



EUROPEAN MEDICINES AGENCY  
SCIENCE MEDICINES HEALTH

## Union Product Database (UPD) release notes

Referring to version 1.7.2424-5

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## Acronym key and glossary terms

|               |  |                          |   |
|---------------|--|--------------------------|---|
| <b>ADO</b>    | Azure DevOps   | <b>OPAD</b>              | Other Post Authorisation Data   |
| <b>API</b>    | Application Programming Interface  | <b>PET</b>               | Veterinary medicinal products intended for animals which are exclusively kept as pets: aquarium or pond animals, ornamental fish, cage birds, homing pigeons, terrarium animals, small rodents, ferrets and rabbits |
| <b>APIM</b>   | API Manager  | <b>PMS</b>               | Product Management Service  |
| <b>AvS</b>    | Availability Status  | <b>PSMF</b>              | Pharmacovigilance System Master File  |
| <b>CA</b>     | Competent Authority  | <b>QPPV</b>              | Qualified Person Responsible For Pharmacovigilance  |
| <b>CAP</b>    | Centrally Authorised Products  | <b>RMS</b>               | Reference Member State  |
| <b>CMDv</b>   | Coordination group for mutual recognition and decentralised procedures for veterinary medicinal products | <b>RN</b>                | Release Notes   |
| <b>CMS</b>    | Concerned Member State   | <b>STAMED</b>            | EMA product information and application tracking system   |
| <b>CSV</b>    | Comma-separated values   | <b>SIT</b>               | System Integration Testing  |
| <b>DCP</b>    | Decentralised Procedure  | <b>SMS</b>               | Substances Management Services  |
| <b>EAM</b>    | EMA Account Management   | <b>SPOR</b>              | Substances, Products, Organisations and Referentials  |
| <b>EC</b>     | European Commission  | <b>SRP</b>               | Subsequent Recognition Procedure  |
| <b>EEA</b>    | European Economic Area   | <b>UAT</b>               | User Acceptance Testing   |
| <b>EMA</b>    | European Medicines Agency  | <b>UC</b>                | User Case   |
| <b>EP</b>     | End Point  | <b>UI</b>                | User Interface  |
| <b>EU IG</b>  | European Union Implementation Guide  | <b>UPD</b>               | Union Product Database  |
| <b>FHIR</b>   | Fast Healthcare Interoperability Resources   | <b>NCA</b>               | National Competent Authority  |
| <b>HF</b>     | Hot Fix  | <b>NP</b>                | National Procedure  |
| <b>HL7</b>    | Health Level Seven   | <b>OMS</b>               | Organisation Management Service   |
| <b>JSON</b>   | JavaScript Object Notation   | <b>URN</b>               | Uniform Resource Names  |
| <b>LOC ID</b> | Location identifier  | <b>UUID</b>              | Universally Unique Identifier   |
| <b>MAH</b>    | Marketing Authorisation Holder   | <b>VNeS</b>              | Veterinary Non eCTD Electronic Submission   |
| <b>MDM</b>    | Master Data Management   | <b>VNRA</b>              | Variations not requiring assessment   |
| <b>MRP</b>    | Mutual Recognition Procedure   | <b>VoS</b><br><b>XML</b> | Volume of Sales<br>eXtensible Markup Language   |
| <b>MS</b>     | Member State   |                          |   |
| <b>NAP</b>    | Nationally Authorised Products   |                          |   |

**The structure of these release notes has been refined and simplified for enhanced accessibility to all users.** The document contains now 3 sections and 4 annexes. It should be noted that specific segments have been excised, owing to their availability within other documents (such as the EU IG).

**Overview of key changes:**

With every new release, the UPD release notes are updated to highlight to the user the changes compared to previous versions by detailing new/updated functionalities and/or issues that have been resolved, are known, and/or are newly reported.

|  |   |
|--|---|
| <b>Resolved issues since the previous release (UPD version 1.7.2424, released on 13 June 2024)</b> | <b>37</b>   |
| <b>Known Issues</b>  | <b>34</b>   |
| <b>Next release's expected date</b>  | <i>Q3 2024 releases will be considered at the next Program Increment planning to be held on 3-4 July 2024 and communicated in due course.</i> |

**Overview of new functionality(ies):**

- **Receiving UPD notifications by email (MAHs & CAs)**
  - The scope of the notifications is to inform the Users that specific actions have been performed in the UPD system for which they should be aware either for their information or to perform further actions.
  - A new form called "*Email Configuration*" is available in which the Super users of each organisation can configure the email address(es) where the UPD notifications will be sent for each involved ORG-Id.
  - All emails will be sent from [upd.notification@ema.europa.eu](mailto:upd.notification@ema.europa.eu) email address and users should make sure that this email address is not blocked by their firewall and security systems.
  - Email notifications will be sent after business hours and users will be able to see them in the next day.

Further guidance for Super users is available on [EMA's UPD webpage](#).

**Notes:**

- In case of receiving an error file after the Availability Status (AvS) submission, MAHs are advised to follow these steps:
  - If the errors in the file are due to business validations (see section 4.3.2 of [Vet EU IG Chapter 7](#)), **fix the errors and resubmit the file**.
  - **If the file contains ER.36** (see section 4.3.1 of [Vet EU IG Chapter 7](#)), then you may receive two types of error files:
    - In the first case, **no updates have been processed successfully**. This can be evidenced by the fact that the last column in the error report only contains ER.36 and values of type 'N/A'. In this case, capture the ER.36 errors in an Excel or CSV file and submit it as a ticket to [EMA Service Now: https://support.ema.europa.eu/](https://support.ema.europa.eu/), and then **resubmit the part of the file containing values 'N/A'**.
    - In the second case, **some updates have been processed successfully**. This can be evidenced by the fact that the last column in the error report contains ER.36 values and values of the type 'Database updated -

Submission 0000 - Product 00000'. In this case, just capture the ER.36 errors in an Excel or CSV file and submit it as a ticket to [EMA Service Now: https://support.ema.europa.eu/](https://support.ema.europa.eu/). No need to resubmit the part of the file containing values type 'Database updated - Submission 0000 - Product 00000'.

- Once the errors of type ER.36 have been addressed, incorporate the AvS of those products into the next submission, and if you again receive any error repeat all the above steps.

Over time, as ER.36 issues are cleaned up, the size of the carry forward from month to month should diminish in size and eventually disappear.

#### For information:

- **Between August and September 2024, marketing authorisation holders will be required to manually add in UPD the relevant email addresses of the QPPV for their products, without submitting a VNRA.** Currently, UPD only contains the name and location of the QPPV. For the purpose of [Regulation \(EU\) 2024/568](#) on fees and charges payable to the European Medicines Agency which will become applicable from 1 January 2025, advice notes, chargeable units line listing(s) and communications will be sent to the QPPV email address available in UPD. Please note that the feature will be available for a limited time and is only for the addition of the QPPV email address. Any other change to QPPV details (name and/or location) must follow the C.1 VNRA process. After this period, any necessary changes to QPPV details including the addition or update of email address, must follow the C.1 VNRA process. Detailed information will be communicated in advance via email to all industry users registered in the UPD in the upcoming weeks. A separate information will be sent to all NCA users too.
- **New naming convention for releases:** after version 1.6.42, the new format will include the year, quarter and sprint. For example, in release 1.7.**2413**, 24 stands for the year; **1** for the quarter, and **3** for the sprint.
- **VNRA supergrouping:** due to the complexity of the functionality, MAHs **are strongly advised to read the revised [CMDv Best Practice Guide for Variations Not Requiring Assessment](#)** and watch the "How to submit VNRA Supergrouping" video tutorial available on [EMA's UPD webpage](#).
- **Updates of legacy data:** for some of the products approved under DCP/MRP, it could be the case that only one RMS and no CMS(s) are involved in the process. Given that the current implementation of the UPD does not support this scenario, the workaround for recording and updating these products will be as follows:
  - **Step 1)** the RMS creates the DCP adding as CMS a country belonging to EEA (this country should preferably have very few CMSs and no RMS products).
  - **Step 2)** to prevent the product from being available to the general public and the MAH, the CMS will not update the national part of the product
  - **Step 3)** finally, the CMS product will be nullified by the CMS once UPD allows having these products with only one RMS.

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# 1. Summary of issues

## 1.1. Resolved issues

| Use Case                   | Affects API and/or UI | Issue reference (ADO) | Resolved issues  |
|----------------------------|-----------------------|-----------------------|--|
| <b>All UC</b>              | NCA UI & MAH UI       | 83277                 | Clarification: in the previous release notes for version 1.7.2417 published on 24 April 2024 it is written that this ticket has been closed because the issue is considered obsolete. This is not the case and therefore the following clarification is required: Some CAPs with status of Withdrawn or Surrendered have been loaded into UPD from EMA's source system (SIAMED) with status of Valid. This ticket has been replaced by the User Story 162162 (see Annex 2 below) which will cover all cases where for CAP products the MA status has been loaded to UPD incorrectly. |
| <b>UC01 Create product</b> | API                   | 82249                 | Validation in all resources of URN UUID for full URL attribute: letters allowed are only a to f to form the hexadecimal set from 0 to f pattern of 8-4-4-4-12<br>The post may not be rejected or may not give an error message that clearly identifies this as being the issue.<br>This ticket has been closed as it has never been reported by an API user since UPD went live.   |
| <b>UC01 Create product</b> | API                   | 168950                | Create Homeopathic Product via API: if payload contains attributes with CMS information this is accepted and the information stored. These attributes should either give validation error or be ignored as not applicable for this procedure type.   |
| <b>UC01 Create product</b> | NCA UI                | 171860                | When creating a product with multiple ingredients, the unit of presentation dropdown does not present any options for the subsequent ingredients.  |
| <b>UC03 Search product</b> | API                   | 123745                | API user was not able to search and view products and receives 403 invalid query and 403 Product is NOT in user affiliations response.   |

