



Large Account

Web Service Specification
v 3.6

Doc Revision 3



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Document Update Record

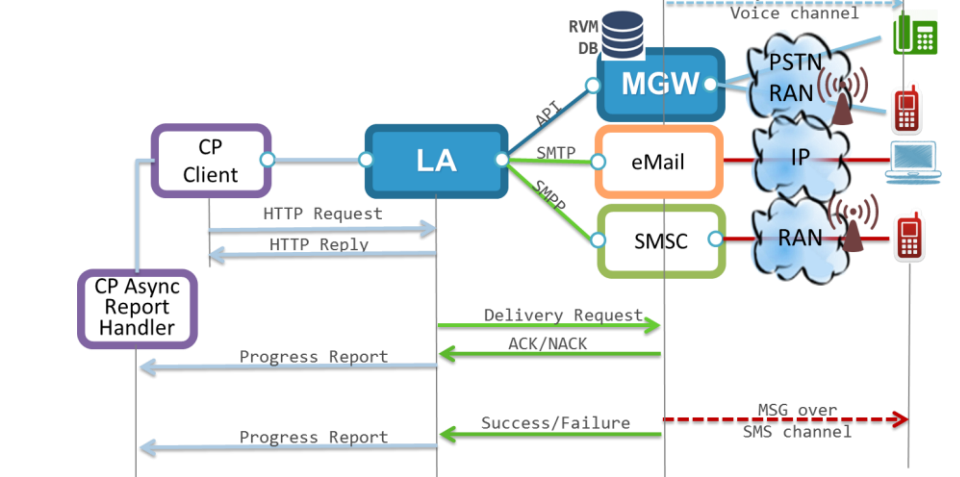
Release	Description of Changes	Editor Rev	Date
3.6	Public Release for LA WS Version 3.6	1	9/6/2016
3.6	Add sendivr examples	2	08/02/2018
3.6	Update http URL	3	18/03/2018

Purpose

This document specifies web services that allow integrating Large-Account Service in client's applications

Audience

This guide is intended for developers of Applications that facilitate Web Services provided by the Large-Account



Note: registration with LA/WS that permits its use is described in LA Admin Guide

2 Before you start

2.1 Preconditions

The following requirements must be met before using LA/WS (see Section [2.5](#) for detailed description)

To use SMS or eMail Delivery Service

- **Credentials of the User and Account:** The name of your Account, Name of User and its Password must be registered with LA. User must be associated with Account
- **Source IP address** – all LA/WS requests from a client must originate from IP associated with the Account of the client.

To use IVR Delivery Service

- As above
- **VN of the Account:** Virtual Number used by the client of the service must be associated with its Account

2.2 The Method and End-Points on LA

LA/WS is provided over HTTP and HTTPS. All service requests are POST requests.

The end-points of the service are defined in the following table:

Table 1 Endpoints of LA

Type of Access	The Endpoint
HTTPS	https://la.cellactpro.com/laweb/service/SendSms.asmx
HTTP	http://la1.cellactpro.com/SendSms.asmx

Note: In this document we use acronym HTTP to represent both HTTP and HTTPS options

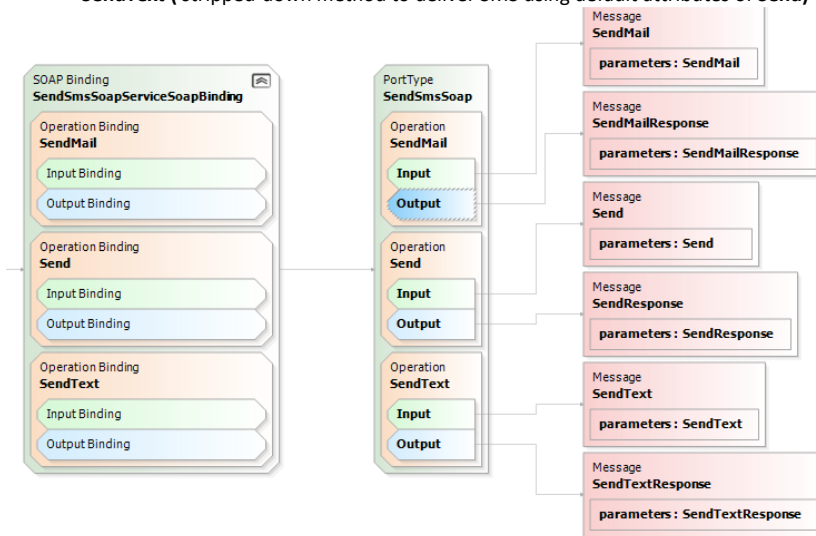
2.3 End-Points on CP for Asynchronous Messages

CP may provide endpoints to receive asynchronous messages, such as “delivery progress reports”. LA supports “delivery progress” reporting using ~~both eMail and~~ HTTP. The endpoints specified by CP must allow access from LA.

2.4 Quick Glance at the Service

LA/WS provides the following services using format specified by SOAP:

- **SendMail**
- **Send** (SMS or Recorded Announcement)
- **SendText** (stripped-down method to deliver SMS using default attributes of **Send**)



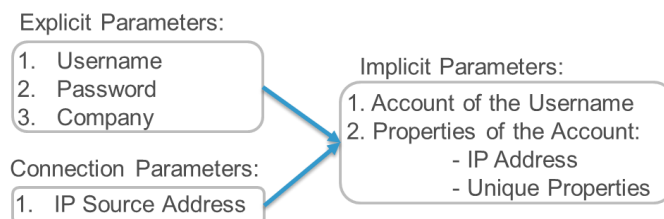
2.5 Authorization to use the Service

Validation of Account's properties

LA/WS is provided to clients that operate on behalf of their accounts. The following properties of an account are essential to use LA/WS services:

- **IP addresses** – any request LA/WS service must originate from IP Address that is associated with the account.
- The caller (username, password) is listed as the member of the **account** ("company") that is registered to use LA

The following chart shows how parameters of the caller (Credentials and IP) are used to authorize client's access to the service



The value specified by the **Company** tag is used to validate that:

- The **IP Source Address** of the caller is registered (“white-listed”) on **Large-Account** Server and is associated with the account
- **Username** is associated with the account

Validation of User’s properties

Once properties of the caller’s Account have been validated (known “Company” name and registered source IP address), LA/WS asserts properties of the caller:

