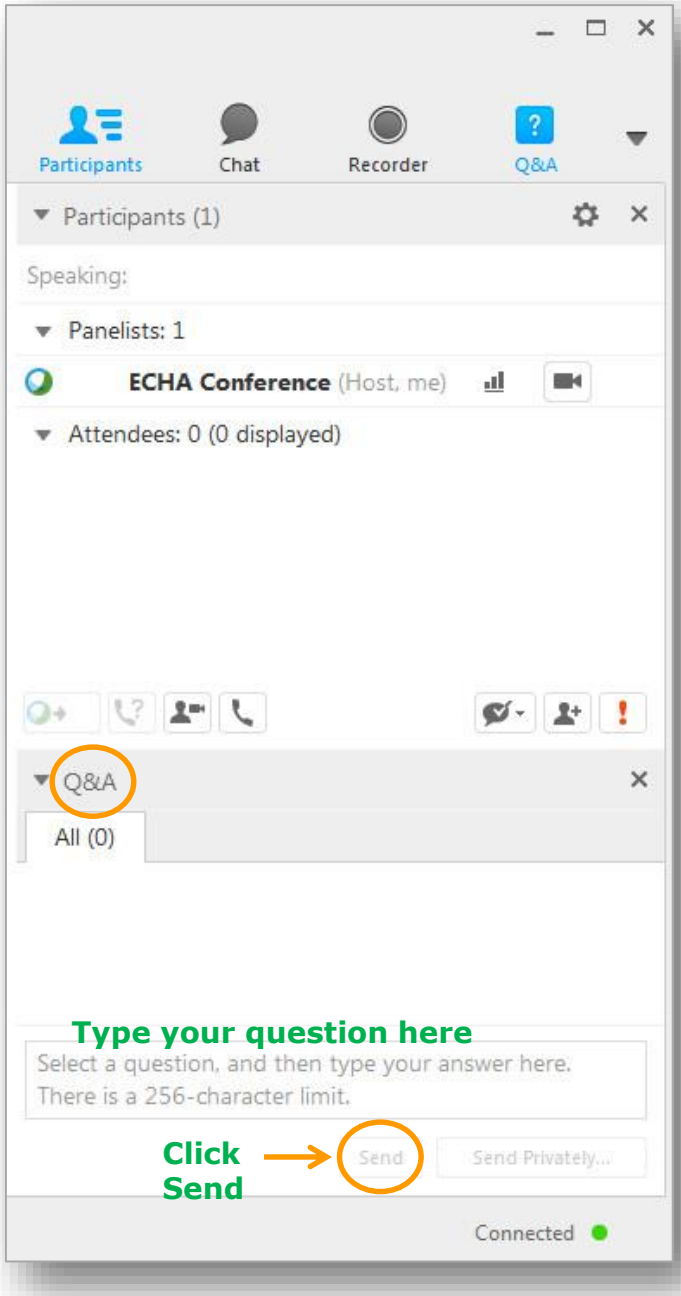
SCIP IT user group

28 February 2020

Opening remarks

- Practicalities
  - Webex instructions
    - For the floor, raise your hand
    - To ask a question: use the **Q&A panel** at any time.
  - Audio recording to support minutes

Additional comments and questions:
scip@europa.echa.eu
Include on the subject: " SCIP IT user group"



Today's agenda

- System to System integration
- Industry Feedback review

System to System Integration

SCIP IT User group

28 February 2020

Ferran Villar Garcia

Agenda for S2S integration

- Why, when, how
- How to create an SCIP dossier
- How to submit an SCIP dossier
  - Overview
  - Enrolment to the service
  - SCIP submission
  - SCIP validation
- Supporting documentation

Why, when, how to use **S2S** integration

S2S interface is intended to facilitate the process of complying with SCIP by

- Providing alternative to **create and submit** SCIP notification other than ECHA tools
- Allowing the **automation** of the SCIP Notification process

Which scenarios should be considered by Industry when evaluating the best strategy to comply with SCIP?

- **Notification at scale:** Service should be considered where manual IUCLID UI SCIP notification process is evaluated not appropriate or feasible.
- **Multiple** product updates along product evolution in terms of materialsand spare parts from various providers.
- Already existing **systems** to manage company portfolio, spare parts, etc .

How

Why, How, when to use **S2S** integration

Alignment with the own systems at industry side

- Management of the **Product** Evolution
  - SCIP Initial Notification, SCIP Update Notification
  - Notification status and validation
  - Obtain List of Submissions done

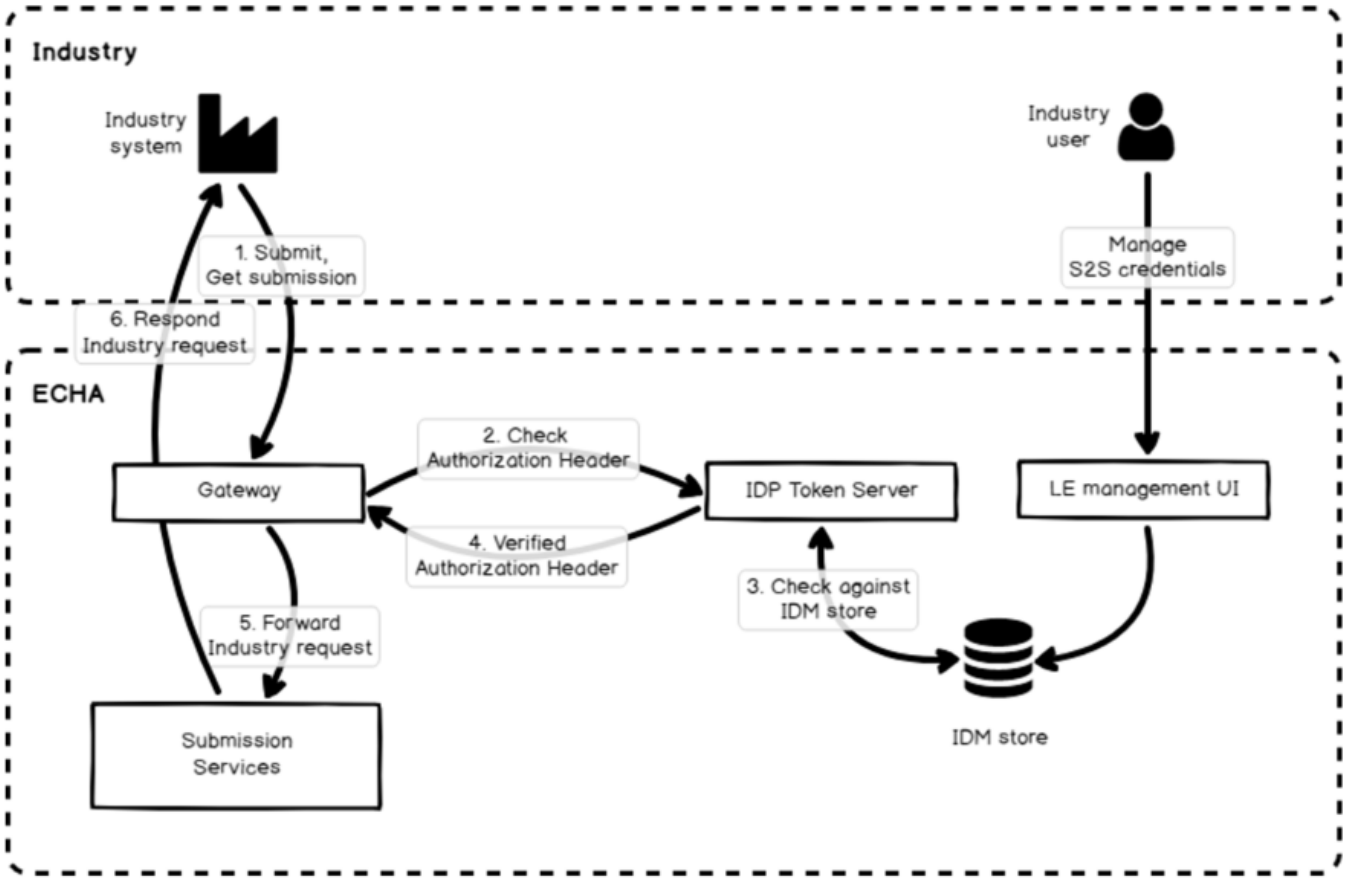
- Testing environment for **Validation**
  - Stable environment for testing
  - Support the creation for specific scenarios for industry
    - Initial Product notification
    - Update

Why, How, when to use **S2S** integration

When providing the possibility to submit notifications using a system to system (S2S) service, companies are required to be compliant with the exposed **REST API** and implement the security model to authorise their S2S requests while in terms of format, the **IUCLID format** applies (submitted file is in i6z format).

