**ULIP Integration Requirement Document**

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Project Name: ULIP

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Revision History

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# Introduction

## Purpose

The purpose of this document is to define and provide details for accessing API for Vessel Import export information using VCN number, boe number, Shipping bill number from ULIP system.

This document details the following points:

1. **Data Integration between PCS and ULIP web service**: Identification of operational points where data integration between PCS and ULIP web service will be needed.
2. **Technical Approach** for performing Data Integration

# The Overall Description

User will share the information such as **IGM number, BOE number** and **shipping bill number** based on data send by user ULIP system will call respective **PCS API** for accessing information.

Following are the point for accessing vessel information:

1. This API will share vessel information and import and export data based on information provided by user.
2. ULIP will expose API for getting data from PCS API.
3. **PCS/01** API will take **IGM Number** and **interface Name** from user and get data from PCS API.
4. **PCS/02** API will take **Shipping bill number** and **interface Name** from user and get data from PCS API.
5. **PCS/03** API will take **Shipping bill number** and **interface Name** from user and get data from PCS API.
6. **PCS/04** API will take **BOE number** and **interface Name** from user and get data from PCS API.
7. **PCS/05** API will take **BOE number** and **interface Name** from user and get data from PCS API.
8. **PCS/06** API will take **Message Identifier and message name** from user and get data from PCS API.

## Data Integration **between** PCS System and ULIP application

User will share information to ULIP system based on data shared ULIP will provide data to user.

## PCS/01

This API will take below details and connect with PCS API to get data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Field Name** | **Field Description** | **Format** | **Required/Not – Required** | **Length** |
| 1 | **interfaceName** | The interface name in the PCS system | \bCHPOI03\b | Required | 7 |
| 2 | **igmNumber** | IGM number present in PCS system | [0-9]{1,10} | Required | Min 1 Max 10 |

### Technical Approach

1. All the data will be shared through rest web services.
2. ULIP system will provide **IGM number and interface name** for which detail is required.
3. We have to send secret key with header.
4. PCS API will share information which exist in PCS system in JSON format.
5. PCS Integration will add JSON in **response** key in response body.
6. ULIP system will provide the data in JSON Object format in response body.

**Example:**

IGM Number **2272354** and interface name **CHPOI03** is shared by ULIP system, then PCS-integration will make a request to PCS API.

**Request:**

The request must be of the following format, where IGM number and interface name is passed within the URL parameters in JSON format.

**https://www.ulip.dpiit.gov.in/ulip/v1.0.0/PCS/01**

**Curl URL**

curl --location --request POST 'https://www.ulip.dpiit.gov.in/ulip/v1.0.0/PCS/01' \

--header 'Authorization: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyOTM1NDAzMCwiYXBwcyI6ImRhdGFwdXNoIn0.Fkq6c6RtsrQQZARkCu5WwJ5wY57anDDH-g8kGP8inyhaQmuvlysuFeb7ok0te2pFlu1j1m1QcS7Ly6ZnQaEPzg' \

--header 'Accept: application/json' \

--header 'Content-Type: application/json' \

--data-raw '{

"interfaceName":"CHPOI03",

"igmNumber": "2272354"

}'

For obtaining secret key, refer [Section 1.9](#_Data_Transmission_&)

**Response**

To acknowledge the above request, ULIP will send the below response -

1. **In case of invalid format**
2. **Invalid igm number**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: igmNumber. Format should follow [0-9]{1,10}"

}

1. **Invalid interface name**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: interfaceName. Format should follow \\bCHPOI03\\b"}

1. **In case of IGM number not exist in PCS system**

{

"response": [

{

"response": [

{

"custom\_house\_code": null,

"igm\_no": null,

"igm\_date": null,

"voyage\_no": null,

"shipping\_line\_code": null,

"shipping\_agent\_code": null,

"port\_of\_arrival": null,

"expected\_date\_and\_time\_of\_arrival": null,

"terminal\_operator\_code": null,

"cargo\_imo\_code": null,

"line\_no": null,

"sub\_line\_no": null,

"bill\_no": null,

"bill\_date": null,

"port\_of\_loading": null,

"port\_of\_destination": null,

"nature\_of\_cargo": null,

"port\_of\_discharge": null,

"grossWeight": null,

"number\_of\_packages": null,

"goods\_description": null,

"mode\_of\_transport": null,

"container\_no": null,

"line\_number": null,

"sub\_line\_number": null,

"container\_seal\_no": null,

"total\_no\_of\_packages": null,

"container\_weight": null,

"iso\_code": null,

"responseMsg": "not found"

