

*Document No:*

*Title: Log in VIS*

*Date: 2017-04-06*



# Log Requirements

The following requirements have been captured regarding logging in services participating in STM Validation Project; either in the Live Testbed or in simulation.

The log file generated by a service instance is to be considered as a raw event and data log which needs to be further elaborated to provide validation data for conclusions. Thus there need to be a tool that performs the business intelligence part on the log files form each service instance.

The following subjects is expected to be retrieved from the log files:

* Statistics with
  + number of exchanged voyages per ship per month
  + number of publications (changes) for each voyage (min,max,median)
  + failure events?
  + time to handle service request (min.max,median)
* Data content exchanged to
  + enable calculation of ??
  + compare voyages to as-is situation (without STM)
  + evaluate the usage of RTZ, TXT, S124 and PCM in the operational context

The following functions is expected to be performed on aggregated set of logfiles

* Time sequence (latency etc) around exchange of voyage plan
* Total/Median number of events around a voyage

The following requirements have been captured for the service instances

* Each service instance shall log incoming events on the public side (towards SeaSWIM)
* Each service instance shall log outgoing events on the public side (towards SeaSWIM)
* Each service instance shall log incoming data (payload RTZ, TXT, S124,PCM) exchanged on the public side (towards SeaSWIM)
* Each service instance shall log outgoing data (payload RTZ, TXT, S124,PCM) exchanged on the public side (towards SeaSWIM)
* Each log row shall be stamped with service instance identifier (MRN) of the service in focus
* Each log row shall be timestamped in DateTime UTC
* Each log row shall be stamped with the public service operation in focus
* Each log row shall be stamped with opposite party Organisation and Entity ID in MRN format
* The log from the service shall be possible to exchange in Excel, CSV, SQL or XML format.
* The log shall be possible to analyse by machine….

# Service Log Description

The following events are proposed to generate a log:

* Messages in and out of VIS
  + VIS – SeaSWIM service
* Failure events
  + Schema validation failure
  + Service operation failure

|  |  |
| --- | --- |
| **Events for VIS** | |
| **Event** | **Log description** |
| getVoyagePlans | Log event  Log returned data |
| subscribeToVoyagePlan | Log event |
| uploadVoyagePlan | Log event and incoming data |
| uploadTextMessage | Log event and incoming data |
| uploadArea | Log event and incoming data |
| acknowledgement | Log event |
| <outgoing service call>  ->uploadVoyagePlan  ->uploadTextMessage  ->uploadArea  ->acknowledgement | Log event and outgoing data |
| <outgoing service call>  ->acknowledgement | Log event |
|  |  |

# Log as model



### LogEvent

Contains event log for evaluation of STM

|  |  |
| --- | --- |
| **Element Name** | **Attributes** |
| **LogEvent** | |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Name** | | **Type** | | **Description** | | UID | long | | Unique internal id | | | time | dateTime | | Timestamp of log, DateTime in UTC (e.g. 2017-03-29T11:33:00Z) | | | serviceInstanceId | string | | ID of the service instance generating the log in MRN format | | | externalOrgId | string | | Organisation ID for the external/opposite service instance (not my own ID) | | | externalEntityId | string | | Entity ID of the external/opposite service instance (not my own ID) | | | eventNumber | int | | Eventnumber according to list. | | | eventType | int | | Type of event according to list | | | eventParameters | string | | Attached parameters to the event in pair key:value or text/xml | | | eventDataType | int | | Type of event data stored according to list | | | eventData | string | | Attached pay load data to the event according to eventDataType | | |

**Data definition in JSON**

### eventNumber

This table is intended to be common for the STM Project and the content can be found in the document.

