ABS Vessel Status API

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Overview

This is a comprehensive set of web services to find
- Vessel details
- Findings
- Certificates
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- Download certificates
- Vessel Status Report

Version information

Version : 3.0

URI scheme

Host : api.eagle.org
BasePath : /customer/fleet-status/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 willl be 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	**username** *required*	user name	string
Body	**password** *required*	password	string
Body	**grant_type** *required*	password	string
Body	**clientid** *required*	client id obtained from ABS	string

Type	Name	Description	Schema
Body	**scope** *required*	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

Get the list of Vessel

```
GET /vessels
```

Description

The operation retrieves the list of the vessels authorized for the user

Responses

HTTP Code	Schema
200	Vessels

Produces

- application/json

Example Request

```
curl --location --request GET 'https://api.eagle.org/customer/fleet-status/v3/vessels' \
--header 'Ocp-Apim-Subscription-Key: <Subscription key>' \
--header 'Authorization: Bearer <AccessToken>'
```

Get Vessel Status

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

Description

The operation list the current status of the vessel

Parameters

Type	Name	Description	Schema
Path	**classnum** *required*		string

Responses

HTTP Code	Schema
200	Vessel
404	No Content

Produces

- application/json

Example cURL Request

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

Get Vessel Status Using Imonum

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

Description

Get Vessel Status By Imonum

Parameters

Type	Name	Description	Schema
Path	**imonum** *required*	imo number	string

Responses

HTTP Code	Description	Schema
200	null	No Content

Produces

- `application/json`

Example cURL Request

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

Get Certificates

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

Description

Get Certificates

Parameters

Type	Name	Description	Schema
Path	**classnum** *required*	Class Number	string
Query	**since** *optional*	Since the last date the data was fetched	string

Responses

HTTP Code	Schema
200	Certificates

Produces

- `application/json`

Example cURL Request

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

Example HTTP response

Response 200

```
{
  "certificates" : [ {
    "serviceType" : "MARPOL Annex I (Oil)",
    "id" : "00280245-3754691-005",
    "name" : "Statement of Voluntary Compliance for Oil Pollution Prevention -
Supplement Form B",
    "abbr" : "SOVC-OIL-B-SUPP",
    "term" : "Full Term",
    "flagName" : "Republic of Panama",
    "deadweight" : 999,
    "issueDate" : "2019-11-04T06:00:00+00:00",
    "expiryDate" : "",
    "extensionDate" : "",
    "placeOfIssue" : "In the office, Houston, TX - HS",
    "issuedBy" : "ABS Surveyor",
    "personName" : "Person Name",
    "status" : "Issued",
    "statusDate" : "2020-08-24T00:00:00+00:00",
    "link" : {
      "rel" : "document",
      "href" : "/vessel/00280245/certificate/doc?certnum=00280245-3754691-005",
      "action" : "GET",
      "types" : [ "application/octet-stream" ]
    }
  } ]
}
```