How

Why, how, when to use **S2S** integration

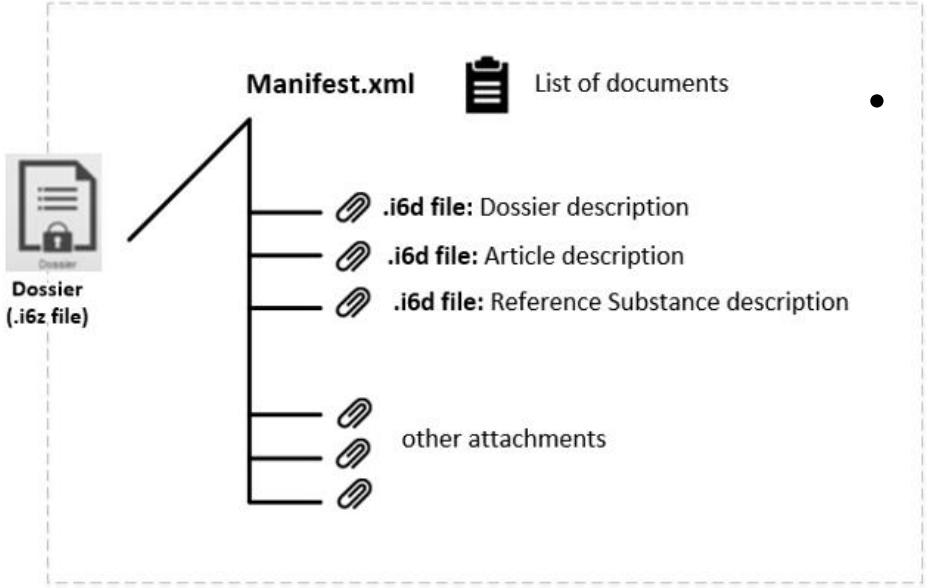


S2S integration scenario

How to **create** an SCIP dossier

- The dossier is an snapshot/instance of the underlying datasets (article information) taken at a specific time with the aim to be submitted to ECHA.
- On the other hand, the raw data (the articles) continuously evolves, also as a basis to create new dossiers out of it and fulfil the legal requirements (by update submission).
- A dataset (Article) is the central core of information, containing information on the intrinsic properties of a specific article, its components and concern elements.
- It is a single i6z file. Once submitted, the dossier cannot be re-submitted (in the same test scenario).

How to **create** an SCIP dossier



- SCIP dossier includes various (.i6d) files including the 1-n article.i6d and 1-n reference.i6d files which define the SCIP notification.

- In the following slides we will concentrate on directives, guidelines and / or suggestions to construct the file and its links.

How to **create** an SCIP dossier

The information that needs to be included in a **SCIP Article shall allow**

a) identification of the article
b) name, concentration range and location of the Candidate List substance(s) present in that article
c) information to allow safe use of the article, notably information to ensure proper management of the article once it becomes waste.

avoiding the disclosure of information considered confidential by the submitter in regards the supply chain identification.

The task

How to **create** an SCIP dossier

Article Identification

- *Identifiers*
- *Name*
- *Article category (TARIC/CN code)*

Safe use information

Substance of concern (SVHC) in the article **(Concern element)**

- *SVHC identifiers*
- *Concentration range*
- *Material category*

Detailed information requirements published on ECHA website

How to **create** an SCIP dossier

- An automated validation process will be executed upon submission of the SCIP notifications to ensure basic consistency and integrity of the data; there will be no specific assessment of the SCIP notifications by ECHA, e.g. whether sufficient and accurate information has been provided.
- Responsibility for submitting sufficient and accurate data lies with the submitter (duty holder)

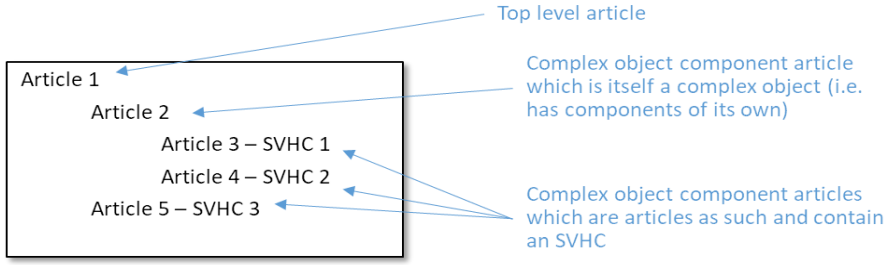
How to **create** an SCIP dossier

IUCLID Format provides 2 main tools to allow notifier to build SCIP Notification:

- **Hierarchy** on the Article definition (linking articles)
- List of adaptable **attributes** and usages

How to **create** an SCIP dossier

- Mechanism to build relation in between articles included in a complex object to **descriptively define** the complex object.
- **Identification** of the article is supported by the name(s), identifier(s) and other identifying characteristics that can be reported (picture).
- **Location** of the SVHC in the article is supported by properly identifying the article as a such but also by linking articles to reflect an article hierarchy that could be descriptive, e.g.:



How to **create** an SCIP dossier

- **Pictures or diagrams** can be included to support the identification of the article as well as to highlight where in the article the SVHC resides.
- Safe use instructions specified as **free text**.
- Detailed **disassembling instructions** defining how to disassemble the article as an **attachment document**.
- Required or optional attributes which are suppose to adapt to the different industry and sectorial needs.

How to **submit** an SCIP dossier

ECHA will make available all the information received, except that which is defined as sensitive information.

- ECHA will not disclose the link between the notification and its submitter (Legal Entity).
- Only identifiers and names of articles as such or top level article of a complex object will be disclosed. (The Primary Article Identifier is intended to drive the article identification).
- Name of the components and the Candidate list substances will be disclosed

Additional information about sensitive data in SCIP published on ECHA support

Compulsoriness

How to **create** an SCIP dossier

Field	Description	
Article name	Text (2,000 char.)	This is a required field
The name of the article as given by the duty holder. It should be a generic name that allow to recognize the article. The article name will be public always (for an article as such, the top level entity of a complex object and all the link components of a complex object). The duty holder has to make sure that the article name does not include any confidential information.		

Field	Description	
Other names type	Type List (picklist)	This is an optional field
Other names of the article as given by the duty holder. For articles as such or complex objects placed on the market for consumers, other names such as the **brand, model or other type** could be provided, whenever possible, in addition to the "Article name", in order to allow consumers to unequivocally identify the article and its elements of concern description.		
Other name value	Text (255 char.)	This is an optional field
The information of this text field will be public only for articles as such and the top level entity of a complex object.		

Required means validation would fail without its presence.

Optional means that the presence for the technical evaluation is optional, but you should consider the 3 objectives of each notification to evaluate if they are fulfilled.

The attributes can be required or optional from the **IUCLID** format perspective, but the **duty holder** will need to assess the need of the attribute by evaluating the overall SCIP notification in regards the 3 objectives:

a) identification of the article
b) Identification and concentration range of the Candidate List substance(s)
c) information to allow the safe use of the article, notably information to ensure proper management of the article once it becomes waste.

How to **create** an SCIP dossier

SCIP Format

The SCIP format structures the information on articles that contain Candidate List substances in concentration above 0.1 % weight by weight that has to be submitted to ECHA.

The format is XML-based and defined taking into account the legal text of Article 9(1) (i) of the Waste Framework Directive, REACH Article 33(1), the Commission's "Non-paper on the implementation of Articles 9(1)(i) and 9(2) of the revised Waste Framework Directive 2008/98/EC", and ECHA's Guidance on requirements for substances in articles.

The SCIP format is compatible with IUCLID, a tool developed by ECHA in collaboration with the OECD, which promotes the harmonisation of chemicals data. You can find additional information about this tool on the IUCLID website.

To help companies implement this format outside of the IUCLID tool, the following support materials are available:

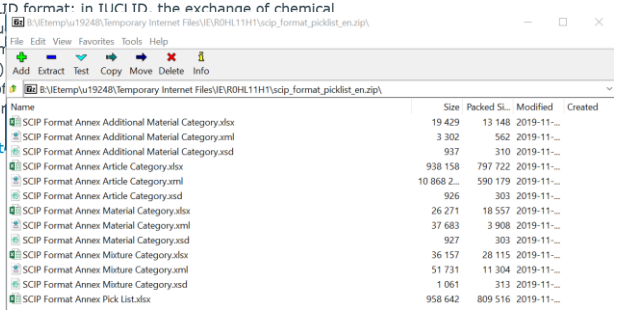
- SCIP format: October 2019
  - Download from IUCLID website
- SCIP format annex – Picklists: October 2019
  - SCIP Format Annex Pick Lists [XLSX]
  - Download [ZIP]

  Note that the XML list of picklist values contains all IUCLID phrases, not only the ones relevant for SCIP.
- Validation rules for SCIP notifications [PDF] [EN]
- Developers' guide to the IUCLID format: in IUCLID, the exchange of chemical information is facilitated throu… 6 zip). This file contains inform… (documents and attachments) … guide explains the structure of … notification dossiers from their…

  Download from IUCLID websit…

SEE ALSO

- Introduction to the SCIP format [PDF]



