

# ABS REC 75 API

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## Overview

This is a REC 75 (version 3) Specification.

## Version information

*Version* : v3

## URI scheme

*Host* : api-test.eagle.org

*BasePath* : /customer/fleet-status/rec75/v3

*Schemes* : HTTPS

## Prerequisites

Customers should have userid and password provided by ABS to consume ABS Vessel API. Process to get userid and password is outside the scope of this document.

## Authentication

ABS Vessel API uses access token to authenticate client requests. Clients need to send the access token obtained from authentication end point in all API requests using Authorization header.

Client applications need following attributes to use API

- Ocp-Apim-Subscription-Key

- clientid
- username
- password

Details on using the attributes can be found in Authentication and Paths section.

## Get Access Token

```
POST
https://absauthprod.b2clogin.com/ABSAuthprod.onmicrosoft.com/B2C_1A_signup_signin_ROPC/
/oauth2/v2.0/token
```

### Description

Use this end point to get the access token. Access token will be used as Authorization header in all ABS Vessel API calls.

### Parameters

Body parameters are sent as url encoded form parameters.

Type	Name	Description	Schema
Body	<b>username</b> <i>required</i>	user name	string
Body	<b>password</b> <i>required</i>	password	string
Body	<b>grant_type</b> <i>required</i>	password	string
Body	<b>clientid</b> <i>required</i>	client id obtained from ABS	string
Body	<b>scope</b> <i>required</i>	openid <clientid>	string

### Responses

HTTP Code	Description	Output
200	Valid Access token	{ "access_token": "<access_token>", "token_type": "Bearer", "expires_in": "3600" }

## Sample Request

```
curl --location --request POST
'https://absauthprod.b2clogin.com/ABSAuthprod.onmicrosoft.com/B2C_1A_signup_signin_ROP
C/oauth2/v2.0/token' \
--header 'Content-Type: application/x-www-form-urlencoded' \
--data-urlencode 'username=<userid>' \
--data-urlencode 'password=<password>' \
--data-urlencode 'grant_type=password' \
--data-urlencode 'client_id=<clientId>' \
--data-urlencode 'response_type=token' \
--data-urlencode 'scope=openid <clientId>'
```

## Paths

### Vessel Status in IACS approved REC75 format using classnum

```
GET /vessel/classnum/{classnum}
```

#### Description

It will return status a single vessel in REC75 format

#### Parameters

Type	Name	Description	Schema
Path	<b>classnum</b> <i>required</i>		string
Query	<b>format</b> <i>optional</i>	format of output	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">Rec75Get200ApplicationJsonResponse</a>
404	Certificates not found	No Content

## Produces

- `application/xml`
- `application/json`

## Example cURL Request

```
curl --location --request GET 'https://api.eagle.org/customer/fleet-status/rec75/v3/vessel/classnum/{{classnum}}' \
--header 'Ocp-Apim-Subscription-Key: <Subscription key>' \
--header 'Authorization: Bearer <AccessToken>' \
--header 'Accept: application/xml'
```