- The **Username** is registered on LA Server as the member of the account (**Company**)
- The **Password** is registered on LA Server and is associated with the **Username**
- The status of the **Username** allows using LA/WS services (the user is not disabled)

2.6 Description of attributes of Service

Attributes of WS Service are specified in this document using the following table template:

Name	M	Description	Type	Range
Name of the Attribute	Yes -Mandatory No - Optional	Description of the attribute	Type of the attribute	Allowed range

3 Common Principles

This chapter specifies common characteristics shared by all **LA/WS** Requests and Responses

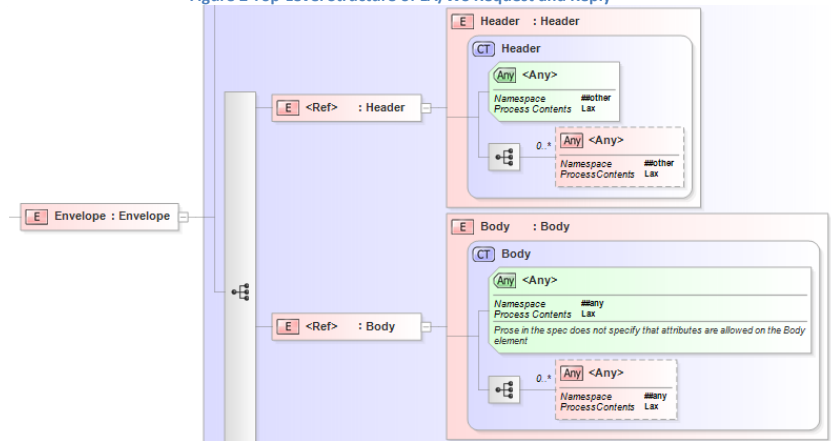
3.1 Structure of Request

All **LA/WS** Requests are HTTP **POSTs**. The HTTP Body of any request is structured according to the SOAP **<Envelope>** structure as defined in

<http://schemas.xmlsoap.org/soap/envelope/> <https://schemas.xmlsoap.org/soap/envelope/>.

In particular, the SOAP **<Envelope>** carries **<soapenv:Header>** and **<soapenv:Body>** sections

Figure 2 Top-Level Structure of LA/WS Request and Reply



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In the case of **LA/WS**:

- the **Header** section is empty: **<soapenv:Header/>**
- the **Body**(**<soapenv:Body>**) is structured as follows:
 - The "root" attribute of the **Body** specifies the intended service:
Send, SendText, SendMail
 - Parameters subtended to the "root" are specific to the specified service. Nevertheless, each service request carries in its body the **Credentials** of the caller.

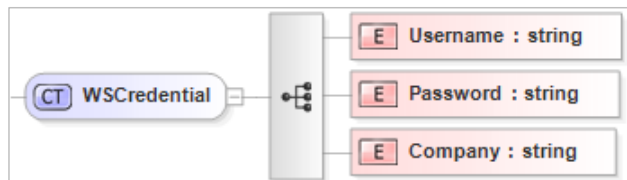


Table 2 Credentials

Name	M	Description	Type	Range
Username	yes	Name of a representative of account as it is registered in LA	string	Up to 30 chars
Password	yes	Password of the UserName as it is registered in LA	string	
Company	yes	Name of the account as it is registered in LA	string	

Example

The following capture shows the content of the HTTP Body of the **SendText** request that intends to deliver SMS to the list of recipients. The content of the soapenv:Body carries the command (**SendText**) and three sections associated with this particular command:

- Credentials of the requestor
- Content to be delivered: **Hello from LA/WS SendText!**
- List of targets: **+972546650000, 054-6650001, 0546650002**

```
POST https://la.cellactpro.com/laweb/service/SendSms.asmx HTTP/1.1
Content-Length: 685
Host: 192.168.50.44
Connection: Keep-Alive
User-Agent: Apache-HttpClient/4.1.1 (java 1.5)

<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:web="http://www.cellact.com/webservices/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:SendText>
      <web:credentials>
        <web:username>QA_user</web:username>
        <web:password>QA_user123</web:password>
        <web:company>QA</web:company>
      </web:credentials>
      <web:content>Hello from LA/WS SendText!</web:content>
      <web:destinationAddressSet>
        <web:string>+972540000000</web:string>
        <web:string>054-6650001</web:string>
        <web:string>0546650002</web:string>
      </web:destinationAddressSet>
    </web:SendText>
  </soapenv:Body>
</soapenv:Envelope>
```

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3.2 Response

3.2.1 The Structure of Response

Requests that are **not accepted** by LA/WS are responded using standard HTTP **4xx** and **5xx** codes.

Requests that are **accepted** by LA/WS are responded with the HTTP **200 (OK)** message while the content of **HTTP body** indicates the outcome of the initial processing of the request.

The body of the HTTP 200 response carries standard SOAP **<Envelope>** structure (see Figure 2):

- the **Header** section is empty: `<soapenv:Header/>`
- The **Body** (`<soapenv:Body>`) carries XML structure that is labeled using the following naming convention:

DoSomething LA/WS request is responded using XML label
 "DoSomethingResponse" that contains section labeled
 DoSomethingResult that contains generic structure
 Result that contains
 the **result** and parameters associated with it

Example: Acceptance of the SendText request

The following is an example of the response to the **SendText** API:

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=UTF-8
Content-Length: 360

<SOAP-ENV:Envelope xmlns:SOAP-
ENV="https://schemas.xmlsoap.org/soap/e
nvelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <SendTextResponse xmlns="http://www.cellact.com/webservices/">
      <SendTextResult>
        <result>true</result>
        <sessionId>ca18093c-1b3b-4ae0-910b-68daa73a5aa9</sessionId>
        <errorDescription/>
      </SendTextResult>
    </SendTextResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

The following table presents the structure of the **Result**. The `<result>` indicates whether LA/WS accepted the request or declined to process it. The other fields provide further details:

Table 3 Structure of the Result

CT Result		The relevance of the SessionId and errorDescription depends on the value of the <code><result></code>	
	E result : boolean		
	0..1 E sessionId : string		
	0..1 E errorDescription : string		

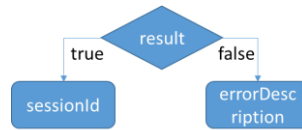


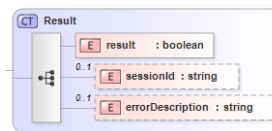
Table 4 Attributes of Result

Name	M	Description	Type	Note
result	yes	true – request has been accepted by LA/WS false – request has been declined	bool	
sessionId	y/n	Applicable when the result==true . Specifies the reference number assigned to this request. Allows to coordinate further messages associated with this request	string	See Section 4.24.2
errorDescription	y/n	Applicable when the result==false . Provides verbal description of the root cause of the rejection	string	See Sections 4.1.34.1.3 , 5.2.35.2.3 , 5.1.35.1.3

3.2.2 Acceptance of the request

Acceptance of the request by **LA/WS** is indicated by `<result>true</result>` in the **Result**.