Get the Findings

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

Description

Get the Findings

Parameters

Type	Name	Description	Schema
Path	**classnum** *required*	Class Number	string

Responses

HTTP Code	Schema
200	Findings

Produces

- `application/json`

Example cURL Request

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

Example HTTP response

Response 200

```
{
  "findings" : [ {
    "uid" : "1247",
    "serviceType" : "class",
    "category" : "Conditon of Class",
    "status" : "Partial",
    "dueIndicator" : "Due in 90 days",
    "assetUid" : "7509726",
    "assetDescription" : "No. 2 Void (S)",
    "criticality" : "major",
    "reportNumber" : "request wonum",
    "associatedTask" : "Special Continuous Survey - Hull 10 WO# 4327233 attended at
Rio de Janeiro",
    "findingType" : "Recommendation",
    "dateCreated" : "2020-06-24T00:00:00+00:00",
    "dueDate" : "2020-11-27T00:00:00+00:00",
    "dueByTask" : "",
    "description" : "Description here",
    "history" : [ {
      "uid" : "1247",
      "dateCreated" : "2020-04-05T00:00:00+00:00",
      "reportNumber" : "12345",
      "reportLocation" : "",
      "criticality" : "major",
      "findingType" : "Partial Rectification",
      "description" : "This COC is being extended as authorized up to
27/November/2020."
    }, {
      "uid" : "1247",
      "dateCreated" : "2020-04-05T00:00:00+00:00",
      "reportNumber" : "12345",
      "reportLocation" : "",
      "criticality" : "major",
      "findingType" : "Partial Rectification",
      "description" : "This COC is being extended as authorized up to
27/November/2020."
    }, {
      "uid" : "1247",
      "dateCreated" : "2020-04-05T00:00:00+00:00",
      "reportNumber" : "12345",
      "reportLocation" : "",
      "criticality" : "major",
      "findingType" : "Partial Rectification",
      "description" : "This COC is being extended as authorized up to
27/November/2020."
    } ],
    "workType" : [ "Surveys After Construction", "ISM-HSQEEn SMC Audits", "ISM-HSQEEn
DOC Audits" ]
  } ]
}
```

Get Survey and Audit

```
GET /vessel/{classnum}/survey-audit
```

Description

List of survey and audit

Parameters

Type	Name	Description	Schema
Path	**classnum** *required*	class number	string

Responses

HTTP Code	Schema
200	SurveyAudits

Produces

- `application/json`

Example cURL Request

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

Example HTTP response

Response 200

```
{
  "surveyAudits" : [ {
    "uid" : "workorder id",
    "type" : "Retesting Survey - Cargo Gear",
    "description" : "Retesting Survey - Cargo Gear 2",
    "dueDate" : "2025-01-17T00:00:00+00:00",
    "rangeFromDate" : "2020-11-04T00:00:00+00:00",
    "rangeToDate" : "2020-11-04T00:00:00+00:00",
    "doneDate" : "2020-11-04T00:00:00+00:00",
    "placeHeld" : "Houston",
    "extenedDueDate" : "2020-11-04T00:00:00+00:00",
    "status" : "Not Due",
    "serviceType" : "Class Certification",
    "workType" : [ "Surveys After Construction", "ISM-HSQEEn SMC Audits", "ISM-HSQEEn
DOC Audits" ],
    "requirementsLink" : {
      "rel" : "document",
      "href" : "/vessel/06161489/certificates/06161489-4476915-255/document",
      "action" : "GET",
      "types" : [ "application/octet-stream", "application/zip" ]
    }
  } ]
}
```

Get FreeBoard and Tonnage

```
GET /vessel/{classnum}/freeboard-tonnage
```

Description

Freeboard and Tonnage

Parameters

Type	Name	Description	Schema
Path	**classnum** *required*	Class Number	string

Responses

HTTP Code	Schema
200	FreeboardTonnage

Produces

- `application/json`

Example cURL Request

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

Example HTTP response

Response 200

```
{
  "freeboardAssignment" : [ {
    "freeboard" : "string",
    "displacement" : {
      "value" : 0,
      "unit" : "string"
    },
    "deadWeight" : {
      "value" : 0,
      "unit" : "string"
    },
    "calculatedFreeboard" : {
      "value" : 0,
      "unit" : "string"
    },
    "state" : "string"
  } ],
  "tonage" : [ {
    "regulation" : "string",
    "grossTonnage" : {
      "value" : 0,
      "unit" : "string"
    },
    "netTonnage" : {
      "value" : 0,
      "unit" : "string"
    }
  } ]
}
```

Get Compartment Coating Condition

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

Description

Get Compartment Coating Condition

Parameters

Type	Name	Description	Schema
Path	**classnum** *required*	Class Number	string

Responses

HTTP Code	Schema
200	Compartments

Produces

- `application/json`

Example cURL Request

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

Example HTTP response

Response 200

```
{
  "compartments" : [ {
    "uid" : "16327201",
    "category" : "Void",
    "assetName" : "Void Tank 9S",
    "function" : "Void",
    "overallCoatingCondition" : "",
    "coatingType" : "No Coating",
    "lastCoatingExam" : "2020-11-04T00:00:00+00:00",
    "meansOfHeating" : ""
  } ]
}
```