	A	B	C	D	E
1		Name type			
2	Identifier	Text			
3	66247	brand			
4	66248	model			
5	66249	type			
6	1342	other			
7		Primary article identifier type, Article identifier type			
8	Identifier	Text			
9	66297	ECHA Article ID			
10	66298	GTIN (Global Trade Item Number)			
11	66299	EAN (European Article Number)			
12	66300	GPC (Universal Product Code)			
13	66301	JAN (Japanese Article Number)			
14	66302	UDI (Unique Device Identification)			
15	66303	ISBN (International Standard Book Number)			
16	66304	catalogue number			
17	66305	batch number			
18	66306	part number			
19	66307	item number			
20	66308	reference number			
21	66309	serial number			
22	1342	other:			
23		Production in European Union			
24	Identifier	Text			
25	2480	Yes			
26	2158	No			
27	66278	Unwilling to disclose			
28		Height, Length, Width, Diameter			
29	Identifier	Text			
30	66310	m			
31	66311	dm			
32	66312	cm			
33	2120	mm			
34		Density			
35	Identifier	Text			
36	2022	kg/m³			
37	66313	kg/dm³			
38	1929	g/cm³			
39		Weight			
40	Identifier	Text			
41	66314	t			

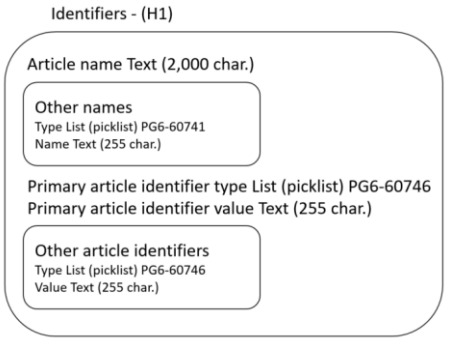
Multiple Pick Lists | Article Categories | Material Category | Additional Category | Mixture Category

How to create Notification – **Dossier**

Field	Description
Dossier name (given by user)	**PlatformMetadata/name** Optional – Text (255 char.) This field is not required by the regulation however it is useful for internal reasons in order to easily identify the submitted dossier. For example internal incremental reference numbers and/or codes can be used in order to keep track and better organize the information submitted.
Dossier submission remark	**DOSSIER.SCIP/remarks** Optional - Text (32,768 char.) This field is not required by the regulation however, it may be useful for internal reasons in order to keep track of additional notes and internal remarks.

```
<?xml version='1.0' encoding='UTF-8'?>
<?xml-stylesheet type="text/xsl" href="DOSSIER-SCIP.xsl"?>
<i6c:Document xmlns:i6c="http://iuclid6.echa.europa.eu/namespaces/platform-container/v1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="
http://iuclid6.echa.europa.eu/namespaces/platform-container/v1 platform-container.xsd" xmlns:xml="http://www.w3.org/XML/1998/namespace">
    <i6c:PlatformMetadata xmlns:i6m="http://iuclid6.echa.europa.eu/namespaces/platform-metadata/v1" xsi:schemaLocation="
    http://iuclid6.echa.europa.eu/namespaces/platform-container/v1 platform-container.xsd">
        <i6m:iuclidVersion>4.9.0</i6m:iuclidVersion>
        <i6m:documentKey>ec6cd6d4-c272-453d-8caf-d51e3577cb8d/ec6cd6d4-c272-453d-8caf-d51e3577cb8d</i6m:documentKey>
        <i6m:parentDocumentKey/>
        <i6m:name>Example device 11.02.2020</i6m:name>
        <i6m:documentType>DOSSIER</i6m:documentType>
        <i6m:documentSubType>SCIP</i6m:documentSubType>
        <i6m:orderInSectionNo/>
        <i6m:definitionVersion>1.0</i6m:definitionVersion>
        <i6m:creationDate>2020-02-11T11:11:39Z</i6m:creationDate>
        <i6m:lastModificationDate>2020-02-11T11:11:39Z</i6m:lastModificationDate>
        <i6m:submissionType>SCIP</i6m:submissionType>
        <i6m:submissionTypeVersion>scip 1.0</i6m:submissionTypeVersion>
        <i6m:submittingLegalEntity/>
        <i6m:dossierSubject>a730d7d7-fa94-424e-9221-f333eea5ab29/ec6cd6d4-c272-453d-8caf-d51e3577cb8d</i6m:dossierSubject>
        <i6m:i5Origin>false</i6m:i5Origin>
        <i6m:creationTool>IUC6</i6m:creationTool>
        <i6m:snapshotCreationTool>IUC6</i6m:snapshotCreationTool>
    </i6c:PlatformMetadata>
    <i6c:Content>
        <DOSSIER.SCIP xmlns="http://iuclid6.echa.europa.eu/namespaces/DOSSIER-SCIP/1.0" xmlns:i6="http://iuclid6.echa.europa.eu/namespaces/platform-fields/v1">
            <remarks/>
        </DOSSIER.SCIP>
    </i6c:Content>
    <i6c:Attachments xmlns:i6a="http://iuclid6.echa.europa.eu/namespaces/platform-attachment/v1" xsi:schemaLocation="
    http://iuclid6.echa.europa.eu/namespaces/platform-attachment/v1 platform-attachment.xsd"/>
    <i6c:ModificationHistory xmlns:i6h="http://iuclid6.echa.europa.eu/namespaces/platform-modification-history/v1" xsi:schemaLocation="
    http://iuclid6.echa.europa.eu/namespaces/platform-modification-history/v1 platform-modification-history.xsd">
        <i6h:Modification>
            <i6h:Date>2020-02-11T11:11:39Z</i6h:Date>
            <i6h:Author>SuperUser</i6h:Author>
            <i6h:LegalEntity>Predefined Legal entity</i6h:LegalEntity>
            <i6h:Remarks>Created</i6h:Remarks>
        </i6h:Modification>
    </i6c:ModificationHistory>
</i6c:Document>
```

How to create Notification – **Article** Attributes (I)



Field	Description	
Article name	Text (2,000 char.)	This is a required field
The name of the article as given by the duty holder. It should be a generic name that allow to recognize the article. The article name will be public always (for an article as such, the top level entity of a complex object and all the link components of a complex object). The duty holder has to make sure that the article name does not include any confidential information.		

Field	Description	
Other names type	Type List (picklist)	This is an optional field
Other names of the article as given by the duty holder. For articles as such or complex objects placed on the market for consumers, other names such as the **brand, model or other type** could be provided, whenever possible, in addition to the "Article name", in order to allow consumers to unequivocally identify the article and its elements of concern description.		
Other name value	Text (255 char.)	This is an optional field
The information of this text field will be public only for articles as such and the top level entity of a complex object.		

```
<Identifiers>
    <ArticleName>Mobile phone device</ArticleName>
    <OtherNames>
        <entry i6:uuid="72b7878e-b5cf-428c-9160-ebde7b7659e8">
            <Type>
                <value>66248</value>
            </Type>
            <Name>model name</Name>
        </entry>
        <entry i6:uuid="12c780c2-33a2-4744-8efc-f9b4b16edbd8">
            <Type>
                <value>66247</value>
            </Type>
            <Name>brand name</Name>
        </entry>
    </OtherNames>
    <PrimaryArticleIdentifierType>
        <value>66305</value>
    </PrimaryArticleIdentifierType>
    <PrimaryArticleIdentifierValue>3243245325</PrimaryArticleIdentifierValue>
    <OtherArticleID>
        <entry i6:uuid="681b07be-f548-4f0a-9b11-1405663f8253">
            <Type>
                <value>66307</value>
            </Type>
            <Value>fsdfsd43w</Value>
        </entry>
    </OtherArticleID>
</Identifiers>
```

How to submit Notification – **Article** Attributes (II)

Field	Description	
Primary article identifier type	Type List (picklist)	This is a required field
The identifier of the article as such or the complex object as given by the duty holder. For articles as such or complex objects placed on the market for consumers, at least one identifier available to consumers, e.g. European Article Number (EAN), needs to be provided in this field, in order to allow consumers to identify unequivocally the article as such or the complex object for which information is being submitted.] The Primary article identifier will be public only for articles as such and the top level entity of a complex object.		
Primary article identifier value	Text (255 char.)	This is a required field
The Primary article identifier and the Legal entity will be the key components to identified each article in SCIP database.		

Field	Description	
Other article identifier type	Type List (picklist)	This is an optional field.
Each article may be identified by more than one article identifier.		
Other article identifier value	Text (255 char.)	This is an optional field.
This field allow the duty holder to select more than one identifier for internal purpose or to allow the unequivocaly identification of it by consumers		

Categorisation - (H1)

Article category List multi. (multi-select list) PG6-60768
Production in European Union List (picklist) PG6-60742

Field	Description	
Article Category	Type List (picklist)	This is a required field
This can be selected from a set of pre-defined values on a multiselect list Article category classifies an article according to its function/use. The article categorisation system will be based on the integrated Tariff of the European Union – TARIC - list, based on the Combined Nomenclature (CN) description and code [Annex I to Council Regulation (EEC) No 2658/87] (the relevant descriptions and codes must be selected).		

