grant permissions by (enabling) clicking the specific permission. This is a toggle switch, so revoke a permission by toggling off (disabling).

Note: The user defining or changing the permissions associated with a role can only make changes to the roles whose permissions are available to their user account.

For example, a user without the 'Client Roles/Control' permission may not grant that permission to another role.

Following the creation of a new role, or the modification of an existing role, it is possible to allocate the new or modified role to a user in the 'Users' page.

Home > User Roles

Medicines Verification Administration Portal

The user role 'Local Org Test User Role 1' has been successfully created. ✕

User Roles

* Roles

* Role name

Description

Category	Permission	Description	Assigned
All ▾			All ▾
Client Roles	Control	Allows the actor to create, update and delete roles for their client cred...	<input type="checkbox"/>
Equipment	Control	Allows the actor to create, update and delete client equipment within t...	<input type="checkbox"/>
Locations	Control	Allows the actor to create and update locations within their organisation	<input type="checkbox"/>
Packs	MarkAsDestroyed	Allows the actor to mark a pack or packs as destroyed	<input type="checkbox"/>
Packs	MarkAsSample	Allows the actor to mark a pack or packs as sample	<input type="checkbox"/>
Packs	MarkAsSupplied	Allows the actor to mark a pack or packs as supplied	<input type="checkbox"/>
Qualification Testing	Control	Allows the actor to view, generate qualification test books, reset the te...	<input type="checkbox"/>
Report	ContractedWholesalersStakeholderReport	Allows the actor to create, read and delete Contracted Wholesalers Sta...	<input type="checkbox"/>
Report	Control	Allows the actor to access the report screen in the portal	<input type="checkbox"/>
Report	PackStateChangesClientReport	Allows the actor to create, read and delete Pack State Changes Client R...	<input type="checkbox"/>
Report	ProductCatalogueDataClientReport	Allows the actor to create, read and delete Product Catalogue Data Clie...	<input type="checkbox"/>

The Permissions table shows the name and description of each user permission, and the category it belongs to. By default, the local org 'Super User' role has all permissions.

User Roles – Updating existing roles

Note: The user defining or changing the permissions associated with a role can only make changes to the roles whose permissions are available to their user account.

For example, a user without the 'Report/Control' permission may not grant that permission to another role.

Role names and descriptions can be changed by editing the Role Name and Description fields respectively.

The Superuser role (and its permissions) cannot be modified in any way.

The other default user roles can be modified, renamed, etc. including permissions.

Update User Role

The permissions associated to the role will be modified, and will be applied to all users associated with the role.

Do you want to update the user role **New Example User Role 1**?

User Roles

* Roles: Local Org Test User Role 1

* Role name: Local Org Test User Role 1.5

Description: Local Org Test User Role 1.5 Description

Category	Permission	Description	Assigned
All ▾			All ▾
Client Roles	Control	Allows the actor to create, update and delete roles for their client cred...	<input checked="" type="checkbox"/>
Equipment	Control	Allows the actor to create, update and delete client equipment within t...	<input type="checkbox"/>
Locations	Control	Allows the actor to create and update locations within their organisation	<input checked="" type="checkbox"/>
Packs	MarkAsDestroyed	Allows the actor to mark a pack or packs as destroyed	<input checked="" type="checkbox"/>

When permissions are enabled/disabled, the 'Update' button becomes enabled.

Click the 'Update' to save the permissions to the new role

Updated permissions.

Permissions can be enabled or disabled by toggling.

User Roles – Reverting changes

1. When permissions are enabled/disabled, the 'Update' and 'Revert' buttons become enabled.

Click 'Revert' to undo changes. The Revert Change dialog will be displayed

Revert ✕

Do you want to revert the changes you have made?

2. To confirm reversion of the changes, click the 'Revert' button on the 'Revert' popup dialog.

User Roles

* Roles

* Role name

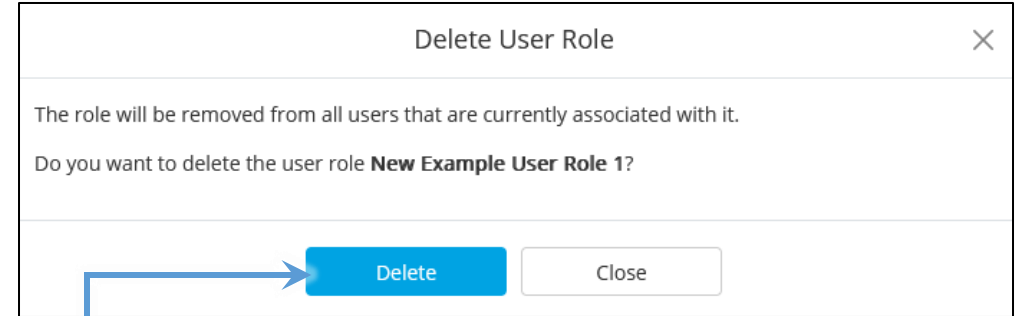
Description

Category	Permission	Description	Assigned
<input type="button" value="All"/>			<input type="button" value="All"/>
Client Roles	Control	Allows the actor to create, update and delete roles for their client cred...	<input checked="" type="checkbox"/>
Equipment	Control	Allows the actor to create, update and delete client equipment within t...	<input type="checkbox"/>
Locations	Control	Allows the actor to create and update locations within their organisation	<input checked="" type="checkbox"/>
Packs	MarkAsDestroyed	Allows the actor to mark a pack or packs as destroyed	<input checked="" type="checkbox"/>

Updated permissions.

Permissions can be enabled or disabled by toggling.

User Roles – Delete a role



1. Click on the 'Delete' button on the User Roles page and the confirm Delete dialog modal will appear.

2. To confirm deletion of the selected role, click the 'Delete' button on the popup dialog.

User Roles

Create

* Roles Local Org Test User Role 1 Update

* Role name Local Org Test User Role 1.5 Revert

Description Local Org Test User Role 1.5 Description Delete

Category	Permission	Description	Assigned
All ▾			All ▾
Client Roles	Control	Allows the actor to create, update and delete roles for their client cred...	<input checked="" type="checkbox"/>
Equipment	Control	Allows the actor to create, update and delete client equipment within t...	<input type="checkbox"/>
Locations	Control	Allows the actor to create and update locations within their organisation	<input checked="" type="checkbox"/>
Packs	MarkAsDestroyed	Allows the actor to mark a pack or packs as destroyed	<input checked="" type="checkbox"/>

Client Roles

Client Roles - Main

Client Roles allow fine-grained control access to client credentials, defining who can generate, read and exclude reports on a per report basis. Client Roles also controls which equipment can perform pack state changes and verifications. (To control access to all other part of the system, User Roles would be used to set these other permissions)

Home > Client Roles
Medicines Verification Administration Portal

Client Roles

Create

* Roles

Full Access

Role name: Full Access

Description: Role with all available permissions assigned

Update

Revert

Delete

Category	Permission	Description	Assigned
All			All
Packs	MarkAsActive	Allows the actor to mark a pack or packs as active (reactivate)	<input checked="" type="checkbox"/>
Packs	MarkAsDestroyed	Allows the actor to mark a pack or packs as destroyed	<input checked="" type="checkbox"/>
Packs	MarkAsSample	Allows the actor to mark a pack or packs as sample	<input checked="" type="checkbox"/>
Packs	MarkAsSupplied	Allows the actor to mark a pack or packs as supplied	<input checked="" type="checkbox"/>
Packs	ProductDataDownload	Allows the actor to retrieve product data from the product catalogue	<input checked="" type="checkbox"/>

Annotations:

- Access Client Roles from the home page by clicking on tab
- Client Roles
- All possible permissions listed in the table
- A description of what feature a particular Permission enables / disables.
- Update button will save changes to Role name / description. By default it is disabled until there are pending changes
- To undo any changes to the permissions before saving / updating, use the "Revert" button. By default it is disabled unless there are pending changes
- Columns are sortable and can be filtered
- Clicking on Create button will open the Create Role dialogue, where the name and details of the new role can be defined.
- To update the name of a Role or its Description, enter the text in the "Role Name" or "Description" text boxes and click the "Update" button
- Clicking on Delete button will open the Delete Role dialogue, where deletion can be confirmed.
- Click to toggle permission On (Granted) or Off (Not Granted) .
- The permissions fall into two broad categories: Report category, that allows a user to generate and manage reports, and these permissions are on a per report basis. Packs category, that allow the user to verify packs and run transactions.

Client Roles – Add

Create Client Role

* Role name: Test Client Role

Description: Test Client Role Description

Create Close

Add

Enter the role name and description. Once the "Create" button is clicked the dialogue will be dismissed, returning user to main client roles page and adding a new user role.

If attempt is made to add a Role with the same name as an existing Role, a validation message will appear

Home > Client Roles

The client role 'Test Role ABC' has been successfully created.

