



API Guide

CorrIT²

SPORIFY



Version: 23.1

Export Date: 05/24/2023

Disclaimer

© 2023 CorrIT Limited

All rights reserved in whole or in part and in all forms of media throughout the world. Any rights not expressly granted herein are expressly reserved by CorrIT Limited.

All information and articles in this document are covered by copyright law. Articles and documents contained in this document are the copyright of CorrIT Limited. Any commercial reproduction of any material included here is expressly prohibited. Except as stated above, no part of this document may be reproduced, stored in a retrieval system, or transmitted in any form, or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of CorrIT Limited, or the respective copyright owner.

Copyright includes the use of any underlying hypertext markup used in the creation of this document.

All trademarks, service marks and logos (trademarks) of companies and products mentioned or used in this document are the property of their respective owners.

Trademarks

The following trademarks of other companies may appear in this document:

Microsoft is a registered trademark of Microsoft Corporation in the United States and/or other countries.

Microsoft Windows including all versions are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Azure DevOps is a registered trademark(s) of Microsoft Corporation in the United States and/or other countries.

Acrobat is a trademark of Adobe Systems Inc. All other names of products or companies mentioned in this document are trademarks or registered trademarks of their respective owner.

Confluence is a trademark of Atlassian Pty Ltd in the United States and/or other countries.

Zoho is trademark of Zoho Corporation Private Limited in the United States and/or other countries.

Table of Contents

| | | |
|----------|---|-----------|
| 1 | Introduction | 8 |
| 1.1 | Common Behaviour and Types | 8 |
| 1.2 | Resource Query Parameters..... | 8 |
| 1.3 | Normalise Query Parameter | 8 |
| 1.3.1 | Force an array wherever there should be a collection..... | 8 |
| 1.3.2 | Convert all datetimes to UTC | 9 |
| 1.3.3 | Convert alternative name strings to objects | 9 |
| 1.4 | Base URL..... | 10 |
| 1.5 | Swagger Interface | 10 |
| 1.5.1 | Import Swagger API with Postman | 11 |
| 1.5.2 | Import Developer Collection with Postman | 12 |
| 1.6 | Authentication | 12 |
| 1.6.1 | Sample Request Payload..... | 13 |
| 2 | SPOR RMS | 14 |
| 2.1 | Get RMS Lists | 14 |
| 2.1.1 | Sample Request | 14 |
| 2.2 | Get RMS List by RMS List ID..... | 14 |
| 2.3 | Get Terms by RMS List ID | 15 |
| 2.3.1 | Sample Request | 16 |
| 2.4 | Get Term by RMS List ID and Term ID..... | 16 |
| 2.5 | Get Terms | 16 |
| 2.6 | Get Term by Term ID | 16 |
| 2.7 | Get Term Summaries by RMS List ID | 16 |
| 2.8 | Get Term Summary by RMS List ID and Term ID..... | 17 |
| 2.9 | Get Term Summaries | 17 |
| 2.10 | Get Term by Term ID | 17 |
| 3 | SPOR OMS | 18 |
| 3.1 | Get Organisations | 18 |
| 3.1.1 | Sample Request | 18 |

| | | |
|----------|--|-----------|
| 3.2 | Get Organisation by ID | 19 |
| 3.3 | Get Locations | 19 |
| 3.3.1 | Sample Request | 19 |
| 3.4 | Get Location by ID | 20 |
| 4 | SPOR SMS | 21 |
| 4.1 | Get Substances..... | 21 |
| 4.1.1 | Sample Request | 21 |
| 4.2 | Get Substance by ID | 21 |
| 5 | SPOR Documents | 22 |
| 5.1 | Get Documents..... | 22 |
| 5.1.1 | Sample Request | 22 |
| 5.2 | Get Document by ID | 22 |
| 5.3 | Get Document Download by ID | 22 |
| 5.4 | Get Document Version Download by ID | 23 |
| 6 | G-SRS Substances | 24 |
| 6.1 | Get G-SRS Substances | 24 |
| 6.1.1 | Sample Request | 24 |
| 6.2 | Get G-SRS Substance by ID | 24 |
| 6.3 | Get Substance by ID With Specific Version | 24 |
| 7 | EUTCT Substances | 25 |
| 7.1 | Get EUTCT Human Substances | 25 |
| 7.2 | Get EUTCT Human Substance by ID..... | 25 |
| 7.3 | Get EUTCT Human Substance by ID With Specific Version | 25 |
| 7.4 | Get EUTCT Veterinary Substances | 25 |
| 7.5 | Get EUTCT Veterinary Substance by ID..... | 26 |
| 7.6 | Get EUTCT Veterinary Substance by ID With Specific Version | 26 |
| 8 | Source Systems | 27 |
| 8.1 | Get Source Systems | 27 |
| 8.2 | Get Source System by ID..... | 27 |
| 9 | Resolution Status | 28 |
| 9.1 | Get Resolution Status | 28 |

