

NMVS EXTERNAL RELEASE NOTE RELEASE 19

Preliminary Release Note

This Release Note contains the changes and fixes that will be included in NMVS Release 19. This is a **Preliminary Release Note**. The release has still to complete Acceptance and Interoperability Testing and updates to the release may be made following this. A Final Release Note will be issued prior to deployment of the release into Production which will include the final list of changes and fixes.

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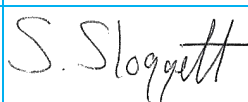
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DOCUMENT APPROVAL

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1 PURPOSE

This document provides a summary of the National Medicines Verification System (NMVS) Release 19 changes.

2 SCOPE

The following areas are covered in this release note:

- Version and build information for this software release.
- Changes and features included in this release.
- Known issues, omissions from specification and, if relevant, the workarounds.
- Procedure for obtaining support in relation to software identified in this release.

3 RELEASE SUMMARY

3.1 RELEASE VERSION INFORMATION

This document addresses the software release identified below:

Build Reference	Title
19.0.26189.1	NMVS Release 19

Table 1: Release Version Information

3.2 CHANGES AND FEATURES

The list of changes is shown in the following table, sorted by affected stakeholders and then by change area. The change areas are:

- Front End API (FE-API), the interfaces with local organisations, NMVOs and NCAs.
- Back End Hub/NMVS API (BE-API), the interfaces with the EMVS-HUB or NS NAMS.
- Admin Portal (AP), changes to the GUI of the NMVS Administration Portal or EVA Portal.
- Report (RPT), changes in the output of system generated reports.
- Infrastructure (IS), changes to the system infrastructure.
- Integrated Test Environment (ITE), changes to the ITE APIs and/or ITE Developer Portal.



- Alerts (ALT), changes that are impacting alerts.

If a change doesn't fall under the above categories, then it is labelled as miscellaneous in the 'Change Area' column.

When a change is categorised as a breaking change, it is clearly marked with a **'Breaking Change'** tag and interface and stakeholder impacted. A breaking change refers to any alteration in system functionality that may necessitate modifications in client systems for API consumption. Commonly, though not exclusively, this pertains to changes in the NS Authentication API, NS Local Organisation Verification API, NS Reporting API (End users, NMVOs, NCAs), NS Exceptions API (NMVOs) or NS National Alert Management System (NAMS). The list of breaking changes is also defined in section 3.3.

NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
118686	117966	Confidential (EMVS_CR_30761)	Confidential	Confidential
118811	118813	Confidential (EMVS_CR_21614)	Confidential	Confidential
118814	118815	Confidential (EMVS_CR_17397)	Confidential	Confidential
130006	130007	Confidential (EMVS_CR_11522)	Confidential	Confidential
120105	120106	<u>Optimisation of datalake queries for End User Pack Audit Trail and End User Pack Disclosure reports (EMVS CR 32523)</u> This is an infrastructure change only. Report parameters, layout and data content are unaffected by this change. The execution of the datalake queries for the End User Pack Audit Trail and End User Pack Disclosure reports have been optimised to improve report generation time.	Local Organisations, IT Suppliers	IS

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NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
129161	129166	<u>Optimisation of datalake queries for the I.1 NCA and EU-Hub reports (EMVS_CR_32522)</u> This is an infrastructure change only. Report parameters, layout and data content are unaffected by this change. The execution of the datalake queries for the I.1 - Audit trail of a suspected medicinal product pack NCA and EU-Hub reports have been optimised to improve report generation time.	NCAs, IT Suppliers	IS
119598	121155	<u>Pro-active monitoring and notification functionality (EMVS_CR_32142)</u> A proactive monitoring framework has been introduced, providing the foundation for delivering, configuring, and managing targeted notifications that will allow NMVOs to respond to critical events or anomalies. Specific notification scenarios have been implemented as part of related change requests. NMVOs are notified by email when the relevant events occur. NMVOs can view these notifications on the Notifications screen within the NMVS Administration Portal.	NMVOs	AP, IS



NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
119601	121156	<u>Notification Functionality: Rate Limiting Incidents (EMVS CR 32143)</u> The NMVS will notify NMVOs when rate limiting thresholds are exceeded for: • Verification API • Authentication API The thresholds are configurable: a certain number of rate limiting incidents have occurred in a defined timeframe. NMVOs are notified by email when the rate limiting threshold is exceeded. NMVOs can view these notifications on the Notifications screen within the NMVS Administration Portal.	NMVOs	AP, IS



NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
119621	121157	<u>Notification Functionality: New MAH and First Successful Batch Upload (EMVS_CR_32144)</u> The NMVS will notify NMVOs of the following MAH events: • A new MAH is created within the NMVS (EMVS MAH ID was not previously known to the NMVS) • A new MAH performs a first successful batch upload to the NMVS NMVOs are notified by email when these MAH events occur. NMVOs can view these notifications on the Notifications screen within the NMVS Administration Portal.	NMVOs	AP, IS



NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
118980	123346	<u>Visibility of total transactions and alerts by Locations (EMVS_LC_32253)</u> This change is available from NS Reporting API 3.6. The Transactions Summary Metric Report has been introduced giving NMVOs the ability to review the number of transactions and alerts per location, transaction type, organisation type and sub-type across a defined timespan. The report is scheduled to run daily, weekly and monthly, covering transactions for the previous day, week or month respectively.	NMVOs	FE-API, AP, RPT
122004	123357	<u>During location deactivation/deletion, users shall be clearly informed of the consequences (EMVS_LC_32164)</u> The location deletion/deactivation confirmation pop-up for NMVO and Local Organisation users has been enhanced to clearly inform them of the consequences of deleting a location i.e. all client equipment at that location will be permanently deleted.	NMVOs, Local Organisations	AP



NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
82216	83602	<u>Bulk of pack transactions by end users to support Intermarket transactions (EMVS CR 24706)</u> This change only applies to Pharmacy organisation clients. Wholesaler organisation clients are unaffected by this change. The NMVS has been enhanced to support Intermarket transactions in bulk of pack transactions for Pharmacy organisation clients. Each pack submitted as part of the bulk pack request is treated as an individual single pack transaction. If a pack is not known locally in the NMVS, an Intermarket transaction will be performed for that pack, and the response will be available to the initiating system end-user in the bulk of pack response.	NMVOs, Local Organisations, IT Suppliers	FE-API, ITE



NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
116638	122105	<u>Add a permission to allow read-only access to view users (EMVS_LC_32251)</u> A 'Users/Monitor' permission has been introduced that allows read-only access to the Users screen in the NMVS Administration Portal. This permission is automatically assigned to all existing roles that have the 'User/Control' permission, and it can be added to custom user roles created by an organisation. Additionally, several existing role descriptions have been updated to improve clarity where permissions are dependent on other permissions.	NMVOs, NCAs, Local Organisations	AP



NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
118627	120107	<u>Remove Reporting API 3.1 (EMVS_CR_15512)</u> This is a breaking change affecting NS Reporting API 3.1. Reporting API 3.1 is no longer supported and has been removed. The API Versions page in the ITE Developer Portal has been updated to document the supported, deprecated and removed API versions for the NMVS.	NMVOs, NCAs, Local Organisations, IT Suppliers	FE-API, RPT, ITE
125142	125143	<u>Remove Reporting API 3.2 (EMVS_CR_15512)</u> This is a breaking change affecting NS Reporting API 3.2. Reporting API 3.2 is no longer supported and has been removed. The API Versions page in the ITE Developer Portal has been updated to document the supported, deprecated and removed API versions for the NMVS.	NMVOs, NCAs, Local Organisations, IT Suppliers	FE-API, RPT, ITE



NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
125144	125145	<u>Mark Reporting API 3.4 as Deprecated (EMVS_CR_11545)</u> Reporting API 3.4 has been marked as a deprecated version. The API Versions page in ITE Developer Portal has been updated to document the supported, deprecated and removed API versions for the NMVS.	NMVOs, NCAs, Local Organisations, IT Suppliers	FE-API, RPT, ITE



NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
119680	119707	<u>Migration of Local Organisation reports to the new reporting framework (EMVS LC 31927)</u> This is an infrastructure change only. Report parameters, layout and data content are unaffected by this change. Migration of Local Organisation reports to the new reporting framework provides enhanced capabilities and improved maintainability and flexibility to better support the provision of reporting services to Local Organisations. Reports for the NMVO stakeholder group have been removed from the existing reporting framework. A phased migration of reports from the existing NMVS reporting framework to the new reporting framework, allows for a controlled rollout, targeted testing, and clear traceability.	NMVOs, OBPs, Solidsoft Reply, NCAs, Local Organisations, IT Suppliers	IS



NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
125392	120450	<u>Migration of NCA reports to the new reporting framework (EMVS LC 31927)</u> This is an infrastructure change only. Report parameters, layout and data content are unaffected by this change. Migration of NCA reports to the new reporting framework provides enhanced capabilities and improved maintainability and flexibility to better support the provision of reporting services to NCAs. A phased migration of reports from the existing NMVS reporting framework to the new reporting framework, allows for a controlled rollout, targeted testing, and clear traceability.	NMVOs, OBPs, Solidsoft Reply, NCAs, Local Organisations, IT Suppliers	IS
118816	118817	<u>Upgrade system libraries (EMVS CR 25748 & 11548)</u> New versions of third-party libraries used by the system are continuously developed, in order to introduce new features, fix defects or perform security updates. Where possible, the set of third-party libraries used by the system have been updated to the latest stable version.	NMVOs, Solidsoft Reply, NCAs, Local Organisations, IT Suppliers	All



NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
119122	118751	<u>"Content-Security-Policy-Report-Only" header shall be omitted and SameSite flags shall be set on all cookies (EMVS LC 32295)</u> The "Content-Security-Policy-Report-Only" header has been removed from NMVS Portal responses to web browsers. The "Content-Security-Policy" header continues to be returned by the NMVS Portals to enforce security rules in the web browser to mitigate attacks like Cross-Site Scripting (XSS) and data injection. The "SameSite" flag has been set to be as restrictive as possible on all NMVS Portal cookies.	NMVOs, Solidsoft Reply, NCAs, Local Organisations, IT Suppliers	AP



NMVO CAB ADO ID	Solidsoft Reply ID	Change Title, EMVS_CR Reference and Description	Affected Stakeholder	Change Area
129042	129043	<u>Migration of EU-Hub reports to the new reporting framework (EMVS_CR_32521)</u> This is an infrastructure change only. Report parameters, layout and data content are unaffected by this change. Migration of EU-Hub reports to the new reporting framework provides enhanced capabilities and improved maintainability and flexibility to better support the provision of reporting services to OBPs and NCAs. A phased migration of reports from the existing NMVS reporting framework to the new reporting framework, allows for a controlled rollout, targeted testing, and clear traceability.	OBPs, NCAs	IS

Table 2: Changes to the NMVS



3.3 BREAKING CHANGES

- 118627: Remove Reporting API 3.1 (EMVS_CR_15512)
- 125142: Remove Reporting API 3.2 (EMVS_CR_15512)



3.4 DEFECTS FIXED

The following defects have been fixed in this release.



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact After the Fix	Affected Stakeholders
117764	117765	<u>Non-Simplified PDF format for the specific reports should be rejected (EMVS LC 32052)</u> When the following reports: • Transaction Log Client Report • End User Batch Disclosure Report • End User Pack Audit Trail Report • End User Pack Disclosure Report are requested in the following scenario: • The “returnSimplifiedView” parameter is either absent or set to false, and hence a Full report is being requested. • The PDF format type is specified as the sole requested format, which is not supported for the Full report being requested. then the NMVS will now reject this invalid combination of parameters and requested format. The description of the affected reports returned by the Reporting API now clearly state that the PDF format of the report is only available when the simplified view is requested.	Incorrect formats are no longer being generated for affected reports, avoiding unnecessary consumption of system resources. Incorrect formats are no longer retrievable from the National System preventing user confusion. Description of the report has been updated increasing clarity about available formats of the report for specific requests.	Local Organisations, IT Suppliers



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact After the Fix	Affected Stakeholders
118724	118725	<u>Prevent Internal System errors from occurring during ETA calculation for submitted bulk API request (EMVS LC 32053)</u> A small number of internal server errors were observed for bulk API requests submitted by Synthetic Monitoring. These requests failed during the first step - submitting the bulk transaction - before reaching the queue for processing. The failure could previously occur during calculation of the ETA for when the outcome of a request will be available, when internal infrastructure did not respond in time. The NMVS will now use preconfigured internal values when calculating the ETA, when more detailed internal system metrics are not available in time.	Synthetic monitoring requests no longer fail during ETA calculation when internal infrastructure does not respond in time.	NMVOs, Local Organisations, IT Suppliers



