



EUROPEAN MEDICINES AGENCY  
SCIENCE MEDICINES HEALTH

## Union Product Database (UPD) release notes

Referring to version 1.7.2427-2

Release date: 28 August 2024

### Version 2

Changes made in revised version 2 of release notes:

- updated the number of resolved issues on page 3 from 17 to 18;
- added new note on page 4 concerning BUG 200760. Unfortunately as a result of that bug all QPPV email addresses submitted for centrally authorised products (CAPs) between 30 July and 27 August 2024 were inadvertently lost. The issue is now fixed and all MAHs for CAPs are kindly requested to resubmit the QPPV email addresses;
- added BUG 200760 in section 1.1 'Resolved issues';
- added five new bufs in section 1.2 'New issues since last release';
- added the upgrade of UPD to 1.7.2427-2 in Annex 3 Release schedule.

For ease of reference see below **NEW** and **UPDATED**.



## 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>	Volume of Sales
<b>MS</b>	Member State	<b>XML</b>	eXtensible Markup Language
<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>UPDATED Resolved issues since the previous release (UPD version 1.7.2427, released on 30 July 2024)</b>	<b>18</b>
<b>UPDATED Known Issues</b>	<b>25</b>
<b>Next release's expected date</b>	<i>early October 2024</i>

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

- **Provision of QPPV email to the contact details of the QPPV. The purpose of the QPPV email submission form is to allow Marketing Authorisation Holders to provide the contact details of the relevant QPPV for all products under their portfolio.** This *ad hoc* feature, will be available until the end of September 2024 allowing MAHs to provide the QPPV email address of their products without having to submit a VNRA. From October 2024 onwards any necessary changes to QPPV details including the addition or update of email address, must follow the C.1 VNRA process with associated fees as per national rules. Please see below also the additional clarifications in section 'For information'.
- The **CSV file generated as a result of the Export functionality** in the main product search screen **has now been enriched** to incorporate new fields. Both **MAHs & CAs** will be able to consult:
  - Product ID
  - Permanent ID
  - **ATC Vet code (multi value) (Code)**
  - (PSM) File code
  - (PSM) File location (LOC-ID)
  - QPPV Name
  - QPPV Location (LOC-ID)
  - Authorisation status
  - Reference member state (2-letters ISO code)
  - Concerned member state (multi value, 2-letters ISO code)
  - Batch releasing site (Org name - LOC-ID)
  - Procedure type (short name)
  - Authorisation/registration/entitlement type
  - Legal status for the supply (only at product level)
  - **QPPV email**
- **Enriched search by ATC vet code returns all products included in the appropriate levels considered in the RMS list**

All UPD users or an external system using the UPD SPOR API to retrieve product data from UPD, when searching for product by ATC vet code, can now get all the products in the database whose ATC vet code matches the chosen one, plus all the products that are in any of the hierarchical levels that this term has underneath (descendants).

#### Notes:

- **NEW:** Due to BUG 200760, all QPPV email addresses **that were provided by the MAHs** for CAPs **between 30 July 2024 and 27 August 2024** were inadvertently lost. The issue has now been resolved, and all MAHs for CAPs are kindly requested to resubmit the QPPV email addresses as soon as possible and no later than 30 September 2024. The UPD team will reach out **separately to all MAHs for CAPs** via email.
- 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:

- **Current technical size limitation, applicable to technical grouping and supergrouping.** Combining many products within a single VNRA submission via the UPD UI can lead to challenges both for the industry users when submitting, and NCA UI users when approving/rejecting the VNRA. The 'recommended' maximum limit is 300 changes (150 products x 2 VNRA codes = 300 changes). By early October 2024, an enhanced UPD version will further upscale the size of VNRA submission and approval/rejection via the UPD UI to more than 1000 changes (500 products x 2 VNRA codes = 1000 changes). Soon this information will be added in the [CMDv Best Practice Guide for Variations Not Requiring Assessment](#)
- **With this release and until the end of 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.

The new QPPV email field will be visible for all Products under the Pharmacovigilance section and until the end of September 2024 will be an optional attribute to be provided by the Competent Authorities during both the creation and the update of a Product.