It is accompanied by `<sessionId>` that is provided to facilitate processing of the follow-up messages and reports associated with the request (See **Confirmation of SMS Delivery** in Section [4.24.2](#)).



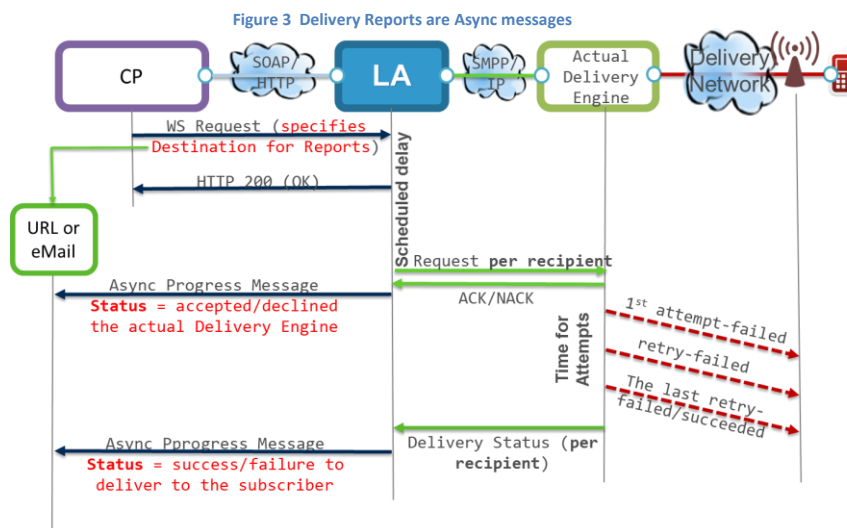
Note: `<result>true</result>` does not indicate that the target recipient(s) received the message. It just indicates that:

1. LA accepted the request, and
2. LA will forward the request (or necessary requests) to the corresponding service realization engine, such as SMSC, IVR or eMail Server (see Figure 1 LA Server in Network).

3.3 Handling Asynchronous Messages

The HTTP 200 (OK) is a **synchronous** response. It indicates that the request has been accepted by LA/WS. However, the client of the LA/WS service may request to receive the outcome of the request (by means of HTTP) when the actual server attempts to fulfill it.

Note: Execution of the request may be explicitly delayed by the caller. In addition, the "Actual Delivery Engine" may use multiple attempts to fulfill it. Therefore, the actual result and the progress message are delivered asynchronously to the request. They are delivered to the specified destination while using the specified delivery method (HTTP)



LA/WS supports 2 methods to receive Status-of-Delivery reports as HTTP GET to the specified URL.

Note: Please see section [4.2](#) for the internal structure of the reports

In addition, LA/WS supports 2 methods that allow the caller to associate async messages (such as progress reports) with the original request:

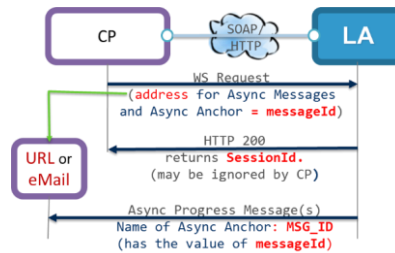
- Using association "anchor" provided by CP Client in the request
- Using association "anchor" provided by LA/WS in HTTP 200 response to the request

3.3.1 Async-Anchor provided by CP Client

Using this method, CP Client provides the “anchor” (**messageId**) in the body of the request. LA/WS applies the provided “anchor” in all follow-up messages associated with the original request.

Please note that the name of this Anchor in the Async Progress Messages is **MSG_ID**, yet it carries the value tagged by the **messageId** in the original request.

Type of Async	Name of Async Anchor in the Async Message
URL	MSG_ID
eMail	MSG_ID



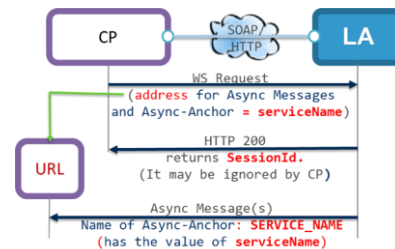
Alternative method that applies to URL only

Using this method, CP Client provides the “anchor” (**serviceName**) in the body of the request. LA/WS applies the provided “anchor” in all follow-up messages associated with the original request.

Please note that the name of this Anchor in the Async Progress Messages is **SERVICE_NAME**, yet it carries the value tagged by the **serviceName** in the original request.

Please note that this method applies to URL only

Type of Async	Name of Async Anchor in the Async Message
URL	SERVICE_NAME

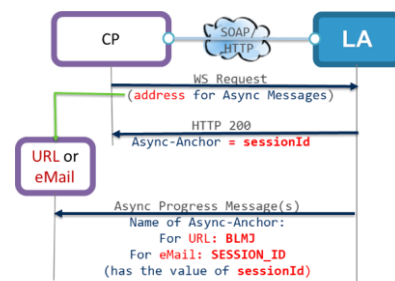


3.3.2 Async-Anchor provided by LA/WS

In this method, LA/WS returns an “anchor” (**sessionId**) in the HTTP 200 (OK) response to the request. LA/WS applies it in all follow-up messages associated with the original request.

Please note that the name of this Anchor in the Async Progress Messages depends on the type of Async Message Handler as specified below. Nevertheless, the value carried in the “anchor” field is equal to the value tagged by the **sessionId** in the response to the original request.