| | | |
|-----------|--|-----------|
| 9.2 | Get Resolution Status by ID | 28 |
| 10 | Source Referentials | 29 |
| 10.1 | Get Referential Source Lists | 29 |
| 10.2 | Create Referential Source List..... | 29 |
| 10.2.1 | Sample Request Payload..... | 29 |
| 10.3 | Get Referential Source List by ID..... | 30 |
| 10.4 | Delete Referential Source List | 30 |
| 10.5 | Update Referential Source List..... | 30 |
| 10.5.1 | Sample Request Payload..... | 30 |
| 10.6 | Map Referential Source List..... | 30 |
| 10.7 | Get Unmapped Terms by Source List ID | 31 |
| 10.8 | Get Source Terms by Source List ID | 31 |
| 10.9 | Create Source Term | 32 |
| 10.9.1 | Sample Request Payload..... | 32 |
| 10.10 | Get Source Term by ID | 32 |
| 10.11 | Delete Source Term | 33 |
| 10.12 | Update Source Term | 33 |
| 10.12.1 | Sample Request Payload..... | 33 |
| 11 | Source Organisations | 34 |
| 11.1 | Get Organisation Source Lists | 34 |
| 11.2 | Create Organisation Source List..... | 34 |
| 11.2.1 | Sample Request Payload..... | 34 |
| 11.3 | Get Organisation Source List by ID..... | 35 |
| 11.4 | Delete Organisation Source List..... | 35 |
| 11.5 | Update Organisation Source List | 35 |
| 11.5.1 | Sample Request Payload..... | 35 |
| 11.6 | Map Organisation Source List | 35 |
| 11.7 | Get Source Organisations by Source List ID | 36 |
| 11.8 | Create Source Organisation | 36 |
| 11.8.1 | Sample Request Payload..... | 37 |
| 11.9 | Get Source Organisation by ID | 37 |
| 11.10 | Delete Source Organisation..... | 37 |

| | |
|--|-----------|
| 11.11 Update Source Organisation | 37 |
| 11.11.1 Sample Request Payload | 38 |
| 12 Source Substances | 39 |
| 12.1 Get Substance Source Lists | 39 |
| 12.2 Create Substance Source List..... | 39 |
| 12.2.1 Sample Request Payload | 39 |
| 12.3 Get Substance Source List by ID..... | 40 |
| 12.4 Delete Substance Source List | 40 |
| 12.5 Update Substance Source List | 40 |
| 12.5.1 Sample Request Payload | 40 |
| 12.6 Map Substance Source List..... | 40 |
| 12.7 Get Source Substances by Source List ID | 41 |
| 12.8 Create Source Substance | 41 |
| 12.8.1 Sample Request Payload | 42 |
| 12.9 Get Source Substance by ID | 42 |
| 12.10 Delete Source Substance..... | 42 |
| 12.11 Update Source Substance | 43 |
| 12.11.1 Sample Request Payload | 44 |

1 Introduction

1.1 Common Behaviour and Types

- Anywhere string values are accepted by API endpoints, their comparison is case insensitive.
- Datetime values, where accepted, should be provided in ISO 8601 format.

1.2 Resource Query Parameters

All resource endpoints, `spor/rms/lists`, `spor/oms/locations` etc. are paged and accept the following query parameters:

| Name | Description | Default |
|------------------|---|---------|
| page | The page to return. | 1 |
| pageSize | The number of items to include in the paged result. Must be between 1 and 100 | 20 |
| sortBy | The field by which the resource is sorted. Default sortBy s are resource specific. | |
| sortOrder | Used with sortBy to apply sorting. Must be one of: "asc", "desc". | "asc" |

1.3 Normalise Query Parameter

All endpoints that return EMA SPOR data take an optional query parameter, `normalise`, that defaults to `false`. When it is set to `true`, SPORIFY will perform a series of operations to fix some of the known issues with the EMA SPOR JSON data. Currently, those operations are:

1.3.1 Force an array wherever there should be a collection.

EMA SPOR's API appears to serialize collections containing one element as objects and collections containing more than one element as arrays. Consider the following examples of simplified EMA SPOR JSON where a term has either one or two names:

```
{
  "term-names": {
    "term-name": {
      "text": "Name 1"
    }
  }
}
```



```
    }
  }
}

{
  "term-names": {
    "term-name": [
      {
        "text": "Name 1"
      },
      {
        "text": "Name 2"
      }
    ]
  }
}
```

Sporify fixes this problem by wrapping single elements in an array:

```
{
  "term-names": {
    "term-name": [
      {
        "text": "Name 1"
      }
    ]
  }
}
```

1.3.2 Convert all datetimes to UTC

Datetimes from the EMA SPOR API can appear in a variety of timezones, these are converted to UTC.

1.3.3 Convert alternative name strings to objects

An organisation's alternative names can sometimes appear as strings rather than objects, particularly in older versions of an organisation, therefore we convert the string to the expected object type. This change occurs at JSON Paths `organisation.alternative-names.alternative-name` and `organisation.versions.organisation-version[*].alternative-names.alternative-name`. For example:

```
{
  "alternative-names": {
    "alternative-name": [
      "Name 1"
    ]
  }
}
```

```
}  
}
```

Should become:

```
{  
  "alternative-names": {  
    "alternative-name": [  
      {  
        "text": "Name 1"  
      }  
    ]  
  }  
}
```

1.4 Base URL

The SPORIFY application programming interface is available on the production and validation environment. The Base URLs for these environments are:

- Validation: <https://v.sporify.eu/api/v1/>¹
- Production: <https://sporify.eu/api/v1/>²