Medicines Verification Administration Portal

Client Roles

Create

* Roles: Test Role ABC [Update]

* Role name: Test Role ABC [Revert]

Description: Role Creation 2 [Delete]

Permission	Description	Assigned
BatchRecallAuditTrailReport	Allows the actor to create, read and delete Batch Recall A...	All [x]

Create Client Role

* Role name: Full Access

Description:

A role with this name already exists.

Create Close

When the new role is created successfully, a confirmation toast message is briefly displayed on the main client roles page.

Client Roles – Update & Revert

Role Name and/or Description changed

The client role 'Test Role ABC' has been successfully updated.

Update and Revert buttons only become enabled when there are pending changes

Permissions changed

Permission	Description	Assigned
BatchRecallAuditTrailReport	Allows the actor to create, read and delete Batch Recall Audit Trail Reports	<input checked="" type="checkbox"/>
BatchRecallStakeholderReport	Allows the actor to create, read and delete Batch Recall Stakeholder Reports	<input checked="" type="checkbox"/>
ConnectingStakeholdersMetricsReport	Allows the actor to create, read and delete Connecting Stakeholders Metrics Reports	<input type="checkbox"/>
ContractedWholesalersStakeholderReport	Allows the actor to create, read and delete Contracted Wholesalers Stakeholder Reports	<input type="checkbox"/>
DailySnapshots	Allows the actor to create, read and delete Daily Snapshots	<input type="checkbox"/>

Update

If the Update button on the main dialogue is clicked, the "Update Client Role" dialogue will appear. Clicking on the Update button in the dialog will save the changes, clicking on "Close" button in the dialogue will simply dismiss the dialogue without the changes being saved.

Update Client Role

The role permissions will be changed, and will be applied to all clients that are currently associated with the role.

Affected Client Ids: **None**

Do you want to update the client role **Test Client Role**?

Update Close

Update Client Role

Do you want to update the client role **Test Client Role**?

Update Close

Update

Different Update Client Role dialogs can appear, depending on whether a change was made in the permissions or not. If a change was made in the permissions, the dialogue will list Client Ids that will be affected by the change.

If the change was just to the Client role name and/or description, the dialogue will not mention Client Ids.

Revert

If the Permissions are changed (Granted / Revoked), or the Role Description is edited, the Revert and Update buttons become enabled. Clicking on the Revert causes a confirmation dialogue to appear. Clicking on "Revert" button on the popup dialogue causes the changes to be undone and the dialogue dismissed.

Revert

Do you want to revert the changes you have made?

Revert Close

Client Roles – Delete

Delete Client Role

The role will be removed from all clients that are currently associated with it.

Affected Client Ids:

- 02c42618-3b01-4acc-b779-8f0ecdd97172

Do you want to delete the client role **Custom Client Role 1**?

Delete

When the role is successfully deleted a confirmation toast message will briefly appear on the main client roles panel

Delete

Clicking the “Delete” button on the Delete dialogue will delete the client role and return the user to the main dialogue. A confirmation message will also be shown.

Home - Client Roles

Medicines Verification Administration Portal

Client Roles

* Roles: Full Access

Role name: Full Access

Description: Role with all available permissions assigned

Category	Permission	Description	Assigned
All			All
Packs	MarkAsActive	Allows the actor to mark a pack or p...	<input checked="" type="checkbox"/>
Packs	MarkAsDestroyed	Allows the actor to mark a pack or p...	<input checked="" type="checkbox"/>
Packs	MarkAsSample	Allows the actor to mark a pack or p...	<input checked="" type="checkbox"/>

The client role 'Custom Client Role 1' has been successfully deleted.

Client Credentials

Client Credentials – Main

This is the main page for managing *Organisational* client credentials, that are not tied to any particular location. From here users can add, update and delete client credentials and their secrets. These credentials cannot perform verifications or pack state changes – only Reports and Secrets categories in Client Roles.

Click the 'Create New Credentials' button to setup new client credentials

Clicking the Information icon for a client role will popup a list of non-verification permissions . E.g., reporting, access control

Row records can be filtered

The columns are sortable. Click a heading to sort or toggle direction.

Use 'Pencil' icon to edit a client credential
Use 'trash' icon to delete client credential

For each credential, the secret(s) linked to it, whether it is primary or secondary, and the date it was created / regenerated

'Credential Name' is a user friendly name given to the credential to identify it.

"Page next", "page previous" and Up/Down page controls can be used to scroll through list of users (depending on number of records)

Client Credentials page can be accessed from main page / tab

Secrets management icons

- Swap icon swaps the secrets so that primary becomes secondary and vice versa**
- Delete icon to remove a secondary secret only**
- Recycle icon to regenerate a secret**
- Information icon to look at details of credential with either its primary or secondary secret. Note that the full secret is not displayed**

Custom Client Role 1

- Report - ContractedWholesalersStakeholderReport:** Allows the actor to create, read and delete Contracted Wholesalers Stakeholder Reports
- Secrets - Control:** Allows the actor to create, regenerate, swap, and delete secrets within their organisation

Table Data:

Credential Name	Client Id	Client Roles	Created Date (UTC)	Client Actions	Secrets
Org CC One - Edited	88f33ab6-b29b-4...	Custom Client Role 1 Full Access	15/08/2024 09:52:20		15/08/2024 - Primary 15/08/2024 - Secondary
Org CC Two	87396116-16f5-4...	Full Access	15/08/2024 10:01:44		15/08/2024 - Primary

Client Credentials – Create Credentials

Home > Client Credentials

Medicines Verification Administration Portal

Create New Credentials

Credential Name	Client Id	Client Roles	Created Date (UTC)	Client Actio...	Secrets
Org CC One	b9fde687-70ce-472...	Custom Client Role 1 Full Access	23/09/2024 16:16:08		23/09/2024 - Primary 23/09/2024 - Secondary
Org CC Two	7bdbe587-2a73-40b...	Custom Client Role 2	23/09/2024 16:15:51		23/09/2024 - Primary
Org CC Three	9072edcd-5f90-406...	Custom Client Role 1 Custom Client Role 2	23/09/2024 16:15:32		23/09/2024 - Primary
Org CC Four	b74d37e2-f643-430...	Full Access	23/09/2024 16:15:06		23/09/2024 - Primary
Org CC Five	400a9b4f-3a7b-4d7...	Custom Client Role 1	23/09/2024 16:14:49		23/09/2024 - Primary

Previous page Page 1 of 5 rows Next page

1. On the main Client Credentials page click the 'Create New Credentials' button. The Create Credentials dialog will popup.

2. Type a name for the credential and select the desired role(s) from the Client Roles dropdown. The 'Create' button will become enabled. Click it.

Both fields are mandatory and multiple roles can be selected for the Client Role dropdown. Client roles can be defined on the *Client Roles* section.

Create New Credentials

* Credential Name

* Client Roles

Custom Client Role 1
Full Access: Role with all available permissions assigned

3. Click 'Create' button. The client credentials will be generated and displayed in a popup

The credentials should be noted down because this is the only time that the secret will be displayed

4. Click 'Close' on credentials popup. User is returned to client credentials page where the newly created credentials will be displayed

Primary Client Credentials

These Client Credentials will be shown one time on the screen. Please copy them to configure your client system!

Credential Name

Client Id




Client Secret

Client Credentials – Edit Credentials

Home > Client Credentials

Medicines Verification Administration Portal

Create New Credentials

Credential Name	Client Id	Client Roles	Created Date (UTC)	Client Actions	Secrets
Org CC One - Edited	88f33ab6-b29b-4...	Custom Client Role 1 Full Access	15/08/2024 09:52:20		15/08/2024 - Primary 15/08/2024 - Secondary
Org CC Two	87396116-16f5-4...	Full Access	15/08/2024 10:01:44	 	15/08/2024 - Primary

Previous page Page 1 of 1



1. On the main Client Credentials page click the Edit icon beside the particular credential to make changes to it. The Edit Credentials dialog will popup.

Org CC One

* Credential Name

* Client Roles

Custom Client Role 1
Full Access: Role with all available permissions assigned

2. Make any desired changes then click the 'Update' button to confirm. The changes should be reflected on the credentials table.

Client Credentials – Delete Credentials

Home > Client Credentials

Medicines Verification Administration Portal

Create New Credentials

Credential Name	Client Id	Client Roles	Created Date (UTC)	Client Actions	Secrets
Org CC One - Edit...	88f33ab6-b29b-4...	Custom Client Role - Full Access	15/08/2024 09:52:20		15/08/2024 - Primary 15/08/2024 - Secondary
Org CC Two	87396116-16f5-4...	Full Access	15/08/2024 10:01:4		15/08/2024 - Primary

The client credential 'Org Credential 3' has been successfully deleted.



1. On the main Client Credentials page click the Edit icon beside the particular credential to make changes to it. The Edit Credentials dialog will popup.

2. Click the 'Delete' button. Dialog is dismissed and user is returned to credentials main page and a toast message is displayed.