From October 2024 onwards the new QPPV email field will be a mandatory attribute to be provided by Competent Authorities during the creation of a product and optional for update operations.

Please note that during the update of a Product via API and in case the QPPV Email attribute is not provided in the submitted payload, the existing QPPV Email if already provided, will be deleted. 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.
- **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 and will keep the product in PROVISIONAL status
  - **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>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. Ticket deemed deprecated.
<b>UC01 Create Product</b>	NCA UI	183496	When resuming a product draft, the validation of ATC vet code flag is incorrect.
<b>UC01 Create Product</b>	NCA UI	183127	When creating an Homeopathic product via API, chapter 4 validation rules were incorrect and allowed the user to create a product without a package.
<b>UC01 Create Product/ UC08 Update Product</b>	NCA UI	185225	Substance manufacturer information was not being displayed on product view or edit forms even though it is defined.
<b>UC08 Update Product</b>	NCA UI & API	184794	A common update to an MRP product would 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 UI	183038	Incorrect validation error was raised when adding a package to a homeopathic product.
<b>UC08 Update Product</b>	NCA UI	182508	On a common data update, a payload with reference to deleted Ingredient in Administrable Product Definition was accepted and invalid data is incorrectly saved.
<b>UC08 Update product</b>	API	82437	Change to procedure number was not saved if existing inline attribute id was not included in the request body.
<b>UC08 Update Product</b>	NCA UI	184011	Timeout when updating national or common part of the product when a document is provided waiting for connection from pool
<b>UC09 Approve/Reject VNRA</b>	NCA UI	189270	VNRA submission for CAP product with incorrect Decision Maker blocked user from submitting any decision
<b>UC01 Create product</b>	API	83042	Create parallel trade product via API: the GET OperationOutcome response was populating in the DCP format and it is expected to be the same pattern as NAP.
<b>UC19 Nullify product</b>	API	132758	Nullify Product via API - OperationOutcome ID had an incorrect suffix of "-Patch". Issue is resolved and users can perform the Nullify action via API.
<b>UC21 Manage Notifications</b>	NCA UI	180398	Nullify of a CAP product triggered 2 notifications, the second one was incorrect, stating an UPDATE action.

<b>UC21 Manage Notifications</b>	NCA UI	180324	Notifications were not being generated for the migrated CAP products.
<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 was shown on VNRA View table when navigating to further pages of the results.
<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. Release notes API information was updated.
<b>NEW Feature 182 - Provision of QPPV email</b>	MAH UI	200760	As a result of technical issue all QPPV email addresses for CAPs that were provided by MAHs between 30 July 2024 and 27 August 2024 were inadvertently lost.

## 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>NEW All</b>	NCA UI & MAH UI	202411	New or Updated LOC-ID in OMS is not available in UPD	
<b>NEW UC01 Create product</b>	NCA API	196768	Create parallel trade product via API - MA Holder added in payload is accepted due to missing validation	User should not set MA Holder information on the payload for the creation Parallel Traded Products
<b>UC01 Create product</b>	NCA UI & API	195811	It's possible to create a DCP with National documents, and the document are added to all RMS and CMSs	On the UI, this is replicated when user "creates from" an existing DCP. User is recommended to not use this feature if National Documents are present on the reference product.
<b>NEW UC04 Export Product Data</b>	NCA UI & MAH UI	202485	Exported file has truncated data in Product owner column	



<b>UC06 Submit VNRA</b>	MAH UI	192787	Some VNeS files from VNRAAs do not reach the Common Repository
<b>NEW UC08 Update Product</b>	NCA UI	202277	Edition of the first manufacturer value in a product with multiple manufacturers throws an incorrect error
<b>UC28 View VNRA</b>	NCA UI & MAH UI	190002	Decision date on the pdf file downloaded is not the same as the one set in the decision form
<b>UC33 Manage Third Country Product Names</b>	MAH UI	196747	Adding or updating a name/country to a previously existing group triggers ERR.25:Group Identifier does not exist in the UPD
<b>UC37 Automatic sending of notifications</b>	NCA UI & MAH UI	194759	Email notification for updates misses the changes to documents
<b>UC37 Automatic sending of notifications</b>	NCA UI & MAH UI	192235	An update to PSMF fields is presented as an update to 'Documents'
<b>NEW UC38 Manage products grouping</b>	NCA API	202388	Pagination information available on Product grouping payload is unreliable

