



## SERVICE MESSAGE DESCRIPTION

## MIK RESPONSE WEBSERVICE V1.0

Fedict - Federale Overheidsdienst ICT  
Fedict - Service Public Fédéral ICT



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TABLE 1 DOCUMENT HISTORY

Version	When	Who	What
1.0	25/03/2011	Niels Hulstaert	Document setup
2			

## 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 Response 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.

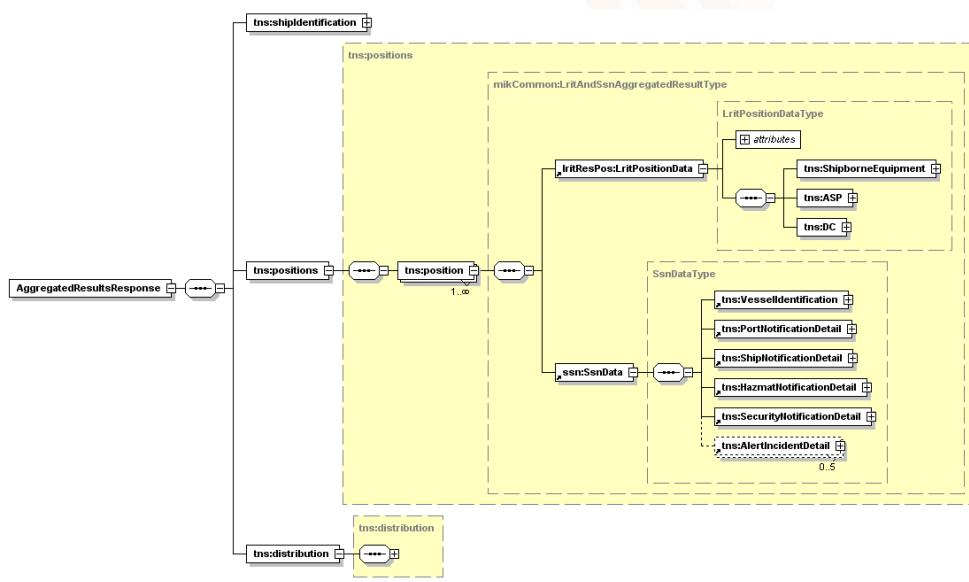
#### 2.1.2. Response message

Both service operations return a synchronous technical acknowledgement response, containing the standard FSB Ack element.

### 2.2. AGGREGATEDRESULTSRESPONSE

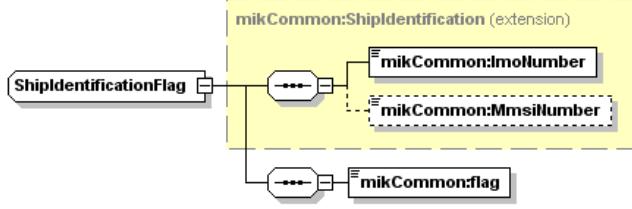
#### 2.2.1. Request message

##### 2.2.1.1 Overview



##### 2.2.1.2 ShipIdentificationFlag

The request messages for both service operations contain the *Shipidentification* element seen below. This element identifies the ship the consumer has requested position data for.



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 second element is the flag of the ship. This is represented by a 4-digit code, namely the LRIT ID of the country which is sending the LRIT position of the ship.

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

### 2.2.1.3 LritPositionData

This element contains the position data from LRIT. Some child elements are shortly described in the following table. For further details, see the LRIT document in the appendix.