|  |  |
| --- | --- |
| **Element Name** | **Attributes** |
| **eventNumber** | |  |  |  |  | | --- | --- | --- | --- | | **Name** | **Type** | | **Description** | | eventNumber | int | Number of event (enumeration) | | | eventNumberName | string | Name on event, in case of a service it should represent a method request and response. | | | eventNumberDescription | string | Description of the event | | |

|  |  |  |
| --- | --- | --- |
| **eventNumber** | **eventNumberName** | **eventNumberDescription** |
| 1 | VIS\_get Voyage Plan\_request |  |
| 2 | VIS\_get Voyage Plan\_response |  |
| 3 | VIS\_upload Voyage Plan\_request |  |
| 4 | VIS\_upload Voyage Plan\_response |  |
| 5 | VIS\_upload Text Message\_request |  |
| 6 | VIS\_upload Text Message\_response |  |
| 7 | VIS\_upload Area Message\_request |  |
| 8 | VIS\_upload Area Message\_response |  |
| 9 | VIS\_subscribe To Voyage Plan\_request |  |
| 10 | VIS\_subscribe To Voyage Plan\_response |  |
| 11 | VIS\_remove Subscribe To Voyage Plan\_request |  |
| 12 | VIS\_remove Subscribe To Voyage Plan\_response |  |
| 13 | VIS\_acknowledgement\_request |  |
| 14 | VIS\_acknowledgement\_response |  |
| 15 | VIS\_publish Message |  |
| 16 | VIS\_send Acknowledgement |  |
| 17 | VIS\_consume Service |  |
| 18 | SPIS\_amss\_request |  |
| 19 | SPIS\_amss\_response |  |
| 20 | SPIS\_state Update\_request |  |
| 21 | SPIS\_state Update\_response |  |
| 22 | SPIS\_consume Service |  |
| 23 | - |  |
| 24 | - |  |
| 25 | - |  |
| 26 | - |  |
| 27 | SPIS\_upload PCM\_response |  |
| 28 | SPIS\_upload PCM\_request |  |
| 29 | VIS\_check Subscribe To Voyage Plan\_request |  |
| 30 | VIS\_check Subscribe To Voyage Plan\_response |  |

### eventType

This table is intended to be common for the STM Project and the content can be found in the document.

|  |  |
| --- | --- |
| **Element Name** | **Attributes** |
| **eventType** | |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Name** | | **Type** | | **Description** | | eventType | int | | Type of event (enumeration) | | | eventTypeName | string | | Name on event type | | | eventTypeDescription | string | | Description of the event type | | |

|  |  |  |
| --- | --- | --- |
| **eventType** | **eventTypeName** | **eventTypeNameDescription** |
| 1 | Successful |  |
| 2 | Error\_schema |  |
| 3 | Error\_parameters |  |
| 4 | Error\_communication |  |
| 5 | Error\_internal |  |
| 6 | Error\_authorization |  |
| 7 | Info |  |

### eventDataType

This table is intended to be common for the STM Project and the content can be found in the document.

|  |  |
| --- | --- |
| **Element Name** | **Attributes** |
| **eventDataType** | |  |  |  |  | | --- | --- | --- | --- | | **Name** | **Type** | | **Description** | | eventDataType | int | Type of event data (enumeration) | | | eventDataTypeName | string | Name on event data type | | | eventDataTypeDescription | string | Description of the event data type | | |

|  |  |  |
| --- | --- | --- |
| **eventDataType** | **eventDataTypeName** | **eventDataTypeDescription** |
| 1 | RTZ |  |
| 2 | TXT |  |
| 3 | PCM |  |
| 4 | S124 |  |
| 5 | Error Message |  |
| 6 | Other |  |
| 7 | Unknown |  |
| 8 | None |  |

# Log as XSD

<?xml version="1.0" encoding="utf-8"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="LogEvent" type="LogEvent"/>

<xs:complexType name="LogEvent">

<xs:annotation>

<xs:documentation>Contains event log for evaluation of STM</xs:documentation>

</xs:annotation>

<xs:sequence>

<xs:element name="UID" type="xs:long" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Unique internal id</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="time" type="xs:dateTime" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Timestamp of log, DateTime in UTC (e.g. 2017-03-29T11:33:00Z)</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="serviceInstanceId" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>ID of the service instance generating the log in MRN format</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="externalOrgId" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Organisation ID for the external/opposite service instance (not my own ID)</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="externalEntityId" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Entity ID of the external/opposite service instance (not my own ID)</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventNumber" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Eventnumber according to list. </xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventType" type="xs:int" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Type of event according to list</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventParameters" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Attached parameters to the event in pair key:value or text/xml</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventDataType" type="xs:int" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Type of event data stored according to list</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventData" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Attached pay load data to the event according to eventDataType</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventNumber" type="eventNumber" minOccurs="1" maxOccurs="1"/>