Type of Async	Name of Async Anchor in the Async Message
---------------	---



URL	BLMJ
eMail	SESSION_ID

3.3.3 Summary: Mapping of Async-Anchor Names

The following table summarizes the mapping of Anchor Names

Figure 4 Mapping of Anchor Name

		Name of the corresponding Anchor in the Async Message to	
Async-Anchor provided by	How and when it is provided	Name of Anchor	URL (HTTP)
CP Client	In HTTP POST Request to LA/WS	messageId	MSG_ID
	In HTTP POST Request to LA/WS	serviceName	SERVICE_NAME
LA/WS	In HTTP 200 Response to CP (result=true)	sessionId	BLMJ

3.4 Reports - Tracking the Progress of Delivery

3.4.1 Confirmation of Delivery

The success of SMS delivery to a subscriber depends on the status of network elements in the Mobile Operator's Network and the status of each designated recipient of SMS.

This feature provides progress status as reported by SMSC. It is composed of up to 2 reports per subscriber. The 1st report indicates whether the request has reached the designated SMSC and has been accepted by it. The 2nd report indicates whether the SMS has been delivered to the subscriber.

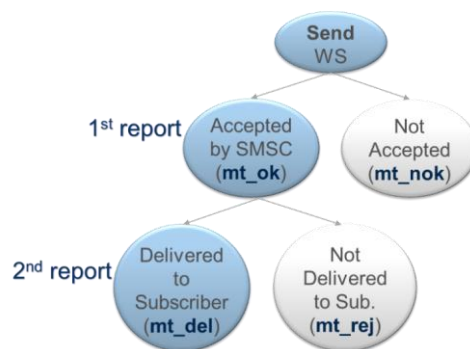


Figure 5 Tracking the progress of message delivery

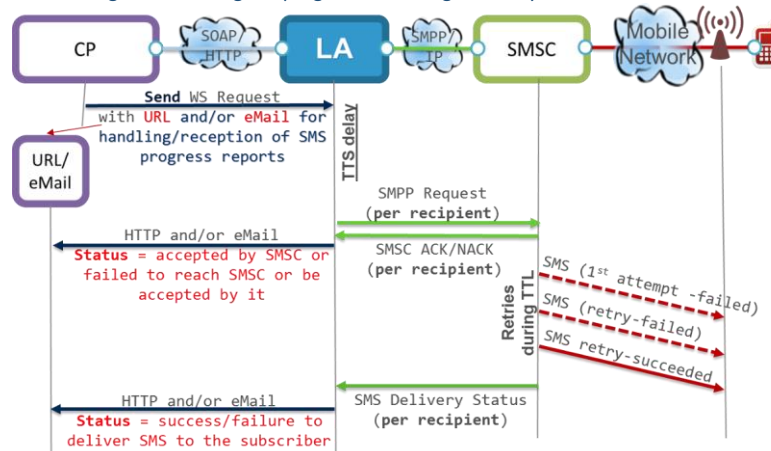


Table 5 SMS Delivery Status

Description	"REASON"
mt_nok The request has been declined by SMSC or SMPP-aware elements on the route to SMSC	See Appendix
mt_ok The message was accepted by SMSC	By default - 5000
mt_rej All attempts (by SMSC) to deliver the message to the destination have failed.	See Appendix
mt_del The message was delivered to the destination	By default - 1000

Example

The following timeline shows reports generated when processing WS **Send** Request with the following delivery attributes:

- TimeToSend - in **45** min,
- 5 Recipients: A, B, C, X and Y
- Status of each recipient during an attempt to deliver SMS – see the table
- TimeToLive – **90** min (pause between retries – some default value (i.e. 30 min))

Table 6 SMS Delivery Timeline and the corresponding reports

Time relative to WS Send reception (by LA)		45+0	45+30	45+60	45+90	
Recipient	Status of the recipient during an attempt to deliver SMS		1 st retry	2 nd retry	3 rd retry	Description
A	Subscriber is available	mt_ok, mt_del				Delivery instantly confirmed
B	Subscriber becomes available during the 2 nd retry	mt_ok		mt-del		Delivery confirmed after the 2 nd retry
C	Not available during all attempts	mt_ok			mt_rej	All attempts failed
X	Subscriber has unknown MSISDN	mt_ok, mt_rej				Delivery instantly rejected
Y	Not Applicable	mt_nok				Request failed to reach SMSC

Note: For a list of N recipients, LA generates N requests.

Each request results in 1 or 2 reports.

Therefore, the total number of reports regarding the delivery shall be in the range between N and 2N

3.4.2 Reporting by means of HTTP

Delivery-Progress Report is delivered to the provided URL using HTTP/GET method. The body of the HTTP carries data in the following format:

```
https://<hosts>/page.asp?CONFIRMATION=%3CPALO%3E%3CBLMJ%3E3c3a3570-708b-43e0-b9a0-eafcd5a2be05%3C%2FBLMJ%3E%3CSENDER%3E05111-1111%3C%2FSENDER%3E%3CRECIPIENT%20MNP=%2297253%22%3E%2B972111111111%3C%2FRECIPIENT%3E%3CFINAL_DATE%3E2015042018355%3C%2FFINAL_DATE%3E%3CEVT%3E%3C%2F%3E%3CREASON%3E5000%3C%2FREASON%3E%3CSERVICE_NAME%3Eaaa$bbb%3C%2FSERVICE_NAME%3E%3CMESSAGE_COUNT%3E1%3C%2FMESSAGE_COUNT%3E%3CMSG_ID%3Ef4325c32-bbde-4719-ae76-ceda96f4e9e2%3C%2FMSG_ID%3E%3C%2FPALO%3E
```

The same data using pretty-print:

```
CONFIRMATION=
<PALO>
  <BLMJ>3c3a3570-708b-43e0-b9a0-eafcd5a2be05</BLMJ>
  <SENDER>05111-1111</SENDER>
  <RECIPIENT MNP="97253">+97211111111</RECIPIENT>
  <FINAL_DATE>2015042018355</FINAL_DATE>
  <EVT>mt_ok</EVT>
  <REASON>5000</REASON>
  <SERVICE_NAME>aaa$bbb</SERVICE_NAME>
  <MESSAGE_COUNT>1</MESSAGE_COUNT>
  <MSG_ID>f4325c32-bbde-4719-ae76-ceda96f4e9e2</MSG_ID>
</PALO>
```

Table 7 Attribute of Confirmation Report (HTTP)