Get Parts status

```
GET /vessel/{classnum}/parts/status
```

Description

Get Parts status

Parameters

Type	Name	Description	Schema
Path	**classnum** *required*	Class Number	string

Responses

HTTP Code	Schema
200	PartsStatus

Produces

- application/json

Example cURL Request

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

Example HTTP response

Response 200

```
{
  "partsStatus" : [ {
    "uid" : "16093891",
    "parentUid": "",
    "surveyName" : "Special Continuous Survey - Production Facility 10",
    "surveyDueDate" : "2020-11-27T00:00:00+00:00",
    "type" : "Outfitting",
    "name" : "Insulation Resistance Reading of Circuit",
    "inspectionType" : "Examination",
    "absProgram" : "",
    "status" : "CREDITED",
    "dueDate" : "2020-11-04T00:00:00+00:00",
    "doneDate" : "2019-10-12T00:00:00+00:00",
    "extenedDueDate" : "2020-11-04T00:00:00+00:00",
    "itemType" : "Bottom plating",
    "absGroup" : "",
    "absSubGroup" : "",
    "assetNumber" : "",
    "itemTypeHierarchy" : "",
    "hierarchy" : ""
  } ]
}
```

Get All Certificates (zip version)

```
GET /vessel/{classnum}/certificates/document
```

Description

Get a Zip file containing all certificates (current)

Parameters

Type	Name	Description	Schema
Path	**classnum** *required*	Class Number	string

Responses

HTTP Code	Schema
200	No Content

Produces

- `application/octet-stream`

Example cURL Request

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

Get a single Certificate (zip version)

```
GET /vessel/{classnum}/certificates/{certnum}/document
```

Description

Get a single Certificate (zip version)

Parameters

Type	Name	Description	Schema
Path	**certnum** *required*	Certificate Number	string
Path	**classnum** *required*	Class Number	string

Responses

HTTP Code	Schema
200	No Content

Produces

- `application/octet-stream`

Example cURL Request

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

Get Vessel Status Report (pdf or xlsx version)

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

Description

Get Vessel Status Report (pdf or xlsx version)

Parameters

Type	Name	Description	Schema
Path	**classnum** *required*	Class Number	string
Header	**Accept** *optional*	value can be pdf or xlsx. Default is pdf	string

Responses

HTTP Code	Schema
200	No Content

Produces

- application/octet-stream

Example cURL Request

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

Definitions

Attachment

Name	Description	Schema
description *optional*	Describes the attachement. **Maximal length** : 200	string
name *optional*	File name **Maximal length** : 300	string
uploadedOn *optional*	Uploaded date in UTC format. **Example** : "2021-05-18T09:32:28+00:00"	string (date-time)

AttachmentRequest

Name	Description	Schema
attachmentOwner *required*	Attachments added against. **Maximal length** : 200 **Example** : "Survey, Finding, Part"	string
attachmentOwnerId *required*	UID of attachmentOwner - surveyUID, findingUID, partUID. **Maximal length** : 100	string
attachmentOwnerParent *optional*	Parent of attachmentOwner. Like, when attachment is added for a survey, attachment owner is Survey and parent owner is order **Maximal length** : 200 **Example** : "Order, Workorder"	string
attachmentOwnerParentId *optional*	UID of attachmentOwnerParent. **Maximal length** : 100 **Example** : "OrderId"	string
attachmentType *required*	Attachment Type. For order, it's either Pictures or Others **Maximal length** : 300 **Example** : "Pictures, Others, Survey Status Report, Deliverable Report etc"	string
data *required*	Base64 encoded bytes.	string (base64)

Name	Description	Schema
description *required*	Describes the attachement. **Maximal length** : 200	string
name *required*	File name with extension **Maximal length** : 300	string

BuilderDesignation

Name	Description	Schema
contractDate *optional*	The date a contract is signed between the primary builder and the owner for the construction of a vessel or offshore facility.	string
hullNumber *optional*		string
shipyard *optional*		string

CancelRequest

Name	Description	Schema
cancelReason *required*	Reason for cancellation **Maximal length** : 4000	string