## Example HTTP response

### Response 200

```
<Certificate>
  <GENERAL_DATA>
    <RO>string</RO>
    <Date>string</Date>
    <Release>0</Release>
  </GENERAL_DATA>
  <SHIP_DATA>
    <SHIP_Name>string</SHIP_Name>
    <SHIP_Build_Date>string</SHIP_Build_Date>
    <SHIP_Keel_Laid_Date>string</SHIP_Keel_Laid_Date>
    <SHIP_Class_Entry_Date>string</SHIP_Class_Entry_Date>
    <SHIP_IMO_Number>string</SHIP_IMO_Number>
    <SHIP_Administration_Type>C</SHIP_Administration_Type>
    <SHIP_Administration_Country>string</SHIP_Administration_Country>
    <SHIP_Classed_By>string</SHIP_Classed_By>
    <SHIP_Class_Number>string</SHIP_Class_Number>
    <SHIP_Port_Of_Registry>string</SHIP_Port_Of_Registry>
    <SHIP_Date_Of_Registry>string</SHIP_Date_Of_Registry>
    <SHIP_Registry_Number>0</SHIP_Registry_Number>
```

```

<SHIP_Call_Sign>string</SHIP_Call_Sign>
<SHIP_Type_IACS>A</SHIP_Type_IACS>
<SHIP_Type_Other>string</SHIP_Type_Other>
<SHIP_Class_Status>V</SHIP_Class_Status>
<SHIP_Ship_Status>E</SHIP_Ship_Status>
<SHIP_Class_Notation>string</SHIP_Class_Notation>
<SHIP_Gross_Tons>0</SHIP_Gross_Tons>
<SHIP_Deadweight>0</SHIP_Deadweight>
<SHIP_Registered_Owner>string</SHIP_Registered_Owner>
<SHIP_Type_MMS>string</SHIP_Type_MMS>
<SHIP_ISM_Shipowner_IMO>string</SHIP_ISM_Shipowner_IMO>
<SHIP_ISM_Shipowner>string</SHIP_ISM_Shipowner>
<SHIP_MLC_Shipowner_ID>string</SHIP_MLC_Shipowner_ID>
<SHIP_MLC_Shipowner>string</SHIP_MLC_Shipowner>
</SHIP_DATA>
<CERTIFICATE_DATA>
  <CERTIFICATE_ID>string</CERTIFICATE_ID>
  <CERTIFICATE_Status>V</CERTIFICATE_Status>
  <CERTIFICATE_Remark>string</CERTIFICATE_Remark>
  <CERTIFICATE_Issued_By>string</CERTIFICATE_Issued_By>
  <CERTIFICATE_Code>string</CERTIFICATE_Code>
  <CERTIFICATE_Validity_Type>F</CERTIFICATE_Validity_Type>
  <CERTIFICATE_Category>IC</CERTIFICATE_Category>
  <CERTIFICATE_Description>string</CERTIFICATE_Description>
  <CERTIFICATE_Issue_Date>string</CERTIFICATE_Issue_Date>
  <CERTIFICATE_Expiry_Date>string</CERTIFICATE_Expiry_Date>
  <MLC_Declaration_Date>string</MLC_Declaration_Date>
  <MLC_Declaration_Place>string</MLC_Declaration_Place>
  <COMPANY_CERTIFICATE_Administration>string</COMPANY_CERTIFICATE_Administration>
  <COMPANY_CERTIFICATE_Ship_Types>string</COMPANY_CERTIFICATE_Ship_Types>
</CERTIFICATE_DATA>
<SURVEY_AUDIT_DATA>
  <SURVEY_AUDIT_Code>string</SURVEY_AUDIT_Code>
  <SURVEY_AUDIT_Type>string</SURVEY_AUDIT_Type>
  <SURVEY_AUDIT_Description>string</SURVEY_AUDIT_Description>
  <SURVEY_AUDIT_Held_Date>string</SURVEY_AUDIT_Held_Date>
  <SURVEY_AUDIT_Place_Held>string</SURVEY_AUDIT_Place_Held>
  <SURVEY_AUDIT_Due_Date>string</SURVEY_AUDIT_Due_Date>
  <SURVEY_AUDIT_Postponement_Date>string</SURVEY_AUDIT_Postponement_Date>
  <SURVEY_AUDIT_Status>D</SURVEY_AUDIT_Status>
  <SURVEY_AUDIT_Range_From_Date>string</SURVEY_AUDIT_Range_From_Date>
  <SURVEY_AUDIT_Range_To_Date>string</SURVEY_AUDIT_Range_To_Date>
</SURVEY_AUDIT_DATA>
<FINDING_COMMENT_DATA>
  <COMMENT_Type>M</COMMENT_Type>
  <COMMENT_Certificates>string</COMMENT_Certificates>
  <COMMENT_Date_Issued>string</COMMENT_Date_Issued>
  <COMMENT_Place_Issued>string</COMMENT_Place_Issued>
  <COMMENT_Due_Date>string</COMMENT_Due_Date>
  <COMMENT_Expiry_Survey_Audit>string</COMMENT_Expiry_Survey_Audit>
  <COMMENT_Status>A</COMMENT_Status>

```

```

<COMMENT_Postponed_Due_Date>string</COMMENT_Postponed_Due_Date>

<COMMENT_Postponed_Expiry_Survey_Audit>string</COMMENT_Postponed_Expiry_Survey_Audit>
  <COMMENT_MMS_Reference>string</COMMENT_MMS_Reference>
</FINDING_COMMENT_DATA>
<MMS_COMPANY_DATA>
  <COMPANY_Management_ID>string</COMPANY_Management_ID>
  <COMPANY_IMO_Number>string</COMPANY_IMO_Number>
  <COMPANY_Name>string</COMPANY_Name>
  <COMPANY_Address>string</COMPANY_Address>
  <COMPANY_MLC_Responsibility>true</COMPANY_MLC_Responsibility>
</MMS_COMPANY_DATA>
</Certificate>