Name	Description	Type
BLMJ	Async-Anchor that carries the value of SessionId (see Section 3.3.33.3)	string
SENDER	Sender of the SMS	string
RECIPIENT.MNP	ID of Mobile Operator that delivered the message	string
RECIPIENT	MSISDN of the recipient	string
FINAL_DATE	The timestamp of the report Format: yyyyymmddhhmmss	string
EVT	One of mt_ok , mt_nok , mt_del , mt_rej	enum
REASON	The code that further identifies the cause of failure (See Table 11Table 12)	int
SERVICE_NAME	Async-Anchor that carries the value of serviceName (see Section 3.3.33.3) Void if serviceName was not provided by the original Send request.	string
MESSAGE_COUNT	Number of SMSs used to deliver the message	int

Name	Description	Type
MSG_ID	Async-Anchor that carries the value of messageId (see Section 3.3.33-3.3) Void if messageId was not provided in the original Send request.	string

The following are examples of the content of HTTP-based status reports

MT_OK

See the example above

MT_NOK

Indicates failure to deliver the SMS to the MNO

```
CONFIRMATION=
<PALO>
  <BLMJ>3c3a3570-708b-43e0-b9a0-eafcd5a2be05</BLMJ>
  <SENDER>0521111111</SENDER>
  <RECIPIENT MNP="97250">+97250111111</RECIPIENT>
  <FINAL_DATE>20150420184355</FINAL_DATE>
  <EVT>mt_nok</EVT>
  <REASON>2010</REASON>
  <SERVICE_NAME>aaa$bbb</SERVICE_NAME>
  <MESSAGE_COUNT>1</MESSAGE_COUNT>
  <MSG_ID>f4325c32-bbde-4719-ae76-ceda96f4e9e2</MSG_ID>
</PALO>
```

Note: REASON=2010 indicates that the "Subscriber is blocked"

MT_DEL

Indicates success to deliver SMS to the recipient.

```
CONFIRMATION=
<PALO>
  <BLMJ>3c3a3570-708b-43e0-b9a0-eafcd5a2be05</BLMJ>
  <SENDER>0521111111</SENDER>
  <RECIPIENT MNP="97253">+97250111111</RECIPIENT>
  <FINAL_DATE>20150420184355</FINAL_DATE>
  <EVT>mt_del</EVT>
  <REASON>1000</REASON>
  <SERVICE_NAME>aaa$bbb</SERVICE_NAME>
  <MESSAGE_COUNT>1</MESSAGE_COUNT>
  <MSG_ID>f4325c32-bbde-4719-ae76-ceda96f4e9e2</MSG_ID>
</PALO>
```

MT_REJ

Indicates failure to deliver SMS to the recipient.

```
CONFIRMATION=
<PALO>
  <BLMJ>3c3a3570-708b-43e0-b9a0-eafcd5a2be05</BLMJ>
  <SENDER>0521111111</SENDER>
  <RECIPIENT MNP="97253">+97250111111</RECIPIENT>
  <FINAL_DATE>20150420184355</FINAL_DATE>
  <EVT>mt_rej</EVT>
  <REASON>1002</REASON>
```

```
<SERVICE_NAME>aaa$bbb</SERVICE_NAME>
<MESSAGE_COUNT>1</MESSAGE_COUNT>
<MSG_ID>f4325c32-bbde-4719-ae76-ceda96f4e9e2</MSG_ID>
</PALO>
```

Note: REASON=1002 indicates that the "Subscriber is not available."

4.0.0-

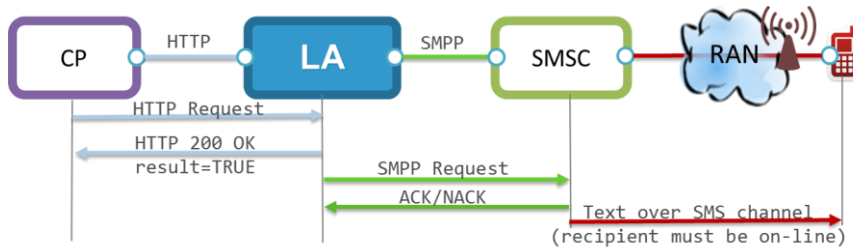
704 “Send” group of Web Services

This chapter is the reference specification for variants of the **Send** Service. The actual service is specified by the **command** attribute:

- **sendtextmt** - deliver SMS with various selection and control options
- **sendivr** – deliver IVR with various selection and control options
- **sendivrmt** – deliver the default Recorded Announcement

The distinctive feature of this group of services is an option to track the progress of the delivery by means of asynchronous status reports

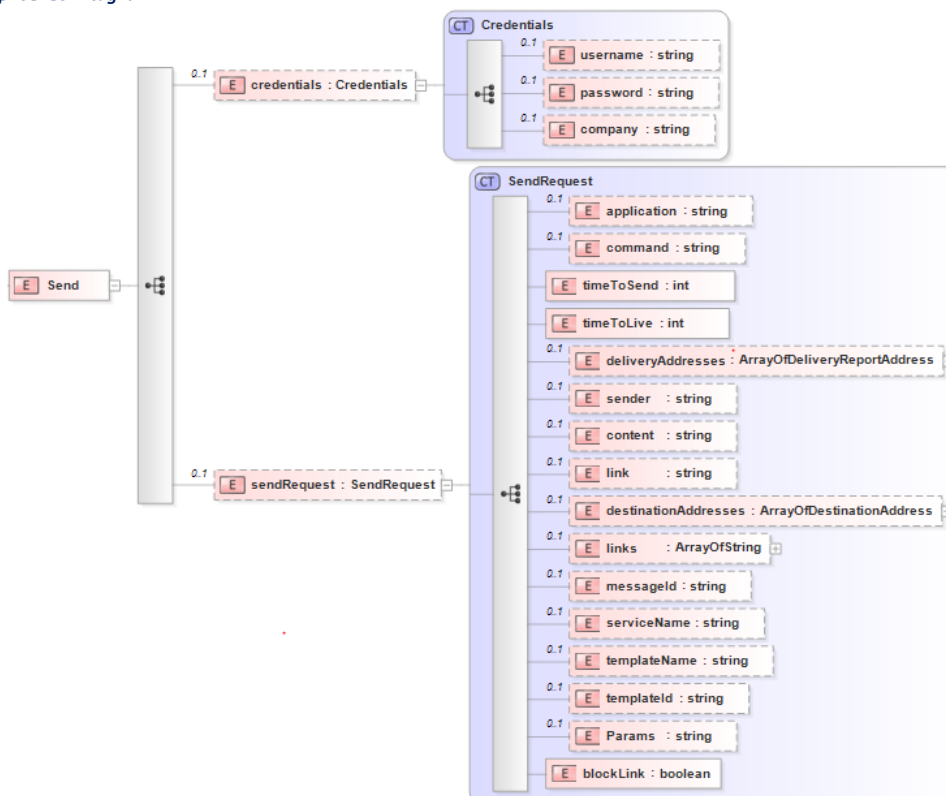
70.14.1 Send:sendtextmt



This variant of the **Send WS (command=sendtextmt)** attempts to trigger delivery of (personalized) text to the specified list of recipients using SMS as the delivery media. Optional parameters of the WS are used to specify features that control the delivery of SMS and reporting attributes.