<xs:element name="eventType" type="eventType" minOccurs="1" maxOccurs="1"/>

<xs:element name="eventDataType" type="eventDataType" minOccurs="1" maxOccurs="1"/>

</xs:sequence>

</xs:complexType>

<xs:element name="eventNumber" type="eventNumber"/>

<xs:complexType name="eventNumber">

<xs:annotation>

<xs:documentation>This table is intended to be common for the STM Project and the content can be found in the document.</xs:documentation>

</xs:annotation>

<xs:sequence>

<xs:element name="eventNumber" type="xs:int" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Number of event (enumeration)</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventNumberName" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Name on event, in case of a service it should represent a method request and response.</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventNumberDescription" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Description of the event</xs:documentation>

</xs:annotation>

</xs:element>

</xs:sequence>

</xs:complexType>

<xs:element name="eventType" type="eventType"/>

<xs:complexType name="eventType">

<xs:annotation>

<xs:documentation>This table is intended to be common for the STM Project and the content can be found in the document.</xs:documentation>

</xs:annotation>

<xs:sequence>

<xs:element name="eventType" type="xs:int" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Type of event (enumeration)</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventTypeName" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Name on event type</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventTypeDescription" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Description of the event type</xs:documentation>

</xs:annotation>

</xs:element>

</xs:sequence>

</xs:complexType>

<xs:element name="eventDataType" type="eventDataType"/>

<xs:complexType name="eventDataType">

<xs:annotation>

<xs:documentation>This table is intended to be common for the STM Project and the content can be found in the document.</xs:documentation>

</xs:annotation>

<xs:sequence>

<xs:element name="eventDataType" type="xs:int" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Type of event data (enumeration)</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventDataTypeName" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Name on event data type</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="eventDataTypeDescription" type="xs:string" minOccurs="1" maxOccurs="1">

<xs:annotation>

<xs:documentation>Description of the event data type</xs:documentation>

</xs:annotation>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:schema>

# Format for log exchange

TBD

# APPENDIX Example

This example is given as a table but could be exchanged to the format decided by the project.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| UID | time | serviceInstanceId | eventNumber | eventType | externalOrgId | externalEntityId | eventParameters | eventDataType | | eventData |
| 0 | 2017-02-03T08:20:00Z | “urn:mrn:stm:service:instance:imo5138539” | 1 | 1 | “urn:mrn:stm:org:vts\_sound” | “urn:mrn:stm:service:instance:vts\_sound:vis-ems” |  |  |  | |
| 1 | 2017-02-03T08:20:01Z | “urn:mrn:stm:service:instance:imo5138539” | 2 | 1 | “urn:mrn:stm:org:vts\_sound” | “urn:mrn:stm:service:instance:vts\_sound:vis-ems” |  | 1 | <RTZ 1 xml>  <RTZ 2 xml> | |

2017-02-03T08:20:00Z; “urn:mrn:stm:service:instance:imo5138539”; 1; 1; “urn:mrn:stm:org:vts\_sound”; “urn:mrn:stm:service:instance:vts\_sound:vis-ems”; ; ;

2017-02-03T08:20:01Z; “urn:mrn:stm:service:instance:imo5138539”; 2; 1; “urn:mrn:stm:org:vts\_sound”; “urn:mrn:stm:service:instance:vts\_sound:vis-ems”; ;RTZ ;<RTZ in XML><RTZ in XML>