Any further explanation of SPOR related URLs in this documentation refers to the base URL and the specific endpoint. For instance, “spor/rms/lists” refers to the full qualified URL on production <https://sporify.eu/api/v1/spor/rms/lists>

1.5 Swagger Interface

To support developers in the process of interacting with the API, a swagger interface is available:

- Validation: <https://v.sporify.eu/swagger/ui/index>³
- Production: <https://sporify.eu/swagger/ui/index>⁴

¹ <https://v.sporify.eu/api/v1/spor/>

² <https://v.sporify.eu/api/v1/spor/>

³ <https://www.sporify.eu/swagger/ui/index>

⁴ <https://www.sporify.eu/swagger/ui/index>

{SPORIFY:api}

Sporify API

| | | | |
|-----------------------------|-----------|-----------------|-------------------|
| Account | Show/Hide | List Operations | Expand Operations |
| DataGovernanceStatus | Show/Hide | List Operations | Expand Operations |
| EUTCT | Show/Hide | List Operations | Expand Operations |
| GSRS | Show/Hide | List Operations | Expand Operations |
| ResolutionStatus | Show/Hide | List Operations | Expand Operations |
| SourceOrganisations | Show/Hide | List Operations | Expand Operations |
| SourceSubstances | Show/Hide | List Operations | Expand Operations |
| SourceSystems | Show/Hide | List Operations | Expand Operations |
| SourceTerms | Show/Hide | List Operations | Expand Operations |
| SPOR | Show/Hide | List Operations | Expand Operations |

[BASE URL: , API VERSION: v1]

VALID

1 Swagger Interface

1.5.1 Import Swagger API with Postman

To import the API definition of SPORIFY into Postman, use the import function of Postman and enter the URL <https://www.sporify.eu/swagger/docs/v1>.

Import

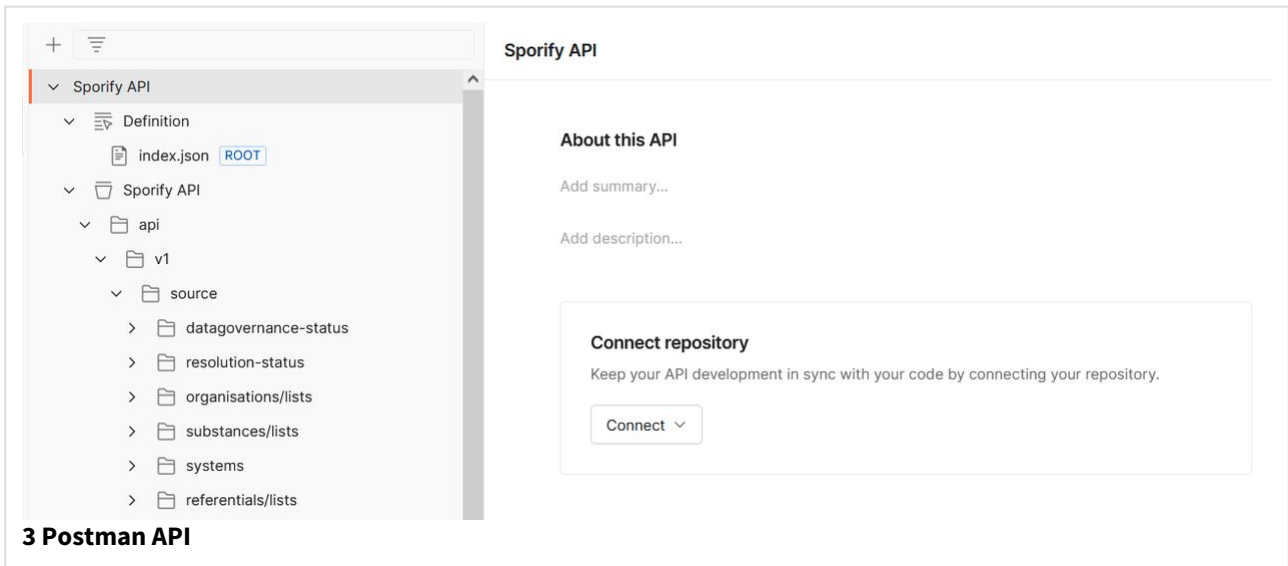
File Folder Link Raw text Code repository **New** API Gateway **New**