118978	118979	<u>"Returned Pack State" and "Number of Attempts" columns shall not be populated in End User Reports for any Verification API responses that have not returned the relevant information to the end user (EMVS LC 32054)</u> The "Returned Pack State" and "Number of Attempts" columns in the following reports: • Transaction Log Client Report • End User Pack Audit Trail Report • End User Pack Disclosure Report • End User Batch Disclosure Report are intended to show the pack state and number of attempts returned to the end user in responses from the Verification API. In certain scenarios, the API does not return the pack state or number of attempts. For example, when it responds with an error or a warning message to the end user (such as when a batch is exempt from FMD requirements). The affected reports now do not populate the "Returned Pack State" and "Number of Attempts" columns when the Verification API did not return this data in its response to the end user. Previously, this data was populated in some scenarios. Displaying the pack state or number of attempts in reports when this information was not provided to the end user was inconsistent and may lead to data integrity issues.	Data integrity. The "Returned Pack State" and "Number of Attempts" properties are displayed in the relevant reports only when they were returned in Verification API responses to end users.	Local Organisations, IT Suppliers
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NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact After the Fix	Affected Stakeholders
120619	120620	<u>Rate Limiting Incident Report shall generate successfully in markets with connectors (EMVS LC 32169)</u> When the Rate Limiting Incident Report was requested by a market with connectors enabled, the report did not generate successfully when there was more than one location record for the combination of Client ID, Connector ID and Connector Location ID. The report now generates successfully for markets with connectors, with these data combinations.	The report generates successfully when there is more than one location record for the combination of Client ID, Connector ID and Connector Location ID.	NMVOs



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact After the Fix	Affected Stakeholders
121349	121363	<u>System Transactions Dashboard shall display the correct number of distinct events (EMVS LC 32168)</u> The NMVS ingests audit events into Databricks for dashboards and reporting of historic data. Audits are ingested on a regular schedule during business hours, and less frequently at night. The ingestion process is designed for performance and fault tolerance. As standard for any datalake architecture, audit events are ingested from the source folder and staged into Databricks, then the audit files are archived. Occasionally, the ingestion process fails due to platform or external connectivity issues. The ingestion process automatically recovers on the next run by processing the audit events again, but this can result in multiple instances of the same audit event in Databricks (by design). Once the audit events are ingested into Databricks, NMVS reports ensure that they use distinct events for accurate reporting. The System Transactions Dashboard now ensures that it uses distinct events, to avoid presenting higher numbers of transactions if one or more audit events are ingested more than once.	The System Transaction Dashboard ensures that distinct events are presented and therefore ensures that the data available in the dashboard is accurate and consistent with data available in reports.	NMVOs



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact After the Fix	Affected Stakeholders
129454	129455	<u>NCA S.1.4 report shall generate successfully (EMVS FR 32690)</u> Historical audit events created before Release 12 do not contain the total number of packs and therefore require use of computed values. These computations can produce decimal values, which are not supported by the report formatter and consequently used to prevent the report from generating. The decimal value produced by the calculation is now being converted to an integer value which is accepted by the report formatter.	The report generates successfully even if there are historical audit events created before Release 12 included in scope of the report.	NCAs

Table 3: Defects Fixed



3.5 KNOWN DEFECTS

The following known defects are present in this release:

NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact	Affected Stakeholder
105559	119081	<u>NMVS should not be sending the manualentry flag in the alert supporting data for #A2 alerts (EMVS FR TBC)</u> When sending #A2 alerts to the EU Hub, the NMVS incorrectly includes the manualEntryFlag fields in the alert supporting data. According to “EMVS0647 - EMVS European Hub Functional Specification (SR1.13) v15.0” (as confirmed in SR1.13 and retested in SR1.16), these fields should not be sent for #A2 alerts, resulting in non-compliance with the EU Hub functional specification.	Non-compliance with the EU Hub functional specification.	NMVOs