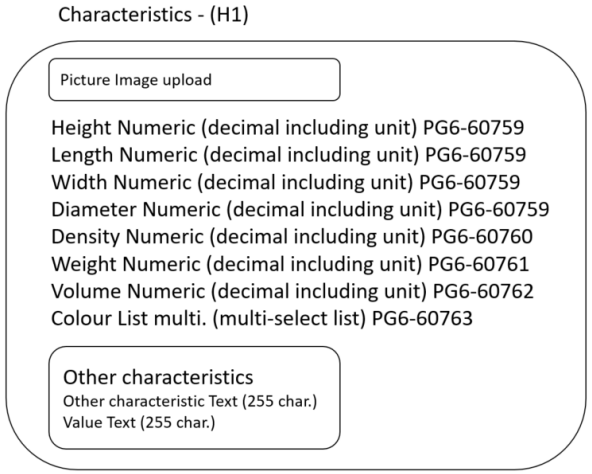
Field	Description	
Production in European Union	Type List (picklist)	This is a required field
Indication of whether or not the article has been produced or assembled in the European Union.This is selected from a set of pre-defined picklist values. Current allowed values are: yes; no; unwilling to disclose.		

```
<Categorisation>
    <ArticleCategory>
        <value>97868</value>
    </ArticleCategory>
    <EUProductionFlag>
        <value>2158</value>
    </EUProductionFlag>
</Categorisation>
```

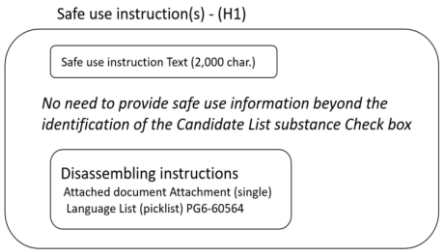
How to create Notification – **Article** Attributes (III)

Field	Description	
Picture Image upload	Files attachments	This is an optional field.
The picture facilitate and help to distinguish the reported article or complex object from similar articles or complex objects		
Height Numeric	Pick list	This is an optional field.
Indication of the measurement in m, cm, dm, mm		
Length Numeric	Pick list	This is an optional field.
Indication of the measurement in m, cm, dm, mm		
Width Numeric	Pick list	This is an optional field.
Indication of the measurement in m, cm, dm, mm		
Diameter Numeric	Pick list	This is an optional field.
Indication of the measurement in m, cm, dm, mm		
Density Numeric	Pick list	This is an optional field.
Indication of the measurement in kg/m3, kg/dm3, g/cm3		
Weight Numeric	Pick list	This is an optional field.
Indication of the measurement in t, kg, g, mg		
Volume Numeric	Pick list	This is an optional field.
Indication of the measurement in m3, dm3, cm3		
Colour	Pick List	This is an optional field.
Multiselect indication about the color of the Article.		

Field	Description	
Other characteristic type	Text (255 char.)	This is an optional field.
Other characteristics type facilitate and help to distinguish the reported article or complex object from similar articles or complex objects		
Other characteristic value	Text (255 char.)	This is an optional field.
Other characteristics value facilitate and help to distinguish the reported article or complex object from similar articles or complex objects		



How to create Notification – **Article** Attributes (IV)



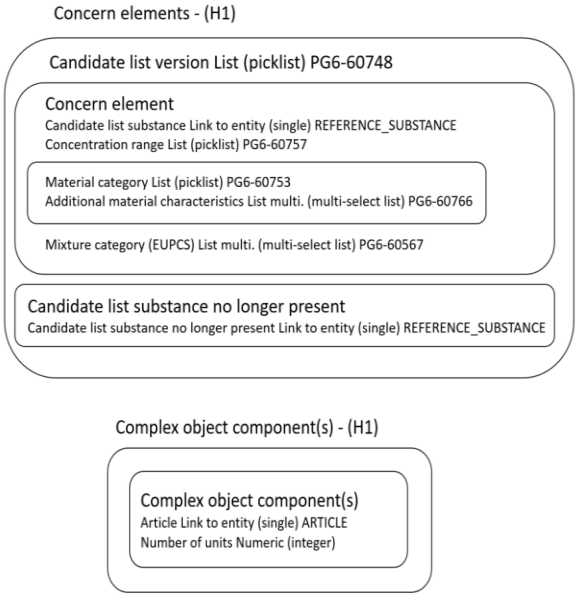
Field	Description	
Safe use instruction	Text field (2,000 char)	This is a required field
information to the user on how to use it safely.		
Disassembling instructions	PDF, Doc	This is an optional field.
Describe how to safely disassemble the article or the complex object.		
Instructions Language	Language List (picklist)	This is an optional field.
If an attachment is included in the notification the system require the identifiecation of the language of the attachment.		

Field	Description	
Article Link to (single) article	Article link	Required in complex object notifications.
The section allow the notifier to link components, these components can either be a complex object or an article as such. Add a link to an existing article or complex object or create a new article or a complex object to link with this complex object.		
Number of units	Integer	Required in complex object notifications.
The number included in this fields specifies the number of occurrences of the linked article in the complex object.		

```
<Characteristics>
    <Height>
        <unitCode>66312</unitCode>
        <value>20</value>
    </Height>
    <Length>
        <unitCode>66312</unitCode>
        <value>4</value>
    </Length>
</Characteristics>
<SafeUseInstructions>
    <NoSafeUseInstructions>true</NoSafeUseInstructions>
    <DisassemblingInstructionsList>
        <entry i6:uuid="85c5e26e-8ca7-4065-bf29-5a07a61644ef">
            <AttachedDocument>fe3359dd-35c5-45d6-a559-3c51face27b9/ec6cd6d4-c272-453d-8caf-d51e3577cb8d</AttachedDocument>
            <Language>
                <value>3615</value>
            </Language>
        </entry>
    </DisassemblingInstructionsList>
</SafeUseInstructions>
```

How to create Notification – **Article** Attributes (V)

Field	Description	
Candidate list version	Candidate list version List picklist	Required for an article as such notification.
The identification of the Candidate List substance version based on which the information on the article as such or complex object has been assessed against before being submitted to ECHA		
Candidate list substance	Link to Candidate List Substance	Required for an article as such notification.
A Reference substance is a single document used (in IUCLID) to define the identity of a Candidate List Substance.		
Concentration range	Concentration range (picklist)	Required for an article as such notification.
In this field the duty holder can select a concentration range of the Candidate List substance's presence in the article.		
Material category	Material category (picklist)	This is an optional field.
Identification of the material category of the article or the mixture category where the Candidate List substance is present. This information allows to identify where in the article the Candidate List substance is present.		
Additional material characteristics	Pick List (multi-select list)	This is an optional field.
The additional material characteristics field includes additional information that further describe the material that the article is made of, where Candidate List substance is present.		
Mixture category (EUPCS)	Pick List (multi-select list)	This is an optional field.
The mixture category describes the mixture (where the Candidate List substance is present) incorporated in an article. The identification of the mixture category is done using the European product categorisation system (EuPCS).		



At least one of these fields either material category or mixture category are required. The material category of the article describe the material where the Candidate List substance is present.

How to create Notification – **Article** Attributes (VI)

Candidate list substance no longer present	Link to Candidate List Substance	This is an optional field.

This section includes a field to describe that the article used to contain a substance but at the notification time that article does no loger contains this substance.

```
<ConcernElements>
    <CandidateListVersion>
        <value>66268</value>
    </CandidateListVersion>
    <ConcernElement>
        <entry i6:uuid="f327c4a9-f795-477f-8386-4317db715cbc">
            <CandidateListSubstanceLink>18ab7f95-5e1d-43ae-857c-d9ea5144a695/ec6cd6d4-c272-453d-8caf-d51e3577cb8d</CandidateListSubstanceLink>
            <ConcentrationRange>
                <value>66280</value>
            </ConcentrationRange>
            <MaterialCategories>
                <entry i6:uuid="c2370660-6b09-4eb7-af1b-e5a07dc5bd4e">
                    <MaterialCategory>
                        <value>66485</value>
                    </MaterialCategory>
                    <AdditionalMaterialCharacteristics>
                        <value>66644</value>
                    </AdditionalMaterialCharacteristics>
                </entry>
            </MaterialCategories>
            <MixtureCategoryEUPCS>
                <value>65052</value>
            </MixtureCategoryEUPCS>
        </entry>
    </ConcernElement>
</ConcernElements>
```

```
<ComplexObjectComponents>
    <ComplexObjectComponents>
        <entry i6:uuid="962092de-b255-4f00-a4f0-d1e9b2893290">
            <ArticleLink>497880f5-23e4-4545-a156-02ba9a5b22a4/ec6cd6d4-c272-453d-8caf-d51e3577cb8d</ArticleLink>
            <NumberOfUnits>1</NumberOfUnits>
        </entry>
        <entry i6:uuid="c61c2233-1922-4dc2-b897-c6b6beeb87a2">
            <ArticleLink>6620ea34-11ce-4848-915a-af4746e019dc/ec6cd6d4-c272-453d-8caf-d51e3577cb8d</ArticleLink>
            <NumberOfUnits>1</NumberOfUnits>
        </entry>
        <entry i6:uuid="1091e987-02ba-4470-80d6-01e7357fb228">
            <ArticleLink>ff9fbdde-355f-4c5e-bc3a-118a00b04343/ec6cd6d4-c272-453d-8caf-d51e3577cb8d</ArticleLink>
            <NumberOfUnits>1</NumberOfUnits>
        </entry>
    </ComplexObjectComponents>
</ComplexObjectComponents>
```