Enter a URL

Continue

2 Import Postman

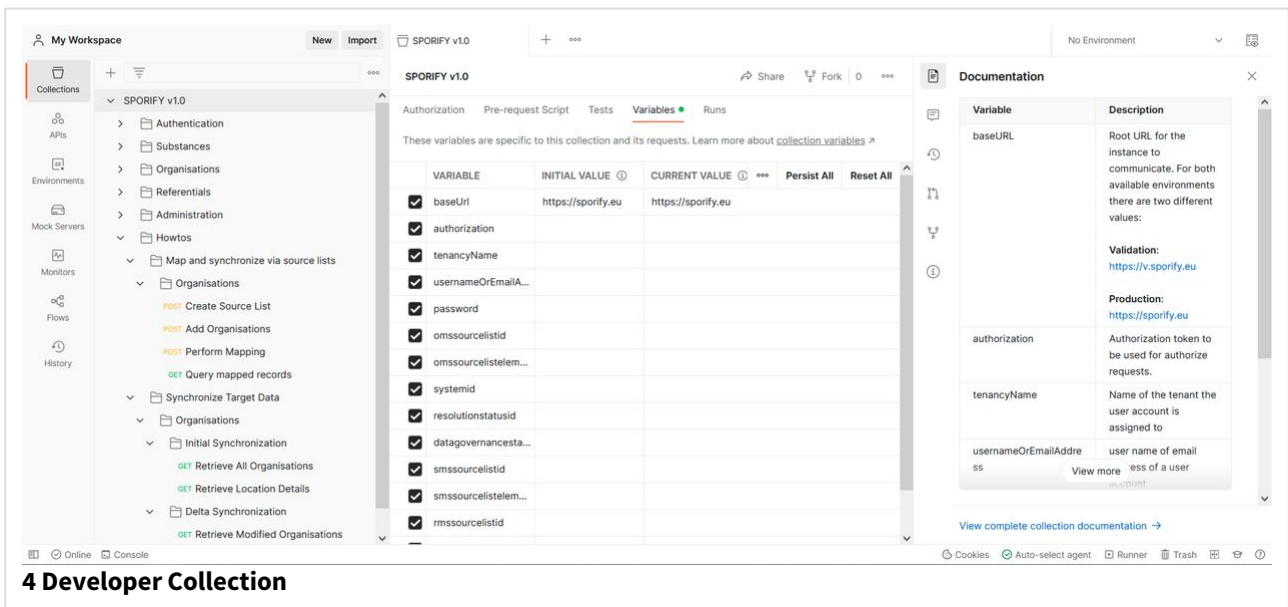
After the successful import, the API definition is available in Postman under API:



3 Postman API

1.5.2 Import Developer Collection with Postman

In addition to the API definition, there is a developer collection for Postman available.



4 Developer Collection

To import the Developer Collection, download the collection and perform the same steps as mentioned previous section to import the API definition.

[SPORIFY v1.0.postman_collection.json](#)

1.6 Authentication

POST api/Account

SPORIFY uses a username and password to generate Bearer tokens. A successful authentication request will receive a Bearer token that should be included as an *Authorization* header in subsequent requests. Note that the string

“Bearer” should prefix the received token value in the *Authorization* header, e.g. “Bearer LtE0tDSbUNkmAdQ...”. Issued tokens will be valid for **24 hours** after which time the authentication process should be repeated.

| Name | Description | Required |
|------------------------|--|----------|
| tenancyName | Sporify is a multi-tenant system. | true |
| usernameOrEmailAddress | Username or email address can be used. | true |
| password | Insert appropriate password. | true |

Note: The endpoint is not aligned under SPOR endpoint and therefore available directly at the root level of the host. For production the URL is <https://sporify.eu/api/Account>

1.6.1 Sample Request Payload

Content-type: application/json

```
{
  "tenancyName": "CorrIT",
  "usernameOrEmailAddress": "admin",
  "password": "password"
}
```

2 SPOR RMS

2.1 Get RMS Lists

GET `spor/rms/lists`

This endpoint allows sorting on:

- `listId` (*default*)
- `name`
- `shortName`
- `status`
- `createdOn`
- `modifiedOn`

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description | Default |
|-----------------------|--|----------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |
| domain | Lists domain is in this comma-separated list of domains. | 'h,v,hv' |
| modifiedAfter | List has changed since this date. | |
| name | List's name or short name contains this value. | |
| tags | List has been tagged with any of these values. | |
| favouritesOnly | Restrict Lists to those that have been favoured. | false |

2.1.1 Sample Request

GET `spor/rms/lists?`

`tags=approved&tags=complete&sortBy=modifiedOn&sortOrder=desc&modifiedAfter=2017-01-01&name=med`

This query fetches the first page of RMS Lists, with the most recently modified lists first, that:

- have been tagged with either 'approved' or 'complete', and
- have been modified since 01/01/2017, and
- have a name or short name containing 'med'

2.2 Get RMS List by RMS List ID

GET `spor/rms/lists/{listID}`

This endpoint accepts a single query parameter:

| Name | Description | Default |
|------------------|--|---------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |

2.3 Get Terms by RMS List ID

GET `spor/rms/lists/{listId}/terms`

This endpoint allows sorting on:

- `termId` (*default*)
- `createdOn`
- `modifiedOn`
- `status`

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description | Default |
|-----------------------------|--|----------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |
| domain | Term's domain is in this comma-separated list of domains. Domains can be specified by Term ID or short name. | 'h,v,hv' |
| modifiedAfter | Term has changed since this date. | |
| name | Term's name or short name contains this value. | |
| status | Term has any of these status. Allowed values: Current, Non_Current, Provisional, Nullified. | |
| tags | Term has been tagged with any of these values. | |
| dataGovernanceStage | Term must be in this data governance stage (1, 2 or 3) | |
| dataGovernanceStatus | Term must have a data governance status with this name | |

2.3.1 Sample Request

GET `spor/rms/lists/100000000006/terms?page=2&domain=100000000012&modifiedAfter=2017-01-01&name=elbow&status=current`

This query fetches the second page of terms from list **100000000006** (*Medical Dictionary For Regulatory Activities*) that:

- are in the **100000000012** domain (*Human use*),
- have been modified since 01/01/2017,
- have a name or short name containing 'elbow', and
- have a status of 'current'

2.4 Get Term by RMS List ID and Term ID

GET `spor/rms/lists/{listId}/terms/{termId}`

This endpoint accepts a single query parameter:

| Name | Description | Default |
|------------------|--|---------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |

2.5 Get Terms

GET `spor/rms/terms`

This endpoint is almost identical to the `spor/rms/lists/{listId}/terms` endpoint. The only difference is that we don't have to specify a `listId` in the path.

