SERVICE MESSAGE DESCRIPTION

MIK PUBLIC WEBSERVICE V1.0

Content

TABLE 1 DOCUMENT HISTORY

Version	When	Who	What
1.0	25/03/2011	Niels Hulstaert	Document setup
1.1	30/03/2011	Johan Philippe	Comment integration (field validation)

Objective of this document

This document describes request and response messages.

In principle the messages are as well documented via annotations in the corresponding XSD file. The documentation in the XSD is limited to the business entities. Relationships between business entities are additionally described in this document.

The complete functional package contains: Service Message Content, Service Error Codes, Service Test plans and service management documents.

Target group

This document is intended to be read by analysts and developers.
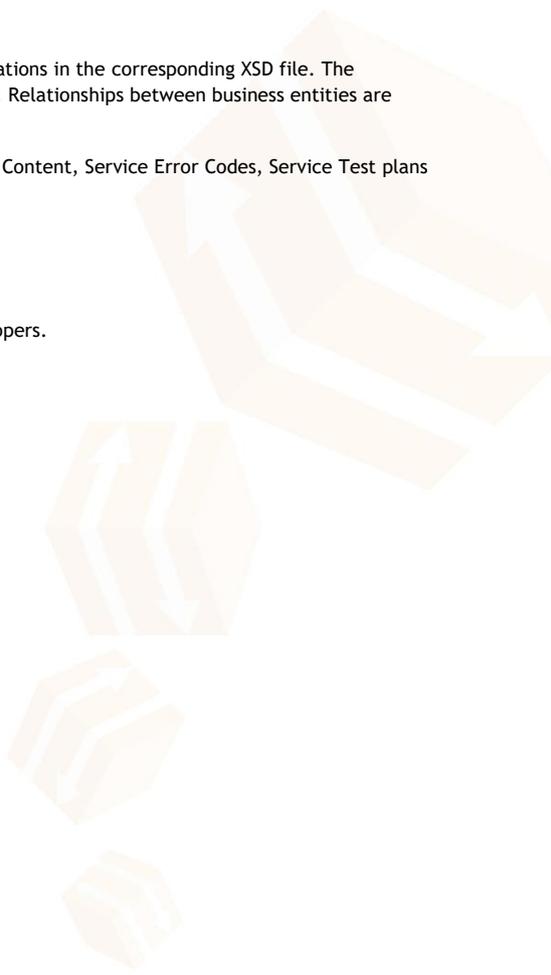
1. Introduction

This document concerns the input and output messages of the Mik Public Webservice.

2. Request and response messages

2.1. GENERAL STRUCTURE

2.1.1. Request message

In this section, operation common request elements are described. In the operation sections, specific operation elements will be described.

2.1.1.1 ShipIdentification

The request message for all service operations except *StopSubscriptonToNewPositionsRequest* contains the *ShipIdentification* element seen below. This element identifies the ship the consumer is requesting position data for.

Generated by XmlSpy   www.altova.com
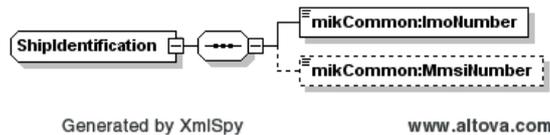
It contains the types *ImoNumber* and *MmsiNumber*.

Input parameter	Optional / Mandatory	Description
ImoNumber	M	Internationally recognized unique identification number (consisting of 7 digits), inseparably linked to the ship.
MmsiNumber	O	Number of the mobile radio station of the ship, consisting of 9 digits.

The format of these fields is defined in the XSD and values with an incorrect structure will be rejected by the message validation.

2.1.1.2 AccesType

The acces type of the LRIT position request. The possible values are:

- 1: Coastal

- 2: Flag

- 3:Port with distance trigger from port or portfacility

- 5: Port with time trigger

- 6: SAR

This field is defined as an XSD enumeration which means that the use of any other values will cause the message to be invalid.

2.1.1.3 PortOrPlaceIdentificationType

The request message for service operations *AdHocAggregatedLritPositionRequest* and *MostRecentAggregatedLritPositionRequest* contains the *PortOrPlaceIdentificationType* element seen below.

Generated by XmlSpy   www.altova.com
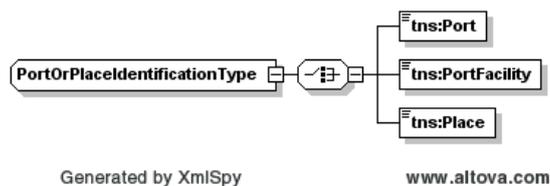
This element contains the UN/LOCODES for *port*, *portfacility* or *place*. The *portOrPlaceIdentificationType* should only be filled in if the *AccesType* element of the request is 5 (Port Trigger with time trigger).

The format of these fields is defined in the XSD and values with an incorrect structure will be rejected by the message validation.

2.1.2. Response message

All service operations except *SubscribeToNewPositionsRequest* return a synchronous technical acknowledgement response, containing the standard FSB *Ack* element.

2.2. SUBSCRIBETONEWPOSITIONSREQUEST

2.2.1. Request message

2.2.1.1 RequestType

The request type of the LRIT position request. The possible values are:

- 1: One time poll of ship

- 2: 15 min periodic rate

- 3: 30 min periodic rate

- 4: 1 h periodic rate

- 5: 3 h periodic rate

- 6: 6 h periodic rate

- 7: Archived LRIT information request

- 8: Stop / don't start sending position reports

- 9: Most recent position report

- 10: 12 h periodic rate

- 11: 24 h periodic rate

This field is defined as an XSD enumeration which means that the use of any other values will cause the message to be invalid.

2.2.2. Response message

A subscription requestId is returned.

3. Basic service information

3.1. CONTACT INFORMATION

Table 1 Contact information

1	Service Owner	Fabien Nkundabagenzi fabien.nkundabagenzi@fedict.be
	Service Desk	ServiceDesk@fedict.be +32 78 150312 +32 2 2129674
	Service Release Date	June 2011

3.2. SERVICE ACCESS PARAMETERS

Table 2 Service access parameters get basic person information

Endpoint URL (Test & Acceptance)	N/A	Field Code Changed
Endpoint URL (Production)	N/A	Field Code Changed
Message exchange pattern(s)	Synchronous	
Message protocol	SOAP	
Transport-level security	1-way SSL with digital certificate	
Message-level security	WS-Security X.509 certificate token for message body	