|  |                    |        |   |
|--|--------------------|--------|---|
| <b>UC03 Search product</b>                         | API                | 83332  | API user only: A search of products using parameters of _lastUpdated works as expected. User can define an date interval on the search.   |
| <b>UC01 Create product<br/>UC08 Update product</b> | API & NCA<br>UI    | 82570  | UC01 Create & UC08 Update Product - POST should be valid where Reference Strength is populated but there is no Substance Strength; or if specify Substance Strength a Reference Substance and no Reference Substance Strength. Instead, there is a validation error and Substance Strength must always be specified. This error has not been reported by any user and so was considered obsolete. |
| <b>UC01 Create product<br/>UC08 Update product</b> | NCA UI             | 83327  | If product contains two or more Pharmaceutical products, the labels are not properly formatted on the View product screen. The case where two or more Pharmaceutical products should link to the same Ingredient to be considered and review documentation. This was considered not a bug and Data Quality Framework will be dealing with products currently facing this situation.               |
| <b>UC01 Create product<br/>UC08 Update product</b> | API & NCA<br>UI    | 147296 | CA should only be able to add Availability status entry for the same country as the Authorisation country of their product.   |
| <b>UC01 Create product<br/>UC08 Update product</b> | NCA UI             | 82452  | All procedure types - leading and trailing spaces in free-text fields should be removed by the system before validation.  |
| <b>UC01 Create product<br/>UC08 Update product</b> | API & NCA<br>UI    | 82761  | The Manufactured Item Quantity will be truncated to 2 decimal places. It should be possible to enter greater precision if required of up to 8 decimal places.   |
| <b>UC03 Search product</b>                         | NCA UI &<br>MAH UI | 173475 | MA Number is not displayed in the search results view, if defined at package level.   |
| <b>UC03 Search product</b>                         | NCA UI &<br>MAH UI | 162057 | The value for the attribute strength will appear as 'N/A' in the search results table for the cases where the strength of an ingredient was provided in terms of concentration.   |
| <b>UC05 View product</b>                           | NCA UI &<br>MAH UI | 173232 | In Package section - (5.6.2.) Manufactured item quantity is missing the Units of measurement in the view  |
| <b>UC06 Submit VNRA</b>                            | MAH UI             | 161519 | Foreseen Decision Maker dropdown list was not displaying all countries (options).   |
| <b>UC06 Submit VNRA</b>                            | MAH UI             | 83112  | This ticket has been closed as it is considered obsolete since the expected behaviour of the system today is that a MAH will be blocked by the system when trying to submit VNRAs for automated codes if any of the products within the submission belonging to a DC/MR/SR procedure are missing mandatory national data.   |

|  |                 |        |   |
|--|-----------------|--------|---|
| <b>UC09 Approve/Reject VNRA</b>        | NCA UI          | 84163  | CMS NCA was able to select Approve/Reject checkbox when viewing a VNRA, although the Submit button correctly remained disabled.   |
| <b>UC08 Update product</b>             | NCA API         | 172176 | It is possible for a user to remove common data in a national update via API  |
| <b>UC08 Update product</b>             | NCA UI          | 175359 | An error was raised while updating a PET product, stating field resource.basis was not available  |
| <b>UC08 Update product</b>             | NCA UI          | 180599 | Common data updates were failing for products with no Authorization Status defined.   |
| <b>UC08 Update product</b>             | NCA UI          | 180887 | On a National Data update, a valid payload was altered by the system (duplicating Manufactured Item Definitions) rendering it invalid   |
| <b>UC08 Update product</b>             | NCA UI          | 180943 | National data update was failing with error message after updating common data by deleting Pharmaceutical Product of DCP product  |
| <b>UC08 Update product</b>             | API & NCA UI    | 109885 | Products that had previously been affected by Bug 89511 (replacing Pharmaceutical product removed the Ingredients) cannot be further updated. Datafix for affected products was executed.                           |
| <b>UC08 Update product</b>             | API & NCA UI    | 83203  | An error from previous failed update with an incorrect payload prevented a subsequent update. The scenario described to achieve this failed update is no longer reproducible due to new validations added.          |
| <b>UC09 Approve/Reject VNRA</b>        | NCA UI          | 168118 | Decision table is not updated if information is added at VNRA level.  |
| <b>UC19 Nullify product</b>            | API             | 82811  | API Manager Nullification endpoint: when Try It option is selected the Content-Type request header defaults to application/json and it should be application/fhir+json. Using the default value will give an error. |
| <b>UC21 Manage Notifications</b>       | NCA UI & MAH UI | 83254  | Date format inconsistent between different actions. Ticket deemed obsolete after implementation of cognitive search.  |
| <b>UC21 Manage Notifications</b>       | NCA UI & MAH UI | 175866 | Notifications for failed VNRA submissions are not generated   |
| <b>UC21 Manage Notifications</b>       | NCA UI & MAH UI | 171293 | Search by product owner is returning wrong results  |
| <b>UC25 Update Availability status</b> | MAH UI          | 153934 | When Availability Status is submitted by MAHs, if an ER.36 is thrown by the system (see Vet EUIG-Chapter 7), the description  |



|   |                 |        |   |
|---|-----------------|--------|---|
|   |                 |        | of the error provided in the csv file does not comply with the format expected, even though is correct  |
| <b>UC25 Update Availability status</b>                                    | MAH UI          | 161155 | A submission of Availability Status for a DCP/MRP/SRP product where a CMS was removed and then re-added will fail as invalid  |
| <b>UC25 - Update availability status and placing on the market via UI</b> | MAH UI          | 160241 | Surrendered packages were included in the downloaded AVS csv file.  |
| <b>UC28 View VNRA</b>   | NCA UI & MAH UI | 175982 | VNRA PDF information missing for the new codes: C.10.d) and C.10.e)   |
| <b>UC33 Manage Third Country Product Names</b>                            | MAH UI          | 159277 | Submission of Third country data of the DCP/SRP Product will fail if one of the CMS products is nullified or has a CMS which has marketing status set to suspended.                       |
| <b>UC07 – Download Packages and Submission of Volume Sales via Form</b>   | MAH UI          | 158743 | Surrendered packages are included in the downloaded VoS csv file.   |
| <b>Data Fix</b>   | NCA UI & MAH UI | 83291  | Data Fix Parallel Trade products: where Source Member State product had two or more Ingredients, the first Ingredient from that product was duplicated in the new Parallel trade product. |
| <b>UC33 Manage Third Country Product Names</b>                            | MAH UI          | 180823 | 'View Submission of third country product names' returns results for new and previous submissions   |

## 1.2. New issues since last release

This table is ordered by Use Case number. This section lists known issues in this release that have not previously been included in the Release Notes. Some issues had existed in a previous release, and some are new issues in this new release.

| Use Case                   | Affects API and/or UI | Issue reference (ADO) | New Issue description   | Workaround  |
|----------------------------|-----------------------|-----------------------|---|---|
| <b>UC01</b>                | NCA UI                | 183496                | When resuming a product draft, the validation of ATC vet code flag is incorrect   | User needs to interact with the element to reset the validation. For instance, remove and re-add the ATC Vet Code check in order to unblock the create button |
| <b>UC01 Create Product</b> | NCA UI                | 183127                | When creating an Homeopathic product via API, chapter 4 validation rules are incorrect and allow the user to create a product without a package |   |

|   |              |        |  |   |
|---|--------------|--------|--|---|
| <b>UC01 Create Product/<br/>UC08 Update Product</b> | NCA UI       | 185225 | Substance manufacturer information is not being displayed on product view or edit forms even though it is defined  |   |
| <b>UC08 Update Product</b>                          | NCA UI       | 183038 | Incorrect validation error is raised when adding a package to a homeopathic product  |   |
| <b>UC08 Update Product</b>                          | NCA UI       | 184011 | Timeout waiting for connection from pool   |   |
| <b>UC08 Update Product</b>                          | NCA UI & API | 184794 | A common update to an MRP product will fail if a user had defined a Marketing Authorization Number at product level, given that the original reference NAP product had Marketing Authorization Number at package level |   |
| <b>UC08 Update Product</b>                          | NCA API      | 180967 | When updating a product via API, if MedicinalProductDefinition is not the first resource entry in the payload the version date displays {{date}} in the UI view  | With MedicinalProductDefinition set as the first resource in the payload there will be no issues. |
| <b>UC08 Update Product</b>                          | NCA UI       | 182508 | On a common data update, a payload with reference to deleted Ingredient in Administrable Product Definition is accepted and invalid data is incorrectly saved  |   |
| <b>UC08 Update Product</b>                          | NCA UI       | 189601 | Search Manufacturer modal window fails when using filter 'City'  |   |
| <b>UC09 Approve/Reject<br/>VNRA</b>                 | NCA UI       | 189270 | VNRA submission for CAP product with incorrect Decision Maker blocks user from submitting any decision   |   |
| <b>UC21 Manage<br/>Notifications</b>                | NCA UI       | 180324 | Notifications are not being generated for the migrated CAP products  |   |
| <b>UC21 Manage<br/>Notifications</b>                | NCA UI       | 180398 | Nullify of a CAP product triggers 2 notifications, the second one incorrectly with an UPDATE action  |   |
| <b>UC25 Availability Status</b>                     | MAH UI       | 183756 | The download starts automatically if the user leaves the VNRA Submission page and opens the AvS download page  |   |
| <b>UC28 View VNRA</b>                               | NCA UI       | 185240 | Incorrect number of submissions shown on VNRA View table when navigating to further pages of the results   | When navigating to page 2, system loses the filter by Submission Status. As a workaround the user |

|  |                 |        |   |  |
|--|-----------------|--------|---|--|
|  |                 |        |   | can explicitly select this value to be filterer. |
| <b>UC37 Automatic sending of notifications</b> | NCA UI & MAH UI | 189584 | When the user changes the Authorization Status, the email notification for this update will state it as a new created field |  |
| <b>UC37 Automatic sending of notifications</b> | NCA UI & MAH UI | 192235 | When a user changes the PSMF field, the email notification for this update will state an update to Documents                |  |

## 2. User support

API and UI users may seek support by contacting the User Support via [EMA Service Now: https://support.ema.europa.eu/](https://support.ema.europa.eu/).