2.6 Get Term by Term ID

GET `spor/rms/terms/{termId}`

This endpoint is almost identical to `spor/rms/lists/{listId}/terms/{termId}` but does not need to specify the `listId` in the path.

2.7 Get Term Summaries by RMS List ID

GET `spor/rms/lists/{listId}/term-summaries`

This endpoint is similar to `spor/rms/lists/{listId}/terms` but returns the SPOR Term Summary type instead of the SPOR Term type.

2.8 Get Term Summary by RMS List ID and Term ID

GET `spor/rms/lists/{listId}/term-summaries/{termId}`

2.9 Get Term Summaries

GET `spor/rms/term-summaries`

This endpoint is almost identical to the `spor/rms/lists/{listId}/term-summaries` endpoint. The only difference is that we don't have to specify a `listId` in the path.

2.10 Get Term by Term ID

GET `spor/rms/term-summaries/{termId}`

Almost identical to `spor/rms/lists/{listId}/term-summaries/{termId}` but without needing to specify the `listId` in the path.

3 SPOR OMS

3.1 Get Organisations

GET `spor/oms/organisations`

This endpoint allows sorting on:

- `orgId` (*default*)
- `acronym`
- `name`
- `status`
- `createdOn`
- `modifiedOn`

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description | Default |
|-----------------------------|--|---------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |
| modifiedAfter | Organisation has changed since this date. | |
| name | Organisation's name, acronym or alternate name contains this value. | |
| status | Organisation has this status. Must be one of: Active, Inactive, Provisional. | |
| favouritesOnly | Restrict Organisations to those that have been favoured. | false |
| dataGovernanceStage | Organisation must be in this data governance stage (1, 2 or 3) | |
| dataGovernanceStatus | Organisation must have a data governance status with this name | |

3.1.1 Sample Request

GET `spor/oms/organisations?name=pharma&status=active`

This query fetches the first page of organisations that:

- have a name containing 'pharma', and
- have a status of active

3.2 Get Organisation by ID

GET `spor/oms/organisations/{orgId}`

This endpoint accepts a single query parameter:

| Name | Description | Default |
|------------------|--|---------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |

3.3 Get Locations

GET `spor/oms/locations`

This endpoint allows sorting on:

- `loclId` (*default*)
- `country`
- `status`
- `createdOn`
- `modifiedOn`

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description | Default |
|----------------------|--|---------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |
| address | Location's address contains this value. | |
| modifiedAfter | Location has changed since this date. | |
| status | Location has this status. Must be one of: Active, Inactive, Provisional. | |
| tags | Location has been tagged with any of these values. | |

3.3.1 Sample Request

GET `spor/oms/locations?address=Dublin,Ireland&status=active`

This query fetches the first page of locations that:

- have an address containing 'Dublin,Ireland', and
- have a status of active

3.4 Get Location by ID

GET spor/oms/locations/{loclid}

This endpoint accepts a single query parameter:

| Name | Description | Default |
|------------------|--|---------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |

4 SPOR SMS

4.1 Get Substances

GET `spor/sms/substances`

This endpoint allows sorting on:

- `smsId` (*default*)
- `name`
- `createdOn`
- `modifiedOn`

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description |
|-----------------------------|---|
| modifiedAfter | Substance has changed since this date. |
| name | Substance's name contains this value. |
| status | Substance has this status. |
| domain | Substance belongs to this domain. Must be one of: "Human use", "Veterinary use" |
| tags | Substance has been tagged with any of these values. |
| dataGovernanceStage | Substance must be in this data governance stage (1, 2 or 3) |
| dataGovernanceStatus | Substance must have a data governance status with this name |

4.1.1 Sample Request

GET `spor/sms/substances?name=aspirin&status=Current`

This query fetches the first page of substances that:

- have a name containing 'aspirin', and
- have a status of 'Current'

4.2 Get Substance by ID

GET `spor/sms/substances/{smsId}`

5 SPOR Documents

5.1 Get Documents

GET spor/documents

This endpoint allows sorting on:

- sporDocumentId (*default*)
- name

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description |
|--------------------------|---|
| applicationDomain | Documents belongs to a domain. Must be one of: "OMS", "RMS" |
| type | Documents belongs to a type. Must be one of: "Technical", "General", "List-info", "NCA" |
| sporDocumentId | Documents have a unique document identification |
| listID | Documents of type "List-Info" have a reference to RMS Lists |
| modifiedAfter | Documents has changed since this date. |
| name | Document's name contains this value. |

5.1.1 Sample Request

GET spor/documents?name=quality&applicationDomain=RMS

This query fetches the first page of documents that:

- have a name containing 'quality', and
- belong to the Application Domain of 'RMS'