Credentials table on main page is updated

Delete Client Credential

Do you want to delete the client credential with name **Org Credential 3**?

Client Credentials – Create Secondary Secret

Create New Credentials

Credential Name	Client Id	Client Roles	Created Date (UTC)	Client Actions	Secrets
Org CC One - Edited	88f33ab6-b...	Custom Client Role 1 Full Access	15/08/2024 09:52:20	 	15/08/2024 - Primary 15/08/2024 - Secondary
Org CC Two	87396116-1...	Full Access	15/08/2024 10:01:44	 	15/08/2024 - Primary 15/08/2024 - Secondary



1. When the plus icon is clicked the 'Create Secondary Secret' dialog pops up. Note that secondary secrets can be created for credentials that only have primary secrets

Create Secondary Secret - Org CC Two

A secondary secret will be created for the client credentials. Do you want to proceed?

3. Click 'Close' to close the credentials popup and return to Credential page. After the secondary secret is created, an entry appears in the Credentials table with the designation and date of creation of the secondary secret

Secondary Client Credentials

These Client Credentials will be shown one time on the screen! Please copy them to configure your client system!

Credential Name Org CC Two





Client Id 87396116-16f5-445f-827d-042dff46744b

Client Secret eceb631f-3e74-4c55-bf9b-eb61f2406fa7

2. Click the 'Create' button to create the secondary secret. Details of the credentials including secondary secret will be displayed. Note that the client id is the same as for the primary secret, and the secret will be displayed only ONCE.

Client Credentials – Regenerate Primary Secret

Create New Credentials

Credential Name	Client Id	Client Roles	Created Date (UTC)	Client Actions	Secrets
Org CC One - Edited	88f33ab6-b...	Custom Client Role 1 Full Access	15/08/2024 09:52:20	 	15/08/2024 - Primary 15/08/2024 - Secondary
Org CC Two	87396116-1...	Full Access	15/08/2024 10:01:44	 	15/08/2024 - Primary 15/08/2024 - Secondary



1. When the double arrow icon is clicked the 'Regenerate Primary Secret' dialog pops up.

Regeneration of secrets improves the security of end-user connections, facilitates regular renewal of authentication secrets and reduces risk of unauthorized access to the system.

3. Click 'Close' to close the credentials popup and return to Credential page. After the secret is regenerated, the date beside the secret in the Credentials table is updated.

Regenerate Primary Secret - CE-2 Edited

A new secret will be generated and will replace the existing one. Any authentication performed using the current secret will no longer succeed. Do you want to proceed?

2. Click the 'Regenerate' button to confirm. Once the secret is regenerated, the old previous secret cannot be used ever again.

Details of the credentials with regenerated secret will be displayed. Note that the client id has *not* changed, and the secret will be displayed only ONCE.

Regenerated Primary Client Credentials

These Client Credentials will be shown one time on the screen! Please copy them to configure your client system!





Equipment Id CE-2 Edited

Client Id ed632c3a-3be4-4453-90a0-038fcab1e76e

Client Secret be060f83-1d2e-479d-8e7b-088ba663d6c0

Client Credentials – Regenerate Secondary Secret

Create New Credentials

Credential Name	Client Id	Client Roles	Created Date (UTC)	Client Actions	Secrets
		All ▾			
Org CC One - Edited	88f33ab6-b...	Custom Client Role 1 Full Access ⓘ	15/08/2024 09:52:20	 	15/08/2024 - Primary 15/08/2024 - Secondary
Org CC Two	87396116-1...	Full Access ⓘ	15/08/2024 10:01:44	 	15/08/2024 - Primary



1. When the double arrow icon is clicked the 'Regenerate Secondary Secret' dialog pops up.

Regeneration of secrets improves the security of end-user connections, facilitates regular renewal of authentication secrets and reduces risk of unauthorized access to the system.

3. Click 'Close' to close the credentials popup and return to Location page. After the secret is regenerated, the date beside the secret in the Credential table is updated.

Regenerate Secondary Secret - CE-2 Edited

A new secret will be generated and will replace the existing one. Any authentication performed using the current secret will no longer succeed. Do you want to proceed?

2. Click the 'Regenerate' button to confirm. Once the secret is regenerated, the old previous secret cannot be used ever again.

Details of the credentials with regenerated secret will be displayed. Note that the client id has ***not*** changed, and the secret will be displayed only ONCE.

Regenerated Secondary Client Credentials





These Client Credentials will be shown one time on the screen! Please copy them to configure your client system!

Equipment Id CE-2 Edited

Client Id ed657c3a-3be4-4453-90a0-038fcab1e76e

Client Secret 7458849b-ab96-42d9-ad1a-5a583b099975

Client Credentials – Swap Secrets

Credential Name	Client Id	Client Roles	Created Date (UTC)	Client Actions	Secrets
Org CC One - Edited	88f33ab6-b...	Custom Client Role 1 Full Access	15/08/2024 09:52:20	 	15/08/2024 - Primary 15/08/2024 - Secondary
Org CC Two	87396116-1...	Full Access	15/08/2024 10:01:44	 	15/08/2024 - Primary 15/08/2024 - Secondary



1. When the arrow up icon is clicked the 'Swap Secrets' dialog pops up. Note that the icon is only displayed for credentials that have both a primary and secondary secret.

Swapping secrets allows the designations 'Primary Secret' and 'Secondary Secret' to be exchanged. This should not affect the working of the secrets

Swap Secrets - Org CC One - Edited

The secondary secret will be promoted as primary, and the primary secret will be made secondary. Do you want to proceed?

2. Click the 'Swap' button confirm that the secrets should be swapped. User is returned to the Credential list page.

Client Credentials – Delete Secondary Secret

Create New Credentials

Credential Name	Client Id	Client Roles	Created Date (UTC)	Client Actions	Secrets
		All ▾			
Org CC One - Edited	88f33ab6-b...	Custom Client Role 1 Full Access ⓘ	15/08/2024 09:52:20		15/08/2024 - Primary 15/08/2024 - Secondary
Org CC Two	87396116-1...	Full Access ⓘ	15/08/2024 10:01:44		15/08/2024 - Primary



1. When the trash icon is clicked the 'Delete Secondary Secret' dialog pops up. Note that primary secrets can not be deleted.

2. Click the 'Delete' button to confirm deletion. User will be returned to Credential page and Credentials table will be updated.

Delete Secondary Secret - Org CC Two ×

The secondary secret will be deleted. Any authentication performed using the secondary secret will no longer succeed. Do you want to proceed?

Client Credentials – Information

Create New Credentials

Credential Name	Client Id	Client Roles	Created Date (UTC)	Client Actions	Secrets
Org CC One - Edited	88f33ab6-b...	Custom Client Role 1 Full Access ⓘ	15/08/2024 09:52:20		15/08/2024 - Primary 15/08/2024 - Secondary
Org CC Two	87396116-1...	Full Access ⓘ	15/08/2024 10:01:44		15/08/2024 - Primary



Clicking the information icon beside a secret will make the credentials information dialog popup. The same fields will be displayed for primary and secondary secrets.

Primary Client Credentials

Credential Name: Org CC One - Edited

Client Id: 88f33ab6-b29b-420d-829e-a3af2937da8d

Client Secret: 85e***

Creation Date (UTC): 05/07/2024 06:57:30

Updated Date (UTC): 15/08/2024 09:52:20

Close

If a Credential has two secrets, the ClientId will be the same for both of them

Note that the full secret is not displayed, only the first three (3) characters. If historical secrets exist pre-release 15 then six asterisks will be displayed '*****'

If the secret has been regenerated then this will be reflected in the 'Updated Date' timestamp. The 'Creation Date' timestamp is set when the credential is created.

IT Supplier Qualification

The purpose of the Qualification Test Book (the 'test book') is to provide a set of test cases to be executed by IT Suppliers to support qualification of their systems. Following successful qualification, the IT Supplier may connect their system to their National Medicines Verification System (NMVS).

IT Supplier Qualification - Environment

The test book will be generated for a specific NMVS Integrated Quality Environment (IQE) market. The test book can only be used for the intended market in which the associated data has been generated. The API endpoints of the intended market where the test book has been generated can be found in section 2.1 on the test book and the [endpoints page](#) within the ITE Developer Portal.

The IT Supplier Qualification Test Book can be self-service generated via the IQE NMVS Administration Qualification Test Book page. Links to the NMVS Administration Portal can also be found on the endpoints page linked above. The functionality to generate and manage IT Supplier Qualification Test Books must be assigned to a local organisation, this authorisation is provided by the NMVO. If your organisation is unable to navigate to the Qualification Test Book page within the NMVS Administration Page please contact the NMVO.