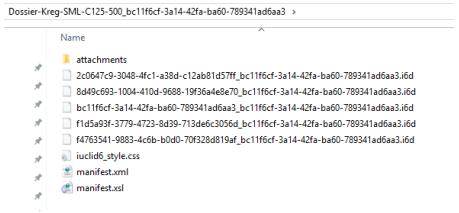
How to create Notification – **Candidate** List Substance (VII)

The steps to integrate necessary substance into your ARTICLE are:

a) Download the **.zip** package with all the Candidate List substances available in the i6z format for further manipulation and usage. (unzip)
   a) Identify the Candidate List substance of interest i6z. (unzip)
   b) Integrate into your dossier creation the identified i6d file

b) Download the **i6z** Master Article file. (unzip)
   a) Identify the Candidate List substance of interest i6d
   b) Integrate into your dossier creation the right i6d file

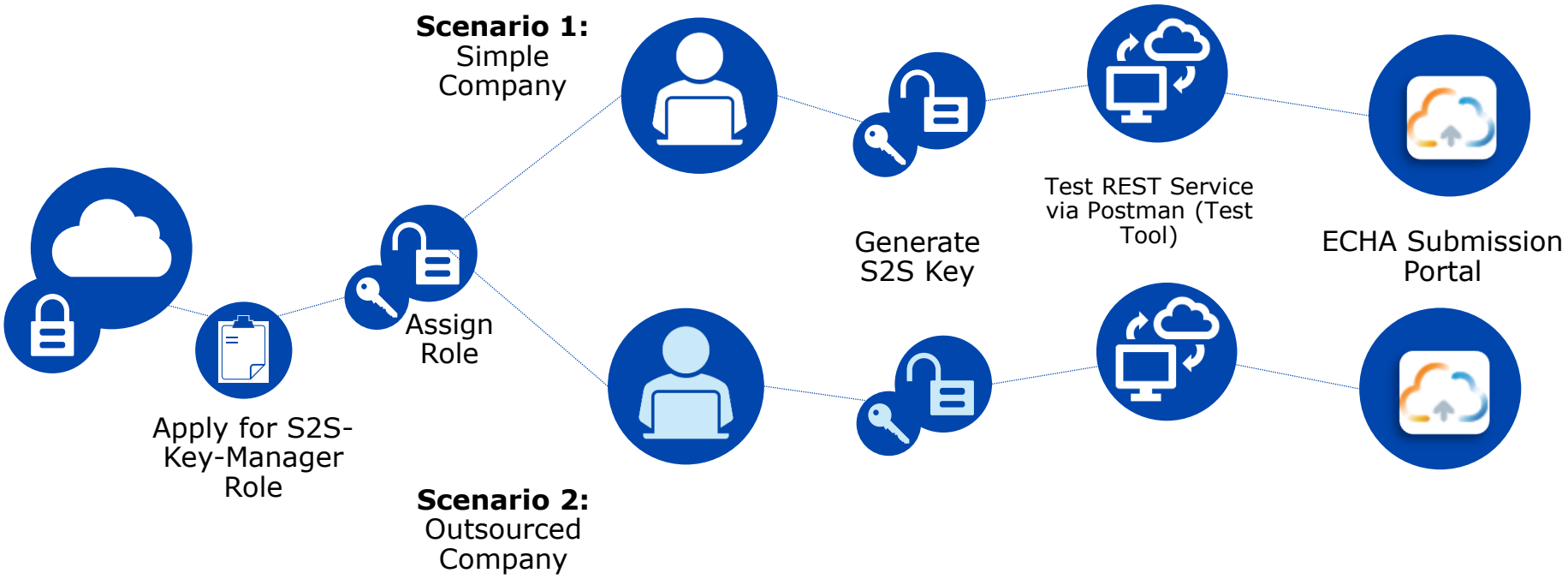
How to create Notification – **Candidate** List Substance (VIII)




```
SCiP_sde_cas_10325-94-7_ec_233-710-6_2c0647c9-3048-4fc1-a38d-c12ab81d57ff:
total 237
  4 d---------+ 1 u19248 mkpasswd     0 Feb 19 09:30 .
192 drwxr-xr-x+ 1 u19248 mkpasswd     0 Feb 19 09:31 ..
  4 ----------+ 1 u19248 mkpasswd  3296 Jan 27 12:52 2c0647c9-3048-4fc1-a38d-c12ab81d57ff_0.i6d
  1 ----------+ 1 u19248 mkpasswd   668 Jan 27 12:52 iuclid6_style.css
  4 ----------+ 1 u19248 mkpasswd  1464 Jan 27 12:52 manifest.xml
  4 ----------+ 1 u19248 mkpasswd  3514 Jan 27 12:52 manifest.xsl
 28 ----------+ 1 u19248 mkpasswd 25545 Jan 27 12:52 REFERENCE_SUBSTANCE.xsl
```


```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="REFERENCE_SUBSTANCE.xsl"?>
<i6c:Document xmlns:i6c="http://iuclid6.echa.europa.eu/namespaces/platform-container/v1" xmlns:xsi="http://www.w3.
 http://iuclid6.echa.europa.eu/namespaces/platform-container/v1 platform-container.xsd">
  <i6c:PlatformMetadata xmlns:i6m="http://iuclid6.echa.europa.eu/namespaces/platform-metadata/v1" xsi:schemaLocati
   platform-container.xsd">
    <i6m:iuclidVersion>6.4.0</i6m:iuclidVersion>
    <i6m:documentKey>2c0647c9-3048-4fc1-a38d-c12ab81d57ff/bc11f6cf-3a14-42fa-ba60-789341ad6aa3</i6m:documentKey>
    <i6m:parentDocumentKey/>
    <i6m:name>Cadmium nitrate</i6m:name>
    <i6m:documentType>REFERENCE_SUBSTANCE</i6m:documentType>
    <i6m:documentSubType/>
    <i6m:orderInSectionNo/>
    <i6m:definitionVersion>4.0</i6m:definitionVersion>
    <i6m:creationDate>2020-01-27T12:52:38Z</i6m:creationDate>
    <i6m:lastModificationDate>2020-01-27T12:52:38Z</i6m:lastModificationDate>
    <i6m:submissionType/>
    <i6m:submissionTypeVersion/>
    <i6m:submittingLegalEntity/>
    <i6m:dossierSubject/>
    <i6m:i5Origin>true</i6m:i5Origin>
    <i6m:creationTool>SCIP Context</i6m:creationTool>
    <i6m:snapshotCreationTool>IUC6</i6m:snapshotCreationTool>
  </i6c:PlatformMetadata>
  <i6c:Content>
    <REFERENCE_SUBSTANCE xmlns="http://iuclid6.echa.europa.eu/namespaces/REFERENCE_SUBSTANCE/4.0" xmlns:i6="http:/
      <GeneralInfo>
        <ReferenceSubstanceName>Cadmium nitrate</ReferenceSubstanceName>
      </GeneralInfo>
      <Inventory>
        <InventoryEntry>
          <entry>
            <i6:inventoryCode>EC</i6:inventoryCode>
            <i6:numberInInventory>233-710-6</i6:numberInInventory>
          </entry>
        </InventoryEntry>
      </Inventory>
      <ReferenceSubstanceInfo>
        <IupacName>Cadmium nitrate</IupacName>
        <Description>Candidate List Substance Direct entry</Description>
        <Synonyms>
          <entry i6:uuid="7f10cef6-0c76-4c25-b38f-f5f36f50ca73">
            <Identifier>
              <value>1342</value>
              <other>ECHA Substance ID</other>
            </Identifier>
            <Name>100.030.633</Name>
          </entry>
        </Synonyms>
        <CASInfo>
          <CASNumber>10325-94-7</CASNumber>
          <CASName>Nitric acid, cadmium salt (2:1)</CASName>
        </CASInfo>
      </ReferenceSubstanceInfo>
      <MolecularStructuralInfo>
        <MolecularFormula></MolecularFormula>
        <MolecularWeightRange/>
        <SmilesNotation></SmilesNotation>
        <InChl></InChl>
        <StructuralFormula></StructuralFormula>
      </MolecularStructuralInfo>
    </REFERENCE_SUBSTANCE>
```

How to **submit** Notification - Overview



How to **submit** Notification - Overview

Onboarding:

- ✓ Submit online contact form to get access to S2S key manager role
- ✓ System response after ½ day: Request is being processed
- ✓ S2S key manager role assignment and S2S key generation worked