}

],

"responseStatus": "SUCCESS"

}

],

"error": "false",

"code": "200",

"message": "Success"

}

1. **In case IGM number exist**

****

**Status Code 200**: vessel data response

**Status Code 400**: Bad request (Invalid JSON syntax, invalid JSON key)

**Status Code 401 or 403**: Unauthenticated or Unauthorized

**Status Code 500**: Some internal server error occurred

**Status Code 502**: Server is not responding.

## PCS/02

This API will take below details and connect with PCS API to get data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Field Name** | **Field Description** | **Format** | **Required/Not – Required** | **Length** |
| 1 | **interfaceName** | The interface name in the PCS system | \bCHPOE05\b | Required | 7 |
| 2 | **sbNumber** | SB number present in PCS system | [0-9]{1,10} | Required | Min 1 Max 10 |

### Technical Approach

1. All the data will be shared through rest web services.
2. ULIP system will provide **SB number and interface name** for which detail is required.
3. We have to send secret key with header.
4. PCS API will share information which exist in PCS system in JSON format.
5. PCS Integration will add JSON in **response** key in response body.
6. ULIP system will provide the data in JSON Object format in response body.

**Example:**

SB Number **7005705** and interface name **CHPOE05** is shared by ULIP system, then PCS-integration will make a request to PCS API.

**Request:**

The request must be of the following format, where SB number and interface name is passed within the URL parameters in JSON format.

**https://www.ulip.dpiit.gov.in/ulip/v1.0.0/PCS/02**

**Curl URL**

curl --location --request POST

'http://www.ldbstaging.co.in/ulip/v1.0.0/PCS/02' \

--header 'Authorization: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyOTM1NDAzMCwiYXBwcyI6ImRhdGFwdXNoIn0.Fkq6c6RtsrQQZARkCu5WwJ5wY57anDDH-g8kGP8inyhaQmuvlysuFeb7ok0te2pFlu1j1m1QcS7Ly6ZnQaEPzg' \

--header 'Accept: application/json' \

--header 'Content-Type: application/json' \

--data-raw '{

"interfaceName":"CHPOE05",

"sbNumber": "7005705"

}'

For obtaining secret key, refer [Section 1.9](#_Data_Transmission_&)

**Response**

To acknowledge the above request, ULIP will send the below response -

1. **In case of invalid format**
2. **Invalid sb number**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: sbNumber. Format should follow [0-9]{1,10}"

}

1. **Invalid interface name**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: interfaceName. Format should follow \\bCHPOE05\\b"

}

1. **In case of IGM number not exist in PCS system**

{

"response": [

{

"response": [

{

"sbNo": null,

"sbDate": null,

"natureOfCargo": null,

"grossQuantity": null,

"unitOfQuantity": null,

"totalNoOfPackages": null,

"portOfDestination": null,

"portOfOrigin": null,

"responseMsg": "not found"

}

],

"responseStatus": "SUCCESS"

}

],

"error": "false",

"code": "200",

"message": "Success"

}

1. **In case IGM number exist**

{

"response": [

{

"response": [

{

"sbNo": "7005705",

"sbDate": "05122020",

"natureOfCargo": "A",

"grossQuantity": 6547.0,

"unitOfQuantity": "KGS",

"totalNoOfPackages": "415",

"portOfDestination": "PLGDY",

"portOfOrigin": "INMUN1",

"responseMsg": "SUCCESS"

}

],

"responseStatus": "SUCCESS"

}

],

"error": "false",

"code": "200",

"message": "Success"

}

**Status Code 200**: vessel data response

**Status Code 400**: Bad request (Invalid JSON syntax, invalid JSON key)

**Status Code 401 or 403**: Unauthenticated or Unauthorized

**Status Code 500**: Some internal server error occurred

**Status Code 502**: Server is not responding.

## PCS/03

This API will take below details and connect with PCS API to get data..