For the technical team to address your query in a timely manner, please include the following information as appropriate:

- UI: Print screen of the information entered to create a veterinary product (go to your browser settings, select Print (or press Control + P) and "Save as PDF" on your computer)
- API: Operational outcome of the unsuccessful task; the request URL and request headers; and for a Create or Update the request body

### **2.1. Available training materials and guidance**

- [Webinars](#)
- [Video tutorials](#)
- [Guidance for National Competent Authorities](#)
- [Guidance for Marketing Authorisation Holders](#)
- [EU Implementation Guide](#)
- [Release notes](#)

## 3. References

1. [Registration Process for UPD \(See under section 'How to register'\)](#) (PDF document)
2. [SPOR API Specification V2\\_R5 \(europa.eu\) API specifications for SMS and PMS, based on FHIR](#)
3. [HL7 FHIR Release 5 Preview 2: the authoritative source for the FHIR specifications used by EMA to implement SMS and PMS API](#)
4. [Referentials Management System](#)
5. [Additional information](#) on the Referentials Management System
6. [Organisations Management System](#)
7. [Additional information](#) on the Organisations Management System

# Annex 1: Overview of functionality and business value


## Functionalities provided in this release


|   |  |
|---|--|
| <b>API</b><br> | RMS can create DCP products (data and documents)   |
|   | RMS can create MRP products (data and documents)   |
|   | RMS can create SRP products (data and documents)   |
|   | RMS and CMS can complement DCP/MRP/SRP products with national DCP/MRP/SRP data and documents                 |
|   | RMS can update Common data for DCP/MRP/SRP products (data and documents)                                     |
|   | NCA can create and update NAP products (data and documents)  |
|   | NCA can create & update Registered Homeopathic products (data and documents)                                 |
|   | NCA can create & update Parallel Trade products (data and documents)   |
|   | NCA can create & update Pet products (data and documents)  |
|   | NCA can Nullify product  |
|   | NCA can Search/view product (data and documents)   |
|   | NCA can Search, View and Approve/Reject VNRA submissions   |
|   | NCA can Approve/Reject VNRA submissions on behalf of other NCAs when a Supergrouping VNRA submission applies |
|   | NCA can View Volume of Sales data  |

**NCA UI**



- RMS can create DCP products (data and documents)
- RMS can create MRP products (data and documents)
- RMS can create SRP RMS can create SRP products (data and documents)
- RMS and CMS can complement DCP/MRP/SRP products with national DCP/MRP data (including documents)
- RMS can update Common data for DCP/MRP/SRP products (data and documents)
- NCA can create and update NAP products (data and documents)
- NCA can create & update Registered Homeopathic products (data and documents)
- NCA can create & update Parallel Trade products (data and documents)
- NCA can create & update Pet products (data and documents)
- NCA can save and retrieve drafts for product submissions
- NCA can Nullify product
- NCA can Bulk Upload Documents
- NCA can Transfer Marketing Authorisation
- Search/view/export products (data and documents)
- Notifications for Create and Update of products and Other Post-Authorisation Data actions
- View Volume of Sales information
- Search, View and Approve/Reject VNRA submissions
- NCA can Approve/Reject VNRA submissions on behalf of other NCAs when a Supergrouping VNRA submission applies
- EMA and EC staff can update CAP products

|  |  |
|--|--|
| <b>MAH UI</b><br> | Search/view/export products (data and documents)   |
|  | Notifications for Create and Update of products and Other Post-Authorisation Data actions  |
|  | Download, Submit, and View Volume of Sales information   |
|  | Submit VNRA and View VNRA submissions  |
|  | Submit Supergrouping VNRAs with the selection of the Foreseen Decision Maker that will approve/reject the whole submission on behalf of the others NCAs involved |
|  | Submit updates for Marketing authorisation status  |
|  | Download and Submit updates for Availability status  |
|  | Submit Products Grouping   |
|  | Submit 3 <sup>rd</sup> country product names   |

|  |  |
|--|--|
| <b>MAH Validation UI</b><br> | Validate Volume of Sales submission file |
|--|--|

**Authorisation  
for NCA &  
MAH UI**



Integration with EMA Account Management (EAM) system for CA and Industry (MAH) roles

CA users may search and view all Vet products

MAH users may search and view only products under the responsibility of the organisations the user represents

**Banner for  
UPD UI**



EMA can maintain messages to appear in banner of UPD UI

**Functionality not included in this release**

The following functionality is not included in this release.

NCA UI:

- None

MAH UI:

- None



## Annex 2: Known issues

Issue reference is an internal number used by the UPD Project team when managing issues. It has been included as User Support may refer to this reference number when responding to your queries. In addition, you can include this reference number when contacting user support on this topic and seeking clarification.

Filter the columns to find those tickets relevant to your role and for NCAs whether you are an API or NCA User or both.

This table is ordered by Use Case number.

| Use Case   | Affects user          | Issue reference (ADO) | Known Issue Description  | Workaround |
|--|-----------------------|-----------------------|--|------------|
| <b>All UC</b>                                      | API & NCA UI & MAH UI | 143996                | CAP: there are now two products for Exzolt and expected there just to be one.  |            |
| <b>API Manager</b>                                 | API                   | 82994                 | API Manager has duplicate Products listed for "UPD API" (v1 and v3 versions of EP); and exposes many EP not intended to be used by API NCA Users. There should only be the one product at this time with v1 Endpoints.   |            |
| <b>UC01 Create product</b>                         | API                   | 83042                 | Create parallel trade product via API: the GET OperationOutcome response is populating in the DCP format and it was expected would use same pattern as NAP.  |            |
| <b>UC01 Create product<br/>UC08 Update product</b> | NCA UI & API          | 154083                | (Marketing authorisation application) Legal basis: Vet EU IG Chapter 2 section 1.7.1 : some terms from the RMS list are missing.   |            |
| <b>UC03 Search product</b>                         | MAH UI                | 107914                | After organization merge, MAH cannot find their products in General search, VNRA submission screen or VoS csv (UPD, VNRA or OPAD databases). Note: even though this issue has been in UPD and known for a while, but it has not been well documented in a ticket. The issue is expected to be resolved in the near future. |            |

|                            |                      |        |   |
|----------------------------|----------------------|--------|---|
| <b>UC03 Search product</b> | NCA UI & MAH UI      | 83234  | Search limitations due to FHIR limitation or MS FHIR limitation.  |
| <b>UC05 View product</b>   | NCA UI & MAH UI      | 83259  | When View product QPPV displays as N/A even although the product does have a LOC-ID populated. This affects only some products and may be due to some Data Quality issue in the affected products.  |
| <b>UC08 Update product</b> | API & NCA UI         | 79977  | All procedure types: if product does not contain any existing value for Responsible Authority or Product Owner, when an update is submitted the new LOC-ID is not saved.  |
| <b>UC08 Update product</b> | API & NCA UI         | 152242 | CAP product only - after updating product in UPD there is a duplicated Pack size attribute. This duplicate attribute is only seen view Retrieve product via API. Subsequent updates via UPD for affected products are successful.   |
| <b>UC08 Update product</b> | API                  | 82437  | Change to procedure number not saved if existing inline attribute id is not included in the request body.   |
| <b>UC08 Update product</b> | NCA UI & MAH UI      | 83142  | For CAP products: there are examples where two products have been created and expected just one. This may occur when a new package has been added or package information has been updated. The cause of the issue will be resolved and affected products corrected.   |
| <b>UC08 Update product</b> | API                  | 82569  | UC08 Update SC2 NAP - should reject update with validation error message if MedicinalProductDefinition.id is not populated.   |
| <b>UC08 Update product</b> | API & NCA UI         | 144350 | Update Common Data DCP/MRP/SRP to remove the last remaining country from the list of Concerned MS fails with Validation error when submitting via NCA UI. There is no validation error if submitted via API. Acceptance criteria and validation required to be reviewed so that API and NCA UI are aligned. |
| <b>UC08 Update product</b> | ETL for CAP products | 162162 | Retrieve from UPD correct information on 2.5. Authorisation status (MA status) and 2.6. Date of authorisation status change for CAP products  |

|   |        |        |   |   |
|---|--------|--------|---|---|
| <b>UC19 Nullify product</b>                 | API    | 132758 | Nullify Product via API - OperationOutcome ID now has suffix of "-Patch" which is not expected and is potentially a breaking change for API users. When submitting GET OperationOutcome/ID the response code is 499 Client Closed Request. Therefore it is not possible to nullify a product via the API in this release and NCA UI will need to be used. | In order to nullify a product, please use the Web User Interface. |
| <b>UC25 Update Availability status</b>      | MAH UI | 177951 | Submissions of Availability Status fails for some CAP products with Error 36  |   |
| <b>UC28 View VNRA</b>                       | NCA UI | 83344  | For a VNRA submitted for a product where the Responsible Authority is not correctly populated (for example may have incorrectly been populated with MAH LOC-ID): an NCA User for that Authorisation country is not able to view the VNRA Submission even after the Responsible Authority has been corrected in the product(s) included in the submission. |   |
| <b>UC31 Manage VNRA Submissions via API</b> | API    | 142804 | All of the endpoints for VNRA API <a href="https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission">https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission</a> fail with 404 Resource Not Found.   |   |

## Annex 3: Release Schedule

| Environment | Closed from   | Closed to     | Expected to be open | Description   |
|-------------|---------------|---------------|---------------------|---|
| PROD        | 23 April 2024 | 23 April 2024 | 24 April 2024       | Upgrade of UPD to <b>1.7.2417</b>   |
| UAT         | 21 May 2024   | 21 May 2024   | 21 May 2024         | Upgrade of UPD to <b>1.7.2417-6</b> (this update contains only hot fixes and does not include other bug fixes nor new features).              |
| PROD        | 30 May 2024   | 30 May 2024   | 31 May 2024         | Upgrade of UPD to <b>1.7.2417-6</b> (this update contains only hot fixes and does not include other bug fixes nor new features).              |
| UAT         | 4 June 2024   | 4 June 2024   | 5 June 2024         | Upgrade of UPD to <b>1.7.2424</b>   |
| PROD        | 12 June 2024  | 12 June 2024  | 13 June 2024        | Upgrade of UPD to <b>1.7.2424</b>   |
| UAT         | 20 June 2024  | 20 June 2024  | 20 June 2024        | Upgrade of UPD to <b>1.7.2424-5</b>   |
| PROD        | 1 July 2024   | 1 July 2024   | 2 July 2024         | Upgrade of UPD to <b>1.7.2424-5</b>   |
| UAT/PROD    |               |               |                     | <i>Q3 2024 releases will be considered at the next Program Increment planning to be held on 3-4 July 2024 and communicated in due course.</i> |

## **Annex 4: Guidance for API users**

### **4.1 UPD API to Maintain Products and Product Documents**

#### **4.1.1. Scope of this release for API**

- Create DCP based on Chapter 4 Legacy or Chapter 2 rules
- Create MRP based on Chapter 4 Legacy or Chapter 2 rules
- Create SRP based on Chapter 4 Legacy or Chapter 2 rules
- RMS can update Common Data for products under DCP/MRP/SRP (data and documents)
- RMS and CMS can complement DCP/MRP/SRP product with national data
- Create NP & Registered Homeopathic based on Chapter 4 Legacy or Chapter 2 rules
- Update NP & Registered Homeopathic product based on Chapter 4 Legacy or Chapter 2 rules
  - Edit existing, add new, or delete an existing non-mandatory attribute
  - Add new resources. For example: add an Ingredient or add another Package
  - Delete an existing non-mandatory resource. For example: remove an Ingredient
- Create & Update Parallel trade based on Chapter 4 Legacy or Chapter 2 rules
- Create & Update Pet products based on Chapter 4 Legacy or Chapter 2 rules
- Search and retrieve products
- Nullify product
- Upload, search, retrieve, and update Documents (for product under any procedure type)

#### 4.1.2. UPD API supported Product Service endpoints

EP302 Search Product Part and EP305 Get Product Part endpoints are no longer available.