Certificate

Name	Schema
abbr *optional*	string
deadweight *optional*	number
expiryDate *optional*	string
extensionDate *optional*	string

Name	Schema
flagName *optional*	string
id *optional*	string
issueDate *optional*	string
issuedBy *optional*	string
link *optional*	Link
name *optional*	string
personName *optional*	string
placeOfIssue *optional*	string
serviceType *optional*	string
status *optional*	string
statusDate *optional*	string
term *optional*	string
uid *optional*	string

Certificates

Name	Schema
certificates *optional*	< Certificate > array

Compartment

Name	Schema
category *optional*	string
coatingType *optional*	string
function *optional*	string
lastCoatingExam *optional*	string
meansOfHeating *optional*	string
name *optional*	string
overallCoatingCondition *optional*	string
uid *optional*	string

Compartments

Name	Schema
compartments *optional*	< Compartment > array

Error

Name	Schema
code *required*	integer (int32)
message *required*	string

Finding

Name	Description	Schema
associatedTask *optional*		string
category *optional*		string
criticality *optional*		string
dateCreated *optional*		string
description *optional*		string
dueByTask *optional*		string
dueDate *optional*		string
dueIndicator *optional*		string
findingType *optional*		string
history *optional*		< history > array
partName *optional*		string

Name	Description	Schema
partUid *optional*		string
reportNumbe r *optional*		string
serviceType *optional*		string
status *optional*		string
uid *optional*		string
workTypes *optional*	Applicable Work Types.	< string > array

history

Name	Schema
criticality *required*	string
dateCreated *required*	string
description *required*	string
findingType *required*	string
reportLocation *required*	string
reportNumber *required*	string
uid *required*	string

FindingRequest

Name	Description	Schema
declineReason *optional*	Required if the survey is due/overdue and excluded from the order. **Maximal length** : 200	string
uid *required*	Unique identifier for finding.	string

Findings

Name	Schema
findings *optional*	< Finding > array

Freeboard

Name	Schema
calculatedFreeboard *optional*	NumericMeasure
deadWeight *optional*	NumericMeasure
displacement *optional*	NumericMeasure
freeboard *optional*	string
state *optional*	string

FreeboardTonnage

Name	Schema
freeboardAssignment *optional*	< Freeboard > array

Name	Schema
tonage *optional*	< Tonnage > array

Link

Name	Schema
action *optional*	string
href *optional*	string
rel *optional*	string
types *optional*	< string > array

NumericMeasure

Name	Schema
unit *optional*	string
value *optional*	number

OccasionalSurvey

Name	Description	Schema
id *required*	Id to uniquely identify occasional survey (TBD, abbreviation/jpnum) **Example** : "TRANS-DAM"	string

Name	Description	Schema
orderType *required*	Order Type, more to be added later **Default** : "Survey After Construction" **Maximal length** : 300 **Example** : "Survey After Construction"	enum (Survey After Construction, ISM-HSQEEn SMC Audits, ISPS Verification Audits, MLC Inspections/Audits, SUBM Vessel Audits, ISM-HSQEEn DOC Audits, SUBM Office Audits)
remoteAllowed *required*	**Example** : true	boolean
surveyType *required*	Occasional survey type. **Maximal length** : 30 **Example** : "Transit Damage Survey"	string

Order

Name	Description	Schema
attendanceType *optional*	**Maximal length** : 100 **Example** : "Regular Attendance"	string
firstVisitDate *optional*	Date the order is placed, required	string (date)
portOffice *optional*	**Maximal length** : 240 **Example** : "Houston Port"	string
reportNumber *optional*	Work order number. **Maximal length** : 50	string
requestDate *optional*	Date the order is placed, required	string (date)
requestId *optional*	Request Id. **Maximal length** : 50	string

Name	Description	Schema
requestType *optional*	**Maximal length** : 50 **Example** : "Surveys After Construction"	string
status *optional*	**Maximal length** : 50 **Example** : "Order Placed"	string