2. Qualification Test Guidance

2.1 Environment

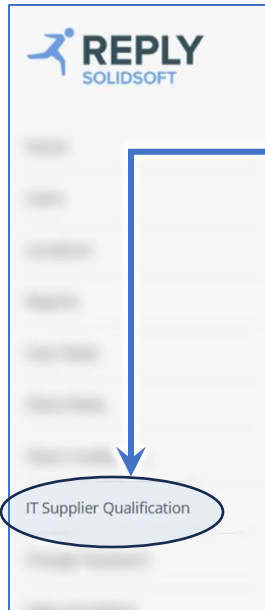
This test book has been generated for the xx NMVS Integrated Quality Environment (IQE). The client solution must consume the following endpoints:

Authorization Endpoint	https://api-xx-iqe.nmvo.eu/identity/connect/token
Pack API Endpoint	https://api-xx-iqe.nmvo.eu/verification/
Reporting API Endpoint	https://api-xx-iqe.nmvo.eu/report/

Please note the following market specific configuration values, these will be used during the testing phase to determine the expected response from certain scenarios. At the time of the test book generation the NMVS environment has been configured with the following values:

- *Double Dispense Limit*: 9
- *Double Dispense Time Limit*: 10.00:00:00
- *AMS Link (ignore if empty)*: https://app.example-ams.com/AlertDetails.aspx?id={{uprcToken}}

Please refer to section 2.6.2 for further information about expected result variations and the market specific configuration values.



Home - IT Supplier Qualification

Medicines Verification Administration Portal

IT Supplier Qualification

Create ⚙️ All ▾

ID	IT Supplier Name	API V...	Client Syste...	Barcode Sca...	Client Locati...	Location Name	Client Id	Equipment Id	IT Supplier T...	IT Supplier T...	Templat...	Created Date...	Co...	Test Book S...	Actions
xx_164	DST Clarke & Tilley	3.1	Lammond	Kofax 2000	8c950dc4-4c...	Test Location 1	a37cc20a-40...	Equipment Id...	a.lammond@...	Andrew	5.0	23/09/2024 1...		Active	

Previous page Page 1 of 1 5 rows ▾ Next page

IT Supplier Qualification - Portal

NOTE: IT Supplier Qualification functionality is only available on IQE.

Action to create a new test book

Rows in the Test Book table can be filtered according to the data in them.

Columns can be shown / hidden using column selector

Test Book status can be one of:

Home > IT Supplier Qualification

Medicines Verification Administration Portal

IT Supplier Qualification

[Create](#)

ID	IT Supplier ...	API Version	Client Svste...	Barcode Sc...	Client Locat...	Location Na...	Client Id	Equipment I...	IT Supplier ...	IT Supplier ...	Template V...	Created Dat...	Completed ...	Start Date o...	End Date of...	Test Book S...	Actions	
xx_125	Example W...	3.0	FMD Soluti...	Tera Barco...	68213424-4...	Test Locatio...	21f38a06-3...	Equipment ...	example@e...	Example M...	3.	14/03/2024 ...					Active	
xx_124	Example W...	3.1	FMD Soluti...	Scanner_1	68213424-4...	Test Locatio...	21f38a06-3...	Equipment ...	example@e...	Example M...	3.1	14/03/2024 ...		14/03/2024 ...	14/03/2024 ...		Review	

10 rows

Test Book status can be one of:

- Active
- Certified
- Failed
- Review
- Revoked

Active – the default state for a test book. Testing can be performed while the test book is Active. Test data resets can be performed while Active.

Certified – testing has been completed and the NMVO has reviewed and certified the outcome of the test book.

Failed – testing has been completed and the NMVO has reviewed and considered the outcome and deemed the testing to have failed.


Review – the NMVO is reviewing the test evidence after submittal by the IT Supplier.

Revoked – when a previously certified test book has its certification revoked.

The IT Supplier Qualification page will display the following columns:


- Qualification Testbook Id
- IT Supplier Name
- API Version
- Client System Build/Version Number
- Barcode Scanner Model
- Client Location Id
- Location Name
- Client Id
- Equipment Id
- IT Supplier Test Manager Contact Email
- IT Supplier Test Manager Contact Name
- Template Version
- Created Date (UTC)
- Completed Date (UTC)
- Start Date of Testing (UTC)
- End Date of Testing (UTC)
- Test Book Status
- Actions

Actions




Manage Test Evidence

View submitted test evidence by the IT against a test book that is not Active.




Download a Test Book

Downloads the docx. generated Qualification Test Book.




Reset Test Data

Allows the IT supplier to reset the test data for an Active test book.



Submit Test Book

Clicking this button will open the submit test book. The IT supplier can upload supporting test evidence. Finalising a submittal will move the test book from Active to Review.



Delete Test Book

Allows the IT supplier to delete a test book. This option is available on Active, Failed and Revoked test books.

A row is created for each generated test book containing the unique ID of the test book as well as the IT supplier information provided when the test book was generated.

It also contains dates and times of when the testing was performed as well as when the test book was generated.

The state of the test book can also be viewed here.

IT Supplier Qualification – Create

The IT Supplier will be required to submit the following information within section 2.5 of their generated test book. The majority of this information will be requested at the point of self-service generation of a test book and will be automatically added to the generated test book. At the point of submitting the test book please ensure that this section is completed and the information provided is correct.

- IT Supplier name* – name of supplier performing the testing.
- IT Supplier test manager contact email* – the contact email address of the manager performing the testing.
- IT Supplier test manager contact name* – the contact name of the manager performing the testing.
- *Environment Tested Against – the national market IQE that testing is being performed against. This information will be automatically generated.*
- Client System Build/Version Number* – the version of their client software in the 'User-Agent' header. This may be used to check if the software being used is the same as that which was certified, and to identify if any issues are related to a specific client type.
- Barcode Scanner Model* – the vendor and model of the barcode used for testing.
- Scanner Connection Mode* – the method of connection for which the scanner connects to the computer. I.e. BT, USB, HID Keyboard, Keyboard Wedge, Serial port, etc. See Integrating Scanning Hardware for more details.
- Start and End Time of Testing – the time when the testing was performed, this will be used by Solidsoft Reply operations to extract transaction logs for the testing activity. *This information shall be updated by the IT supplier and provided as part of evidence when submitting the test book for review.*
- Client Location ID* – used by the system to extract transaction logs for the testing activity.
- Client ID* – used by the system to extract transaction logs for the testing activity.
- Client Equipment ID* – used by the system to extract transaction logs for the testing activity.
- National System API Version* – version of the API used to integrate with the National System, specified by the "emvs-api-version" HTTP header in the requests (e.g. 3.0). This will be set based on the API version of the requested test book.

Information with an * shall be provided at the point of generating the test book. This information shall be inserted automatically into section 2.5 of the generated test book.

Create Qualification Test Book ✕

* IT Supplier Name

* IT Supplier Test Manager Contact Email

* IT Supplier Test Manager Contact Name

* Client System Build/Version Number

* Barcode Scanner Model

* Scanner Connection Mode

* Client Location Id

* Client Id

* API Version

2.5 IT Supplier Information

IT Supplier Name	Example Wholesaler
IT Supplier Test Manager Contact Email	example@example.com
IT Supplier Test Manager Contact Name	Example Manager
Environment Tested Against	xx IQE
Client System Build/Version Number	FMD Solution 23.00201/v5
Barcode Scanner Model	Scanner_1
Scanner Connection Mode ¹	HID Keyboard
Start and End Date/Time of Testing (UTC)	<Enter Start and End Date/Time>
Client Location ID	68213424-4811-4624-9d20-51545368e2cb
Client ID	21f38a06-3516-4709-8727-4b7ce3996ff3
Client Equipment ID	Equipment Id 1
National System API Version	3.1





Table 1: IT Supplier Information

IT Supplier Qualification – Test Data and Test Book

Test data associated with each test case is based upon functional scenarios, these scenarios are explained at the start of each test case and test step.

The scenario and the action that shall be provided within the test step.

The test product, batch, serial number, 2D data matrix barcode and expected result will be provided for each test step. In some cases you may be required to perform an action again on a previous test step pack.