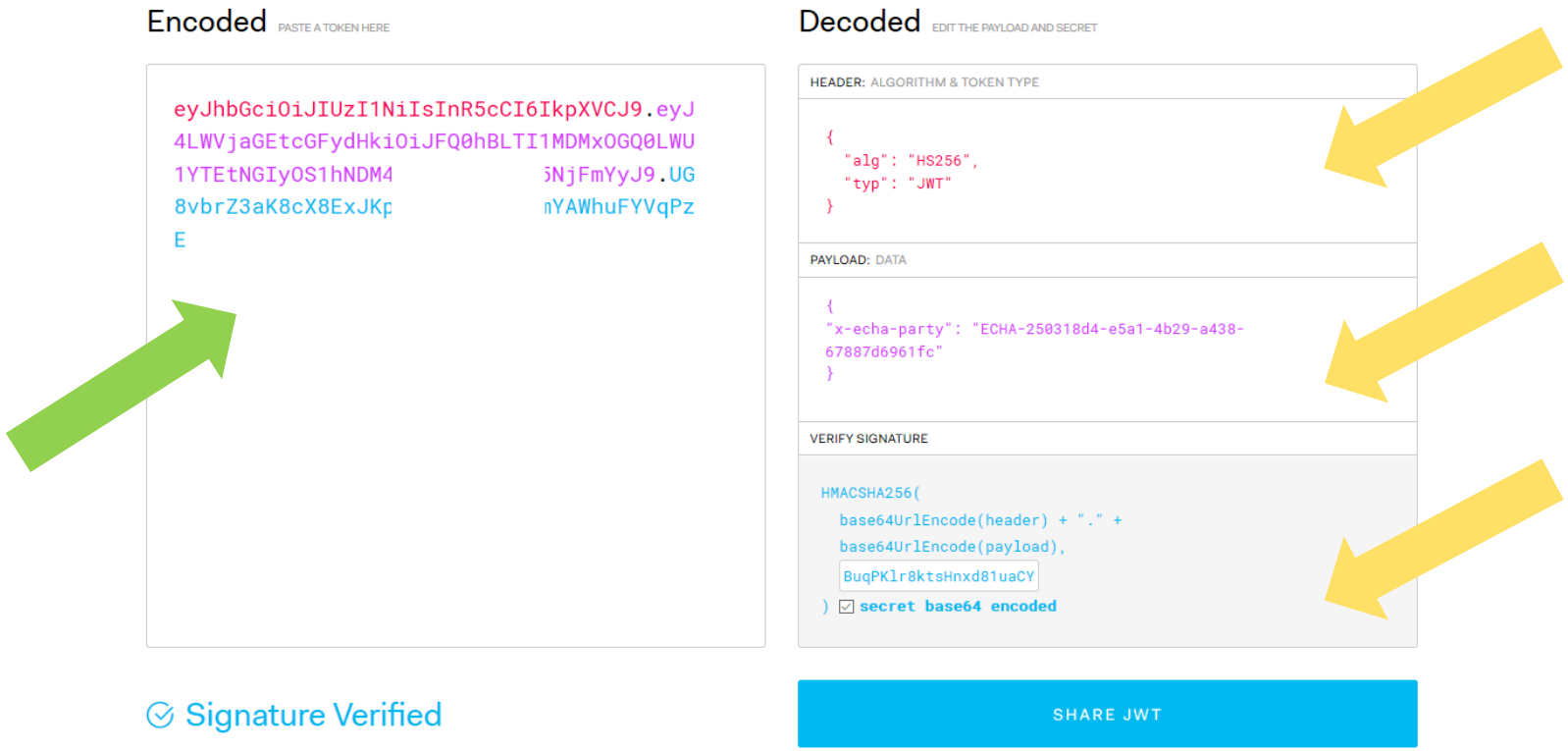
Consume REST Services:

- ✓ Connection to ECHA Submission Portal establishment
- ✓ Security model implementation
- ✓ REST services implementation
- ✓ “TEST mode” successfully used to send and get submission.
- ✓ Mapping Industry fields with SCIP attributes and formats
- ✓ “TEST mode” scenario(s) creation.

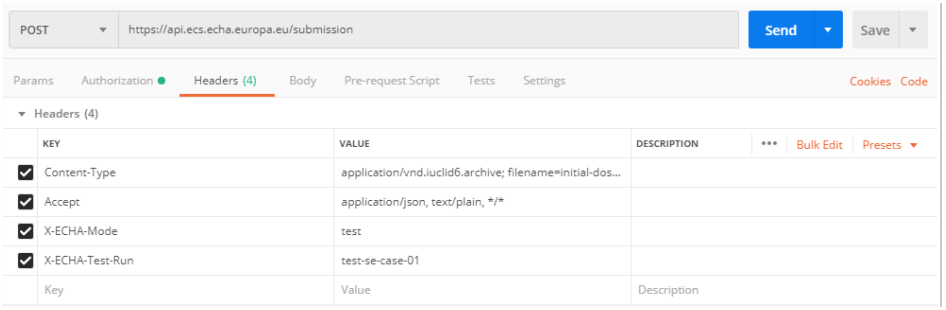
Documentation:

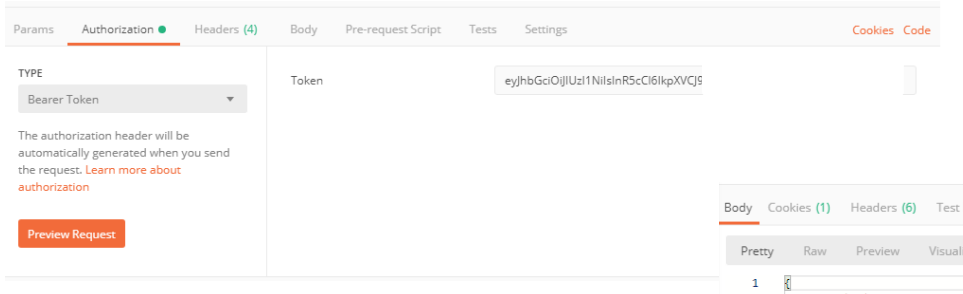
- ✓ ECHA tools
- ✓ S2S Integration
- ✓ SCIP Data Model
- ✓ SCIP Validation Rules description

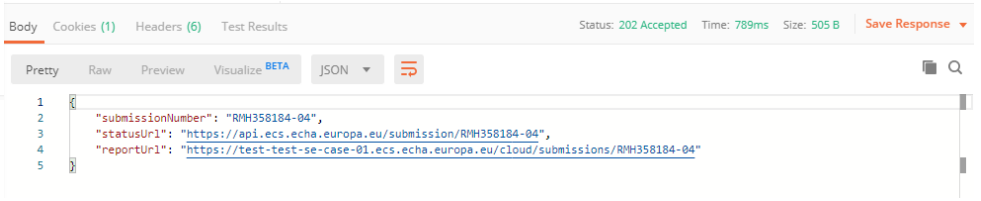
How to Authenticate - **JWT** Token



How to Authenticate - **Postman**







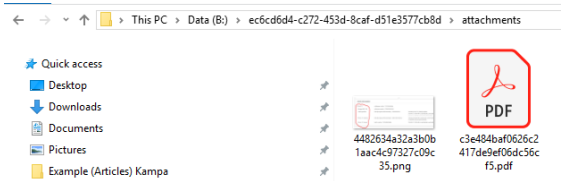
How to authenticate - **Bash**

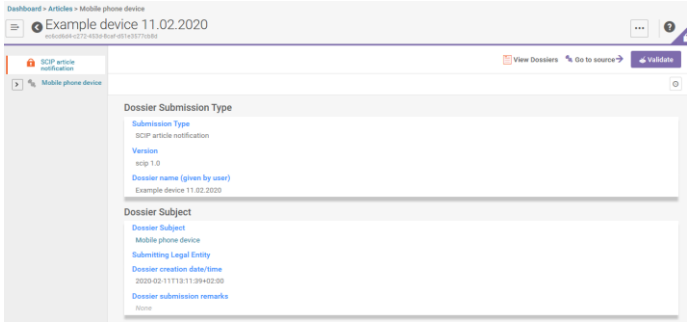
```
curl -s --request GET $(status_url) \
--header 'Accept: application/json, text/plain, */*' \
--header 'X-ECHA-Mode: test' \
--header 'X-ECHA-Test-Run: trial' \
--header 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ4LWVjaGEtcGFydHki
OiJFQ0hBLTI1MDMxOGQ0LWU1YTEtNGIyOS1hNDM4LTY3ODg3ZDY5NjFmY
yJ9.UG8vbrZ3aK8cX8ExJKpUeraTfo                    :')
```

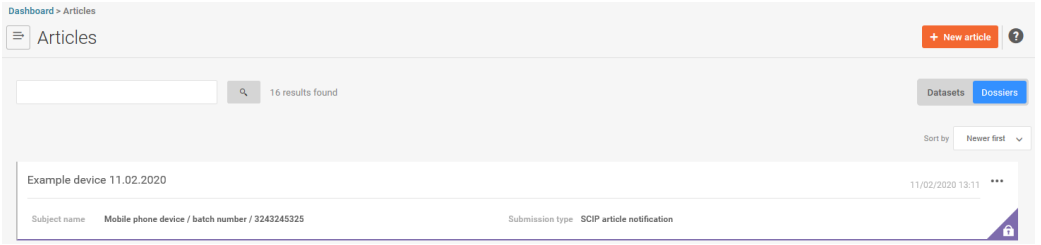
```
{
"error":"invalid_request"
"error_description":"Unable to read JSON value: {\"alg\":\"HS256\"\"typ\"5ZWT\"}“
}
Invalid operation mode: /*wrong test mode specified*/. Should be either set to 'test' or not set at all
```