5.2 Get Document by ID

GET spor/document/{documentId}

5.3 Get Document Download by ID

GET spor/document/{documentId}/download

5.4 Get Document Version Download by ID

GET `spor/document/{documentId}/versions/{versionId}/download`

6 G-SRS Substances

6.1 Get G-SRS Substances

GET gsr/substances

This endpoint allows sorting on:

- unii (*default*)
- name
- createdOn
- modifiedOn

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description |
|-----------------------------|---|
| modifiedAfter | Substance has changed since this date. |
| name | Substance's name or other name contains this value. |
| unii | Substance's UNII code contains this value. |
| tags | Substance has been tagged with any of these values. |
| dataGovernanceStage | Substance must be in this data governance stage (1, 2 or 3) |
| dataGovernanceStatus | Substance must have a data governance status with this name |

6.1.1 Sample Request

GET gsr/substances?name=atorvastatin

This query fetches the first page of substances that:

- have a name containing 'atorvastatin'

6.2 Get G-SRS Substance by ID

GET gsr/substances/{unii}

6.3 Get Substance by ID With Specific Version

GET gsr/substances/{unii}/versions/{version}

7 EUTCT Substances

7.1 Get EUTCT Human Substances

GET eutct/substances

This endpoint allows sorting on:

- termId (*default*)
- createdOn
- modifiedOn
- status

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description |
|-----------------------------|---|
| modifiedAfter | Substance has changed since this date. |
| name | Substance's name or other name contains this value. |
| termId | Substance's Term Id contains this value. |
| status | Term has any of these statuses. Allowed values: Current, Non_Current, Provisional, Nullified. |
| tags | Substance has been tagged with any of these values. |
| dataGovernanceStage | Substance must be in this data governance stage (1, 2 or 3) |
| dataGovernanceStatus | Substance must have a data governance status with this name |

7.2 Get EUTCT Human Substance by ID

GET eutct/substances/{termId}

7.3 Get EUTCT Human Substance by ID With Specific Version

GET eutct/substances/{termId}/versions/{version}

7.4 Get EUTCT Veterinary Substances

GET eutct/veterinary-substances

This endpoint is similar to `eutct/substances` but returns veterinary substances instead of human substances.

7.5 Get EUTCT Veterinary Substance by ID

GET `eutct/substances/{termId}`

7.6 Get EUTCT Veterinary Substance by ID With Specific Version

GET `eutct/substances/{termId}/versions/{version}`

8 Source Systems

8.1 Get Source Systems

GET source/systems

This endpoint allows sorting on:

- name (*default*)
- id
- createdOn
- modifiedOn

8.2 Get Source System by ID

GET source/systems/{systemId}

9 Resolution Status

9.1 Get Resolution Status

GET source/resolution-status

This endpoint allows sorting on:

- name (*default*)
- id

9.2 Get Resolution Status by ID

GET source/resolution-status/{statusId}

10 Source Referentials

10.1 Get Referential Source Lists

GET source/referentials/lists

This endpoint allows sorting on:

- name (*default*)
- id
- systemId
- createdOn
- modifiedOn

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description |
|----------------------|--|
| systemId | Source List belongs to this system. |
| modifiedAfter | Source List has changed since this date. |
| name | Source List name contains this value. |

10.2 Create Referential Source List

POST source/referentials/lists

To create a Source List, the following JSON keys are required:

| Name | Description | Required |
|------------------|---|----------|
| systemId | The ID of the system with which this list will be associated. | true |
| name | A name by which to identify this list. | true |
| rmsListId | The list ID of the target RMS List. | true |
| language | An ISO 639-1 two-letter code specifying the language. | true |

10.2.1 Sample Request Payload

Content-type: `application/json`

```
{  
  "systemId": "c5c5c5c7-62a9-3a0f-bb70-3e3a5346013a",  
  "name": "countries",  
  "rmsListId": 1000000000002,  
  "language": "en"  
}
```

10.3 Get Referential Source List by ID

GET source/referentials/lists/{listId}

10.4 Delete Referential Source List

DELETE source/referentials/lists/{listId}

Warning: this operation cannot be undone and will delete the Source List and any Source Terms that it contains.

10.5 Update Referential Source List

PATCH source/referentials/lists/{listId}

To update a Source List, the following JSON keys may be provided:

| Name | Description | Required |
|-----------------|---|----------|
| systemId | The ID of the system with which this list will be linked. | false |
| name | The new name of the list. | false |

10.5.1 Sample Request Payload

Content-type: application/json

```
{  
  "name": "european_countries"  
}
```

10.6 Map Referential Source List

POST source/referentials/lists/{listId}/map

Trigger mapping to be performed for this source list against the RMS List specified at list creation.

10.7 Get Unmapped Terms by Source List ID

GET `source/referentials/lists/{listId}/unmapped`

This endpoint returns the unmapped RMS Terms from the RMS List that this Source List is targeting. This is equivalent to querying the targeted RMS List when the Source List has no Source Terms, but once an RMS Term is mapped against it, it will not be included in the result.

It accepts the same query parameters as the `spor/rms/lists/{listId}/terms` and `spor/rms/terms` endpoints.