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact	Affected Stakeholder
111240	111235	<u>Verification API calls with missing product code scheme should return the correct operation code for requests where the URL contains a double slash (EMVS FR TBC)</u> A fix implemented in Release 15 (NMVO CAB ADO ID FR 106746) updated the Verification API to handle missing product code scheme, product code, batch or serial number, ensuring appropriate error messages. Some scenarios return incorrect operation codes due to NMVS firewall URL normalization. For instance, when the product code scheme is missing and replaced by a double-slash (/ /), the product code is misidentified as the scheme, leading to misleading error responses. A workaround has been applied in Release 16 as part of NMVO CAB ADO ID FR 111245, to return a clearer warning message in affected scenarios.	IT Supplier confusion when client software omits product code schema and/or product code in Verification API requests.	NMVOs, OBPs, Local Organisations, IT Suppliers



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact	Affected Stakeholder
111242	111230	<u>NMVS Administration Portal should provide a responsive user experience for smaller screen sizes and zoom levels (EMVS FR TBC)</u> When using a smaller screen size or different zoom levels, certain NMVS Administration Portal pages can suffer from a visual impact with overlapping controls or loss of function because certain buttons cannot be clicked.	Reduced user experience and usability of the Administration Portal.	NMVOs, NCAs, Local Organisations
119427	119429	<u>Transaction Log Client Report shall not omit Product Names and the 'Is Manual' details shall be correctly populated in the relevant Local Organisation reports (EMVS FR 32684)</u> When it is known to the system, the product name is reported to the end user in all transactions via API. However, the product name is not reported to the end user in the Transaction Log Client Report for successful transactions. Successful manual transactions are shown as '-' in the "Is Manual" column in the Transaction Log Client Report, and are shown as 'false' in End-User Pack reports. The reports should indicate whether the transaction was manual or not.	Product Name is not reported correctly for successful transactions in the related reports. The relevant reports are not correctly indicating whether a successful transaction was manual or not.	Local Organisations, IT Suppliers



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact	Affected Stakeholder
120616	120618	<u>The client filter in reports and System Transactions Dashboard should display correct organisations (EMVS FR TBC)</u> For locations moved to other organisations, when the client name is typed into the filter, the only affiliation that is shown for this client equipment is that of the previous organisation. If the Organisation ID of the previous organisation is included in the filter, the name of the Client Equipment changes to 'Unknown'. If the current Organisation is selected in the filter, then the Client Name changes to the current value. Typing in the name of the location should result in the location's affiliation with both the old organisation and the new organisation being shown.	Incorrect behaviour of filters in relevant reports and the System Transactions Dashboard.	NMVOs
121871	121872	<u>Reason for organisation being suspended shall be displayed for organisations that are automatically suspended in relevant reports (EMVS CR 32525)</u> When an organisation has been automatically suspended by the NMVS, the Reason for suspension is not shown in Organisation Administration Activity reports.	Reason for suspension is not shown in the Organisation Administration Activity Reports.	NMVOs, Local Organisations



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact	Affected Stakeholder
124187	126425	<u>NMVS Portals shall only allow users to click the "Sign In" button and "Send new code" link once (EMVS LC 32527)</u> Occasionally, more than one email with Two-Factor Authentication (2FA) code is received by a user attempting to login to the NMVS Administration Portal. The emails are not a duplicate and they contain a new code.	User confusion and uncertainty.	NMVOs, NCAs, Local Organisations, IT Suppliers
127723	127656	<u>Transaction Log Client Report should have Report Header sheet for Excel format (EMVS TBC)</u> The Excel format processor for the Transaction Log Client Report does not have the standard "Report Header" worksheet.	"Report Header" worksheet is not included in the Transaction Log Client Report.	Local Organisations
129218	129219	<u>API version column shall be blank for requests submitted with an invalid API version value (EMVS TBC)</u> When an API request is submitted with an invalid API version value (e.g. "3.0,3.1"), the Equipment List table (accessible via Edit Location for NMVO and Local Organisations) displays "3.0,3.1" in both the API Version and Requested API Version columns. In such cases, the API Version column should remain blank, while the Requested API Version column should display the provided value "3.0,3.1".	Misleading API Versions being displayed in the API Version columns.	NMVOs, Local Organisations