OrderDetails

Name	Description	Schema
additionalNotifications *optional*		< OrderNotification > array
comments *optional*	comments **Maximal length** : 4000	string
findings *optional*		< findings > array
localContact *optional*		Person
orderSummary *optional*		Order
surveys *optional*		< surveys > array

findings

Name	Schema
attachment *optional*	< Attachment > array
description *optional*	string
uid *optional*	string

surveys

Name	Schema
attachment *optional*	< Attachment > array
description *optional*	string
parts *optional*	< parts > array
uid *optional*	string

parts

Name	Schema
attachment *optional*	< Attachment > array
uid *optional*	string

OrderNotification

Name	Description	Schema
emailIds *optional*	one or more email addresses to receive notifications **Maximal length** : 1000 **Example** : "abc@example.com, def@example.com"	string
notificationType *optional*	events for which the customer wants to receive notifications **Maximal length** : 254 **Example** : "Surveyor Assignment"	enum (Surveyor Assignment, Preliminary report signed off, Final Reports, Certificates, and Invoice(s) are available online)

OrderRequest

Name	Description	Schema
additionalNotifications *optional*		< OrderNotification > array
attendanceType *optional*	Attendance Type **Default** : `"Regular Attendance"` **Maximal length** : `100` **Example** : `"Regular Attendance"`	enum (Regular Attendance, Remote Attendance)
classNumber *optional*	**Maximal length** : `30` **Example** : `"09182047"`	string
comments *optional*	comments **Maximal length** : `4000`	string
customerNumber *required*	Customer Number (WCN) **Maximal length** : `30` **Example** : `"151609"`	string
finding *optional*	Findings selected for the order.	< FindingRequest > array
imoNumber *optional*	**Maximal length** : `50` **Example** : `"952798"`	string
localContact *optional*		Person
locationCode *required*	UN/LOCODE for the selected Port Location leading with country code. Like, for Houston,TX port in USA, the locationCode should be USHOU In case of remote request, send the next expected port of call **Maximal length** : `10` **Example** : `"USHOU"`	string

Name	Description	Schema
orderType *optional*	Work Type. **Maximal length** : 300 **Example** : "Survey After Construction"	enum (Surveys After Construction, ISM-HSQEEn SMC Audits, ISPS Verification Audits, MLC Inspections/Audits, SUBM Vessel Audits, ISM-HSQEEn DOC Audits, SUBM Office Audits)
poNumber *optional*	Purchase Order number. **Maximal length** : 70 **Example** : "870ATP/MG01/A3237"	string
requestDate *required*	System will default the Request date to the date the Order was originally created as a Draft. When the customer submits an order, the Request date will be updated to reflect the date of submission. **Example** : "2021-05-18T09:32:28+00:00"	string (date-time)
scheduledFinish *optional*	Estimate Last Visit Date in UTC format. It will default to current date, if not provided **Example** : "2021-05-18T09:32:28+00:00"	string (date-time)
scheduledStart *optional*	Estimate First Visit Date in UTC format. It will default to current date, if not provided **Example** : "2021-05-18T09:32:28+00:00"	string (date-time)
survey *optional*	Surveys selected in the workorder	< SurveyRequest > array

Owner

Name	Schema
address *optional*	string
name *optional*	string

Name	Schema
type *optional*	string
wcn *optional*	string

PartRequest

Name	Description	Schema
uid *required*	Unique identifier for part.	string

PartStatus

Name	Schema
absProgram *optional*	string
assetType *optional*	string
doneDate *optional*	string
dueDate *optional*	string
extenedDueDate *optional*	string
inspectionType *optional*	string
name *optional*	string
parentUid *optional*	string

Name	Schema
status *optional*	string
surveyDueDate *optional*	string
surveyName *optional*	string
type *optional*	string
uid *optional*	string

PartsStatus

Name	Schema
partsStatus *optional*	< PartStatus > array

Person

Name	Description	Schema
company *optional*	**Maximal length** : 250 **Example** : "Some Company"	string
email *optional*	**Maximal length** : 250 **Example** : "janeD@company.com"	string (email)
name *required*	**Maximal length** : 50 **Example** : "Jane Doe"	string
phone *optional*	**Maximal length** : 30 **Example** : "1234456712"	string