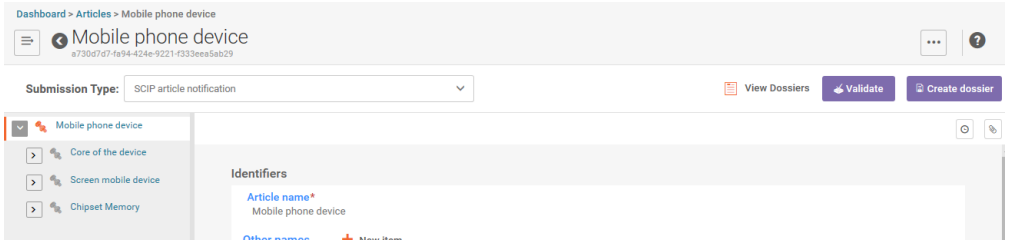
How to **build & submit** your first dossier example

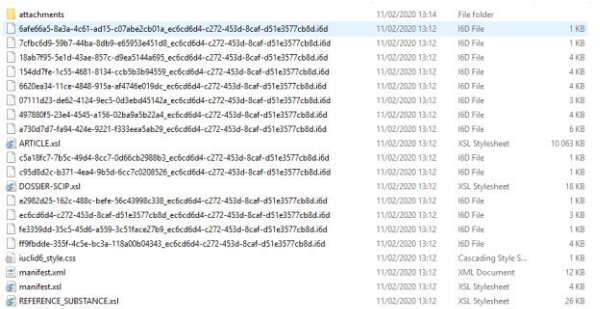
- Use IUCLID
- Extract i6z file and review the package
- Ask ECHA for additional examples



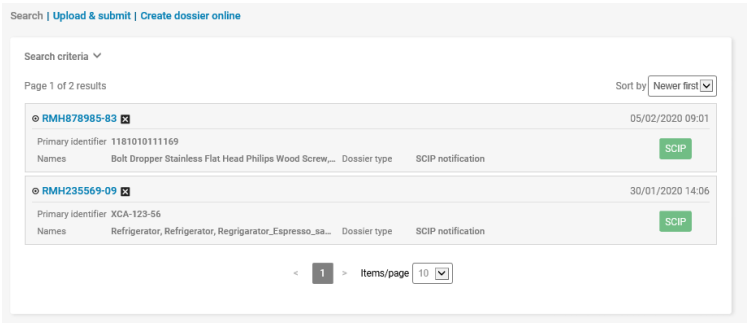


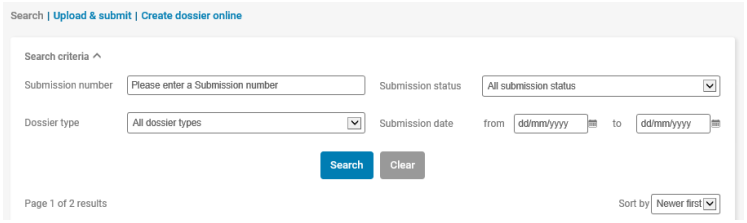


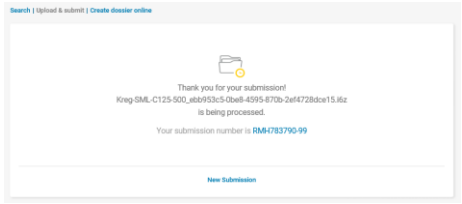


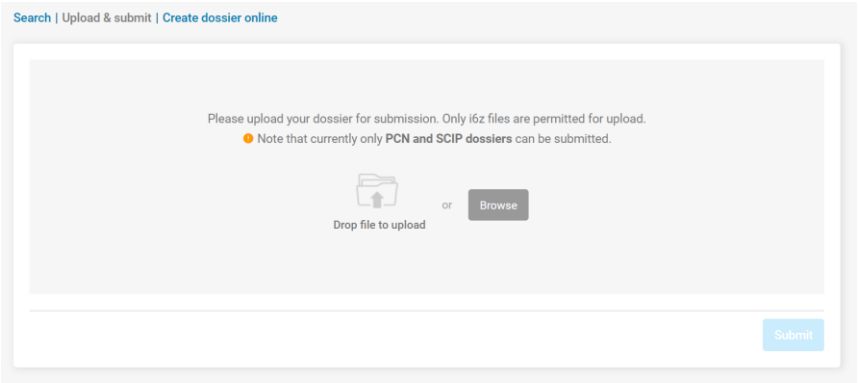


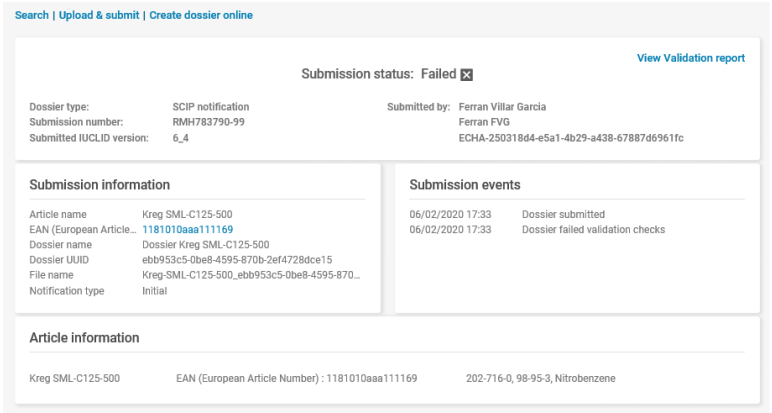
How to **submit** in Submission Portal











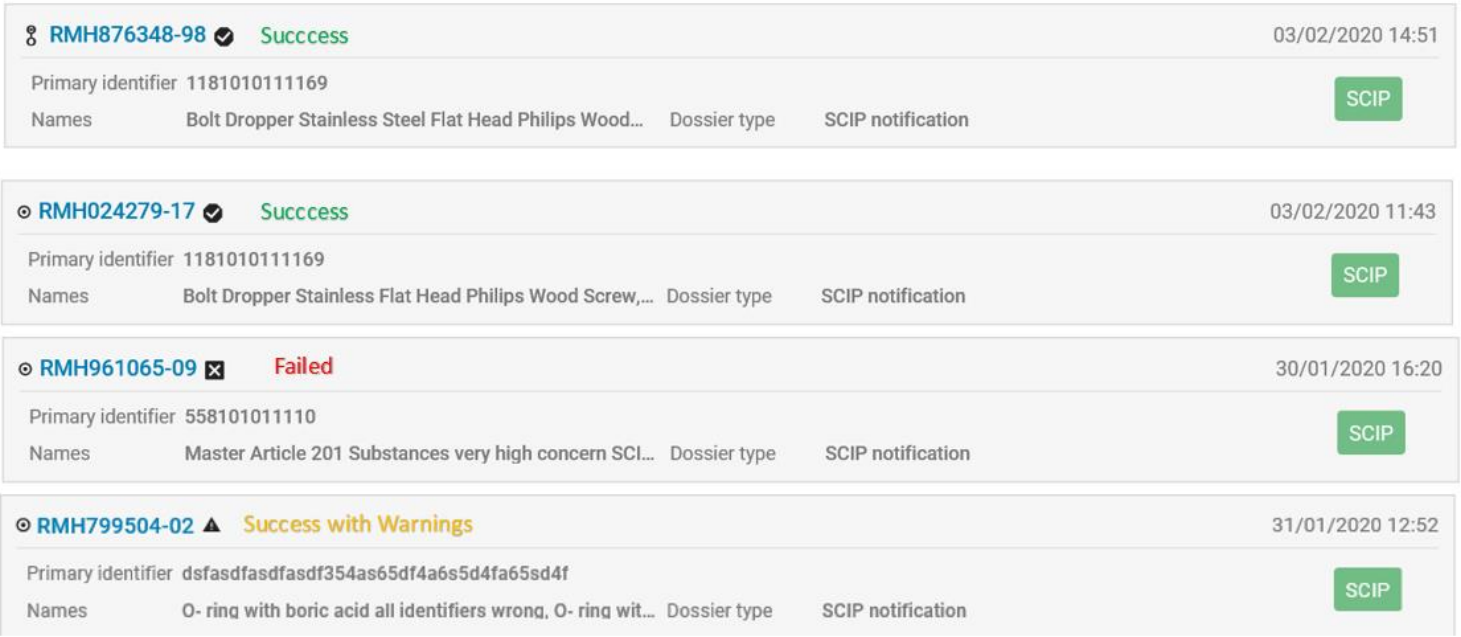
How to **submit** via S2S interface (I)

```
curl -s --location --upload-file $file
--request POST 'https://api.ecs.echa.europa.eu/submission' \
--header 'Content-Type: application/vnd.iuclid6.archive;
filename='$(file)'' \
--header 'Accept: application/json, text/plain, */*' \
--header 'X-ECHA-Mode: test' \
--header 'X-ECHA-Test-Run: trial' \
--header 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ4LWVjaGEtcGFydHkiOiJFQ0hBLTI1MDM
xOGQ0LWU1YTEtNGIyOS1hNDM4LTY3ODg3ZDY5NjFmYyJ9.UG8vbrZ3aK8cX8ExJKpUeraTfo
l1                ')
```