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Field Name** | **Field Description** | **Format** | **Required/Not – Required** | **Length** |
| 1 | **interfaceName** | The interface name in the PCS system | \bCHPOE07\b | Required | 7 |
| 2 | **sbNumber** | SB number present in PCS system | [0-9]{1,10} | Required | Min 1 Max 10 |

### Technical Approach

1. All the data will be shared through rest web services.
2. ULIP system will provide **SB number and interface name** for which detail is required.
3. We have to send secret key with header.
4. PCS API will share information which exist in PCS system in JSON format.
5. PCS Integration will add JSON in **response** key in response body.
6. ULIP system will provide the data in JSON Object format in response body.

**Example:**

SB Number **7005705** and interface name **CHPOE07** is shared by ULIP system, then PCS-integration will make a request to PCS API.

**Request:**

The request must be of the following format, where SB number and interface name is passed within the URL parameters in JSON format.

**https://www.ulip.dpiit.gov.in/ulip/v1.0.0/PCS/03**

**Curl URL**

curl --location --request POST

'http://www.ldbstaging.co.in /ulip/v1.0.0/PCS/03' \

--header 'Authorization: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyOTM1NDAzMCwiYXBwcyI6ImRhdGFwdXNoIn0.Fkq6c6RtsrQQZARkCu5WwJ5wY57anDDH-g8kGP8inyhaQmuvlysuFeb7ok0te2pFlu1j1m1QcS7Ly6ZnQaEPzg' \

--header 'Accept: application/json' \

--header 'Content-Type: application/json' \

--data-raw '{

"interfaceName":"CHPOE05",

"sbNumber": "7005705"

}'

For obtaining secret key, refer [Section 1.9](#_Data_Transmission_&)

**Response**

To acknowledge the above request, ULIP will send the below response -

1. **In case of invalid format**
2. **Invalid sb number**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: sbNumber. Format should follow [0-9]{1,10}"

}

1. **Invalid interface name**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: interfaceName. Format should follow \\bCHPOE07\\b"

}

1. **In case of IGM number not exist in PCS system**

{

"response": [

{

"response": [

{

"sbNo": null,

"sbDate": null,

"natureOfCargo": null,

"grossQuantity": null,

"unitOfQuantity": null,

"totalNoOfPackages": null,

"portOfDestination": null,

"portOfOrigin": null,

"responseMsg": "not found"

}

],

"responseStatus": "SUCCESS"

}

],

"error": "false",

"code": "200",

"message": "Success"

}

1. **In case IGM number exist**

{

"response": [

{

"response": [

{

"sbNumber": "7005705",

"sbDate": "05122020",

"rotationNo": "206605",

"rotationDate": "26102020",

"leoDate": "09122020",

"natureOfCargo": "C",

"responseMsg": "SUCCESS"

}

],

"responseStatus": "SUCCESS"

}

],

"error": "false",

"code": "200",

"message": "Success"

}

**Status Code 200**: vessel data response

**Status Code 400**: Bad request (Invalid JSON syntax, invalid JSON key)

**Status Code 401 or 403**: Unauthenticated or Unauthorized

**Status Code 500**: Some internal server error occurred

**Status Code 502**: Server is not responding.

## PCS/04

This API will take below details and connect with PCS API to get data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Field Name** | **Field Description** | **Format** | **Required/Not – Required** | **Length** |
| 1 | **interfaceName** | The interface name in the PCS system | \bCHPOI09\b | Required | 7 |
| 2 | **boeNumber** | SB number present in PCS system | [0-9]{1,10} | Required | Min 1 Max 10 |

### Technical Approach

1. All the data will be shared through rest web services.
2. ULIP system will provide **BOE number and interface name** for which detail is required.
3. We have to send secret key with header.
4. PCS API will share information which exist in PCS system in JSON format.
5. PCS Integration will add JSON in **response** key in response body.
6. ULIP system will provide the data in JSON Object format in response body.

**Example:**

BOE Number **2159404** and interface name **CHPOI09** is shared by ULIP system, then PCS-integration will make a request to PCS API.