10.8 Get Source Terms by Source List ID

GET `source/referentials/lists/{listId}/elements`

This endpoint allows sorting on:

- `sourceId` (*default*)
- `id`
- `name`
- `createdOn`
- `modifiedOn`
- `rmsTermStatus`

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description | Default |
|---------------------------|--|---------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |
| resolutionStatusId | Source Term has this status. | |
| modifiedAfter | Source Term has been changed since this date. | |
| name | Source Term's name contains this value. | |
| rmsTermStatus | Mapped RMS Term has any of these status. Allowed values: Current, Non_Current, Provisional, Nullified. | |
| tags | Source Term has been tagged with any of these values. | |

10.9 Create Source Term

POST source/referentials/lists/{listId}/elements

To create a Source Term, the following JSON keys may be provided:

| Name | Description | Required |
|--------------------|--|----------|
| sourceId | The primary key of this Term in your Source System | true |
| name | The Term name. | true |
| shortName | The Term's short name. | false |
| otherName | The Term's other name. | false |
| description | The Term's description. | false |
| comment | A comment regarding this Term | false |

10.9.1 Sample Request Payload

Content-type: application/json

```
{
  "sourceId": "1890",
  "name": "France"
}
```

10.10 Get Source Term by ID

GET source/referentials/lists/{listId}/elements/{elementId}

This endpoint accepts a single query parameter:

| Name | Description | Default |
|------------------|--|---------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |

10.11 Delete Source Term

DELETE source/referentials/lists/{listId}/elements/{elementId}

Warning: this operation cannot be undone and will delete the term.

10.12 Update Source Term

PATCH source/referentials/lists/{listId}/elements/{elementId}

To update a Source Term, the following JSON keys may be provided:

| Name | Description | Required |
|--------------------|---|----------|
| sourceId | The primary key of this Term in your Source System. | false |
| name | The Term name. | false |
| shortName | The Term's short name. | false |
| otherName | The Term's other name. | false |
| description | The Term's description. | false |
| comment | A comment regarding this Term | false |

10.12.1 Sample Request Payload

Content-type: application/json

```
{  
  "sourceId": "1891"  
}
```

11 Source Organisations

11.1 Get Organisation Source Lists

GET source/organisations/lists

This endpoint allows sorting on:

- name (*default*)
- id
- systemId
- createdOn
- modifiedOn

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description |
|----------------------|--|
| systemId | Source List belongs to this system. |
| modifiedAfter | Source List has changes since this date. |
| name | Source List name contains this value. |

11.2 Create Organisation Source List

POST source/organisations/lists

To create a Source List, the following JSON keys are required:

| Name | Description | Required |
|-----------------|---|----------|
| systemId | The ID of the system with which this list will be associated. | true |
| name | A name by which to identify this list . | true |

11.2.1 Sample Request Payload

Content-type: application/json

```
{  
  "systemId": "c5c5c5c7-62a9-3a0f-bb70-3e3a5346013a",  
  "name": "orgs"
```

```
}  

```

11.3 Get Organisation Source List by ID

GET `source/organisations/lists/{listId}`

11.4 Delete Organisation Source List

DELETE `source/organisations/lists/{listId}`

Warning: this operation cannot be undone and will delete the Source List and any Source Organisations that it contains.

11.5 Update Organisation Source List

PATCH `source/organisations/lists/{listId}`⁵

To update a Source List, the following JSON keys may be provided:

| Name | Description | Required |
|-----------------|---|----------|
| systemId | The ID of the system with which this list will be linked. | false |
| name | A name by which to identify this list. | false |

11.5.1 Sample Request Payload

Content-type: `application/json`

```
{  
  "name": "organisations"  
}
```

11.6 Map Organisation Source List

POST `source/organisations/lists/{listId}/map`

Trigger mapping to be performed for this source list against OMS Organisations.

⁵ <https://www.sporify.eu/api/v1/source/organisations/lists/00000000-0000-0000-0000-000000000000>

11.7 Get Source Organisations by Source List ID

GET source/organisations/lists/{listId}/elements

This endpoint allows sorting on:

- sourceId (*default*)
- id
- name
- address
- createdOn
- modifiedOn

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description | Default |
|---------------------------|--|---------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |
| resolutionStatusId | Source Org has this status. | |
| modifiedAfter | Source Org has been changed since this date. | |
| name | Source Org's name or address contains this value. | |
| tags | Source Org has been tagged by any of these values. | |

11.8 Create Source Organisation

POST source/organisations/lists/{listId}/elements

To create a Source Organisation, the following JSON keys may be provided:

| Name | Description | Required |
|-----------------|---|----------|
| sourceId | The primary key of this term in your Source System. | true |
| name | The organisation's name. | true |
| address | The organisation's address. | true |
| comment | A comment regarding this Organisation | false |

11.8.1 Sample Request Payload

Content-type: application/json

```
{
  "sourceId": "1",
  "name": "CorrIT Limited",
  "address": "64 Mount Street Lower, Dublin 2, Ireland"
}
```

11.9 Get Source Organisation by ID

GET source/organisations/lists/{listId}/elements/{elementId}

This endpoint accepts a single query parameter:

| Name | Description | Default |
|------------------|--|---------|
| normalise | Fix known issues with returned EMA SPOR JSON | false |