| SPOR API Specification v2       | API Manager   |
|---------------------------------|---|
| EP301 Search Product            | <b>GET</b> MedicinalProductDefinition - Search for a MedicinalProductDefinition resource or resources |
| EP303 Get Product               | <b>GET</b> MedicinalProductDefinition - Get a MedicinalProductDefinition ID                           |
| EP304 Get Product Full          | <b>GET</b> Everything Current - Get \$everything for a MedicinalProductDefinition ID                  |
| EP306 Get Product Version       | <b>GET</b> MedicinalProductDefinition Version - Get version of MedicinalProductDefinition ID          |
| EP306a Get Product Version Full | <b>GET</b> Everything Versioned - Get \$everything for a version of MedicinalProductDefinition ID     |
| EP307 Get Product Versions      | <b>GET</b> MedicinalProductDefinition - Get history of MedicinalProductDefinition ID                  |

| SPOR API Specification v2   | API Manager   |
|---|---|
| EP309 Create Product  | <p>NAP: <b>POST</b> Bundle - Create/Update resources in the bundle</p> <p>DCP: <b>POST</b> dcp-bundle - Submit a Create DCP payload</p> <p>MRP: <b>POST</b> mrp_bundle – Submit a Create MRP payload</p> <p>SRP: <b>POST</b> srp_bundle – Submit a Create SRP payload</p> <p>Registered homeopathic: <b>POST</b> Bundle - Create/Update resources in the bundle</p> <p>Parallel trade: <b>POST</b> ptp-bundle - Create/Update resources in the bundle</p> <p>Pet: <b>POST</b> pet-bundle - Create/Update resources in the bundle</p> <p>Refer to <a href="#">4.1.5.2. Create and Update endpoints</a></p> |
| <p>EP309 Create Product<br/>EP311 Update Product</p> <p>for use with any Create or Update</p> | <p><b>GET</b> OperationOutcome - Get a resource by ID</p> <p>Note: use this to query the outcome of Create or Update when response to Post is "202 Accepted"</p>  |
| EP311 Update Product  | <p>NAP: <b>POST</b> Bundle - Create/Update resources in the bundle</p> <p>Update National Data: <b>POST</b> /upd/api/v1/national-data-bundle/ - Submit an Update National Data payload for DCP/MRP/SRP products</p> <p>Update Common Data: <b>POST</b> /upd/api/v1/common-data-bundle/ - Submit an Update Common Data payload for DCP/MRP/SRP products</p>  |

| SPOR API Specification v2         | API Manager  |
|-----------------------------------|--|
| EP318 Validate Product            | <p><b>POST</b> Validate Bundle – To validate a bundle and the resources in the bundle</p> <p>Used for all procedure types; for both chapter 2 or legacy validation rules; and for both Create &amp; Update</p> |
| EP UC19 Nullify Product           | <p><b>POST</b> /upd/api/v1/vmp-nullification/</p>  |
| EP401 Search document             | <p><b>GET</b> DocumentReference - Search for DocumentReference</p> <p>No</p>   |
| EP402 Get/Retrieve document by Id | <p><b>GET</b> DocumentReference - Get a DocumentReference by Id</p> <p>Note</p>  |
| EP403 Create document             | <p><b>POST</b> DocumentReference - Create a DocumentReference</p>  |
| EP404 Update document by Id       | <p><b>PUT</b> DocumentReference - Update a DocumentReference</p> <p>Please note: API Manager method shows as PUT however please use <b>POST</b> with request header is_update=true.</p>                        |

### 4.1.3. API Manager product subscription

Any new API users should register a user and subscribe to the product [Authorised - UPD API - Milestone 3 \(UPD 1.03\)](#) in API Manager.



The credentials for this new product can be used for all supported endpoints as listed in section 4.1.2. UPD API supported Product Service endpoints Refer to the document [UPD 01.03 Registration Process for UPD API in Production/UAT](#) listed in the [References](#) section.

#### 4.1.4. Apply Chapter 4 Legacy or Chapter 2 Validation rules

When submitting a POST for EP309 Create Product or EP311 Update Product, there is a Request header that is used to specify which validation rules are to be applied.

Please note that each type of update may use a different value for the Key.

| Value                              | Validation rules applied  |
|------------------------------------|---------------------------|
| <i>Request header not included</i> | Vet EUIG Chapter 2        |
| false                              | Vet EUIG Chapter 2        |
| true                               | Vet EUIG Chapter 4 Legacy |

#### 4.1.5. API EP309 Create, EP311 Update & Nullify product endpoints

##### 4.1.5.1. Request headers applicable for all Create, Update & Nullify POST

When submitting a POST for EP309 Create Product or EP311 Update or Nullify Product, the same Request headers are used for all endpoints that specify the format for the request and response.

| Request Header: Key | Values  | Purpose  |
|---------------------|---|--|
| Content-type        | application/fhir+xml<br>application/fhir+json | Specifies the format of the request body that is being submitted |

| Request Header: Key | Values  | Purpose  |
|---------------------|---|--|
| Accept              | application/fhir+xml<br>application/fhir+json | Specifies the format for the response body of the POST if there are any validation or other errors |

#### 4.1.5.2. Create and Update endpoints

- As specified in SPOR API v2 Specification section 6.4.12
- Refer to API Manager developer portal
- The Request body is a Bundle (type=transaction) of MedicinalProductDefinition and other resources
- For all the Update endpoints, the Bundle should be based on all data in the existing product. This includes Update Common Data DCP/MRP/SRP where all existing National data should also be included in the bundle even although it is only Common data that will be updated
- Create MRP is an update to an existing NP product. The Bundle should be based on all national data in that product, with the additional Common data added, and the procedure type updated to MRP
- Create SRP is an update to an existing DCP/MRP/SRP product. The Bundle should be based on all national data in that product, with the additional Common data added
- Please refer to the example bundles and recommended approach sections

| Type and Procedure | POST Endpoint           | Request header Key for validation rules | Additional Request header |
|--------------------|-------------------------|---|---------------------------|
| Create NP          | /pms/api/v2             | chapter4                                |                           |
| Update NP          | /pms/api/v2             | chapter4                                | is update = true          |
| Create DCP         | /upd/api/v1/dcp-bundle/ | chapter4                                |                           |

| Type and Procedure               | POST Endpoint                     | Request header Key for validation rules                          | Additional Request header |
|----------------------------------|-----------------------------------|--|---------------------------|
| Update Common Data DCP/MRP/SRP   | /upd/api/v1/common-data-bundle/   | chapter4   | is update = true          |
| Update National Data DCP/MRP/SRP | /upd/api/v1/national-data-bundle/ | chapter4   | is update = true          |
| Create MRP                       | /upd/api/v1/mrp-bundle/           | chapter4   |                           |
| Create SRP                       | /upd/api/v1/srp-bundle/           | chapter4   |                           |
| Create Registered Homeopathic    | /pms/api/v2                       | homeopathicschapter2 = true<br>OR<br>homeopathicschapter4 = true |                           |
| Update Registered Homeopathic    | /pms/api/v2                       | homeopathicschapter2 = true<br>OR<br>homeopathicschapter4 = true | is update = true          |
| Create Parallel Trade            | /upd/api/v1/ptp-bundle/           | parallelchapter2 = true<br>OR                                    |                           |

| Type and Procedure                      | POST Endpoint           | Request header Key for validation rules  | Additional Request header   |
|---|-------------------------|--|---|
|   |                         | parallelchapter4 - true  |   |
| Update Parallel Trade                   | /upd/api/v1/ptp-bundle/ | parallelchapter2 = true<br>OR<br>parallelchapter4 - true                             | is update = true  |
| Create Pet                              | /upd/api/v1/pet-bundle/ | chapter4   |   |
| Update Pet                              | /upd/api/v1/pet-bundle/ | chapter4   | is update = true  |
| To Validate any Create or Update bundle | /pms/api/v2/\$Validate  | Use appropriate request header to apply validation rules based on the procedure type | Use is update = true when validating the following bundles: <ul style="list-style-type: none"> <li>• Update NP</li> <li>• Update Registered Homeopathic</li> <li>• Update Parallel Trade</li> <li>• Update Pet</li> <li>• Update Common Data DCP/MRP/SRP</li> <li>• Update National Data DCP/MRP/SRP</li> <li>• Create MRP</li> <li>• Create SRP</li> </ul> |

### 4.1.5.3. Nullify endpoint

| Type and Procedure | POST Endpoint                  | Request header Key for validation rules | Additional Request header |
|--------------------|--------------------------------|---|---------------------------|
| Nullify product    | /upd/api/v1/vmp-nullification/ | not required                            |                           |

| Content-Type | Request body  |
|--------------|---|
| JSON         | <pre>{   "permanentId": "Permanent Identifier" }</pre>  |
|              | <p>For example:</p> <pre>{   "permanentId": "600011984989" }</pre>  |
| XML          | <pre>&lt;root&gt;&lt;permanentId&gt; Permanent Identifier &lt;/permanentId&gt;&lt;/root&gt;</pre>           |
|              | <p>For example:</p> <pre>&lt;root&gt;&lt;permanentId&gt;600011353107&lt;/permanentId&gt;&lt;/root&gt;</pre> |

Response to POST:

- Response code 202 Accepted indicates the nullification has been successfully submitted
- Response code 400 Bad request indicates there is a validation error and the Response body will contain error message. For example: "Resource type 'Bundle' with id '600011984989' couldn't be found."

#### **4.1.5.4. Response to POST for Create, Update or Nullify and use of Get OperationOutcome**

When POST for Create, Update or Nullify is successful and it cannot be honoured timely it is automatically queued. The Response header **Content-Location** contains an id that can be used to obtain the status of the operation.

Content-Location has two parts: **post-operation/operation-outcome-id**

The status of the operation can be consulted, it is one of:

- QUEUED
- IN\_PROGRESS
- MSG\_CREATED
- ERROR

Upon successful creation, update or nullification of the medicinal product, the operation outcome will show a status of MSG\_CREATED along with the unique Permanent identifier(s) of the product(s).

The endpoint GET OperationOutcome/**operation-outcome-id** is used to query the status of the operation and this should be repeated until it is successful with MSG\_CREATED or has ERROR.