**Request:**

The request must be of the following format, where SB number and interface name is passed within the URL parameters in JSON format.

**https://www.ulip.dpiit.gov.in/ulip/v1.0.0/PCS/04**

**Curl URL**

curl --location --request POST

'http://www.ldbstaging.co.in/ulip/v1.0.0/PCS/04' \

--header 'Authorization: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyOTM2MDk4MSwiYXBwcyI6ImRhdGFwdXNoIn0.fs56\_-xeGND\_d8OyRqomxrsBmbY9A4u8QtaoGs469YdQa\_P5JC6kamKwuxwWbQkNX5WGe4WN9W88ptHfoFM3OA' \

--header 'Accept: application/json' \

--header 'Content-Type: application/json' \

--data-raw '{

"interfaceName":"CHPOI09",

"boeNumber": "2159404"

}'

For obtaining secret key, refer [Section 1.9](#_Data_Transmission_&)

**Response**

To acknowledge the above request, ULIP will send the below response -

1. **In case of invalid format**
2. **Invalid boe number**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: boeNumber. Format should follow [0-9]{1,10}"

}

1. **Invalid interface name**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: interfaceName. Format should follow \\bCHOI09\\b"

}

1. **In case of IGM number not exist in PCS system**

{

"response": [

{

"response": [

{

"customHouseCode": null,

"igmDate": null,

"lineNo": null,

"sublineNo": null,

"billOfEntryNo": null,

"billOfEntryDate": null,

"chaCode": null,

"natureOfCargo": null,

"grossWeight": null,

"unitOfQuantity": null,

"numberOfPackages": null,

"countryOfOrigin": null,

"line\_number": null,

"sub\_line\_number": null,

"container\_no": null,

"items\_IgmNo": null,

"items\_IgmDate": null,

"items\_line\_number": null,

"items\_sub\_line\_number": null,

"items\_BillOfEntryNo": null,

"items\_BillOfEntryDate": null,

"responseMsg": "not found"

}

],

"responseStatus": "SUCCESS"

}

],

"error": "false",

"code": "200",

"message": "Success"

}

1. **In case IGM number exist**



**Status Code 200**: vessel data response

**Status Code 400**: Bad request (Invalid JSON syntax, invalid JSON key)

**Status Code 401 or 403**: Unauthenticated or Unauthorized

**Status Code 500**: Some internal server error occurred

**Status Code 502**: Server is not responding.

## PCS/05

This API will take below details and connect with PCS API to get data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Field Name** | **Field Description** | **Format** | **Required/Not – Required** | **Length** |
| 1 | **interfaceName** | The interface name in the PCS system | \bCHPOI10\b | Required | 7 |
| 2 | **boeNumber** | SB number present in PCS system | [0-9]{1,10} | Required | Min 1 Max 10 |

### Technical Approach

1. All the data will be shared through rest web services.
2. ULIP system will provide **BOE number and interface name** for which detail is required.
3. We have to send secret key with header.
4. PCS API will share information which exist in PCS system in JSON format.
5. PCS Integration will add JSON in **response** key in response body.
6. ULIP system will provide the data in JSON Object format in response body.

**Example:**

BOE Number **2219940** and interface name **CHPOI10** is shared by ULIP system, then PCS-integration will make a request to PCS API.

**Request:**

The request must be of the following format, where SB number and interface name is passed within the URL parameters in JSON format.

**https://www.ulip.dpiit.gov.in/ulip/v1.0.0/PCS/05**

**Curl URL**

curl --location --request POST

'http://www.ldbstaging.co.in/ulip/v1.0.0/PCS/05' \

--header 'Authorization: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyOTM2MDk4MSwiYXBwcyI6ImRhdGFwdXNoIn0.fs56\_-xeGND\_d8OyRqomxrsBmbY9A4u8QtaoGs469YdQa\_P5JC6kamKwuxwWbQkNX5WGe4WN9W88ptHfoFM3OA' \

--header 'Accept: application/json' \

--header 'Content-Type: application/json' \

--data-raw '{

"interfaceName":"CHPOI10",

"boeNumber": "2219940"

}'