11.10 Delete Source Organisation

DELETE source/organisations/lists/{listId}/elements/{elementId}

11.11 Update Source Organisation

PATCH source/organisations/lists/{listId}/elements/{elementId}

To update a Source Organisation, the following JSON keys may be provided:

| Name | Description | Required |
|-----------------|---|----------|
| sourceId | The primary key of this Organisation in your Source System. | false |
| name | The Organisation's name. | false |
| address | The Organisation's address. | false |
| comment | A comment regarding this Organisation | false |

11.11.1 Sample Request Payload

Content-type: `application/json`

```
{  
  "name": "CorrIT Ltd",  
}
```

12 Source Substances

12.1 Get Substance Source Lists

GET source/substances/lists

This endpoint allows sorting on:

- name (*default*)
- id
- systemId
- createdOn
- modifiedOn

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description |
|----------------------|--|
| systemId | Source List belongs to this system. |
| modifiedAfter | Source List has changed since this date. |
| name | Source List name contains this value. |

12.2 Create Substance Source List

POST source/substances/lists

To create a source list, the following JSON keys are required:

| Name | Description | Required |
|-----------------|---|----------|
| systemId | The ID of the system with which this list will be associated. | true |
| name | A name by which to identify this list. | true |
| language | An ISO 639-1 two-letter code specifying the language. | true |

12.2.1 Sample Request Payload

Content-type: `application/json`

```
{  
  "systemId": "c5c5c5c7-62a9-3a0f-bb70-3e3a5346013a",  
  "name": "acids",  
  "language": "en"  
}
```

12.3 Get Substance Source List by ID

GET source/substances/lists/{listId}

12.4 Delete Substance Source List

DELETE source/substances/lists/{listId}

Warning: this operation cannot be undone and will delete the Source List and any Source Substances that it contains.

12.5 Update Substance Source List

PATCH source/substances/lists/{listId}

To update a Source List, the following JSON keys may be provided:

| Name | Description | Required |
|-----------------|---|----------|
| systemId | The ID of the system with which this list will be linked. | false |
| name | The new name of the list. | false |

12.5.1 Sample Request Payload

Content-type: application/json

```
{  
  "name": "organic acids"  
}
```

12.6 Map Substance Source List

POST source/substances/lists/{listId}/map

Trigger mapping to be performed for this Source List against Target Substances.

12.7 Get Source Substances by Source List ID

GET source/substances/lists/{listId}/elements

This endpoint allows sorting on:

- sourceId (*default*)
- id
- name
- createdOn
- modifiedOn

In addition to the common resource query parameters, this endpoint accepts:

| Name | Description |
|---------------------------|--|
| resolutionStatusId | Source substance has this status. |
| modifiedAfter | Source substance has been changed since this date. |
| name | Source substance's name contains this value. |
| tags | Source substance has been tagged with any of these values. |

12.8 Create Source Substance

POST source/substances/lists/{listId}/elements

To create a source term, the following JSON keys may be provided:

| Name | Description | Required |
|-------------------------|---|----------|
| sourceId | The primary key of this substance in your source system | true |
| name | The substance name | true |
| substanceId | A local substance ID | false |
| molecularFormula | The molecular formula of this substance | false |
| nameType | Classification of the substance's name | false |

| Name | Description | Required |
|----------------------|--|----------|
| substanceType | Classification of the substance | false |
| eutctId | An EUTCT ID linked to this substance | false |
| evCode | An EV Code linked to this substance | false |
| unii | A UNII code linked to this substance | false |
| casNumber | A CAS Number linked to this substance | false |
| inchi | An InChI Key linked to this substance | false |
| inn | A WHO INN ID linked to this substance | false |
| smiles | A SMILES string linked to this substance | false |
| atcCode | An ATC Code linked to this substance | false |
| comment | A comment regarding this substance | false |

12.8.1 Sample Request Payload

Content-type: `application/json`

```
{  
  "sourceId": "12345",  
  "name": "aspirin"  
}
```

12.9 Get Source Substance by ID

GET `source/substances/lists/{listId}/elements/{elementId}`

12.10 Delete Source Substance

DELETE `source/substances/lists/{listId}/elements/{elementId}`

Warning: this operation cannot be undone and will delete the term.

12.11 Update Source Substance

PATCH `source/substances/lists/{listId}/elements/{elementId}`

To update a source substance, the following JSON keys may be provided:

| Name | Description | Required |
|-------------------------|---|----------|
| sourceId | The primary key of this substance in your source system | false |
| name | The substance name | false |
| substanceId | A local substance ID | false |
| molecularFormula | The molecular formula of this substance | false |
| nameType | Classification of the substance's name | false |
| substanceType | Classification of the substance | false |
| eutctId | An EUTCT ID linked to this substance | false |
| evCode | An EV Code linked to this substance | false |
| unii | A UNII code linked to this substance | false |
| casNumber | A CAS Number linked to this substance | false |
| inchi | An InChI Key linked to this substance | false |
| inn | A WHO INN ID linked to this substance | false |
| smiles | A SMILES string linked to this substance | false |
| atcCode | An ATC Code linked to this substance | false |
| comment | A comment regarding this substance | false |

12.11.1 Sample Request Payload

Content-type: `application/json`

```
{  
  "name": "acetylsalicylic acid"  
}
```