```

```

[
  {
    "GENERAL_DATA": {
      "RO": "string",
      "Date": "string",
      "Release": 0.0
    },
    "SHIP_DATA": {
      "SHIP_Name": "string",
      "SHIP_Build_Date": "string",
      "SHIP_Keel_Laid_Date": "string",
      "SHIP_Class_Entry_Date": "string",
      "SHIP_IMO_Number": "string",
      "SHIP_Administration_Type": "C",
      "SHIP_Administration_Country": "string",
      "SHIP_Classed_By": "string",
      "SHIP_Class_Number": "string",
      "SHIP_Port_Of_Registry": "string",
      "SHIP_Date_Of_Registry": "string",
      "SHIP_Registry_Number": 0.0,
      "SHIP_Call_Sign": "string",
      "SHIP_Type_IACS": "A",
      "SHIP_Type_Other": "string",
      "SHIP_Class_Status": "V",
      "SHIP_Ship_Status": "E",
      "SHIP_Class_Notation": "string",
      "SHIP_Gross_Tons": 0.0,
      "SHIP_Deadweight": 0.0,
      "SHIP_Registered_Owner": "string",
      "SHIP_Type_MMS": "string",
      "SHIP_ISM_Shipowner_IMO": "string",
      "SHIP_ISM_Shipowner": "string",
      "SHIP_MLC_Shipowner_ID": "string",
      "SHIP_MLC_Shipowner": "string"
    },
    "CERTIFICATE_DATA": {

```

```

    "CERTIFICATE_ID": "string",
    "CERTIFICATE_Status": "V",
    "CERTIFICATE_Remark": "string",
    "CERTIFICATE_Issued_By": "string",
    "CERTIFICATE_Code": "string",
    "CERTIFICATE_Validity_Type": "F",
    "CERTIFICATE_Category": "IC",
    "CERTIFICATE_Description": "string",
    "CERTIFICATE_Issue_Date": "string",
    "CERTIFICATE_Expiry_Date": "string",
    "MLC_Declaration_Date": "string",
    "MLC_Declaration_Place": "string",
    "COMPANY_CERTIFICATE_Administration": "string",
    "COMPANY_CERTIFICATE_Ship_Types": "string"
  },
  "SURVEY_AUDIT_DATA": {
    "SURVEY_AUDIT_Code": "string",
    "SURVEY_AUDIT_Type": "string",
    "SURVEY_AUDIT_Description": "string",
    "SURVEY_AUDIT_Held_Date": "string",
    "SURVEY_AUDIT_Place_Held": "string",
    "SURVEY_AUDIT_Due_Date": "string",
    "SURVEY_AUDIT_Postponement_Date": "string",
    "SURVEY_AUDIT_Status": "D",
    "SURVEY_AUDIT_Range_From_Date": "string",
    "SURVEY_AUDIT_Range_To_Date": "string"
  },
  "FINDING_COMMENT_DATA": {
    "COMMENT_Type": "M",
    "COMMENT_Certificates": "string",
    "COMMENT_Date_Issued": "string",
    "COMMENT_Place_Issued": "string",
    "COMMENT_Due_Date": "string",
    "COMMENT_Expiry_Survey_Audit": "string",
    "COMMENT_Status": "A",
    "COMMENT_Postponed_Due_Date": "string",
    "COMMENT_Postponed_Expiry_Survey_Audit": "string",
    "COMMENT_MMS_Reference": "string"
  },
  "MMS_COMPANY_DATA": {
    "COMPANY_Management_ID": "string",
    "COMPANY_IMO_Number": "string",
    "COMPANY_Name": "string",
    "COMPANY_Address": "string",
    "COMPANY_MLC_Responsibility": true
  }
}
]

```

# Vessel Status in IACS approved REC75 format

```
GET /vessel/imonum/{imonum}
```

## Description

It will return status a single vessel in REC75 format

## Parameters

Type	Name	Description	Schema
Path	<b>imonum</b> <i>required</i>		string
Query	<b>format</b> <i>optional</i>	format of output	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">Rec75Get200ApplicationJsonResponse</a>
404	Certificates not found	No Content