The format of the Content-Location is showing in the following table, and the response value can be used for Get OperationOutcome.

| <b>POST</b> | <b>Content Location example showing format of the operation-outcome-id</b> |
|-------------|--|
| Create NP   | OperationOutcome/baab996e-8e58-4825-89d1-90a8f30458db                      |
| Update NP   | OperationOutcome/c2e2275c-141c-4631-a42e-045726d95adb                      |

| POST                                   | Content Location example showing format of the operation-outcome-id   |
|--|---|
| Create DCP                             | Release 1.6.16 and prior: dcp-operation-outcome/ddb9f96b-10f5-4428-9503-170feb5c58db-DCP<br>Release 1.6.20 is now: OperationOutcome/ddb9f96b-10f5-4428-9503-170feb5c58db-DCP          |
| Update Common Data DCP/MRP/SRP         | Release 1.6.16 and prior: common-data-operation-outcome/f4d76850-358a-48f1-a9bb-3fb4b1615bdb-CD<br>Release 1.6.20 is now: OperationOutcome/ f4d76850-358a-48f1-a9bb-3fb4b1615bdb-CD   |
| Update National Data DCP/MRP/SRP       | Release 1.6.16 and prior: national-data-operation-outcome/b371f2db-dd29-4c60-b6ab-63b0abf95bdb-ND<br>Release 1.6.20 is now: OperationOutcome/ b371f2db-dd29-4c60-b6ab-63b0abf95bdb-ND |
| Create MRP                             | Release 1.6.16 and prior: mrp-operation-outcome/2f89089c-3ad7-4427-9311-7ea491395ddb-MRP<br>Release 1.6.20 is now: OperationOutcome/2f89089c-3ad7-4427-9311-7ea491395ddb-MRP          |
| Create SRP                             | Release 1.6.16 and prior: srp-operation-outcome/cf7af9a9-b34d-4db9-a551-89d40c077306-SRP<br>Release 1.6.20 is now: OperationOutcome/cf7af9a9-b34d-4db9-a551-89d40c077306-SRP          |
| Create & Update Registered Homeopathic | OperationOutcome/a588416b-7a0b-40b1-8d03-a88ea4668f8f   |
| Create & Update Parallel Trade         | OperationOutcome/04b5bc00-16f4-4ea0-b33e-1a95029d8f8f-PTP   |
| Create & Update Pet                    | OperationOutcome/2664fdf2-6aef-4540-8254-b6df6451b8af-PET   |

#### **4.1.5.5. Creating products for DCP or Update Common Data if national data is provided**

When the RMS submits a request bundle to create DCP products, they should only provide Common Data. Refer to Annex 1 of Vet EU IG Chapter 2.

If any National data attributes are populated in the create request bundle this does not result in a validation error. The products for the RMS and each CMS will be created, and any national data entered will be silently ignored.

The same applies for Update Common Data. The RMS should populate the complete Update bundle for their RMS product containing all existing Common and National Data. Only Common Data will be updated to the RMS product and the CMS products under the Product identifier.

#### 4.1.5.6. Key changes in valid request bundle for create and update

| Attribute | Change |
|-----------|--------|
| None      |        |

#### 4.1.6. API EP309 Create product example request bundles

Examples for EP309 Create Product for NP and DCP. Please note that the purpose of these examples is as illustration of the FHIR attributes to be populated.

The value for MedicinalProductDefinition as a cross referenced product is a valid permanent identifier from UAT.

**Please note: example files still to be updated and re-released taking into account that pack size is now mandatory.**

| Procedure type | Validation rules | Example file                                    |
|----------------|------------------|---|
| DCP            | Chapter 2        | UPD_1.6.5-6_DCP_Chpt2_C2_Mandatory_VetIG.JSON   |
|                |                  | UPD_1.6.5-6_DCP_Chpt2_C2_Mandatory_VetIG.XML    |
|                |                  | UPD_1.6.5-6_DCP_Chpt2_C110_VetEUIG_AllData.JSON |
|                |                  | UPD_1.6.5-6_DCP_Chpt2_C110_VetEUIG_AllData.XML  |
| DCP            | Chapter 4 Legacy | UPD_1.6.5-6_DCP_Legacy_C2_Mandatory_VetIG.JSON  |
|                |                  | UPD_1.6.5-6_DCP_Legacy_C2_Mandatory_VetIG.XML   |



| Procedure type | Validation rules | Example file  |
|----------------|------------------|---|
|                |                  | UPD_1.6.5-6_DCP_Legacy_C110_VetEUIG_AllData.JSON<br>UPD_1.6.5-6_DCP_Legacy_C110_VetEUIG_AllData.XML   |
| NAP            | Chapter 2        | 2.2 Authorisation/registration/entitlement number is specified at Product level<br>UPD_1.6.1-4_NAP_Chpt2_C2_Mandatory_VetIG_MANumber_AtMedicinalProductLevel.JSON<br>UPD_1.6.1-4_NAP_Chpt2_C2_Mandatory_VetIG_MANumber_AtMedicinalProductLevel.XML<br>UPD_1.5.1-0_NAP_Chpt2_C110_VetEUIG_AllData_MANumber_AtMedicinalProductLevel.JSON<br>UPD_1.5.1-0_NAP_Chpt2_C110_VetEUIG_AllData_MANumber_AtMedicinalProductLevel.XML<br><hr/> 5.5 Marketing authorisation (package level)<br>UPD_1.5.1-0_NAP_Chpt2_C111_VetEUIG_AllData_MANumber_AtPackageLevel.JSON<br>This example contains 2 packages.<br>There are 3 RegulatedAuthorization resources: <ul style="list-style-type: none"> <li>• One with subject reference = MedicinalProductDefinition resource; populated with attributes from Section 2 (Vet EUIG Chapter 2), excluding the marketing authorisation number</li> <li>• One with subject reference = 1<sup>st</sup> PackagedProductDefinition resource; populated with the Marketing authorisation number for Package 1</li> <li>• One with subject reference = 2nd PackagedProductDefinition resource; populate with the Marketing authorisation number for Package 2</li> </ul> |
| NAP            | Chapter 4 Legacy | UPD_1.6.1-4_NAP_Legacy_C2_Mandatory_VetIG_MANumber_AtMedicinalProductLevel.JSON   |

| Procedure type         | Validation rules | Example file   |
|------------------------|------------------|--|
|                        |                  | UPD_1.6.1-4_NAP_Legacy_C2_Mandatory_VetIG_MANumber_AtMedicinalProductLevel.XML<br>UPD_1.5.1-0_NAP_Legacy_C110_VetEUIG_AllData_MANumber_AtMedicinalProductLevel.JSON<br>UPD_1.5.1-0_NAP_Legacy_C110_VetEUIG_AllData_MANumber_AtMedicinalProductLevel.XML  |
| NAP                    | Chapter 4 Legacy | UPD_1.5.1-0_NAP_Legacy_Cx_ManyAttributesAndResources_MANumberAtMedicinalProductLevel.XML<br>This example contains: <ul style="list-style-type: none"> <li>• 2 or more values for those attributes that are repeatable. For example, Product name, ATC Vet Code, Manufacturing Business Operation</li> <li>• 2 Packages (PackagedProductDefinition)</li> <li>• 2 Manufactured Items (ManufacturedItemDefinition)</li> <li>• 3 Ingredients (Ingredient)</li> </ul> |
| NAP                    | Chapter 2        | UPD_1.5.1-0_NAP_Chpt2_ExampleForStrengthAsPresentationOrConcentration.XML<br>This example contains Ingredient resources that illustrate how to specify Substance and Reference Strength as either Presentation or Concentration.   |
| NAP                    | Chapter 2        | NAP_Chpt2_Create_BR-178_StrengthFreeTextExample_1.6.22-6.XML<br>F178: This example contains Ingredient resources that illustrate how to specify free-text substance or reference substance strength  |
| Registered Homeopathic | Chapter 2        | UPD_1.6.1-4_HOM_Chpt2_C2_Mandatory_VetIG_MANumber_AtMedicinalProductLevel.JSON<br>UPD_1.6.1-4_HOM_Chpt2_C110_VetEUIG_AllData_MANumber_AtMedicinalProductLevel.JSON   |
| Parallel Trade         | Chapter 2        | UPD_1.6.8-4_PAT_Chpt2_C2_Mandatory_VetIGI.JSON   |

| Procedure type | Validation rules | Example file   |
|----------------|------------------|--|
|                |                  | UPD_1.6.8-4_PAT_Chpt2_C110_VetEUIG_AllData.JSON  |
| Pet            | Chapter 2        | PET_Chpt2_C2_Mandatory_VetIG_MANumber_AtMedicinalProductLevel_1.6.34-5.json<br>PET_Chpt2_C110_AllData_VetIG_MANumber_AtMedicinalProductLevel_1.6.34-5.json |

#### 4.1.6.1. Recommended approach to prepare update request bundle

The recommended approach for preparing a request bundle to update a product (any procedure type) is:

- Use the response from EP304 GET MedicinalProductDefinition/{permanent identifier}/\$everything as a starting point
- Add Bundle.entry.request for each resource and update Bundle.type

| Attribute              | Change   |
|------------------------|--|
| Bundle.type            | Must be "transaction"  |
| For every Bundle.entry | Bundle.entry.request must also be populated.<br>Bundle.entry.request.method should be: <ul style="list-style-type: none"> <li>• PUT to update an existing resource</li> <li>• POST to add a new resource</li> </ul> Bundle.entry.request.url should be: <ul style="list-style-type: none"> <li>• Same value as Bundle.entry.fullUrl</li> </ul> |

For example:

```
<?xml version="1.0" encoding="utf-8"?>
<Bundle xmlns="http://hl7.org/fhir">
  <id value="600000022531" />
  <meta>
    <versionId value="1" />
    <lastUpdated value="2021-07-07T08:52:51.607+00:00" />
  </meta>
  <type value="transaction" />
  <entry>
    <fullUrl value="MedicinalProductDefinition/600000022531" />
    <resource>
      <MedicinalProductDefinition>


---


    </resource>
    <request>
      <method value="PUT" />
      <url value="MedicinalProductDefinition/600000022531" />
    </request>
  </entry>
  <entry>
    <fullUrl value="PackagedProductDefinition/170427" />
    <resource>
      <PackagedProductDefinition>


---


    </resource>
    <request>
      <method value="PUT" />
      <url value="PackagedProductDefinition/170427" />
    </request>
  </entry>
</Bundle>
```

- DO NOT edit or remove the IDs for each resource and in-line within each resource in the EP304 Get \$everything response