## 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> 	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
<b>NCA UI</b>	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> 	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> 	Validate Volume of Sales submission file
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<b>Authorisation for NCA &amp; MAH UI</b> 	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

<b>Banner for UPD UI</b> 	EMA can maintain messages to appear in banner of UPD UI
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### 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>UC01 Create product</b> <b>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>	NCA API	180967	When updatating 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	189601	Search Manufacturer modal window fails when using filter 'City'	
<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>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.	



### Annex 3: Release Schedule

Environment	Closed from	Closed to	Expected to be open	Description
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>1.7.2424-1</b>
PROD	1 July 2024	1 July 2024	2 July 2024	Upgrade of UPD to <b>1.7.2424-1</b>
UAT	22 July 2024	22 July 2024	22 July 2024	Upgrade of UPD to <b>1.7.2427</b>
PROD	29 July 2024	29 July 2024	30 July 2024	Upgrade of UPD to <b>1.7.2427</b>
<b>NEW</b> PROD	27 August 2024	27 August 2024	28 August 2024	Upgrade of UPD to <b>1.7.2427-2</b>
UAT	w/c 16 September 2024 (tbc)	w/c 16 September 2024 (tbc)	w/c 16 September 2024 (tbc)	Upgrade of UPD to <b>1.7.2434 (tbc)</b>
PROD	early October 2024 (tbc)	early October 2024 (tbc)	early October 2024 (tbc)	Upgrade of UPD to <b>1.7.2434 (tbc)</b>

## **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>
EP309 Create Product EP311 Update Product  for use with any Create or Update	<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	<b>POST</b> Validate Bundle – To validate a bundle and the resources in the bundle Used for all procedure types; for both chapter 2 or legacy validation rules; and for both Create & Update
EP UC19 Nullify Product	<b>POST</b> /upd/api/v1/vmp-nullification/
EP401 Search document	<b>GET</b> DocumentReference - Search for DocumentReference No
EP402 Get/Retrieve document by Id	<b>GET</b> DocumentReference - Get a DocumentReference by Id Note
EP403 Create document	<b>POST</b> DocumentReference - Create a DocumentReference
EP404 Update document by Id	<b>PUT</b> DocumentReference - Update a DocumentReference Please note: API Manager method shows as PUT however please use <b>POST</b> with request header is_update=true.

### 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 application/fhir+json	Specifies the format of the request body that is being submitted

Request Header: Key	Values	Purpose
Accept	application/fhir+xml 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 OR homeopathicschapter4 = true	
Update Registered Homeopathic	/pms/api/v2	homeopathicschapter2 = true OR homeopathicschapter4 = true	is update = true
Create Parallel Trade	/upd/api/v1/ptp-bundle/	parallelchapter2 = true 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 OR 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>
	For example: <pre>{   "permanentId": "600011984989" }</pre>
XML	<pre>&lt;root&gt;&lt;permanentId&gt; Permanent Identifier &lt;/permanentId&gt;&lt;/root&gt;</pre>
	For example: <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.

POST	Content Location example showing format of the operation-outcome-id
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 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 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 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 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 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_AIIData.JSON
		UPD_1.6.5-6_DCP_Chpt2_C110_VetEUIG_AIIData.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 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 UPD_1.6.1-4_NAP_Chpt2_C2_Mandatory_VetIG_MANumber_AtMedicinalProductLevel.JSON UPD_1.6.1-4_NAP_Chpt2_C2_Mandatory_VetIG_MANumber_AtMedicinalProductLevel.XML UPD_1.5.1-0_NAP_Chpt2_C110_VetEUIG_AllData_MANumber_AtMedicinalProductLevel.JSON UPD_1.5.1-0_NAP_Chpt2_C110_VetEUIG_AllData_MANumber_AtMedicinalProductLevel.XML <hr/> 5.5 Marketing authorisation (package level) UPD_1.5.1-0_NAP_Chpt2_C111_VetEUIG_AllData_MANumber_AtPackageLevel.JSON This example contains 2 packages. 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 UPD_1.6.1-4_NAP_Legacy_C2_Mandatory_VetIG_MANumber_AtMedicinalProductLevel.XML