70.1.14.1.1 Request

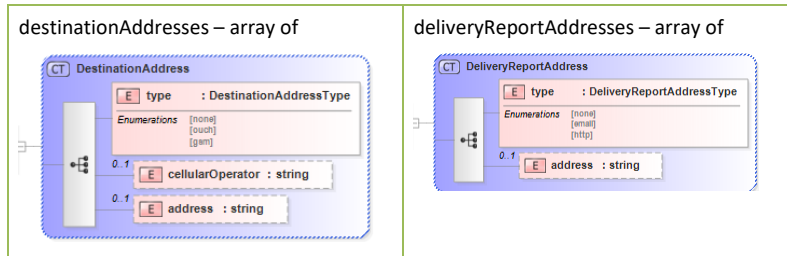
Top-Level Diagram



Subtypes

Send:sendtextmt

Request | 18



Parameters

Parameters of the <soapenv:Body> of the Send WS are:

Table 89 Parameters of Send

Table 3.43-4 Parameters of Send

Name	M	Description	Type	Range/Note
credentials				
Username	Yes	See Table 2		
Password	Yes			
Company	Yes			
End of credentials				
sendRequest – attributes of the delivery				
application	No	Legacy attribute If used, must be set to “LA” Default: LA	string	LA
command	No	Allows to specify variants of Send Service (such as Send Text, Send IVR) Default: “sendtextmt.”	enum	sendtextmt, sendivrmt, sendivr
timeToSend	No	Indicates to LA/WS when to deliver the message relative to the time of the request. Units – minutes. Default: 0 (Immediately)	int	0..144000 (minutes)
timeToLive	No	The period of time (in minutes) that the SMSC (element of Mobile Network) attempts to deliver SMS to the subscriber. Default: 1440	int	15..1440 (minutes)
deliveryAddresses (array of DeliveryReportAddress) – specifies addresses for the Delivery Progress Reports (see Section 3.43.4)				

Name	M	Description	Type	Range/Note
type	No	Type of address – <u>for receiving confirmation to URL set "http";(eMail or URL (for post))</u> Default – no confirmation	enum	email, http
address	No	Mandatory if "type" is specified <u>Example of email content – see section below</u> Example of URL: 'https://localhost/showrequest.asp'		
End of deliveryAddresses				
links	No	Reserved for future use		
sender	No	String that is presented to the recipient as identification of the author of the content	string	Up to 50 char
content	Yes	The content of the message.	string	Up to 800 chars
link	No	Applicable to command sendivr . Indicates the ID of the Recorded Announcements (of the Account that is associated with the UserName)	string	Up to 512 chars
destinationAddresses (array of DestinationAddress) – specifies the designated recipients of the message				
type	No	Type of Radio Network. Legacy attribute – not applicable	string	
cellularOperator	No	Name of the Cellular operator Legacy attribute – not applicable	string	
address	Yes	MSISDN of the designated recipient. Possible formats are set in LA	string	Up to 16 chars
End of destinationAddresses				
links	No	Reserved for Future Use		
messageld	No	The "Async Anchor" provided by the caller. See Section <u>3.3.13-3.1</u>	string	Up to 40 char
serviceName	No	The "Async Anchor" provided by the caller. See Section <u>3.3.13-3.1</u>	string	Up to 50 char
templateName	No	Name of Template ("Prerecorded Content") associated with the Account of the caller	string	Up to 50 char
templateId	No	Reserved for the future use		
Params	No	semicolon-separated list. Each entry substitutes the corresponding parameter in the message. See Specification of Params Order below	string	Up to 1000 chars

Name	M	Description	Type	Range/Note
blockLink	No	Reserved for the future use		
End of sendRequest				

Note: if both "content" and "templateName" are specified - the content is ignored

Specification of Params order

#	English	Hebrew
1.	{1:Lastname}	{שםשפחה:1}
2.	{2:Firstname}	{שפרטי:2}
3.	{3:Role}	{תפקיד:3}
4.	{4:Phone}	{טלפון:4}
5.	{5:Email}	{דואל:5}
6.	{6:Birthdate}	{לידה:6}
7.	{7:Reserved1}	{שמור-א:7}
8.	{8:Reserved2}	{שמור-ב:8}
9.	{9:Reserved3}	{שמור-ג:9}
10.	{10:Reserved4}	{שמור-ד:10}
11.	{11:Reserved5}	{שמור-ה:11}
12.	{12:Reserved6}	{שמור-ו:12}
13.	{13:Reserved7}	{שמור-ז:13}
14.	{14:Reserved8}	{שמור-ח:14}
15.	{15:Reserved9}	{שמור-ט:15}
16.	{16:Reserved10}	{שמור-י:16}

XML Spec

HTTP Request has the following body

```
<soapenv:Body>
  <web:Send>
    <web:credentials>
      <web:username>string</web:username>
      <web:password>string</web:password>
      <web:company>string</web:company>
    </web:credentials>
    <web:sendRequest>
      <web:application>string</web:application>
      <web:command>string</web:command>
      <web:timeToSend>long</web:timeToSend>
      <web:timeToLive>long</web:timeToLive>
      <web:deliveryAddresses>
        <web:DeliveryReportAddress>
```

```

        <web:type>string</web:type>
        <web:address>string</web:address>
    </web:DeliveryReportAddress>
</web:deliveryAddresses>
<web:sender>string</web:sender>
<web:content>string</web:content>
<web:link>string</web:link>
<web:destinationAddresses>
    <web:DestinationAddress>
        <web:type>string</web:type>
        <web:cellularOperator>string</web:cellularOperator>
        <web:address>string</web:address>
    </web:DestinationAddress>
</web:destinationAddresses>
<web:messageId>string</web:messageId>
<web:serviceName>string</web:serviceName>
<web:templateName>string</web:templateName>
<web:templateId>string</web:templateId>
<web:Params>string</web:Params>
<web:blockLink>boolean</web:blockLink>
</web:sendRequest>
</web:Send>
</soapenv:Body>