#### 4.1.6.2. How to use Update NP product endpoint and example bundle

|                        |             |                         |
|------------------------|-------------|-------------------------|
| Create product via API | POST Bundle | Sample XML bundle used: |
|------------------------|-------------|-------------------------|

|                         |  |  |
|-------------------------|--|--|
|                         |  | UPD_1.5.1-0_NAP_Legacy_C110_VetEUIG_AllData_MANumber_AtMedicinalProductLevel.XML   |
| Check operation outcome | MSG_CREATED message expected containing Permanent identifier   |  |
| EP304 Get Product Full  | <p>Prepare update bundle based on the response by updating Bundle.type to transaction and adding Bundle.entry.request.method for each resource.<br/> Edit the payload<br/> e.g.</p> <ul style="list-style-type: none"> <li>- modify product name</li> <li>- add another ATC Vet code</li> <li>- add another ManufacturedItemDefinition including this into the existing PackagedProductDefinition</li> </ul> | <p>Sample XML of Get Everything response used as a starting point:<br/> UPD_1.5.1-0_EP311_UpdateProduct_GetEverything_version1.XML</p> <p>Update bundle prepared:<br/> UPD_1.5.1-0_EP311_UpdateProduct_RequestBundle.XML</p> |
| Update product via API  | <p>POST Bundle with request headers to /pms/api/v2</p> <ul style="list-style-type: none"> <li>• "is_update=true"</li> <li>• "chapter4" = true or false for the validation rules to apply</li> </ul>  |  |
| Check operation outcome | MSG_CREATED message expected containing Permanent identifier   |  |
| EP304 Get Product Full  | Check the response for modifications   | <p>Sample XML of GET everything after update:<br/> UPD_1.5.1-0_EP311_UpdateProduct_GetEverything_version2.XML</p>  |

### 4.1.6.3. How to use Update National Data DCP/MRP/SRP product endpoint and example bundle

|                                |   |   |
|--------------------------------|---|---|
| <p>EP304 Get Product Full</p>  | <p>Prepare update bundle based on the response by updating Bundle.type to transaction and adding Bundle.entry.request.method for each resource.</p> <p>Edit the payload and add national data e.g.</p> <ul style="list-style-type: none"> <li>- Product name</li> <li>- Legal status of supply (product level)</li> <li>- Package description</li> <li>- Marketing authorisation number (product level)</li> <li>- Marketing authorisation status &amp; dates</li> <li>- Responsible authority</li> </ul> | <p>Create DCP using this example file:<br/>UPD_1.6.16-5_CreateDCPForUpdateNationalData.XML</p> <p>Product Identifier: d0f4414c-cd65-478b-921e-f107c66f7a85</p> <p>CMS for Italy <b>Permanent identifier:</b> 600000251886</p> <p>Sample XML of Get Everything response used as a starting point:<br/>UPD_1.6.16_DCP_UpdateNationalData_600000251886_GetEverything_v1.XML</p> <p>Update bundle prepared:<br/>UPD_1.6.16_DCP_UpdateNationalData_600000251886_BasedOn_v1.XML</p> |
| <p>Update product via API</p>  | <p>POST Bundle with request headers to /upd/api/v1/national-data-bundle/</p> <ul style="list-style-type: none"> <li>• "is_update=true"</li> <li>• "chapter4" = true or false for the validation rules to apply</li> </ul>   |   |
| <p>Check operation outcome</p> | <p>MSG_CREATED message expected containing Permanent identifier</p>   |   |
| <p>EP304 Get Product Full</p>  | <p>Check the response for modifications</p>   | <p>Sample XML of GET everything after update:<br/>UPD_1.6.16_DCP_UpdateNationalData_600000251886_GetEverything_v2.XML</p>   |

**4.1.6.4. How to use Update Common Data DCP/MRP/SRP product endpoint and example bundle**

|                                |   |  |
|--------------------------------|---|--|
| <p>EP304 Get Product Full</p>  | <p>Prepare update bundle based on the response by updating Bundle.type to transaction and adding Bundle.entry.request.method for each resource.</p> <p>Edit the payload<br/>e.g.</p> <ul style="list-style-type: none"> <li>- modify common product name</li> <li>- add another ATC Vet code</li> </ul> <p>Important: any national data that has been populated should be also included in the update bundle.</p> | <p>Sample XML of Get Everything response used as a starting point:</p> <p>UPD_1.5.3-4_DCP_UpdateCommonData_Product_600000149642_GetEverything_Version1.XML</p> <p>Update bundle prepared:</p> <p>UPD_1.5.3-4_DCP_UpdateCommonData_Product_600000149642_UpdateBundleBasedOnVersion1.XML</p> |
| <p>Update product via API</p>  | <p>POST Bundle with request headers to /upd/api/v1/common-data-bundle/</p> <ul style="list-style-type: none"> <li>• "is_update=true"</li> <li>• "chapter4" = true or false for the validation rules to apply</li> </ul>   |  |
| <p>Check operation outcome</p> | <p>MSG_CREATED message expected containing Permanent identifiers</p>  |  |
| <p>EP304 Get Product Full</p>  | <p>Only the Common data in the RMS and CMS products under that Product Identifier will be updated</p>   | <p>Please refer to Known issues section for any outstanding issues where national data submitted when updating common data is not being ignored.</p>   |

#### 4.1.6.5. How to use Create MRP product endpoint and example bundle

|                           |   |   |
|---------------------------|---|---|
| EP304 Get Product Full    | Prepare update bundle based on the response by updating Bundle.type to transaction and adding Bundle.entry.request.method for each resource.  | Sample XML of Get Everything response used as a starting point:<br><br>UPD_1.5.3-4_CreateMRP_NP_600000184179_GetEverything_version1.XML |
| Prepare Create MRP Bundle | <ul style="list-style-type: none"> <li>• Change procedure type from NP to MRP</li> <li>• Add Common Name with Country = EU and Language = English</li> <li>• Add Reference member state and Concerned member state</li> <li>• Add Common package description in English (if doesn't exist)</li> </ul> | Create MRP bundle prepared:<br><br>UPD_1.5.3-4_CreateMRP_BasedOn_NP_version1.XML  |
| Create MRP via API        | POST Bundle with request headers to /upd/api/v1/mrp-bundle/ <ul style="list-style-type: none"> <li>• "chapter4" = true or false for the validation rules to apply</li> </ul>  |   |
| Check operation outcome   | MSG_CREATED message expected containing Permanent identifiers for RMS NP product and products created for each CMS  |   |
| EP304 Get Product Full    | RMS: <ul style="list-style-type: none"> <li>• Contains the Common data that was added</li> </ul> CMS:   |   |



|  |   |  |
|--|---|--|
|  | <ul style="list-style-type: none"> <li>Each new product is only populated with Common data, with status of Provisional</li> </ul> |  |
|--|---|--|

**4.1.6.6. How to use Create SRP product endpoint and example bundle**

|                           |   |   |
|---------------------------|---|---|
| EP304 Get Product Full    | Prepare update bundle based on the response by updating Bundle.type to transaction and adding Bundle.entry.request.method for each resource.  | Sample XML of Get Everything response used as a starting point:<br><br>UPD_1.6.1-4_CreateSRP_RMSPProduct_GetEverything_version1.XML |
| Prepare Create SRP Bundle | <ul style="list-style-type: none"> <li>Add new Concerned member state(s)</li> <li>Update common data as required</li> </ul>   | Create SRP bundle prepared:<br><br>UPD_1.6.1-4_CreateSRP_BasedOnRMSPProduct_version1.XML  |
| Create SRP via API        | POST Bundle with request headers to /upd/api/v1/srp-bundle/ <ul style="list-style-type: none"> <li>"chapter4" = true or false for the validation rules to apply</li> </ul>              |   |
| Check operation outcome   | MSG_CREATED message expected containing Permanent identifiers for existing RMS & CMS products and products created for each new CMS   |   |
| EP304 Get Product Full    | RMS & existing CMS: <ul style="list-style-type: none"> <li>Contains the new CMS</li> <li>Procedure type remains unchanged</li> <li>Contains the Common data that was updated</li> </ul> |   |

|  |   |  |
|--|---|--|
|  | New CMS: <ul style="list-style-type: none"> <li>Each new product is only populated with Common data, with status of Provisional, and procedure type of SRP</li> </ul> |  |
|--|---|--|

## 4.1.7. API Manage document

### 4.1.7.1. EP403 Create document

#### Resource Information

|                 |  |
|-----------------|--|
| <b>Endpoint</b> | POST /pms/api/v2/DocumentReference               |
| <b>Request</b>  |  |
| Accept          | application/fhir+xml<br>application/fhir+json    |
| Body            | <DocumentReference<br>..<br></DocumentReference> |
| Content-type    | application/fhir+xml<br>application/fhir+json    |

|                 |  |
|-----------------|--|
| <b>Response</b> |  |
| Body            | Document with version 1 and document ID returned<br><br>Note: ID expected format example:<br><span style="color: #c00000;">3c46270e-3c3d-4869-a73c-ad4d7c3f2893</span> |

#### Query Parameters

None

## Example Request

For UAT environment: POST <https://spor-uat.azure-api.net/pms/api/v2/DocumentReference>

Example file for request body: UPD\_1.6.1-4\_Doc\_EP403\_CreateDocument.XML

PDF document that was converted to base64: EP403\_UploadDocument.PDF

- Document status value is case-sensitive (e.g.: current will work; CURRENT will fail)
- Document language value is case-sensitive (e.g.: en will work; EN will fail)

### 4.1.7.2. EP401 Search document

#### Resource Information

|                 |   |
|-----------------|---|
| <b>Endpoint</b> | GET /pms/api/v2/DocumentReference?{ param}={value}[&{param}={value}]  |
| <b>Request</b>  |   |
| Accept          | application/fhir+xml<br>application/fhir+json   |
| Body            | n/a   |
| Content-Type    | n/a   |
| <b>Response</b> |   |
| Body            | Bundle of <DocumentReference>(s)<br><br>e.g.<br>Bundle<br>Total value=N<br>[entry<br>{DocumentReference Resource Type}<br>] * |

## Path Parameters

| Name    | Description  |
|---------|--|
| Version | Service version number<br><b>Example value:</b><br>2 |

## Query Parameters

| Name     | Description   |
|----------|---|
| related  | Permanent identifier of the product the document is related to  |
| type     | Type of document  |
| _summary | Boolean set to true or false.<br><br>If set to true, the contents of the document is not populated in the response in DocumentReference.content.attachement,data.<br><br>There is a url provided but it is not intended that you can use this to retrieve the document. |

## Example request

GET /pms/api/v2/DocumentReference?related=MedicinalProductDefinition/600000216133

GET /pms/api/v2/DocumentReference?type=100000155538

GET /pms/api/v2/DocumentReference?related=MedicinalProductDefinition/600000216133&\_summary=true

### 4.1.7.3. EP402 Get/retrieve document

## Resource Information

|          |   |
|----------|---|
| Endpoint | GET /pms/api/v2/DocumentReference/{document-id} |
|----------|---|

| <b>Request</b>  |   |
|-----------------|---|
| Accept          | application/fhir+xml<br>application/fhir+json |
| Body            | n/a   |
| Content-Type    | n/a   |
| <b>Response</b> |   |
| Body            | Resource of type MedicinalProductDefinition   |