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact	Affected Stakeholder
130518	130519	<u>NMVO Exceptions API shall validate operation codes as being 8 alphanumeric characters in length (EMVS FR 32682)</u> The operation codes filter for the Alerts endpoint in the NMVO Exception API has been designed with the following validation: Capital alphanumeric character followed by 7 digits. A maximum of 100 operation codes can be provided in the list However, the implementation of this feature does not allow for operation codes where all 8 characters are digits.	Ensures alignment with the expected data model, allowing valid Level 5 alert operation codes to be accepted.	NMVOs
132686	132689	<u>The 'Incident Summary' table/section in the Rate Limiting Incident Report shall only display APIs in scope of the report (EMVS TBC)</u> When viewing a Rate Limiting Incident Report with API Scope filters (e.g. Local Organisation API and Report API), then the 'Incident Summary' table/section should only display a summary for the requested APIs. However, all APIs are being displayed in the Incident Summary table, for all report formats.	Ensuring that only details for the requested APIs are included in scope of the report.	NMVOs



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact	Affected Stakeholder
133095	133096	<u>Downloads of Scheduled reports from the NMVS Administration Portal shall not be displayed in the User Activity Report (EMVS TBC)</u> A Report Downloaded audit event is raised when a scheduled report is downloaded from the NMVS Administration Portal. The audit event is unexpectedly displayed in the User Activity Report.	Maintaining alignment with the report's defined scope and user expectations.	NMVOs
133099	133100	<u>Daily Snapshot report shall correctly display organisation and location API version usage data for all client types (EMVS TBC)</u> The API Version tabs for the Reporting, Identity and Authentication APIs have the following issues: • Organisation-level clients are not included in all relevant API Version tabs of the report. • Client equipment (location) clients are included in the report but in most cases the Location ID is not populated.	Organisation-level clients are not included in all relevant tabs of the report and Location ID is not populated in most cases.	NMVOs



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact	Affected Stakeholder
133105	133106	<u>NMVO users with the relevant organisation management permission shall be able to manage organisations (EMVS TBC)</u> In some scenarios, a user management permission is currently required for an NMVO user to edit active organisation details in the NMVS Administration Portal, even when the changes do not relate to user account management (for example editing the Organisation Name or Organisation Expiry Date).	Ability to manage Organisations, supporting efficient administration and ensuring that organisational data remain current and reliable.	NMVOs
134042	134043	<u>Audit events for transactions from the EU Hub shall have initiating market for correct filter and display in the User Activity Report (EMVS TBC)</u> In some limited scenarios, the User Activity Report displays audit events for transactions from the EU Hub with the market as "EU" in the transaction details, instead of the correct market code. If the market code cannot be reliably established, it should be left blank.	In limited scenarios, the User Activity Report displays audit events for transactions from the EU Hub with the market as "EU" in the transaction details, instead of the correct market code.	NMVOs



NMVO CAB ADO ID	Solidsoft Reply ID	Title, EMVS_FR Reference and Description of Defect Behaviour	Business Impact	Affected Stakeholder
134273	134275	<u>When applying a PPSU from a MAH and a pack state transition is retried, the audit event raised is not of the expected type (EMVS TBC)</u> When applying a PPSU from a MAH and a pack state transition is retried, in some limited scenarios, the audit event raised is not of the expected type, even though the pack state transition has been successfully applied. In scenarios where the transaction is retried due to an internal time-out, the previous attempt may have succeeded but did not return confirmation in time. The retry mechanism assumes that the state was applied by another transaction, and raises an audit event that the pack is already in the expected state.	When applying a PPSU from a MAH and a pack state transition is retried, in some limited scenarios, the audit event raised is not of the expected type.	NMVOs
134541	134542	<u>View Report Content functionality shall display the report in the language it was requested (EMVS TBC)</u> It has been observed that when a user selects a language other than English when viewing the Daily Snapshot Report and views the report using the View Report Content button, the report displays a mixture of English and translated labels.	Inconsistency in the language that report labels are displayed.	NMVOs

Table 4: Known Defects

3.6 NMVS API VERSIONS

The following API versions are supported in the NMVS for Release 19:

EMVS API Version	Release 19		
	Verification API	Reporting API	Identity API
3.0	D	X	N/A
3.1	S	X	N/A
3.2	N/A	X	N/A
3.3	N/A	D	S
3.4	N/A	D	N/A
3.5	N/A	S	N/A
3.6	N/A	S	N/A