ServiceState

Name	Schema
serviceState *optional*	string
serviceType *optional*	string
stateDate *optional*	string

SurveyAudit

Name	Description	Schema
description *optional*		string
doneDate *optional*		string
dueDate *optional*		string
extenedDueD ate *optional*		string
placeHeld *optional*		string
rangeFromDa te *optional*		string
rangeToDate *optional*		string
requirements Link *optional*		Link
serviceType *optional*	**Maximal length** : 200	string

Name	Description	Schema
status *optional*		string
type *optional*		string
uid *optional*		string
workTypes *optional*	Applicable Work Types.	< string > array

SurveyAudits

Name	Schema
surveyAudits *optional*	< SurveyAudit > array

SurveyRequest

Name	Description	Schema
declineReason *optional*	Required if the survey is due/overdue and excluded from the order. **Maximal length** : 200	string
extensionRequested *optional*	The survey has to be overdue or coming in due in 30 days. **Example** : true	boolean
occasional *optional*	True or false.	boolean
parts *optional*		< PartRequest > array
surveyType *optional*	Survey Type. **Maximal length** : 30 **Example** : "Retesting Survey - Cargo Gear"	string

Name	Description	Schema
uid *required*	Unique identifier for survey/audit.	string

Tonnage

Name	Schema
grossTonnage *optional*	NumericMeasure
netTonnage *optional*	NumericMeasure
regulation *optional*	string

Vessel

Name	Description	Schema
breadthMolded *optional*		NumericMeasure
businessStatus *optional*	The business state of the vessel.	string
callSign *optional*	The unique lifecycle identifier assigned to the ship by the flag state for radio communication.	string
classNotation *optional*	A combination of words, acronyms, letters or abbreviations that describe a vessel's design parameters and restrictions, cargo type, service or applicable survey characteristics, for example, Oil Carrier, ACCU, Gulf of Mexico, SH HM2, CPP, etc.	string
classNumber *optional*	The classification society's specific identification number assigned to a vessel.	string
deliveryDate *optional*	The Delivery Date means the date upon which a vessel is delivered by the Builder.	string

Name	Description	Schema
depthMolded *optional*		NumericMeasure
description *optional*	A description on the Classification Certificate that provides a more definitive identification of the industrial function of a vessel that supplements the Class Notation or provides a further clarification in the case where the Class Notation is nondescript.	string
designDeadWeight *optional*		NumericMeasure
flagName *optional*	The national authority with whom the vessel is registered.	string
grossTonnage *optional*		NumericMeasure
imoNumber *optional*	The International Maritime Organization number is a unique identifier for ships, registered ship owners and management companies.	string
keelLayingDate *optional*	The date upon which progressive construction identifiable with a specific vessel begins, including construction of the first module or prefabricated section of the hull that is identifiable with that vessel.	string
lengthOverall *optional*		NumericMeasure
lifeCycleStatus *optional*	The LifeCycle state of the vessel.	string
links *optional*		< Link > array
netTonnage *optional*		NumericMeasure

Name	Description	Schema
officialNumber *optional*	The Official Number is a ship identifier number assigned to merchant ship by her country of registration.	string
otherClassSociety *optional*	TheOther Class Socirty nmae for dual class vessel.	string
portRegistry *optional*	The place where the details of a ship or boat are officially recorded.	string
primaryBuilder *optional*		BuilderDesignation
registeredOwner *optional*		Owner
serviceStates *optional*	Vessel's classification and statutory service state.	< ServiceState > array
vesselName *optional*	The name of the vessel.	string
vesselType *optional*	The principal categorization of a vessel/unit by its structural arrangement.	string

VesselStateDesignation

Name	Schema
ISMState *optional*	string
ISMStateDate *optional*	string
ISPSState *optional*	string
ISPSStateDate *optional*	string

Name	Schema
classState *optional*	string
classStateDate *optional*	string
lifeCycleState *optional*	string
lifeCycleStateDate *optional*	string

Vessels

Name	Schema
vessels *optional*	< Vessel > array

headers