### Path Parameters

| Name               | Description  |
|--------------------|--|
| <b>Document id</b> | A unique document identifier UUID<br><b>Example value:</b><br>7a88176d-10f9-4db3-8fa0-4e4ae4594df7 |
| <b>version</b>     | Service version number<br><b>Example value:</b><br>2   |

### Query Parameters

None

### Example Request

GET /v2/DocumentReference/3c46270e-3c3d-4869-a73c-ad4d7c3f2893

#### 4.1.7.4. EP404 Update document

### Resource Information

|                 |   |
|-----------------|---|
| <b>Endpoint</b> | POST /pms/api/v2/DocumentReference  |
| <b>Request</b>  |   |
| Accept          | application/fhir+xml<br>application/fhir+json   |
| Body            | <DocumentReference><br><id value="fcd2c31c-0ef9-455c-99a0-75149b888a27"/><br>..<br></DocumentReference> |
| Content-type    | application/fhir+xml<br>application/fhir+json   |
| is_update       | true  |
| <b>Response</b> |   |
| Body            | Document with version number incremented by 1   |

### Query Parameters

None

### Example Request

For UAT environment: POST <https://spor-uat.azure-api.net/pms/api/v2/DocumentReference>

Example file for request body:

- GET of document before update: UPD\_1.6.1-4\_Doc\_EP402\_GetDocument\_version1.XML
- Update posted: UPD\_1.6.1-4\_Doc\_EP404\_UpdateDocument\_BasedOnVersion1.XML
- Response to POST: UPD\_1.6.1-4\_Doc\_EP404\_ResponseAfterUpdate.XML
- GET of document after update: UPD\_1.6.1-4\_Doc\_EP402\_GetDocument\_AfterEP404Update\_version2.XML

#### 4.1.7.5. Changes for Create and Update document payload

- There are no changes to payload

## 4.2. UPD API for VNRA

### 4.2.1. Scope of this release for VNRA API

UPD-UC31 Manage VNRA Submissions via API

- Search and Retrieve VNRA
- Approve/Reject VNRA

### 4.2.2. UPD API supported VNRA endpoints

#### 4.2.2.1. Query / Retrieve VNRA Submission

|   |      |  |
|---|------|--|
| Query /<br>Retrieve<br>VNRA<br>Submission | GET  | <b>Returns the complete collection of submissions which the caller is entitled to view</b><br><b><a href="#">/vnra-submission?permanentIdentifier={permanentId}</a></b>  |
| APIM<br>entry point                       | UAT  | <b><a href="https://spor-uat.azure-api.net/upd/api/vnra/v3/vnra-submission?permanentIdentifier=600013438271">https://spor-uat.azure-api.net/upd/api/vnra/v3/vnra-submission?permanentIdentifier=600013438271</a></b>   |
| APIM<br>entry point                       | PROD | <b><a href="https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission?permanentIdentifier=600013438271">https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission?permanentIdentifier=600013438271</a></b>   |
| Query<br>Parameters                       |      | <b>Query Parameters (All Are Optional)</b><br><b>Note: Calls to base url , (without parameters) <a href="#">/vnra-submission</a> will return the complete collection of submissions which the caller is entitled to view</b> <ol style="list-style-type: none"><li>1. <b>productName</b> : Product name – free text field and case insensitive</li><li>2. <b>productIdentifier</b> : Product identifier – free text field</li><li>3. <b>permanentIdentifier</b> : Permanent identifier – free text field</li></ol> |

- 
4. **mah** : OMS LOC\_ID of Product owner – LOC-100005358
  5. **responsibleAuthority** : OMS LOC\_ID of Responsible authority (organisation) – LOC-100001603
  6. **maNumber** : Authorisation/registration/entitlement number – free text field
  7. **procedureType** : Procedure type – RMS Code
  8. **procedureNumber** : Procedure number – free text field with “Starts with” and “Contains” and case insensitive
  9. **submissionIdentifier** : Submission identifier – free text field
  10. **submissionStatus** : Submission status – PENDING | APPROVED | PARTIALLY\_APPROVED | REJECTED
  11. **dateFrom** : Date From-To – calendar field to add interval “from”
  12. **dateTo** : Date From-To – calendar field to add interval “to”
  13. **vnraStatus** : VNRA Status – single selection field with list of VNRA status -PENDING | APPROVED | REJECTED
  14. **vnraClassificationIdentifier** : vnraClassificationIdentifierClassification – field with list of VNRA classifications - RMS Code

---

## Headers

### Headers

The following Headers will be provided / injected by APIM -

1. [APIM-Correlation-ID](#) Generated and Included with all POST / PUT / DELETE by default. For future BAM requirements include with GET
2. [APIM-User-ID](#) ==> From User's bearer token.
3. [APIM-Org-ID](#) ==> org affiliations are included.

### Security Headers (Mandatory)

v3 of the API require a mandatory Bearer Token which is passed via the Authorization header

### Oauth Bearer Token

```
curl -X GET \  
-H "Authorization: Bearer $(oauth-access-token)" \  
https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission
```

---

## Pagination

### Pagination

---



---

Pagination is implemented using Spring Boot Pagination which returns the following standard **Pagination Payload**.  
submission data are returned with in "content": [...],

PageSize is set using the [\\_size](#) parameter.

Iterating through the pages is managed via `_page=x`totalPages: y evaluation,

If totalPages=y and the consumer searches for the last page, then `_number` should be set to y-1.

[https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission?\\_size=5](https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission?_size=5)

[https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission?\\_size=5&\\_page=2](https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission?_size=5&_page=2)

### Pagination Payload

```
{
  "content": [...],
  "pageable": {
    "sort": {
      "empty": false,
      "sorted": true,
      "unsorted": false
    },
    "offset": 0,
    "pageNumber": 0,
    "pageSize": 1,
    "paged": true,
    "unpaged": false
  },
  "totalPages": 485,
  "totalElements": 485,
  "last": false,
  "sort": {
    "empty": false,
    "sorted": true,
    "unsorted": false
  },
  "size": 1,
  "number": 0,
  "first": true,
  "numberOfElements": 1,
}
```

---

```
"empty": false
}
```

---

**Sample Payload**

```
{
  "content": [
    {
      "submissionId": 1588,
      "submissionDate": 1694433983143,
      "submissionComment": "NoComments",
      "submissionStatus": "PENDING",
      "products": [
        {
          "permanentId": "600001120431",
          "procedureType": "100000155062",
          "productRelationships": [
            {
              "organisationId": "ORG-100004089",
              "relationship": "Holder"
            },
            {
              "organisationId": "ORG-100003944",
              "relationship": "Regulator"
            }
          ]
        },
        {
          "permanentId": "600001120431",
          "procedureType": "100000155062",
          "productRelationships": [
            {
              "organisationId": "ORG-100004089",
              "relationship": "Holder"
            },
            {
              "organisationId": "ORG-100003944",
              "relationship": "Regulator"
            }
          ]
        }
      ]
    }
  ]
}
```

---

---

```
    }
  ]
}
],
"pageable": {
  "sort": {
    "empty": false,
    "sorted": true,
    "unsorted": false
  },
  "offset": 0,
  "pageNumber": 0,
  "pageSize": 1,
  "paged": true,
  "unpaged": false
},
"totalPages": 485,
"totalElements": 485,
"last": false,
"sort": {
  "empty": false,
  "sorted": true,
  "unsorted": false
},
"size": 1,
"number": 0,
"first": true,
"numberOfElements": 1,
"empty": false
}
```

#### 4.2.2.2. Retrieve a VNRA Submission

|                                   |      |   |
|-----------------------------------|------|---|
| <b>Retrieve a VNRA Submission</b> | GET  | Retrieve a specific VNRA submission identified by its submissionId<br><a href="#">/vnra-submission/&lt;submissionId&gt;?summary={true false}</a><br><a href="#">upd/api/vnra/v3/vnra-submission/456?summary=true</a>  |
| <b>APIM entry point</b>           | UAT  | <a href="https://spor-uat.azure-api.net/upd/api/vnra/v3/vnra-submission/456?summary=false">https://spor-uat.azure-api.net/upd/api/vnra/v3/vnra-submission/456?summary=false</a>   |
| <b>APIM entry point</b>           | PROD | <a href="https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission/456?summary=false">https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission/456?summary=false</a>   |
| <b>Path</b>                       |      | <a href="#">/vnra-submission/&lt;submissionId&gt;</a>   |
| <b>Parameter</b>                  |      | <b>&lt;SubmissionId&gt; is the ID of the submission to retrieve</b>   |
| <b>Query Parameters</b>           |      | <b>Query Parameter (All Are Optional)</b><br>summary (Optional) : _(true false) Returns a summary view of the submission else a full view_  |
| <b>Headers</b>                    |      | <b>Headers</b><br>The following Headers will be provided / injected by APIM - <ol style="list-style-type: none"><li>1. APIM-Correlation-ID Generated and Included with all POST / PUT / DELETE by default. For future BAM requirements include with GET</li><li>2. APIM-User-ID ==&gt; From User's bearer token.</li><li>3. APIM-Org-ID ==&gt; org affiliations are included.</li></ol><br><b>Security Headers (Mandatory)</b><br>v3 of the API require a mandatory Bearer Token which is passed via the Authorization header<br><b>Oauth Bearer Token</b><br>curl -X GET \<br>-H "Authorization: Bearer \$(oauth-access-token)" \<br><a href="https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission/456?summary=false">https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission/456?summary=false</a> |
| <b>Sample Payload</b>             |      | <pre>{<br/>  "submissionId": 1596,<br/>  "submissionDate": 1694450625907,<br/>  "submissionComment": "Submit VNRA For NAP 11/09/2023",<br/>  "submissionStatus": "APPROVED",</pre>  |
| <b>Summary=false</b>              |      |   |

---

```
"variations": [  
  {  
    "variationId": 16517,  
    "vnraGroup": "a458cce6-5553-4efb-b974-7147069d13fc",  
    "productName": "Automation Test Create NAP CH2 2023-09-11 GYxEgH",  
    "productIdentifier": "926d544f-3fd6-44a3-9150-48bbb277fed6",  
    "permanentIdentifier": "600001120724",  
    "procedureNumber": "EMEA/V/C/777777",  
    "responsibleAuthority": "LOC-100000065",  
    "authorisationCountry": "100000000535",  
    "marketingAuthorisationNumber": "EMEA/V/C/777777",  
    "vnraCode": "200000018624",  
    "implementationDate": 1694390400000,  
    "decisionDate": 1694390400000,  
    "decisionAuthor": "BeyondAutomation",  
    "decisionMaker": "ORG-100003944",  
    "decisionComment": "Comment BeyondAutomation",  
    "status": "APPROVED",  
    "marketingAuthorisationHolder": "LOC-100002851",  
    "fieldChanges": []  
  }  
],  
"vnessFileName": "Test.zip"  
}
```