Procedure type	Validation rules	Example file
		UPD_1.5.1-0_NAP_Legacy_C110_VetEUIG_AllData_MANumber_AtMedicinalProductLevel.JSON 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  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  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  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 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  UPD_1.6.8-4_PAT_Chpt2_C110_VetEUIG_AllData.JSON

Procedure type	Validation rules	Example file
Pet	Chapter 2	PET_Chpt2_C2_Mandatory_VetIG_MANumber_AtMedicinalProductLevel_1.6.34-5.json  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	<p>Bundle.entry.request must also be populated.</p> <p>Bundle.entry.request.method should be:</p> <ul style="list-style-type: none"> <li>• PUT to update an existing resource</li> <li>• POST to add a new resource</li> </ul> <p>Bundle.entry.request.url should be:</p> <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. Edit the payload 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: UPD_1.5.1-0_EP311_UpdateProduct_GetEverything_version1.XML</p> <p>Update bundle prepared: 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:</p> <p>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

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.</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: 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: UPD_1.6.16_DCP_UpdateNationalData_600000251886_GetEverything_v1.XML</p> <p>Update bundle prepared: UPD_1.6.16_DCP_UpdateNationalData_600000251886_BasedOn_v1.XML</p>
Update product via API	<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>	
Check operation outcome	<p>MSG_CREATED message expected containing Permanent identifier</p>	
EP304 Get Product Full	<p>Check the response for modifications</p>	<p>Sample XML of GET everything after update:  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

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.</p> <p>Edit the payload 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>
Update product via API	<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>	
Check operation outcome	<p>MSG_CREATED message expected containing Permanent identifiers</p>	
EP304 Get Product Full	<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:  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:  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>	
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#### 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:  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:  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 application/fhir+json
Body	<DocumentReference .. </DocumentReference>
Content-type	application/fhir+xml application/fhir+json

<b>Response</b>	
Body	Document with version 1 and document ID returned  Note: ID expected format example: <b>3c46270e-3c3d-4869-a73c-ad4d7c3f2893</b>

#### 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 application/fhir+json
Body	n/a
Content-Type	n/a
<b>Response</b>	
Body	Bundle of <DocumentReference>(s)  e.g. Bundle Total value=N [entry {DocumentReference Resource Type} ] *



Path Parameters

Name	Description
Version	Service version number  Example value:  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.  If set to true, the contents of the document is not populated in the response in DocumentReference.content.attachement,data.  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}
----------	---

Request	
Accept	application/fhir+xml application/fhir+json
Body	n/a
Content-Type	n/a
Response	
Body	Resource of type MedicinalProductDefinition

## Path Parameters

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

Request	
Accept	application/fhir+xml application/fhir+json
Body	<DocumentReference> <id value="fcd2c31c-0ef9-455c-99a0-75149b888a27"/> .. </DocumentReference>
Content-type	application/fhir+xml application/fhir+json
is_update	true
Response	
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 / Retrieve VNRA Submission	GET	Returns the complete collection of submissions which the caller is entitled to view <a href="#">/vnra-submission?permanentIdentifier={permanentId}</a>
APIM entry point	UAT	<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>
APIM entry point	PROD	<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>
Query Parameters		<b>Query Parameters (All Are Optional)</b> <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><li>4. <b>mah</b> : OMS LOC_ID of Product owner – LOC-100005358</li><li>5. <b>responsibleAuthority</b> : OMS LOC_ID of Responsible authority (organisation) – LOC-100001603</li><li>6. <b>maNumber</b> : Authorisation/registration/entitlement number – free text field</li><li>7. <b>procedureType</b> : Procedure type – RMS Code</li></ol>