# APPENDIX Example from SMA-VIS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **EventTime** | **ServiceInstanceId** | **EventNumber** | **EventType** | **ExternalOrgId** | **ExternalEntityId** | **EventParameters** | **EventDataType** | **EventData** |
| 3519 | 2017-03-31 08:23:16.000 | Dev1 | 17 | 7 | NULL | NULL |  | 7 | { "body": "<?xml version=\"1.0\" encoding=\"UTF-8\"?>\r\n<route xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance\"\r\n xmlns=\"http://www.cirm.org/RTZ/1/1\" version=\"1.1\"\r\n xmlns:stm=\"http://www.cirm.org/STM/1/0/0\"> \r\n <routeInfo routeStatus=\"1\" vesselVoyage=\"urn:mrn:stm:voyage:id:gothenborg:0062\" routeName=\"In 6 2 S.Trub via S.Ch to Frihamnen\">\r\n <extension xsi:type=\"stm:RouteInfoExtension\" manufacturer=\"STM\" name=\"routeInfoEx\" version=\"1.0.0\"\r\n routeStatusEnum=\"1\" routeVersion=\"BCF8ABB2-4BE2-4082-8718-E3594734A506\">\r\n <stm:routeChanges>\r\n <stm:historyItem dateTime=\"2016-10-20T11:14:41Z\" author=\"Simon Ross\"\r\n reason=\"initial creation\"/>\r\n <stm:historyItem dateTime=\"2016-10-21T09:12:29Z\" author=\"William Brown\"\r\n reason=\"corrections for reference points using\"/>\r\n </stm:routeChanges>\r\n </extension>\t\t\r\n\t</routeInfo>\t\r\n <waypoints>\r\n <defaultWaypoint radius=\"0.30\">\r\n <leg portsideXTD=\"0.10\" starboardXTD=\"0.10\" safetyContour=\"30.00\" safetyDepth=\"30.00\" geometryType=\"Loxodrome\"/>\r\n </defaultWaypoint>\r\n <waypoint id=\"1\" name=\"Pilot Boarding #2\">\r\n <position lat=\"57.61666667\" lon=\"11.53166667\"/>\r\n </waypoint>\r\n <waypoint id=\"2\" name=\"South Trubaduren\" radius=\"1.00\">\r\n <position lat=\"57.57860967\" lon=\"11.63289813\"/>\r\n </waypoint>\r\n <waypoint id=\"3\" name=\"Uppgrund\" radius=\"1.00\">\r\n <position lat=\"57.63064897\" lon=\"11.69343197\"/>\r\n </waypoint>\r\n <waypoint id=\"4\" name=\"Böttö Västra\" radius=\"0.75\">\r\n <position lat=\"57.64846208\" lon=\"11.70552323\"/>\r\n <leg portsideXTD=\"0.05\" starboardXTD=\"0.05\"/>\r\n </waypoint>\r\n <waypoint id=\"5\" name=\"Brandnäs\" radius=\"0.75\">\r\n <position lat=\"57.65411460\" lon=\"11.73797093\"/>\r\n <leg portsideXTD=\"0.04\" starboardXTD=\"0.04\"/>\r\n </waypoint>\r\n <waypoint id=\"6\" name=\"Gäveskär\" radius=\"0.75\">\r\n <position lat=\"57.65927118\" lon=\"11.77147660\"/>\r\n <leg portsideXTD=\"0.04\" starboardXTD=\"0.04\"/>\r\n </waypoint>\r\n <waypoint id=\"7\" name=\"Knippelholmen\" radius=\"0.75\">\r\n <position lat=\"57.67871892\" lon=\"11.81044767\"/>\r\n <leg portsideXTD=\"0.05\" starboardXTD=\"0.05\"/>\r\n </waypoint>\r\n <waypoint id=\"8\" name=\"Älvsborg\" radius=\"0.50\">\r\n <position lat=\"57.68231782\" lon=\"11.84212450\"/>\r\n <leg