## Produces

- `application/xml`
- `application/json`

## Tags

- Finding
- Survey
- Vessel
- certificate

## Example HTTP response



## Response 200

```
<Certificate>
  <GENERAL_DATA>
    <RO>string</RO>
    <Date>string</Date>
    <Release>0</Release>
  </GENERAL_DATA>
  <SHIP_DATA>
    <SHIP_Name>string</SHIP_Name>
    <SHIP_Build_Date>string</SHIP_Build_Date>
    <SHIP_Keel_Laid_Date>string</SHIP_Keel_Laid_Date>
    <SHIP_Class_Entry_Date>string</SHIP_Class_Entry_Date>
    <SHIP_IMO_Number>string</SHIP_IMO_Number>
    <SHIP_Administration_Type>C</SHIP_Administration_Type>
    <SHIP_Administration_Country>string</SHIP_Administration_Country>
    <SHIP_Classed_By>string</SHIP_Classed_By>
    <SHIP_Class_Number>string</SHIP_Class_Number>
    <SHIP_Port_Of_Registry>string</SHIP_Port_Of_Registry>
    <SHIP_Date_Of_Registry>string</SHIP_Date_Of_Registry>
    <SHIP_Registry_Number>0</SHIP_Registry_Number>
    <SHIP_Call_Sign>string</SHIP_Call_Sign>
    <SHIP_Type_IACS>A</SHIP_Type_IACS>
    <SHIP_Type_Other>string</SHIP_Type_Other>
    <SHIP_Class_Status>V</SHIP_Class_Status>
    <SHIP_Ship_Status>E</SHIP_Ship_Status>
    <SHIP_Class_Notation>string</SHIP_Class_Notation>
    <SHIP_Gross_Tons>0</SHIP_Gross_Tons>
    <SHIP_Deadweight>0</SHIP_Deadweight>
    <SHIP_Registered_Owner>string</SHIP_Registered_Owner>
    <SHIP_Type_MMS>string</SHIP_Type_MMS>
    <SHIP_ISM_Shipowner_IMO>string</SHIP_ISM_Shipowner_IMO>
    <SHIP_ISM_Shipowner>string</SHIP_ISM_Shipowner>
    <SHIP_MLC_Shipowner_ID>string</SHIP_MLC_Shipowner_ID>
    <SHIP_MLC_Shipowner>string</SHIP_MLC_Shipowner>
  </SHIP_DATA>
  <CERTIFICATE_DATA>
    <CERTIFICATE_ID>string</CERTIFICATE_ID>
    <CERTIFICATE_Status>V</CERTIFICATE_Status>
    <CERTIFICATE_Remark>string</CERTIFICATE_Remark>
    <CERTIFICATE_Issued_By>string</CERTIFICATE_Issued_By>
    <CERTIFICATE_Code>string</CERTIFICATE_Code>
    <CERTIFICATE_Validity_Type>F</CERTIFICATE_Validity_Type>
    <CERTIFICATE_Category>IC</CERTIFICATE_Category>
    <CERTIFICATE_Description>string</CERTIFICATE_Description>
    <CERTIFICATE_Issue_Date>string</CERTIFICATE_Issue_Date>
    <CERTIFICATE_Expiry_Date>string</CERTIFICATE_Expiry_Date>
    <MLC_Declaration_Date>string</MLC_Declaration_Date>
    <MLC_Declaration_Place>string</MLC_Declaration_Place>
    <COMPANY_CERTIFICATE_Administration>string</COMPANY_CERTIFICATE_Administration>
    <COMPANY_CERTIFICATE_Ship_Types>string</COMPANY_CERTIFICATE_Ship_Types>
```

```

</CERTIFICATE_DATA>
<SURVEY_AUDIT_DATA>
  <SURVEY_AUDIT_Code>string</SURVEY_AUDIT_Code>
  <SURVEY_AUDIT_Type>string</SURVEY_AUDIT_Type>
  <SURVEY_AUDIT_Description>string</SURVEY_AUDIT_Description>
  <SURVEY_AUDIT_Held_Date>string</SURVEY_AUDIT_Held_Date>
  <SURVEY_AUDIT_Place_Held>string</SURVEY_AUDIT_Place_Held>
  <SURVEY_AUDIT_Due_Date>string</SURVEY_AUDIT_Due_Date>
  <SURVEY_AUDIT_Postponement_Date>string</SURVEY_AUDIT_Postponement_Date>
  <SURVEY_AUDIT_Status>D</SURVEY_AUDIT_Status>
  <SURVEY_AUDIT_Range_From_Date>string</SURVEY_AUDIT_Range_From_Date>
  <SURVEY_AUDIT_Range_To_Date>string</SURVEY_AUDIT_Range_To_Date>
</SURVEY_AUDIT_DATA>
<FINDING_COMMENT_DATA>
  <COMMENT_Type>M</COMMENT_Type>
  <COMMENT_Certificates>string</COMMENT_Certificates>
  <COMMENT_Date_Issued>string</COMMENT_Date_Issued>
  <COMMENT_Place_Issued>string</COMMENT_Place_Issued>
  <COMMENT_Due_Date>string</COMMENT_Due_Date>
  <COMMENT_Expiry_Survey_Audit>string</COMMENT_Expiry_Survey_Audit>
  <COMMENT_Status>A</COMMENT_Status>
  <COMMENT_Postponed_Due_Date>string</COMMENT_Postponed_Due_Date>

<COMMENT_Postponed_Expiry_Survey_Audit>string</COMMENT_Postponed_Expiry_Survey_Audit>
  <COMMENT_MMS_Reference>string</COMMENT_MMS_Reference>
</FINDING_COMMENT_DATA>
<MMS_COMPANY_DATA>
  <COMPANY_Management_ID>string</COMPANY_Management_ID>
  <COMPANY_IMO_Number>string</COMPANY_IMO_Number>
  <COMPANY_Name>string</COMPANY_Name>
  <COMPANY_Address>string</COMPANY_Address>
  <COMPANY_MLC_Responsibility>true</COMPANY_MLC_Responsibility>
</MMS_COMPANY_DATA>
</Certificate>