- 
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

##### Retrieve a VNRA Submission

GET Retrieve a specific VNRA submission identified by its submissionId

---



		<a href="#">/vnra-submission/&lt;submissionId&gt;?summary={true false}</a> <a href="#">upd/api/vnra/v3/vnra-submission/456?summary=true</a>
APIM entry point	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>
APIM entry point	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>
Path	<b>/vnra-submission/&lt;submissionId&gt;</b>	
Parameter	<b>&lt;SubmissionId&gt; is the ID of the submission to retrieve</b>	
Query Parameters	<b>Query Parameter (All Are Optional)</b> summary (Optional) : <a href="#">_(true false)</a> Returns a summary view of the submission else a full view_	
Headers	<b>Headers</b> The following Headers will be provided / injected by APIM - <ol style="list-style-type: none"> <li>1. <a href="#">APIM-Correlation-ID</a> Generated and Included with all POST / PUT / DELETE by default. For future BAM requirements include with GET</li> <li>2. <a href="#">APIM-User-ID</a> ==&gt; From User's bearer token.</li> <li>3. <a href="#">APIM-Org-ID</a> ==&gt; org affiliations are included.</li> </ol> <b>Security Headers (Mandatory)</b> v3 of the API require a mandatory Bearer Token which is passed via the Authorization header <b>Oauth Bearer Token</b> curl -X GET \ -H "Authorization: Bearer \$(oauth-access-token)" \ <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>	
Sample Payload	<pre>{   "submissionId": 1596,   "submissionDate": 1694450625907,   "submissionComment": "Submit VNRA For NAP 11/09/2023",   "submissionStatus": "APPROVED",   "variations": [     {       "variationId": 16517,       "vnraGroup": "a458cce6-5553-4efb-b974-7147069d13fc",       "productName": "Automation Test Create NAP CH2 2023-09-11 GYxEGh", </pre>	
Summary=false		

---

```
    "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

**Download a  
VNeS**

GET

Download a VNeS linked to a VNRA Submission

[/vnra-submission/<submissionId>/vness](#)  
**[upd/api/vnra/v3/vnra-submission/456/vness](#)**

---

<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>	<b>/vnra-submission/&lt;submissionId&gt;</b>	
<b>Parameter</b>	<b>&lt;SubmissionId&gt; is the ID of the submission to retrieve</b>	
<b>Query Parameters</b>	None	
<b>Headers</b>	<b>Headers</b> 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> <b>Security Headers (Mandatory)</b> v3 of the API require a mandatory Bearer Token which is passed via the Authorization header <b>Oauth Bearer Token</b> curl -X GET \ -H "Authorization: Bearer \$(oauth-access-token)" \ <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>	

#### 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 <a href="https://spor-uat.azure-api.net/upd/api/vnra/v3/vnra-submission/456/decision">/vnra-submission/&lt;submissionId&gt;/decision</a> 1 <a href="https://spor-uat.azure-api.net/upd/api/vnra/v3/vnra-submission/456/decision">upd/api/vnra/v3/vnra-submission/456/decision</a>
<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</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>entry point</b>	
<b>Path</b>	<i>/vnra-submission/&lt;submissionId&gt;</i>
<b>Parameter</b>	<i>&lt;SubmissionId&gt; is the ID of the submission containing the variation to approve</i>
<b>Query Parameters</b>	None
<b>Headers</b>	<div><b>Headers</b> The following Headers will be provided / injected by APIM -<ol style="list-style-type: none"><li>1. <a href="#">APIM-Correlation-ID</a> Generated and Included with all POST / PUT / DELETE by default. For future BAM requirements include with GET</li><li>2. <a href="#">APIM-User-ID</a> ==&gt; From User's bearer token.</li><li>3. <a href="#">APIM-Org-ID</a> ==&gt; org affiliations are included.</li></ol> <b>Security Headers (Mandatory)</b> v3 of the API require a mandatory Bearer Token which is passed via the Authorization header <b>Oauth Bearer Token</b> curl -X GET \ -H "Authorization: Bearer \$(oauth-access-token)" \ <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></div>
<b>Sample Payload</b>	<pre>{   "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": {}     }   ] }</pre>

#### **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": "2000000002113",
      "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.