3.2 Test Case ID: 02_BULK_SUPPLY: NMVS/E2E/Bulk Pack/Supply	
The IT Supplier software that supports bulk operations must be able to perform a bulk supply transaction of multiple packs in various different conditions.	
Test Case Applicability (Yes/No)	
Date and Time of Test Case Completion (UTC)	
Comments	
Test Step	Expected Result
1. Prerequisite: Supply an Active pack via a single pack operation, in order to perform a double supply of the same pack in the next step as part of a bulk supply operation. Attempt to SUPPLY the following pack in a single pack operation:	
Product Code GTIN: 05430002045948 Serial Number: 10FXuh3dHDNPMqIGt6w Batch ID: xx_124_BS_1_1 Expiry Date: 290314 Initial Public Pack State: Active	 <pre>200 OK { "operationCode": "11210200", "state": "Supplied", "information": "The pack has been supplied.", "productName": "SolidsoftTestBookProduct" }</pre>
Test Step Result:	Comments:
2. Supply four packs with a bulk supply operation Attempt to SUPPLY the following 4 packs in a bulk operation:	
Product Code GTIN: 05430002045948 Serial Number: 12UjzbhrtVNqe7j1hPSv Batch ID: xx_124_BS_2_1 Expiry Date: 290314 Initial Public Pack State: Active	 <pre>(Response varies dependent on configured double dispense limit of market) 200 OK { "operationCode": "12200000", "packs": [{ "pack": { "productCodeScheme": "GTIN", "productCode": "05430002045948", "serialNumber": "12UjzbhrtVNqe7j1hPSv", "batchid": "xx_124_BS_2_1", "expiryDate": "290314" } }, { "pack": { "productCodeScheme": "GTIN", "productCode": "05430002045948", "serialNumber": "10FXuh3dHDNPMqIGt6w", "batchid": "xx_124_BS_1_1", "expiryDate": "290314" } }], "result": { "operationCode": "11210200", "state": "Supplied", "information": "The pack has been supplied.", "productName": "SolidsoftTestBookProduct" } } OR { "pack": { "productCodeScheme": "GTIN", "productCode": "05430002045948", "serialNumber": "10FXuh3dHDNPMqIGt6w", "batchid": "xx_124_BS_1_1", "expiryDate": "290314" } }, "result": { "operationCode": "11220201", (Limit = 3) "state": "Supplied", "information": "The pack was previously supplied at this location.", "productName": "SolidsoftTestBookProduct", "numberOfAttempts": 2 } }</pre>
Add pack to the bulk supply request. This pack was SUPPLIED in pre-requisite step 1.	
Product Code GTIN: 05430002045948 Serial Number: 10FXuh3dHDNPMqIGt6w Batch ID: xx_124_BS_1_1 Expiry Date: 290314	
 only if market setting for double dispense limit ¹ ≤ 1 or double dispense time limit ² is exceeded)	<pre>OR { "operationCode": "11220201", (Limit = 2)</pre>

Test case applicability and the time of test completion (if applicable) must be provided for each test case.

The expected result of the action performed is provided and must match what the client received. The expected results lines up to the test step data in the left hand column.

The result of the test step must also be completed.

Pass - the response received is the same as the expected result

Fail - the response received differs from the expected result

N/A - the test scenario is not applicable to the IT Suppliers solution (e.g., a pharmacy solution unable to perform wholesaler requests)

The results from certain test cases within the test book vary depending on differences in market configuration such as the double dispense limit and the double dispense time limit. Where this occurs the expected results will inform that there are varied responses and contain each of the possible expected results, separated by 'OR'.



There are several steps throughout the test book that will generate alert IDs. These test steps are listed below and the "images" icon is displayed within each Test Case to indicate the step at which a screenshot is required.

Ensure the following evidence is clearly presented or attached to your completed test book for each test step that generates an alert ID:

- Alert ID
- Result Code
- Operation Code
- Warning

IT Supplier Qualification – Test Evidence

Test evidence can be submitted through the NMVS Administration Portal upon submitting the test book for review.

The testing period should be specified, along with any other necessary testing evidence.

Files may be attached by using the 'Add Files' button, and there is an option to categorise file types and provide a description.

Please note that the permissible file types are limited to jpg, pdf, log, txt, docx, png, csv, and xlsx. When a test book is under review further test evidence cannot be submitted via the NMVS Administration Portal.

Where a test case generates an alert and causes the Client System Graphical User Interface (GUI) to display a warning, it is necessary to take a screenshot of the warning and record it. The IT supplier is required to return the generated Qualification Test Book, with all necessary information filled in (IT Supplier Information, Test Case Applicability, and Test Step Results). The IT supplier is also required to submit transaction logs of all transactions performed as part of the testing with the completed test book (in either an Excel or CSV file format).

Please note that sections of the test book that are deemed incomplete, and missing required evidence, will require resubmission and will cause delay in qualification.

Submit Test Book ✕

* Start Date of Testing (UTC)

* End Date of Testing (UTC)

Please choose the time period during which the testing was conducted and upload the completed test book, accompanied by any supporting evidence.

Add Files

File Name	Categories	Description	Uploaded By	File Size	Actions
	All ▾				
NMVS Qualification Test Book Data v2.4_50.xlsx	Test Book x ▾		pharmacysuperuser@exa...	0.04 MB	
20240122-095716.jpg	Screenshot x ▾		pharmacysuperuser@exa...	4.87 MB	
NMVS Qualification Test Book v3.0_34.docx	Test Book x ▾		pharmacysuperuser@exa...	0.60 MB	

Submit
Close

2.5 IT Supplier Information	
IT Supplier Name	Example Wholesaler
IT Supplier Test Manager Contact Email	example@example.com
IT Supplier Test Manager Contact Name	Example Manager
Environment Tested Against	xx IQE
Client System Build/Version Number	FMD Solution 23.00201/v5
Barcode Scanner Model	Scanner_1
Scanner Connection Mode ¹	HID Keyboard
Start and End Date/Time of Testing (UTC)	12/03/2024 10:00:00 – 12:00:00
Client Location ID	68213424-4811-4624-9d20-51545368e2cb
Client ID	21f38a06-3516-4709-8727-4b7ce3996ff3
Client Equipment ID	Equipment Id 1
National System API Version	3.1

Table 1: IT Supplier Information

3.9 Test Case ID: 09_ALERTS: NMVS/E2E/Single Pack/Alerts

The IT Supplier software must be able to provide sufficient information to the end-user for alerts raised by the system in various conditions.

Test Case Applicability (Yes/No)	Yes
Date and Time of Test Case Completion (UTC)	12/03/24 - 11:32:00
Comments	
Test Step	Expected Result
1. Attempt to supply a pack already decommissioned as Stolen by another location Attempt to SUPPLY the following pack:	<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>Product Code GTIN: 05430002045948 Serial Number: 11ipPHEYCkPtljqwekw Batch ID: xx_124_Alerts_1_1 Expiry Date: 290314 Initial Public Pack State: Stolen</p> </div> <div style="flex: 1; text-align: center;"> </div> <div style="flex: 2; font-family: monospace; font-size: 0.8em;"> <pre> 409 Conflict { "operationCode": "S1220300", "alertId": "calertId*", "state": "Stolen", "warning": "The pack cannot be supplied because it is already decommissioned as stolen at another location. An alert has been raised.", "productName": "SolidsoftTestBookProduct", "amsLink": "camsLink*", "alertCode": "A24" } </pre> </div> </div>
Test Step Result: Pass	Comments: Received expected result. Alert screenshot evidence XX-9IU-XFG-JCD-LKA-654.png
2. Attempt to reactivate a pack that has a barcode with an error on the printed Batch Expiry Date	

IT Supplier Qualification – Action Submit Testbook

Submit Test Book

* Start Date of Testing (UTC)
Start Date of Testing (UTC) must be more than 07/03/2024 16:53:37.

* End Date of Testing (UTC)
End Date of Testing (UTC) must be less than 07/03/2024 16:56:54.

Please choose the time period during which the testing was conducted and upload the completed test book, accompanied by any supporting evidence.

File Name
NMVS Qualification Test Book v3.0_34.docx
NMVS Qualification Test Book Data v2.4_50.xlsx

Please ensure all files have a category selected.

Submit Test Book

* Start Date of Testing (UTC)
Start Date of Testing (UTC) must be more than 07/03/2024 16:53:37.

* End Date of Testing (UTC)
End Date of Testing (UTC) must be less than 07/03/2024 16:56:54.

Please choose the time period during which the testing was conducted and upload the completed test book, accompanied by any supporting evidence.

File Name	Categories	Description	Uploaded By	File Size	Actions
NMVS Qualification Test Book v3.0_34.docx	Test Book x v		nmvs.ssr+wholesaler@gmail.com	0.60 MB	<input type="button" value="Delete"/>
Screenshot (493).png	Screenshot x v		nmvs.ssr+wholesaler@gmail.com	0.21 MB	<input type="button" value="Delete"/>

Validation: Start Date and End Date of testing are mandatory fields, and must fall within valid datetime range. Start Date must be after the Testbook was created. End Date cannot be in the future.

Text describing the file added can be entered here. This field is optional, can be blank.

Test evidence files (pdf, xlsx, jpg, docx) can be added using the 'Add Files' button

Individual test evidence files can be removed by clicking the delete icon

Validation: All evidence files uploaded must be given a category: Test Book, Screenshot, Log or Other.

Submit button becomes enabled when there are changes. Click it to submit Testbook to system, user is returned to main panel.



Change Password

The 'Change Password' screen can be used to change the password of any active user registered via the Administration Portal.

1. Enter the email address associated with the user account that requires a new password.
2. Enter the current password that needs to be changed.
3. Enter and confirm the new password.
4. Select the 'Confirm' button.