For obtaining secret key, refer [Section 1.9](#_Data_Transmission_&)

**Response**

To acknowledge the above request, ULIP will send the below response -

1. **In case of invalid format**
2. **Invalid boe number**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: boeNumber. Format should follow [0-9]{1,10}"

}

1. **Invalid interface name**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: interfaceName. Format should follow \\bCHOI09\\b"

}

1. **In case of boe number not exist in PCS system**

{

"response": [

{

"response": [

{

"customHouseCode": null,

"igmNo": null,

"igmDate": null,

"lineNo": null,

"subLineNo": null,

"billOfEntryNo": null,

"billOfEntryDate": null,

"chaCode": null,

"natureOfCargo": null,

"unitOfQuantity": null,

"numberOfPackages": null,

"countryOfOrigin": null,

"out\_of\_charge\_date": null,

"out\_of\_charge\_no": null,

"line\_number": null,

"sub\_line\_number": null,

"container\_no": null,

"items\_CustomHouseCode": null,

"items\_IgmNo": null,

"items\_IgmDate": null,

"items\_LineNumber": null,

"items\_SubLineNo": null,

"items\_BillOfEntryNo": null,

"items\_BillOfEntryDate": null,

"responseMsg": "not found"

}

],

"responseStatus": "SUCCESS"

}

],

"error": "false",

"code": "200",

"message": "Success"

}

1. **In case BOE number exist**



**Status Code 200**: vessel data response

**Status Code 400**: Bad request (Invalid JSON syntax, invalid JSON key)

**Status Code 401 or 403**: Unauthenticated or Unauthorized

**Status Code 500**: Some internal server error occurred

**Status Code 502**: Server is not responding.

## PCS/06

This API will take below details and connect with PCS API to get data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Field Name** | **Field Description** | **Format** | **Required/Not – Required** | **Length** |
| 1 | **MSG\_NAME** | The interface name in the PCS system | ^[a-zA-Z0-9]{1,12}$ | Required | Min 1  Max 12 |
| 2 | **MSG\_IDENTIFIER** | SB number present in PCS system | ^[a-zA-Z0-9]{1,20}$ | Required | Min 1 Max 20 |

### Technical Approach

1. All the data will be shared through rest web services.
2. ULIP system will provide **Message Identifier and message name** for which detail is required.
3. We have to send secret key with header.
4. PCS API will share information which exist in PCS system in JSON format.
5. PCS Integration will add JSON in **response** key in response body.
6. ULIP system will provide the data in JSON Object format in response body.

**Example:**

Message Name and interface name is shared by ULIP system, then PCS-integration will make a request to PCS API.

**Request:**

The request must be of the following format, where SB number and interface name is passed within the URL parameters in JSON format.

**https://www.ulip.dpiit.gov.in/ulip/v1.0.0/PCS/06**

**Curl URL**

curl --location --request POST

'http://www.ldbstaging.co.in/ulip/v1.0.0/PCS/06' \

--header 'Authorization: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyOTM2MDk4MSwiYXBwcyI6ImRhdGFwdXNoIn0.fs56\_-xeGND\_d8OyRqomxrsBmbY9A4u8QtaoGs469YdQa\_P5JC6kamKwuxwWbQkNX5WGe4WN9W88ptHfoFM3OA' \

--header 'Accept: application/json' \

--header 'Content-Type: application/json' \

--data-raw ' {

"MSG\_IDENTIFIER": "2240887",

"MSG\_NAME":"COARRI"

}'

For obtaining secret key, refer [Section 1.9](#_Data_Transmission_&)

**Response**

To acknowledge the above request, ULIP will send the below response -

1. **In case of invalid format**
2. **Invalid MSG\_NAME**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: MSG\_NAME. Format should follow ^[a-zA-Z0-9]{1,12}$"

}

1. **Invalid MSG\_IDENTIFIER**

{

"response": null,

"error": "true",

"code": "400",

"message": "Data format failed OR wrong value entered at: MSG\_IDENTIFIER. Format should follow ^[a-zA-Z0-9]{1,20}$"

}

1. **In case of MSG\_IDENTIFIER number not exist in PCS system**

{

"response": [

{

"response": {

"Remarks": "Failure"