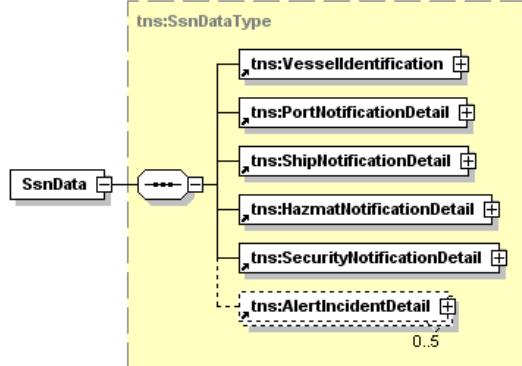
Parent element	Element	Description
Shipborne Equipment	LRIT_Latitude	GNSS latitude position of ship (based on the WGS84 datum) in degrees, minutes and decimal minutes to two decimal places N(North) /S (South).
	LRIT_Longitude	GNSS longitude position of ship (based on the WGS84 datum in degrees, minutes and decimal minutes to two decimal places E (East)/W (West).
ASP	LRIT_ReportedIMONumber	Value of the IMONum parameter of the corresponding LRIT position report.
	LRIT_ReportedMMSINumber	Value of the MMSINum parameter of the corresponding LRIT position report.
DC	EULRITDC_MessageType	Constant value: 601.
	LRIT_MessageType	Possible values:

		1: Periodic report 2: Polled report 3: SAR report
	LRIT_ReferenceId	The value of the LRIT_MessageId parameter in the request associated with this position report.  Not included or empty in case of mandatory periodic reports and reports resulting from coastal standing orders.
	LRIT_ResponseType	Possible values:  1: Coastal 2: Flag 3: Port 4: SAR
	LRIT_DataUserRequestor	The LRIT ID of the requestor.
	LRIT_ReportedShipName	Value of the ShipName parameter of the corresponding LRITposition report.
	LRIT_DataServiceProvider	The LRIT ID of the provider (Flag State) of the LRIT position report.
	LRIT_DDPVersionNum	The LRIT DDP version number.
	LRIT_Test	Value of the Test parameter of the corresponding LRIT position report.
	LRIT_SchemaVersion	The version of the set of XML schema files that define the LRIT messages exchanged between the EU DC and the IDE. This parameter is informative only and no processing action is required by the receiving ES.

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

#### 2.2.1.4 SsnData

This element contains the position data from SSN.



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All elements are described in the SSN document listed in the appendix. In the following table, the reference sections and subsections are shown.

Element	Reference section	Reference subsection
PortNotificationDetail	3.5	SSN2MS_Port_Res.xml message
ShipNotificationDetail	3.6	SSN2MS_Ship_Res.xml message
HazmatNotificationDetail	3.7	SSN2MS_Hazmat_Res.xml message
SecurityNotificationDetail	3.8	SSN2MS_Security_Res.xml message
AlertIncidentDetail	3.9	SSN2MS_Alert_Res.xml message

## Appendix

### REFERENCE DOCUMENTS

For more details the references provided by LRIT and SSN have to be consulted.

Description	English reference	URL
LRIT XML technical specification	LRIT_TR_XML-Interface-Implementation-Guidelines_v1.1.pdf	N/A
SSN XML messaging guide	SSN-XMLMessagingRefGuide-02_05.pdf	<a href="https://extranet.emsa.europa.eu/index.php?option=com_joomdoc&amp;task=doc_download&amp;gid=1238&amp;Itemid=121">https://extranet.emsa.europa.eu/index.php?option=com_joomdoc&amp;task=doc_download&amp;gid=1238&amp;Itemid=121</a>

Remark: the references in the table above are the current available versions and may change

## 3. Basic service information

### 3.1. CONTACT INFORMATION

Table 1 Contact information

1 Service Owner	Fabien Nkundabagenzi <a href="mailto:fabien.nkundabagenzi@fedict.be">fabien.nkundabagenzi@fedict.be</a>
Service Desk	<a href="mailto:ServiceDesk@fedict.be">ServiceDesk@fedict.be</a> +32 78 150312 +32 2 2129674
Service Release Date	June 2011

### 3.2. SERVICE ACCESS PARAMETERS

Table 2 Service access parameters

Endpoint URL (Test & Acceptance)	<a href="#">N/A</a>
Endpoint URL (Production)	<a href="#">N/A</a>
Message exchange pattern(s)	Asynchronous
Message protocol	SOAP
Transport-level security	To be determined
Message-level security	No security

Field Code Changed

Field Code Changed