portsideXTD=\"0.05\" starboardXTD=\"0.05\"/>\r\n </waypoint>\r\n <waypoint id=\"9\" name=\"Tångudden\" radius=\"0.50\">\r\n <position lat=\"57.68578157\" lon=\"11.86466257\"/>\r\n <leg portsideXTD=\"0.05\" starboardXTD=\"0.05\"/>\r\n </waypoint>\r\n <waypoint id=\"10\" name=\"Rya Nabbe\" radius=\"0.50\">\r\n <position lat=\"57.68738535\" lon=\"11.88169400\"/>\r\n <leg portsideXTD=\"0.03\" starboardXTD=\"0.03\"/>\r\n </waypoint>\r\n <waypoint id=\"11\" name=\"Berth 551\" radius=\"0.50\">\r\n <position lat=\"57.68793653\" lon=\"11.88653580\"/>\r\n <leg portsideXTD=\"0.03\" starboardXTD=\"0.03\"/>\r\n </waypoint>\r\n <waypoint id=\"12\" name=\"Nya Varvet\" radius=\"0.50\">\r\n <position lat=\"57.68908717\" lon=\"11.89356342\"/>\r\n <leg portsideXTD=\"0.03\" starboardXTD=\"0.03\"/>\r\n </waypoint>\r\n <waypoint id=\"13\" name=\"Älvsborgsbron\" radius=\"0.50\">\r\n <position lat=\"57.69070557\" lon=\"11.90186660\"/>\r\n <leg portsideXTD=\"0.03\" starboardXTD=\"0.03\"/>\r\n </waypoint>\r\n <waypoint id=\"14\" name=\"Eriksberg\" radius=\"0.50\">\r\n <position lat=\"57.69843738\" lon=\"11.91682078\"/>\r\n <leg portsideXTD=\"0.03\" starboardXTD=\"0.03\"/>\r\n </waypoint>\r\n <waypoint id=\"15\" name=\"Fiskhamnskröken\" radius=\"0.50\">\r\n <position lat=\"57.70117828\" lon=\"11.92413192\"/>\r\n <leg portsideXTD=\"0.02\" starboardXTD=\"0.02\"/>\r\n </waypoint>\r\n <waypoint id=\"16\" name=\"Lindholmen\">\r\n <position lat=\"57.70204982\" lon=\"11.93571522\"/>\r\n <leg portsideXTD=\"0.02\" starboardXTD=\"0.02\"/>\r\n </waypoint>\r\n <waypoint id=\"17\" name=\"Floating Dock 190\">\r\n <position lat=\"57.70303502\" lon=\"11.94615192\"/>\r\n <leg portsideXTD=\"0.02\" starboardXTD=\"0.02\"/>\r\n </waypoint>\r\n <waypoint id=\"18\" name=\"P-Arken\">\r\n <position lat=\"57.70539105\" lon=\"11.95377472\"/>\r\n <leg portsideXTD=\"0.02\" starboardXTD=\"0.02\"/>\r\n </waypoint>\r\n <waypoint id=\"19\" name=\"Berth 195\" radius=\"0.20\">\r\n <position lat=\"57.70806748\" lon=\"11.95559452\"/>\r\n <leg portsideXTD=\"0.02\" starboardXTD=\"0.02\"/>\r\n </waypoint>\r\n <waypoint id=\"20\" name=\"Frihamnen\" radius=\"0.20\">\r\n <position lat=\"57.71167705\" lon=\"11.95618450\"/>\r\n <leg portsideXTD=\"0.02\" starboardXTD=\"0.02\"/>\r\n </waypoint>\r\n </waypoints>\r\n <schedules>\r\n <schedule id=\"0\" name=\"Base Calculation\"/>\r\n </schedules>\r\n <extensions>\r\n <extension name=\"ActivePath\" manufacturer=\"Transas\">\r\n <path>\r\n <wp\_ids>\r\n <wp\_id value=\"1\"/>\r\n <wp\_id value=\"2\"/>\r\n <wp\_id value=\"3\"/>\r\n <wp\_id value=\"4\"/>\r\n <wp\_id value=\"5\"/>\r\n <wp\_id value=\"6\"/>\r\n <wp\_id value=\"7\"/>\r\n <wp\_id value=\"8\"/>\r\n <wp\_id value=\"9\"/>\r\n <wp\_id value=\"10\"/>\r\n <wp\_id value=\"11\"/>\r\n <wp\_id value=\"12\"/>\r\n <wp\_id value=\"13\"/>\r\n <wp\_id value=\"14\"/>\r\n <wp\_id value=\"15\"/>\r\n <wp\_id value=\"16\"/>\r\n <wp\_id value=\"17\"/>\r\n <wp\_id value=\"18\"/>\r\n <wp\_id value=\"19\"/>\r\n <wp\_id value=\"20\"/>\r\n </wp\_ids>\r\n </path>\r\n </extension>\r\n </extensions>\r\n</route>\r\n", "endpointMethod": "https://stmvisdev.cloudapp.net/dev2/voyagePlans", "headers": [ { "key": "content-type", "value": "text/xml; charset=UTF8" } ], "requestType": "POST" } |
| 3425 | 2017-03-30 10:32:02.580 | Dev1 | 1 | 7 | urn:mrn:stm:org:sma | urn:mrn:stm:service:instance:sma:imo7347627 | uvid = , routeStatus = | 8 | NULL |
| 3368 | 2017-03-29 09:27:25.307 | Dev1 | 2 | 1 | urn:mrn:stm:org:sma | urn:mrn:stm:service:instance:sma:imo7347627 | uvid = , routeStatus = | 6 | { "lastInteractionTime": "2017-03-29T09:27:24.5181728Z", "voyagePlans": [ { "route": "<?xml version=\"1.0\" encoding=\"utf-16\"?>\r\n<route version=\"1.1\" xmlns=\"http://www.cirm.org/RTZ/1/1\">\r\n <routeInfo routeName=\"AROUNDtheSKAGEN\" routeAuthor=\"Simon Ross\" routeStatus=\"7\" validityPeriodStart=\"2016-10-20T03:15:00Z\" validityPeriodStop=\"2016-10-22T10:15:00Z\" vesselName=\"Pegasus\" vesselMMSI=\"220348970\" vesselIMO=\"3798347\" vesselVoyage=\"urn:mrn:stm:voyage:id:acme:b6d7b492-ab3c-42f2-8afd-116c3d872f0c\" vesselDisplacement=\"157\" vesselCargo=\"14\" vesselGM=\"2.16\" vesselMaxRoll=\"17\" vesselMaxWave=\"9.4\" vesselMaxWind=\"55.3\" vesselSpeedMax=\"23.8\" vesselServiceMin=\"16.9\" vesselServiceMax=\"21.4\" routeChangesHistory=\"2016-10-20T11:14:41Z, Simon Ross, initial creation;&#xD;&#xA; 2016-10-21T09:12:29Z, William Brown,&#xD;&#xA; corrections for reference points using\">\r\n <extensions>\r\n <routeInfoExtensionSTM manufacturer=\"STM\" version=\"1.0.0\" name=\"routeInfoEx\" routeStatusEnum=\"7\" routeVersion=\"7D1DFAEC-3521-49D1-9EB1-E81805C43CFE\" personsOnBoard=\"28\" depPort=\"RULED\" arrPort=\"SEGOT\" depPortCallId=\"urn:mrn:stm:portcdm:port\_call:RULED:C44928d8-0e93-46Be-baf9-b824e0fdbe90\" arrPortCallId=\"urn:mrn:stm:portcdm:port\_call:SEGOT:D44928d8-0e93-46Be-baf9-b824e0fdbe80\" startSeaPassage=\"PILOT\_BOARDING\_AREA:WP3\" endSeaPassage=\"BERTH:WP209\">\r\n <routeChanges>\r\n <historyItem dateTime=\"2016-10-20T11:14:41Z\" author=\"Simon Ross\" reason=\"initial creation\" />\r\n <historyItem dateTime=\"2016-10-21T09:12:29Z\" author=\"William Brown\" reason=\"corrections for reference points using\" />\r\n </routeChanges>\r\n </routeInfoExtensionSTM>\r\n </extensions>\r\n </routeInfo>\r\n <waypoints>\r\n <defaultWaypoint radius=\"0.10\">\r\n <leg portsideXTD=\"0.10\" starboardXTD=\"0.10\" 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