},

"responseStatus": "SUCCESS"

}

],

"error": "false",

"code": "200",

"message": "Success"

}

1. **In case MSG\_IDENTIFIER exist**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **MSG\_NAME** | **MSG\_IDENTIFIER** | **MSG\_IDENTIFIER type** | **Response** |
| 1 | **VESPRO** | 5540000 | IMO Number |  |
| 2 | **COARRI** | 2240887 | IGM Number |  |
| 3 | **CALINV** | 5540021 | IMO Number |  |
| 4 | **VESDEP** | INBOM120210085 | VCN Number |  |
| 5 | **EICREP** | PCVUJK86441 | Container Number |  |
| 6 | **AGDORD** | AOPK9 | BL Number |  |
| 7 | **ETAETD** | INPRT120210044 | VCN Number |  |
| 8 | **CHPOI13** | KOCU4351870 | Container Number |  |
| 9 | **CHSAE02** | INCCU120210007 | VCN Number |  |
| 10 | **CODECO** | TRHU2911833 | Container Number |  |
| 11 | **GOCOFR** | INMAA120210438 | VCN Number |  |

**Status Code 200**: vessel data response

**Status Code 400**: Bad request (Invalid JSON syntax, invalid JSON key)

**Status Code 401 or 403**: Unauthenticated or Unauthorized

**Status Code 500**: Some internal server error occurred

**Status Code 502**: Server is not responding.

## Data Transmission & Authentication Mechanism

All data exchange would be done over secure HTTP (HTTPS). Request from ULIP's system would be made in MPT system through a data exchange URL that has following form:

[https://www.ulip.dpiit.gov.in/ulip/v1.0.0/PCS/01](https://www.ldbstaging.co.in/ulip/v1.0.0/PCS/01)

**Body:**

{

"interfaceName":"CHPOI03",

"igmNumber": "2272354"

}

Access to above data exchange URL would be authorized by use of a security mechanism implemented by the ULIP system. It is as follows:

* First time access: It would require a username and password [which would be shared with user beforehand]. Once user hit with valid user id and password, ULIP system will return a basic authorization token to user, using that token user will communicate with ULIP system until token will not get expired.

Brief summary of HTTP Basic Authentication is as follows:

First time when User will hit ULIP secured API through username and password for access token as follow-

***curl -X POST***

‘https://www.ulip.dpiit.gov.in/ulip/v1.0.0/user/login

***-H 'accept: application/json'***

***-H 'content-type: application/json'***

***-data ‘{"username":"xxxxxx","password":" XXxxx@12345"} ‘***

**Authorization:**

***Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJpbnRlcmNvbnQiLCJpYXQiOjE1ODU1NjYyMzcsImFwcHMiOiJkYXRhcHVzaCJ9.jb-23DbkWpz-3ptsuuZofzH-ce7jd0xR5WlkFfBPO\_Dzjop01dSx9OamqsjsgUAryLUPtUDiMX07oHG4L2AfFQ***

Upon successful authentication, the user would be logged into the ULIP system and get an access token. Though this token user can communicate with ULIP. This token has expiry time which represent user session. The session time out for the same to be fixed hour, generally it is for 30 minutes. If there is no request coming from user for 30 minutes, then session (token) will be expired and user need to re authenticate.

Using The above token, user can request ULIP system for details as follow -

***curl -X POST \***

***https://www.ulip.dpiit.gov.in/ulip/v1.0.0/PCS/01 \***

***-H 'accept: application/json' \***

***-H 'authorization: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyNTIzMDQyNywiYXBwcyI6ImRhdGFwdXNoIn0.rhumwWJ8BWeeHe9CYmIV1UKyJk-kLHA\_ovX5Zi2OwxEv-td-KpxnfbKDI\_8FZsOoggqx3Al-Du1y2qMoUD7uzA' \***

***-H 'cache-control: no-cache' \***

***-H 'content-type: application/json' \***

***-H 'postman-token: 8e8a19a4-ea1e-6373-f616-e2e4af9a1338' \***

***-d '*** ***{***

***"interfaceName":"CHPOI03",***

***"igmNumber": "2272354"***

***} '***