```

Example

```

POST https://la.cellactpro.com/laweb/service/SendSms.asmx HTTP/1.1
Accept-Encoding: gzip,deflate
Content-Type: text/xml; charset=UTF-8
SOAPAction: "http://www.cellact.com/webservices/Send"
Content-Length: 2769
Host: 192.168.50.44:8087
Connection: Keep-Alive
User-Agent: Apache-HttpClient/4.1.1 (java 1.5)
<soapenv:Envelope
xmlns:soapenv="https://schemas.xml
soap.org/soap/envelope/"
xmlns:web="http://www.cellact.com/webservices/">
    <soapenv:Header/>
    <soapenv:Body>
        <web:Send>
            <web:credentials>
                <web:username>*****</web:username>
                <web:password>*****</web:password>
                <web:company>*****</web:company>
            </web:credentials>
            <web:sendRequest>
                <web:application>LA</web:application>
                <web:command>sendtextmt</web:command>
                <web:deliveryAddresses>
                    <web:DeliveryReportAddress>
                        <web:type>http</web:type>

<web:address>https://localhost/showrequest.asp</web:address>
                    </web:DeliveryReportAddress>
                </web:DeliveryReportAddress>
            </web:deliveryAddresses>
        </web:Send>
    </soapenv:Body>
</soapenv:Envelope>

```

```

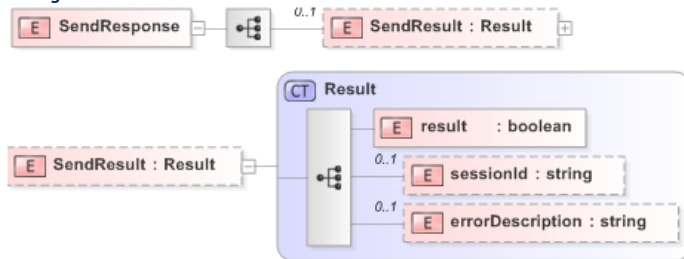
        <web:type>http</web:type>
        <web:address>
https://xxx.net/page.asp</web:address>
        </web:DeliveryReportAddress>
    </web:deliveryAddresses>
    <web:sender>Delivery</web:sender>
    <web:content>Testing LA WS delivery POST</web:content>
    <web:destinationAddresses>
        <web:DestinationAddress>
            <web:address>+972544959611</web:address>
        </web:DestinationAddress>
    </web:destinationAddresses>
    <web:messageId>deliver</web:messageId>
    <web:serviceName>Service Name</web:serviceName>
</web:sendRequest>
</web:Send>
</soapenv:Body>
</soapenv:Envelope>

```

70.1.24.1.2 Response

HTTP 200 (OK) **SendResponse** is used as response to the request

Top-Level Diagram



Parameters

See Section [3.2.2](#)

XML Spec

See Section [3.2.2](#)

Example

```

HTTP/1.1 200 OK
Content-Type: text/xml; charset=UTF-8
Content-Length: 344

<SOAP-ENV:Envelope xmlns:SOAP-
ENV="https://schemas.xmlsoap.org/soap/e
nvelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <SendResponse xmlns="http://www.cellact.com/webservices/">
      <SendResult>
        <result>true</result>