X-ECHA-Mode	X-ECHA-Test-Run	Testing phase/purpose
test	(absent)	Connectivity tests - no actual processing of the submitted file - dummy responses
test	(absent)	Authentication and authorisation tests - no actual processing of the submitted file - dummy responses
test	mycompanyid-001 (example)	Integration tests - actual processing of the submitted file - actual response
(absent)	(absent)	Production mode - actual processing of the submitted file - actual response - valid dossiers are dispatched - valid dossiers become available in Remote Access portal

```
{
"submissionNumber":"RMH655298-97"
"statusUrl":"https://api.ecs.echa.europa.eu/submission/RMH655298-97"
"reportUrl":"https://test-trial.ecs.echa.europa.eu/cloud/submissions/RMH655298-97"
}
```

How to **validate** Submission portal



How to **validate** via S2S interface (I)

```
curl -s --request GET $(status_url) \
--header 'Accept: application/json, text/plain, */*' \
--header 'X-ECHA-Mode: test' \
--header 'X-ECHA-Test-Run: trial' \
--header 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ4LWVjaGEtcGFydHki
OiJFQ0hBLTI1MDMxOGQ0LWU1YTEtNGIyOS1hNDM4LTY3ODg3ZDY5NjFmY
yJ9.UG8vbrZ3aK8cX8ExJKpUeraTfol                    :')
```

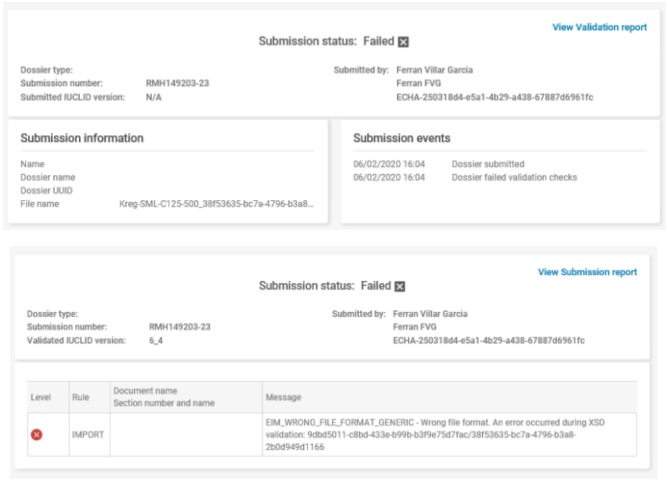
status	The submission status of this submission, i.e. - PENDING indicates that the submission is still being processed by the server, - VALIDATION_SUCCEEDED indicates that the submission has passed successfully the validation checks (although it may have failed some quality rules) and will be dispatched to the target market areas - VALIDATION_FAILED indicates that the submission has failed the validation checks (i.e. at least one submission rule has failed) and as a result of it the submitted dossier will not be dispatched to the target market areas.	Yes


```
{
"submissionNumber":"RMH220672-24"
"status":"VALIDATION_SUCCEEDED"
"submissionDate":"2020-02-05T09:03:37.700382+02:00"
"dossierUuid":"f8277075-c672-430f-9009-ca5a4dddc8d2"
"filename":"Bolt-Dropper-Stainless-Steel-Flat-Head-Philips-Wood-Screw_f8277075-c672-430f-9009-ca5a4dddc8d2.i6z"
"refType":"Primary article identifier value"
"refValue":"1181010111169"
"validations":[]
"reportUrl":"https://test-trial.ecs.echa.europa.eu/cloud/submissions/RMH220672-24"
}
```

How to **validate** via S2S interface (II)

```
<SafeUseInstructions>
    <NoSafeUseInstructions></NoSafeUseInstructions>
    <DisassemblingInstructionsList>
        <entry i6:uuid="476686c9-04bc-45fb-af1b-634b0c7af035">
            <AttachedDocument>8b7e18a4-c670-4759-8b3f-983e7300c73c/b6b60293-cb98-4b61-b21c-7bc68183788e</AttachedDocument>
            <Language>
                <value>3617</value>
            </Language>
        </entry>
    </DisassemblingInstructionsList>
</SafeUseInstructions>
<ComplexObjectComponents>
```

```
curl -s --request GET $(status_url) \
--header 'Accept: application/json, text/plain, */*' \
--header 'X-ECHA-Mode: test' \
--header 'X-ECHA-Test-Run: trial' \
--header 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ4LWVjaGEtcGFydHki
OiJFQ0hBLTI1MDMxOGQ0LWU1YTEtNGIyOS1hNDM4LTY3ODg3ZDY5NjFmY
yJ9.UG8vbrZ3aK8cX8ExJKpUeraTfol                    :')
```




```
{
"submissionNumber":"RMH181211-35"
"status":"VALIDATION_FAILED"
"submissionDate":"2020-02-06T16:02:29.230234+02:00"
"filename":"FastenMaster-FMGD003-75_a3918774-1f47-4a90-b5f9-ea20908a75d9.i6z"
"refType":""
"validations":[{"level":"FAIL"
"code":"IMPORT"
"context":""}]
"reportUrl":"https://test-trial.ecs.echa.europa.eu/cloud/submissions/RMH181211-35"
}
```

Supporting documentation

- SCIP and ECOMOD Documentation
  - → *Preparing an SCIP Dossier guidelines*
  - → *Developers Guide for IUCLID*

- S2S Documentation
  - → *How to join ECHA's System-to-System integration service*
  - → *System-to-System submission for industry*
  - → *Description document (swagger.json)*

- SCIP Data Model
- SCIP Validation Rules description

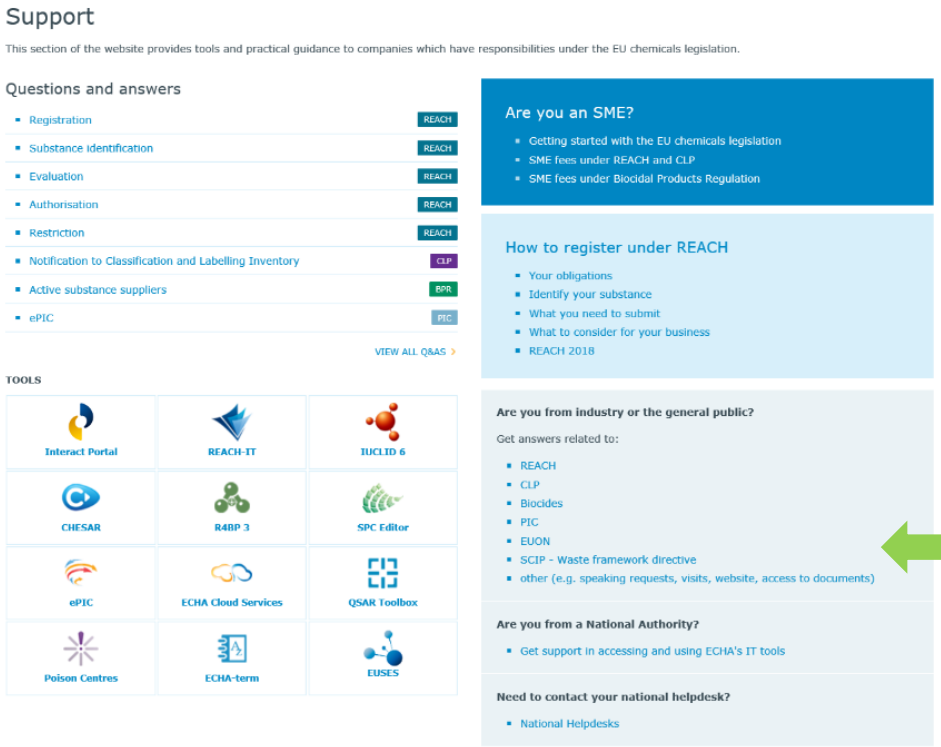
Supporting documentation

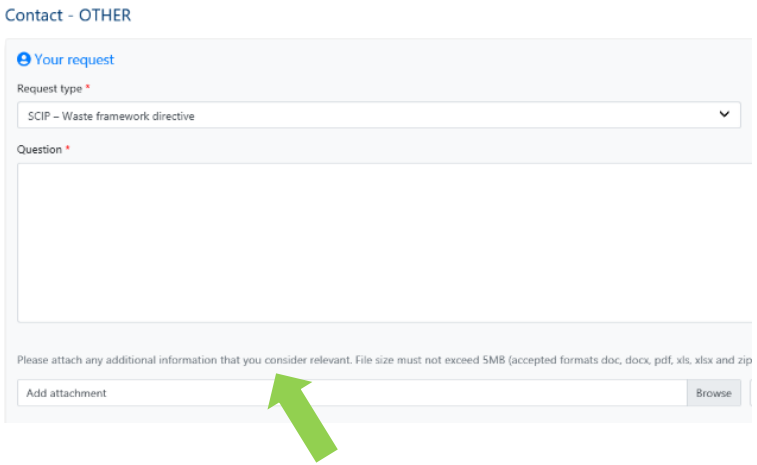
https://echa.europa.eu/scip-database

Supporting documentation

Requesting access or information via ECHA website

https://echa.europa.eu/support





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