Home > Users > Change Password

Medicines Verification Administration Portal

Change Password

* Email

* Old Password

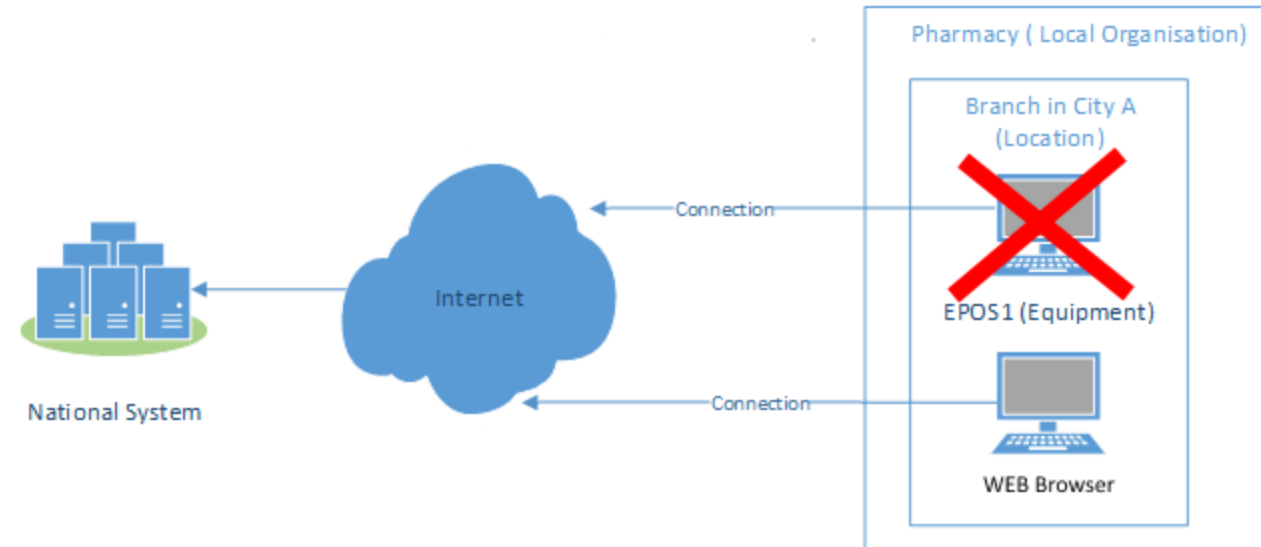
* New Password

* Confirm Password

Emergency Verification Application (EVA)

EVA - What is the EVA and how is it used

- The Emergency Verification Application (EVA) provides support for business continuity in the event that a Client System fails. It can be accessed from any computer that has an attached keyboard, a supported web browser and internet connectivity.
- The EVA is accessed via a web URL that is unique to each market.
- The EVA can be used to verify and decommission packs of medicine. It does not support a scanner, and is not intended to be used as a permanent replacement for an integrated client system.
- This method of drug pack verification is intended for use when **Electronic Point of Sale equipment (e.g. cash till/register)** is unavailable at a pharmacy or wholesaler.
- Individuals wishing to use the EVA must already have approved user accounts with their National System, as set up via the NMVS Administration Portal. Users must have successfully completed the registration process.
- Options presented with the EVA will depend on the type of user; pharmacy users and wholesaler users are presented with a different set of options:
 - **Pharmacists** can decommission packs as: *Destroyed, Sample and Supplied*
 - **Wholesalers** can decommission packs as : *Destroyed, Sample, Supplied , Locked, Exported and Stolen*
- **Note:** pack reactivation via the EVA is not permitted nor the decommission as **Free Sample, which is not the same decommission reason as Sample.**



EVA Client Requirements

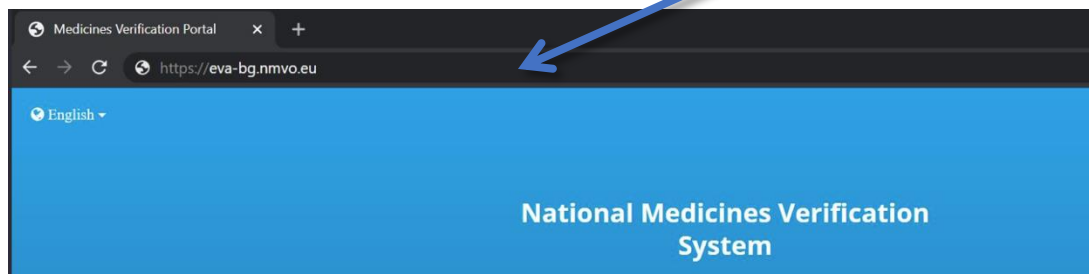
- **Hardware:** Keyboard and mouse input devices. Colour display minimum resolution 1280x600.
- **Operating System (OS):** Any OS in current support by Microsoft.
- **Browser:** Any browser in current support by Microsoft, Google or Mozilla. JavaScript required.
- **Network:** Unrestricted TCP network port access.
- **Internet Connectivity:** Yes.

EVA - Portal URLs

Each NMVO has its own EVA which is accessed via a unique URL:

Bulgaria: <https://eva-bg.nmvo.eu>
Croatia: <https://eva-hr.nmvo.eu>
Cyprus: <https://eva-cy.nmvo.eu>
Czech Republic: <https://eva-cz.nmvo.eu>
Denmark: <https://eva-dk.nmvo.eu>
Iceland: <https://eva-is.nmvo.eu>
Finland: <https://eva-fi.nmvo.eu>
Ireland: <https://eva-ie.nmvo.eu>
Lithuania: <https://eva-lt.nmvo.eu>
Malta: <https://eva-mt.nmvo.eu>
Slovenia: <https://eva-si.nmvo.eu>
Sweden: <https://eva-se.nmvo.eu>
Switzerland: <https://eva-ch.nmvo.eu>

To access your chosen EVA, open a supported web browser and enter the URL into the address field, then select 'Enter' on the keyboard.



EVA - Login to the Portal

National Medicines Verification System

Authorised Users Only

User Name

Password

[Sign In](#)

If you have forgotten your User Name, please contact a User Administrator in your Organisation.

If you have forgotten your password, please use the following link and carefully follow the instructions: [Password Reset](#)

1. Enter an approved user name and password in the login screen (the user name is the email address).
2. Click 'Sign In'.
3. Select your current physical location from the drop-down list. This list is created from location details supplied via the Administration Portal. A user must be associated with a location since any packs that they decommission must have the location of decommissioning associated with them.
4. If the user has already been assigned default location then user will not be prompted to choose the location.
5. Click 'Sign In' again.

National Medicines Verification System

Authorised Users Only

User Name

Password

Location

[Sign In](#)

If you have forgotten your User Name, please contact a User Administrator in your Organisation.

If you have forgotten your password, please use the following link and carefully follow the instructions: [Password Reset](#)

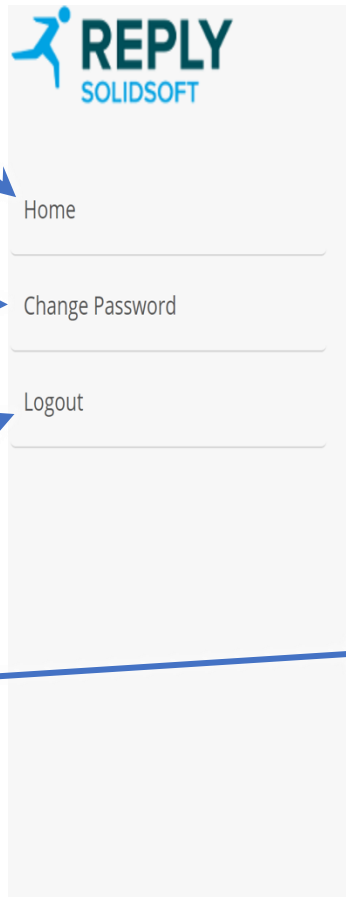
EVA - Home Screen

The 'HomeScreen' is presented after login. Return to this screen at any time by selecting the 'Home' menu option.

The 'Change Password' menu option is used to change the password of any Active user.

The 'Logout' menu option is used to exit the EVA.

The 'Pack Details' section is where drug details are entered via keyboard. Details must be entered as they appear on the pack.



Home Emergency Verification Application

Insert pack details

* Product Code Scheme

* Product Code

* Serial Number

* Batch Number

Batch Expiry Date

Select 'GTIN' or 'PPN' from the drop down list.

Pack information

Select 'Next' once all pack information has been entered.

EVA - Pack Operations – Pharmacy – Verify Success

Pack details entered via the 'HomeScreen' are displayed again on the 'Pack Details Screen'.

1. Select the 'Verify' option to verify the pack details. Pack information is verified against the National System.

The verify operation has been executed successfully. ✕

Choose Pack Operation

Product Code Scheme: GTIN

Product Code: 21010430142174

Serial Number: sn1

Batch Number: batch3

Batch Expiry Date: 261018

Result

Operation Code	11110100
Information	The pack is available to be dispensed.
State	Active

Pack Operations

Verify

Destroyed

Sample

Supplied

2. Verification results are displayed above the 'Verify' option and at the top of the screen.
3. Following successful verification, the pack may be marked as 'Destroyed', 'Supplied' or 'Sample' via option buttons.