Table 5: NMVS API Versions (Release 19)

S	= Supported API Version
D	= Deprecated API Version
X	= API Version that is no longer supported within the NMVS

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solidsoft@reply.com

www.reply.com



Subject to confirmation, the following API versions will be supported in the NMVS for Release 20 (May 2027):

EMVS API Version	Release 20		
	Verification API	Reporting API	Identity API
3.0	X	X	N/A
3.1	S	X	N/A
3.2	N/A	X	N/A
3.3	N/A	X	S
3.4	N/A	D	N/A
3.5	N/A	D	N/A
3.6	N/A	S	N/A

Table 6: NMVS API Versions (Release 20)

S	= Supported API Version
D	= Deprecated API Version
X	= API Version that is no longer supported within the NMVS



3.7 SUPPORT

Requests for support related to the NMVS service are to be directed to the country-specific Solidsoft Reply NMVS service desk.

Country	Support Contact Address
Bulgaria	bgmvo.support@reply.com
Croatia	hopal.support@reply.com
Cyprus	koef.support@reply.com
Czech Republic	czmvo.support@reply.com
Denmark	dmvo.support@reply.com
Estonia	reks.support@reply.com
Finland	fimvo.support@reply.com
Greece	hmvo.support@reply.com
Iceland	icemvo.support@reply.com
Ireland	imvo.support@reply.com
Lithuania	nvvo.support@reply.com
Malta	mamvo.support@reply.com
Slovenia	zapaz.support@reply.com
Sweden	evis.support@reply.com
Switzerland	smvs.support@reply.com

Table 7: Contact Details



Contact Phone: +44 (0) 207 730 6000

Contact Portal: <https://solidsoft.freshservice.com>

Contact Address: Solidsoft Reply Ltd,
Nova South,
160 Victoria Street,
London,
SW1E 5LB,
United Kingdom

Hours of Operation: 08:00 to 20:00 Local Time Monday – Saturday

Language: English

EMVS3980 - NMVS External Preliminary Release Note (Release 19) v1.0

Final Audit Report

2026-08-04

Created:	2026-08-04
By:	Matt Stellmacher (m.stellmacher@reply.eu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAedvI3KuX_nqknAd9ybj4czRBfkZvLXvs

"EMVS3980 - NMVS External Preliminary Release Note (Release 19) v1.0" History

-  Document created by Matt Stellmacher (m.stellmacher@reply.eu)
2026-08-04 - 2:40:49 PM GMT
-  Document emailed to d.glonek@reply.eu for signature
2026-08-04 - 2:42:31 PM GMT
-  Document emailed to Steven Sloggett (s.sloggett@reply.eu) for signature
2026-08-04 - 2:42:31 PM GMT
-  Document emailed to r.urrehman@reply.eu for signature
2026-08-04 - 2:42:31 PM GMT
-  Document emailed to Matt Stellmacher (m.stellmacher@reply.eu) for signature
2026-08-04 - 2:42:32 PM GMT
-  Document e-signed by Matt Stellmacher (m.stellmacher@reply.eu)
Signature Date: 2026-08-04 - 2:42:41 PM GMT - Time Source: server - Signature Appearance Selected: TYPE
-  Email viewed by d.glonek@reply.eu
2026-08-04 - 2:43:10 PM GMT
-  Signer d.glonek@reply.eu entered name at signing as Daniel Glonek
2026-08-04 - 2:43:35 PM GMT
-  Document e-signed by Daniel Glonek (d.glonek@reply.eu)
Signature Date: 2026-08-04 - 2:43:37 PM GMT - Time Source: server - Signature Appearance Selected: TYPE
-  Email viewed by Steven Sloggett (s.sloggett@reply.eu)
2026-08-04 - 2:46:26 PM GMT



Document e-signed by Steven Sloggett (s.sloggett@reply.eu)

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Email viewed by r.urrehman@reply.eu

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Signer r.urrehman@reply.eu entered name at signing as Rizwan Rehman

2026-08-04 - 3:08:44 PM GMT



Document e-signed by Rizwan Rehman (r.urrehman@reply.eu)

Signature Date: 2026-08-04 - 3:08:46 PM GMT - Time Source: server - Signature Appearance Selected: TYPE



Agreement completed.

2026-08-04 - 3:08:46 PM GMT