```

```

[
  {
    "GENERAL_DATA": {
      "RO": "string",
      "Date": "string",
      "Release": 0.0
    },
    "SHIP_DATA": {
      "SHIP_Name": "string",
      "SHIP_Build_Date": "string",
      "SHIP_Keel_Laid_Date": "string",
      "SHIP_Class_Entry_Date": "string",
      "SHIP_IMO_Number": "string",
      "SHIP_Administration_Type": "C",
      "SHIP_Administration_Country": "string",

```

```

"SHIP_Classed_By": "string",
"SHIP_Class_Number": "string",
"SHIP_Port_Of_Registry": "string",
"SHIP_Date_Of_Registry": "string",
"SHIP_Registry_Number": 0.0,
"SHIP_Call_Sign": "string",
"SHIP_Type_IACS": "A",
"SHIP_Type_Other": "string",
"SHIP_Class_Status": "V",
"SHIP_Ship_Status": "E",
"SHIP_Class_Notation": "string",
"SHIP_Gross_Tons": 0.0,
"SHIP_Deadweight": 0.0,
"SHIP_Registered_Owner": "string",
"SHIP_Type_MMS": "string",
"SHIP_ISM_Shipowner_IMO": "string",
"SHIP_ISM_Shipowner": "string",
"SHIP_MLC_Shipowner_ID": "string",
"SHIP_MLC_Shipowner": "string"
},
"CERTIFICATE_DATA": {
  "CERTIFICATE_ID": "string",
  "CERTIFICATE_Status": "V",
  "CERTIFICATE_Remark": "string",
  "CERTIFICATE_Issued_By": "string",
  "CERTIFICATE_Code": "string",
  "CERTIFICATE_Validity_Type": "F",
  "CERTIFICATE_Category": "IC",
  "CERTIFICATE_Description": "string",
  "CERTIFICATE_Issue_Date": "string",
  "CERTIFICATE_Expiry_Date": "string",
  "MLC_Declaration_Date": "string",
  "MLC_Declaration_Place": "string",
  "COMPANY_CERTIFICATE_Administration": "string",
  "COMPANY_CERTIFICATE_Ship_Types": "string"
},
"SURVEY_AUDIT_DATA": {
  "SURVEY_AUDIT_Code": "string",
  "SURVEY_AUDIT_Type": "string",
  "SURVEY_AUDIT_Description": "string",
  "SURVEY_AUDIT_Held_Date": "string",
  "SURVEY_AUDIT_Place_Held": "string",
  "SURVEY_AUDIT_Due_Date": "string",
  "SURVEY_AUDIT_Postponement_Date": "string",
  "SURVEY_AUDIT_Status": "D",
  "SURVEY_AUDIT_Range_From_Date": "string",
  "SURVEY_AUDIT_Range_To_Date": "string"
},
"FINDING_COMMENT_DATA": {
  "COMMENT_Type": "M",
  "COMMENT_Certificates": "string",

```

```

    "COMMENT_Date_Issued": "string",
    "COMMENT_Place_Issued": "string",
    "COMMENT_Due_Date": "string",
    "COMMENT_Expiry_Survey_Audit": "string",
    "COMMENT_Status": "A",
    "COMMENT_Postponed_Due_Date": "string",
    "COMMENT_Postponed_Expiry_Survey_Audit": "string",
    "COMMENT_MMS_Reference": "string"
  },
  "MMS_COMPANY_DATA": {
    "COMPANY_Management_ID": "string",
    "COMPANY_IMO_Number": "string",
    "COMPANY_Name": "string",
    "COMPANY_Address": "string",
    "COMPANY_MLC_Responsibility": true
  }
}
]

```

## List of vessels

GET /vessels

### Parameters

Type	Name	Description	Schema
Query	<b>format</b> <i>optional</i>	format of output	string

### Responses

HTTP Code	Description	Schema
200	null	No Content