EVA - Pack Operation – Pharmacy – Verify Failure

Pack details entered via the 'HomeScreen' are displayed again on the 'Pack Details Screen'.

1. Select the 'Verify' option to verify the pack details. Pack information is verified against the National System.

Home > Pack Operation

Emergency Verification Application

The verify operation has failed.

Choose Pack Operation

Product Code Scheme	PPN
Product Code	012119200922
Serial Number	112233445566206565
Batch Number	DBOP
Batch Expiry Date	220810

Result

Operation Code	41020003
Warning	The batch identifier mismatches the recorded batch identifier. An alert has been raised.
Alert Id	XX-KST-1PH-9W9-W22-3JB

Pack Operations

Verify

Destroyed

Sample

Supplied

2. Verification results are displayed above the 'Verify' option and at the top of the screen.

EVA - Pack Operation – Wholesaler– Verify Success

The verify operation has been executed successfully. ×

Choose Pack Operation

Product Code Scheme: GTIN

Product Code: 21010430142174

Serial Number: sn1

Batch Number: batch3

Batch Expiry Date: 261018

Result

Operation Code: 11110100

Information: The pack is available to be dispensed.

State: Active

Pack Operations

Verify

Destroyed Exported Locked

Sample Stolen Supplied

Pack details entered via the 'HomeScreen' are displayed again on the 'Pack Details Screen'.

1. Select the 'Verify' option to verify the pack details. Pack information is verified against the National System.

2. Verification results are displayed above the 'Verify' option and at the top of the screen.

3. Following successful verification, the pack may be marked as 'Destroyed', 'Exported', 'Locked', 'Sample', 'Stolen' or 'Supplied' via option buttons.

EVA - Change Password

The 'Change Password' screen can be used to change the password of any active user registered via the Administration Portal.

Emergency Verification Application

1. Enter the email address associated with the user account that requires a new password.
2. Enter the password that is to be changed.
3. Enter and confirm the new password.
4. Select the 'Confirm' button.

Change Password

* Email

* Old Password

* New Password

* Confirm Password

Confirm

Report List

Reports		
Report Title	Additional Report Input Parameters*	Description
Contracted Wholesalers Stakeholder Report	Product Details (code and scheme)	This report lists the contracted wholesalers for a given product.
End-user Batch Disclosure Report	Product Code / Scheme Batch Id Location Id Return Simplified View	The report lists all audit points raised by the end user local organisation, or location, related to a specified product batch over its lifetime.
End-user Pack Audit Trail Report	Product Code / Scheme Serial Number Return Simplified View	Lists all audit points raised by the end user local organisation, or location, related to a specified pack over its lifetime.
End-user Pack Disclosure Report	Unique Pack Return Code (UPRC) Return Simplified View	Given a Unique Pack Return Code the report lists all audit points raised by the end user local organisation, or location, related to a specified product pack over its lifetime.
Organisation Administration Activity Report	Start Date & Time End Date & Time Client Location Id Client Id	Provides an audit trail of changes performed within the organisation.
Pack State Changes Client Report	Duration (Start and End date) Client Location Id	This report provides a count of pack state changes made during a specified time period at a specified client location.
Product Catalogue Data Client Report	Product Details (code and scheme) Start date and time	This report provides a list of all products currently stored in the product catalogue, together with details of the market authorisation holder and designated wholesalers.
Transactions Log Client Report	Duration (Start and End date and time) Client Location Id	This report provides a list of product pack related transactions initiated by a pharmacist or wholesaler for a specified location and time period.
Returned Packs Client Report	Duration (Start and End date and time) Client Location Id	This report provides a list of packs flagged as suspicious transaction for a given location and time period.

Key: Fields in RED are optional and can be left empty.

*All reports are required to have a 'Report Name'. This field is pre-populated for the user with an appropriate title. The title can be modified by the user requesting the report but this is not mandatory.

NMVS Release 15.0 – User Role Permissions - Pharmacy

Pharmacy Permissions

Client Credentials/Control: Allows the actor to view, create and delete API client credentials

Client Roles/Control: Allows the actor to create, update and delete roles for their client credentials

Equipment/Control: Allows the actor to create, update and delete client equipment within their organisation

Locations/Control: Allows the actor to create, update and delete locations within their organisation

Packs/MarkAsDestroyed*: Allows the actor to mark a pack or packs as destroyed

Packs/MarkAsSample*: Allows the actor to mark a pack or packs as sample

Packs/MarkAsSupplied*: Allows the actor to mark a pack or packs as supplied

Qualification Testing/Control: Allows the actor to view, generate qualification test books, reset the test data and submit for review

Report/ContractedWholesalersStakeholderReport: Allows the actor to create, read and delete Contracted Wholesalers Stakeholder Reports

Report/Control: Allows the actor to access the report screen in the portal

Report/EndUserBatchDisclosureReport: Allows the actor to create, read and delete End User Batch Disclosure Reports

Report/EndUserPackAuditTrailReport: Allows the actor to create, read and delete End User Pack Audit Trail Reports

Report/EndUserPackDisclosureReport: Allows the actor to create, read and delete End User Pack Disclosure Reports

Report/OrganisationAdministrationActivityReport: Allows the actor to create, read and delete Organisation Administration Activity Reports

Report/PackStateChangesClientReport: Allows the actor to create, read and delete Pack State Changes Client Reports

Report/ProductCatalogueDataClientReport: Allows the actor to create, read and delete Product Catalogue Data Client Reports

Report/ReturnedPacksClientReport: Allows the actor to create, read and delete Returned Packs Client Reports

Report/TransactionLogClientReport: Allows the actor to create, read and delete Transaction Log Client Reports

User Roles/Control: Allows the actor to create, update and delete roles within their organisation

Users/Control: Allows the actor to create, update and delete users within their organisation

Permissions marked with *
These pack permissions are
the only ones possible in the
EVA – Emergency Verification
portal.

NMVS Release 15.0 – User Role Permissions - Wholesaler

Wholesaler Permissions

Client Credentials/Control: Allows the actor to view, create and delete API client credentials

Client Roles/Control: Allows the actor to create, update and delete roles for their client credentials

Equipment/Control: Allows the actor to create, update and delete client equipment within their organisation

Locations/Control: Allows the actor to create, update and delete locations within their organisation

Packs/MarkAsDestroyed*: Allows the actor to mark a pack or packs as destroyed

Packs/MarkAsExported*: Allows the actor to mark a pack or packs as exported

Packs/MarkAsLocked*: Allows the actor to mark a pack or packs as locked

Packs/MarkAsSample*: Allows the actor to mark a pack or packs as sample

Packs/MarkAsStolen*: Allows the actor to mark a pack or packs as stolen

Packs/MarkAsSupplied*: Allows the actor to mark a pack or packs as supplied

Qualification Testing/Control: Allows the actor to view, generate qualification test books, reset the test data and submit for review

Report/ContractedWholesalersStakeholderReport: Allows the actor to create, read and delete Contracted Wholesalers Stakeholder Reports

Report/Control: Allows the actor to access the report screen in the portal

Report/EndUserBatchDisclosureReport: Allows the actor to create, read and delete End User Batch Disclosure Reports

Report/EndUserPackAuditTrailReport: Allows the actor to create, read and delete End User Pack Audit Trail Reports

Report/EndUserPackDisclosureReport: Allows the actor to create, read and delete End User Pack Disclosure Reports

Report/OrganisationAdministrationActivityReport: Allows the actor to create, read and delete Organisation Administration Activity Reports

Report/PackStateChangesClientReport: Allows the actor to create, read and delete Pack State Changes Client Reports

Report/ProductCatalogueDataClientReport: Allows the actor to create, read and delete Product Catalogue Data Client Reports

Report/ReturnedPacksClientReport: Allows the actor to create, read and delete Returned Packs Client Reports

Report/TransactionLogClientReport: Allows the actor to create, read and delete Transaction Log Client Reports

User Roles/Control: Allows the actor to create, update and delete roles within their organisation

Users/Control: Allows the actor to create, update and delete users within their organisation

Permissions marked with *
These pack permissions are
the only ones possible in the
EVA – Emergency Verification
portal.