---

**Sample  
Payload**

**Summary=true**

```
{  
  "submissionId": 1596,  
  "submissionDate": 1694450625907,  
  "submissionComment": "Submit VNRA For NAP 11/09/2023",  
  "submissionStatus": "APPROVED",  
  "vnessFileName": "Test.zip"  
}
```

#### 4.2.2.3. Download a VNeS

|                         |  |
|-------------------------|--|
| <b>Download a VNeS</b>  | Download a VNeS linked to a VNRA Submission  |
| GET                     | <a href="#">/vnra-submission/&lt;submissionId&gt;/vness</a><br><a href="#">upd/api/vnra/v3/vnra-submission/456/vness</a>                                     |
| <b>APIM entry point</b> | UAT <a href="https://spor-uat.azure-api.net/upd/api/vnra/v3/vnra-submission/vness">https://spor-uat.azure-api.net/upd/api/vnra/v3/vnra-submission/vness</a>  |
| <b>APIM entry point</b> | PROD <a href="https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission/456/vness">https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission/456/vness</a> |
| <b>Path</b>             | <a href="#">/vnra-submission/&lt;submissionId&gt;</a>  |
| <b>Parameter</b>        | <b>&lt;SubmissionId&gt; is the ID of the submission to retrieve</b>  |
| <b>Query Parameters</b> | None   |

#### Headers

#### Headers

The following Headers will be provided / injected by APIM -

1. APIM-Correlation-ID Generated and Included with all POST / PUT / DELETE by default. For future BAM requirements include with GET
2. APIM-User-ID ==> From User's bearer token.
3. APIM-Org-ID ==> org affiliations are included.

#### Security Headers (Mandatory)

v3 of the API require a mandatory Bearer Token which is passed via the Authorization header

#### Oauth Bearer Token

```
curl -X GET \
```

```
-H "Authorization: Bearer $(oauth-access-token)" \
```

```
https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission/456?summary=false
```

#### 4.2.2.4. Submit a decision for the VNRA

|                                       |      |   |
|---------------------------------------|------|---|
| <b>Submit a decision for the VNRA</b> | PUT  | VNRA submit decision - Approve/Reject VNRA<br><a href="#">/vnra-submission/&lt;submissionId&gt;/decision</a><br><b>Ⓢ</b><br><b>upd/api/vnra/v3/vnra-submission/456/decision</b> |
| <b>APIM entry point</b>               | UAT  | <a href="https://spor-uat.azure-api.net/upd/api/vnra/v3/vnra-submission/456/decision">https://spor-uat.azure-api.net/upd/api/vnra/v3/vnra-submission/456/decision</a>           |
| <b>APIM entry point</b>               | PROD | <a href="https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission/456/decision">https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission/456/decision</a>                   |
| <b>Path</b>                           |      | <b>/vnra-submission/&lt;submissionId&gt;</b>  |
| <b>Parameter</b>                      |      | <b>&lt;SubmissionId&gt; is the ID of the submission containing the variation to approve</b>   |
| <b>Query Parameters</b>               |      | <b>None</b>   |

**Headers**

**Headers**

The following Headers will be provided / injected by APIM -

1. **APIM-Correlation-ID** Generated and Included with all POST / PUT / DELETE by default. For future BAM requirements include with GET
2. **APIM-User-ID** ==> From User's bearer token.
3. **APIM-Org-ID** ==> org affiliations are included.

**Security Headers (Mandatory)**

v3 of the API require a mandatory Bearer Token which is passed via the Authorization header

**Oauth Bearer Token**

```
curl -X GET \
-H "Authorization: Bearer $(oauth-access-token)" \
https://spor.azure-api.net/upd/api/vnra/v3/vnra-submission/456/decision
```

**Sample Payload**

```
{
  "vnraDecisionItems": [
    {
      "variationId": 3711,
      "vnraDecision": "APPROVED",
      "decisionComment": "Submission-decision-approve-all test case",
      "decisionAuthor": "Beyond Automation",
      "decisionDate": "2022-05-03T12:00:00Z",
    }
  ]
}
```

---

```
        "decisionMaker": "ORG-100003944",
        "utils": {}
    }
]
}
```

#### **4.2.2.5. User registration for VNRA API**

Access to the VNRA API is requested by the Super user of an NCA (i.e. user with the role “UPD - CA Super User”); who will request a new role of “UPD CA API”.

On receipt of the email confirming API role has been approved, the API credentials can be used to obtain the OAuth bearer token required to use with the VNRA API endpoints.

Refer to the document [Registration guide: Union product database for veterinary medicinal products](#) listed in the References section.

### **4.3. UPD API for Volume of Sales Data**

#### **4.3.1. Scope of this release for Volume of Sales API**

- Retrieve Volume of Sales Data

#### **4.3.2. Endpoint, Authorisation header, Query Parameters, Pagination**

##### **Endpoint**

UAT **GET** <https://spor-uat.azure-api.net/upd/api/vos/v3/vos-sales-json?>

PROD **GET** <https://spor.azure-api.net/upd/api/vos/v3/vos-sales-json?>

---

---



## Request Security Header (Mandatory)

This endpoint requires a mandatory OAuth Bearer Token which is passed via the Authorization header

---

### Query Parameters

*Note: Calls to the base url without any parameters will return the complete collection of sales data for all products.*

/upd/api/vos/v3/vos-sales-json?permanentId={permanentID}&yearFrom={yearFrom}&yearTo={yearTo}&modifiedDate={modifiedDate}

**permanentId** (optional) :- Permanent identifier of Medicinal Product. Will return sales for the provided Permanent identifier e.g.  
`permanentId=600000225806`

**yearFrom** (optional) :- yearFrom={year-month} Start date for range of sales data to be returned

**yearTo** (optional) :- yearTo={year-month} End date for range of sales data to be returned

e.g. `yearFrom=2020-01&yearTo=2021-07`

**modifiedDate** (optional) :- Modified Date of Sales data of Medicinal Product. Will return sales modified since a date  
The following prefixes apply to date comparisons against a stored (modified date) value. If no prefixes are specified, the default is eq.

- eq: equals, the exact stored value is inside the range defined by the precision of the parameter value
- gt: the exact stored value is greater than the exact parameter value

e.g. `modifiedDate=2023-03-01` or with prefix `modifiedDate=gt2023-03-01`

### Examples:

GET `https://spor-uat.azure-api.net/upd/api/vos/v3/vos-sales-json?permanentId=600000225806&yearFrom=2020-01&yearTo=2021-07&modifiedDate=gt2023-01-01`

GET `https://spor-uat.azure-api.net/upd/api/vos/v3/vos-sales-json?yearFrom=2020-01&yearTo=2021-07`

GET `https://spor-uat.azure-api.net/upd/api/vos/v3/vos-sales-json?permanentId=600000225806`

---

---

## Pagination

Pagination is implemented using Spring Boot Pagination which returns the following standard **Pagination Payload**.

- sales data is returned within "content": [...],
- pageSize is set using the `_size` parameter
- iterating through the pages is managed using the `_page=x` parameter
- totalPages: y evaluation: If totalPages=y and the consumer searches for the last page, then page number parameter should be set to y-1.

Examples:

GET [https://spor-uat.azure-api.net/upd/api/vos/v3/vos-sales-json?\\_size=5](https://spor-uat.azure-api.net/upd/api/vos/v3/vos-sales-json?_size=5)

GET [https://spor-uat.azure-api.net/upd/api/vos/v3/vos-sales-json?\\_size=5&\\_page=2](https://spor-uat.azure-api.net/upd/api/vos/v3/vos-sales-json?_size=5&_page=2)

## Pagination Payload

```
{
  "content": [...],
  "pageable": {
    "sort": {
      "empty": false,
      "sorted": true,
      "unsorted": false
    },
    "offset": 0,
    "pageNumber": 1,
    "pageSize": 100,
    "paged": true,
    "unpaged": false
  }
}
```

```
},
"totalPages": 6,
"totalElements": 596,
"last": false,
"sort": {
  "empty": false,
  "sorted": true,
  "unsorted": false
},
"size": 100,
"number": 0,
"numberOfElements": 100,
"first": true,
"empty": false
}
```

---

### Sample Response Payload

```
{
  "content": [
    {
      "productIdentifier": "c74a510c-1689-4f46-bdce-f3a5dd84b1da",
      "productName": "TEST-PRODUCT-NAME2-95363f02-c9b9-442b-8bdf-21a54bf15b2e-VOS",
      "permanentIdentifier": "600013438271",
      "authorisationProcedureNumber": "VOS/TEST/HOLDER-NAME2/TEST/EMEA/H/C/000175",
      "packageIdentifier": "be7bfd42-df3f-45e2-8af9-3d96a870f5f7",
      "packageDescription": "PACKAGE3-TEST-PRODUCT-NAME2-95363f02-c9b9-442b-8bdf-21a54bf15b2e-VOS",
      "packSizeNumericValue": "94",
      "packSizeUnitOfPresentation": "Capsule",
      "packSizeUnitOfPresentationIdentifier": "200000002113",
      "country": "European Union",
      "countryIdentifier": "100000000390",
      "marketingAuthorisationNumber": "VOS/TEST/HOLDER-NAME2-1591819011837",
      "creationDateOfProduct": "2021-11-12",
    }
  ]
}
```

```
"yearMonth": "2021-03",
"volumeOfSales": "111",
"speciesIdentifier": "100000108926",
"speciesPercent": "100.00",
"doseFactor": "1.00",
"comment": "Mandatory",
"modifiedDate": "2023-06-14 09:06:28.047"
}
],
"pageable": {
  "sort": {
    "empty": true,
    "unsorted": true,
    "sorted": false
  },
  "offset": 0,
  "pageNumber": 0,
  "pageSize": 1,
  "paged": true,
  "unpaged": false
},
"totalElements": 5,
"totalPages": 5,
"last": false,
"sort": {
  "empty": true,
  "unsorted": true,
  "sorted": false
},
"size": 1,
"number": 0,
"first": true,
"numberOfElements": 1,
```

```
"empty": false  
}
```

### 4.3.3. User registration for Volume of Sales Data API

Access to the Volume of Sales API is requested by the Super user of an NCA (i.e. user with the role "UPD - CA Super User"); who will request a new role of "UPD CA API".

On receipt of the email confirming API role has been approved, the API credentials can be used to obtain the OAuth bearer token required to use with the VoS API endpoint.