NMVS Release 15.0 – Client Role Permissions - Pharmacy

Pharmacy client role permissions

Category	Permission	Description
Packs	MarkAsActive	Allows the actor to mark a pack or packs as active (reactivate)
Packs	MarkAsDestroyed	Allows the actor to mark a pack or packs as destroyed
Packs	MarkAsSample	Allows the actor to mark a pack or packs as sample
Packs	MarkAsSupplied	Allows the actor to mark a pack or packs as supplied
Packs	ProductDataDownload	Allows the actor to retrieve product data from the product catalogue
Packs	SystemStatus	Allows the actor to retrieve the current system status
Packs	Verify	Allows the actor to verify packs
Report	ContractedWholesalersStakeholderReport	Allows the actor to create, read and delete Contracted Wholesalers Stakeholder Reports
Report	EndUserBatchDisclosureReport	Allows the actor to create, read and delete End User Batch Disclosure Reports
Report	EndUserPackAuditTrailReport	Allows the actor to create, read and delete End User Pack Audit Trail Reports
Report	EndUserPackDisclosureReport	Allows the actor to create, read and delete End User Pack Disclosure Reports
Report	OrganisationAdministrationActivityReport	Allows the actor to create, read and delete Organisation Administration Activity Reports
Report	PackStateChangesClientReport	Allows the actor to create, read and delete Pack State Changes Client Reports
Report	ProductCatalogueDataClientReport	Allows the actor to create, read and delete Product Catalogue Data Client Reports
Report	ReturnedPacksClientReport	Allows the actor to create, read and delete Returned Packs Client Reports
Report	TransactionLogClientReport	Allows the actor to create, read and delete Transaction Log Client Reports
Secrets	Control	Allows the actor to create, regenerate, swap, and delete secrets within their organisation

NMVS Release 15.0 – Client Role Permissions - Wholesaler

Wholesaler client role permissions

Category	Permission	Description
Packs	MarkAsActive	Allows the actor to mark a pack or packs as active (reactivate)
Packs	MarkAsDestroyed	Allows the actor to mark a pack or packs as destroyed
Packs	MarkAsExported	Allows the actor to mark a pack or packs as exported
Packs	MarkAsFreeSample	Allows the actor to mark a pack or packs as free sample
Packs	MarkAsLocked	Allows the actor to mark a pack or packs as locked
Packs	MarkAsSample	Allows the actor to mark a pack or packs as sample
Packs	MarkAsStolen	Allows the actor to mark a pack or packs as stolen
Packs	MarkAsSupplied	Allows the actor to mark a pack or packs as supplied
Packs	ProductDataDownload	Allows the actor to retrieve product data from the product catalogue
Packs	SystemStatus	Allows the actor to retrieve the current system status
Packs	Verify	Allows the actor to verify packs
Report	ContractedWholesalersStakeholderReport	Allows the actor to create, read and delete Contracted Wholesalers Stakeholder Reports
Report	EndUserBatchDisclosureReport	Allows the actor to create, read and delete End User Batch Disclosure Reports
Report	EndUserPackAuditTrailReport	Allows the actor to create, read and delete End User Pack Audit Trail Reports
Report	EndUserPackDisclosureReport	Allows the actor to create, read and delete End User Pack Disclosure Reports
Report	OrganisationAdministrationActivityReport	Allows the actor to create, read and delete Organisation Administration Activity Reports
Report	PackStateChangesClientReport	Allows the actor to create, read and delete Pack State Changes Client Reports
Report	ProductCatalogueDataClientReport	Allows the actor to create, read and delete Product Catalogue Data Client Reports
Report	ReturnedPacksClientReport	Allows the actor to create, read and delete Returned Packs Client Reports
Report	TransactionLogClientReport	Allows the actor to create, read and delete Transaction Log Client Reports
Secrets	Control	Allows the actor to create, regenerate, swap, and delete secrets within their organisation

Complete Revision History

Version	Date	Description	Author
1.2	03-Jun-20	"NMVS Portal User Guide for Local Organisations - Release 6.2" version 1.2 was approved for Release 6.2	Prashant Hatle
1.3	17-Aug-20	Revised for Release 7.1	Alice Firth
2.0	11-Nov-20	Version 2.0 approved (Release 7.1)	Alice Firth
2.1	25-Feb-21	Revised for Release 8.0	Alice Firth
2.2	14-May-21	Updated following Quality Review	Danish Pal
2.3	16-Jun-21	Minor formatting changes applied. Document changes since the last release 7.1 guide document are represented in colour by either: amber text in slide content, amber text in slide title descriptions and yellow borders on screen images indicating updated or new screens.	Trupti Davé
3.0	18-Jun-21	Version 3.0 approved (Release 8/8.0.1)	Alice Firth
3.1	05-Jul-21	Revision for NMVS Release 9.0 Yellow background – indicates new page Yellow highlight/border – indicates addendum to existing page or new image/text. <ul style="list-style-type: none"> Removed edited text highlighted for v3.0 of document. Slide edited 35 Slide created 46, 47 Changed reference from "NBS" to "NMVS" on slides 33, 49, 50, 51, 52, and 64 	Nicholas Houghton
4.0	12-Nov-21	Version 4.0 approved (Release 9.0)	Nicholas Houghton
4.1	17-Jan-2022	Revision for NMVS Release 10.0 <ul style="list-style-type: none"> Removed edited text highlighted for v4.0 of document. Slides edited 18, 19, 20, 21, 22, 23, 28, 64 	Nicholas Houghton
5.0	05-Apr-2022	<ul style="list-style-type: none"> Approved to v5.0 	Nicholas Houghton

Complete Revision History

Version	Date	Description	Author
a) 5.1	09-Jun-22	Revision for NMVS Release 11.0 <ul style="list-style-type: none"> Removed edited text highlighted for v5.0 of document. Slides edited 10, 18, 19, 23, 27, 28, 64 Slide created 29 	Tak Li
6.0	16-Aug-22	Approved to v6.0	Tak Li
6.2	17-Mar-23	Revision for NMVS Release 12.0. Added CAPA 938 note to Login screen. Added Logout and Session Timeout screens.	David Joyce
6.3	03-Apr-23	Addressed FC comments	David Joyce
6.4	20-Apr-23	Added major release number to the revision history Description of document versions v4.1, 5.1 and 6.2 to address comments from Anna Juhlin (following customer representatives review)	Fabian Cantu
7.0	20-Apr-23	Approved to version 7.0 (NMVS Release 12.0)	David Joyce
7.1	08-Aug-23	Revision for NMVS Release 13.0 (yellow highlighted text and background indicates changes) <ul style="list-style-type: none"> Removed edited text highlighted for v7.x of document. Slides edited 9, 17, 18, 19, 20, 31, 32, 33, 50, 51, 52, 53, 54 Slides created 12, 28, 43, 44, 45, 46, 47, 48, 59, 60, 61, 62, 63, 64, 65, 66, 67, 83 	David Joyce
7.2	01-Sep-23	<ul style="list-style-type: none"> Updated slides 50-54 to state that reports are also available through the Portal Clarified Organisation and client roles on slide 56 Updated slide 65 to include IQE for IT Supplier Qualification 	David Joyce
8.0	01-Sep-2023	Approved to v8.0	David Joyce
8.1	15-Mar-24	<ul style="list-style-type: none"> Slides edited: 30, 31, 33, 34, 35, 36, 37, 38, 41, 42, 43, 51, 52, 53, 57, 58, 59, 88, 89 Slides created: 32, 40, 60, 61, 67, 68, 69, 70, 71, 72, 73 	David Joyce
9.0	02-Apr-2024	Approved to v9.0	David Joyce
9.2	22-Oct-2024	Revision for NMVS Release 15.0 Slides added: 47 , 48 , 49 , 50 , 51 , 52 , 66 , 67 , 68 , 69 , 70 , 71 , 72 , 73 , 85-95 Slides edited: 7 , 9 , 17 , 19 , 26 , 30 , 31 , 32 , 33 , 39 , 40 , 41 , 42 , 43 , 54 , 56 , 60 , 61 , 62 , 63 , 64 , 81 , 101 , 105 , 113 , 114 , 115 , 116 , 117	David Joyce
10.0	23-Oct-2024	Approved to v10.0	David Joyce

Document Review History

Version	Date	Client / Department / Function	Reviewed By
2.1	01-Mar-21	Formal Review	Roberto Bacciocchi
2.1	02-Mar-21	Content Review	Ian Gilroy
2.1	13-May-21	Quality Review	Indu Marimuthu Nanditha Kartik
2.2	20-May-21	Quality Review	Nanditha Kartik Matt Rymell
2.3	17-Jun-21	Quality Review	Nanditha Kartik
3.1	27-Oct-2021	Content Review	Danish Pal
3.1	28-Oct-2021	Quality Review	Nanditha Kartik
4.1	20-Jan-2022	Quality Review	Nanditha Kartik
5.1	04-Jul-2022	Quality Review	Nanditha Kartik
6.2	27-Mar-2023	Quality Review	Fabian Cantu
6.3	13-Apr-2023	Customer Representatives Review	Customer Representatives
7.1	22-Aug-2023	Quality Review	Matt Stellmacher
7.2	01-Aug-2023	Quality Review	Matt Stellmacher
8.1	18-Mar-2024	Quality Review	Nanditha Kartik
9.1	03-Oct-2024	Quality Review	Matt Stellmacher
9.2	22-Oct-2024	Quality Review	Matt Stellmacher

Document Classification

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