```

```
<sessionId>1263a5d9-5dd3-4916-9ca2-5919523fd4e1</sessionId>
<errorDescription/>
</SendResult>
</SendResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

70.1.34.1.3 Confirmation of Delivery

See Section [3.4](#)

70.1.44.1.4 Errors

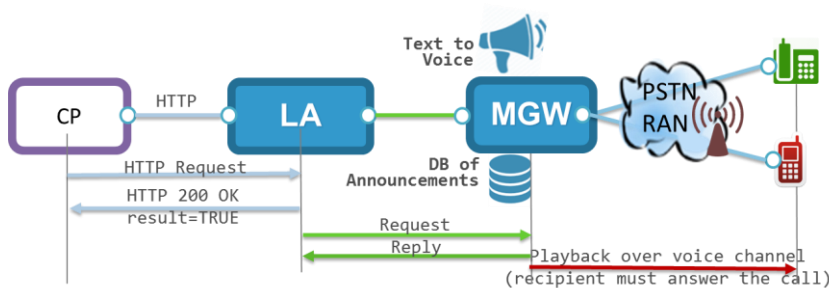
#	Message in the < errorDescription > field	Description
1.	Invalid account	Invalid credentials
2.	cvc-minLength-valid: Value '' with length = '0' is not facet-valid with respect to minLength '1' for type 'CELLACT-STRING-1-30'.	Credentials are empty
3.	cvc-pattern-valid: Value 'XXX' is not facet-valid with respect to pattern '[Ll][Aa][Mm][Aa][Rr][Kk][e][Tt][Ii][Nn][Gg][Gg][Ll][Oo][Bb][Aa][Ll][Ss][Mm][Ss][Mm][Aa][Ii][Ll][Ss][Mm][Ss][Mm][Aa][Ii][Ll][Tt][Ee][Xx][Tt][Rr][Ee][Dd][Aa][Ll][Ee][Rr][Tt][Mm][Tt][Rr][Aa][Dd][Ee][Vv][Oo][Tt][Ii][Nn][Gg][Mm][Ee][Nn][Tt][Ee][Rr][Pp][Rr][Ii][Ss][Ee]' for type 'CELLACT-APP'.	Invalid value in the application field
4.	cvc-enumeration-valid: Value XXX is not facet-valid with respect to enumeration '[sendtextmt, sendlinkmt, sendringtonemt, sendpicturemt, sendsimplevcadmt, sendoperatorlogomt, sendivrmt, sendivr, sendiconmt, sendwaptextmt, sendbookmarkmt, send-ems-melody, send-ems-melody-predefined, send-motorola-melody, send-ceo-melody, send-ceo-bitmap, send-ceo-vcard, sendmms, sendgamemt, sendkaraokemt, provision, sendmail]'. It must be a value from the enumeration.	Invalid value in the command field
5.	cvc-minInclusive-valid: Value 'XXX' is not facet-valid with respect to minInclusive '1' for type 'CELLACT-TTS'.	Invalid min value in the TTS field
6.	cvc-maxInclusive-valid: Value 'XXX' is not facet-valid with respect to maxInclusive '65535' for type 'CELLACT-TTS'.	Invalid max value in the TTS field
7.	cvc-minInclusive-valid: Value 'XXX' is not facet-valid with respect to minInclusive '15' for type 'CELLACT-TTL'.	Invalid min value in the TTL field
8.	cvc-maxInclusive-valid: Value 'XXX' is not facet-valid with respect to maxInclusive '65535' for type 'CELLACT-TTL'.	Invalid max value in the TTL field
9.	cvc-enumeration-valid: Value 'XXX' is not facet-valid with respect to enumeration '[email, post]'. It must be a value from the enumeration.	Invalid value in the COD types field
10.	cvc-minLength-valid: Value 'XXX' with length = '0' is not facet-valid with respect to minLength '1' for type 'CELLACT-STRING-1-150'.	Invalid value in the COD addresses field
11.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '50' for type 'CELLACT-STRING-0-50'.	Invalid value in the sender field
12.	cvc-maxLength-valid: Value 'XXX' with length = 'XXX' is not facet-valid with respect to maxLength '800' for type 'CELLACT-STRING-0-800'.	Invalid value in the content field
13.	cvc-maxLength-valid: Value 'XXX' with length = 'XXX' is not facet-valid with respect to maxLength '512' for type 'CELLACT-STRING-0-512'.	Invalid value in the link field
14.	cvc-pattern-valid: Value 'XXX' is not facet-valid with respect to pattern '05[0,2,3,4,5,6,7,8,9]-?[0-9]{7}\ [0-9]{7,16}([\\+\\.a-zA-Z0-9_-])+@([a-zA-Z0-9_-])+((a-zA-Z0-9_-))*\\.[a-zA-Z0-9_-])+*' for type 'CELLACT-MOBILE-INTERNATIONAL-NUMBER'.	Invalid value in the destination addresses field
15.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '40' for type 'CELLACT-STRING-1-40'.	Invalid value in the destination messageId field
16.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '50' for type 'CELLACT-STRING-1-50'.	Invalid value in the destination

#	Message in the < errorDescription > field	Description
		ServiceName field
17.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '50' for type 'CELLACT-STRING-1-50'.	Invalid value in the templateName field
18.	cvc-maxLength-valid: Value 'XXX' with length = 'XXX' is not facet-valid with respect to maxLength '512' for type 'CELLACT-STRING-0-512'.	Invalid value in the templated field
19.	cvc-maxLength-valid: Value 'XXX' with length = 'XXX' is not facet-valid with respect to maxLength '1000' for type 'CELLACT-STRING-0-1000'.	Invalid value in the Params field

70.24.2 Send:sendivr

Delivers Voice Announcement to the list of recipients.

Voice Announcement may be either fetched from DB of Announcements or vocalized from the text provided in the **content** field.



Note: This section contains preliminary info regarding flexible IVR delivery service. It supersedes the current capability to deliver Single Announcement (see: **sendivrmt**)

Realization of this service reuses the structure introduced by Send (SMS) service while specifying **command=sendivr**, and making mandatory some attributes as specified below.

70.2.14.2.1 Request

See Section [4.1.1](#) for the description of the parameters and XML Format

The following attributes have special meaning in the case of IVR:

Name	M	Description	Type	Range/Note
command	Yes	must be sendivr	enum	
sender	Yes	Must be VN number associated with the account	string	Up to 16 char
content	No	If content is provided, it shall be conveyed as recorded announcement	string	Up to 800 chars
link	No	Serial Number of the recorded announcement owned by the account. Note: If both content and link fields are specified - only one source shall be broadcasted, according to the setting in the configuration of LA	string	1..100
address	Yes	MSISDN of the designated recipient. May be either cellular or stationary phone.	string	Possible formats are set in LA

Name	M	Description	Type	Range/Note
timeToSend	No	Not Relevant. Attempting to deliver Immediately		
timeToLive	No	Not Relevant. Default: Number of attempts and the total time designated for retries is controlled by Admin of MGW		

Example 1 - sendivr message with Link to predefined recording

```
POST https://la.cellactpro.com/laweb/service/SendSms.asmx HTTP/1.1
Accept-Encoding: gzip,deflate
Content-Type: text/xml;charset=UTF-8
SOAPAction: "http://www.cellact.com/webservices/Send"
Content-Length: 2769
Host: 192.168.50.44:8087
Connection: Keep-Alive
User-Agent: Apache-HttpClient/4.1.1 (java 1.5)
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:web="http://www.cellact.com/webservices/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:Send>
      <web:credentials>
        <web:username>*****</web:username>
        <web:password>*****</web:password>
        <web:company>*****</web:company>
      </web:credentials>
      <web:sendRequest>
        <web:application>LA</web:application>
        <web:command>sendivr</web:command>
        <web:deliveryAddresses>
          <web:DeliveryReportAddress>
            <web:type>http</web:type>
          </web:DeliveryReportAddress>
        </web:deliveryAddresses>
        <web:sender>0551111111</web:sender>
        <web:link>dd550e64-433d-454b-9c27-4594a16e1871</web:link>
        <web:destinationAddresses>
          <web:DestinationAddress>
            <web:address>+972544959611</web:address>
          </web:DestinationAddress>
        </web:destinationAddresses>
        <web:messageId>deliver</web:messageId>
        <web:serviceName>Service Name</web:serviceName>
      </web:sendRequest>
    </web:Send>
  </soapenv:Body>
</soapenv:Envelope>
```

```
</web:Send>
</soapenv:Body>
</soapenv:Envelope>
```

Example 2 - TTS (Text2Speech) sendivr message

```
POST https://la.cellactpro.com/lawebService/SendSms.asmx HTTP/1.1
Accept-Encoding: gzip,deflate
Content-Type: text/xml;charset=UTF-8
SOAPAction: "http://www.cellact.com/webservices/Send"
Content-Length: 2769
Host: 192.168.50.44:8087
Connection: Keep-Alive
User-Agent: Apache-HttpClient/4.1.1 (java 1.5)
<soapenv:Envelope
xmlns:soapenv="https://schemas.xml
soap.org/soap/envelope/"
xmlns:web="http://www.cellact.com/webservices/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:Send>
      <web:credentials>
        <web:username>*****</web:username>
        <web:password>*****</web:password>
        <web:company>*****</web:company>
      </web:credentials>
      <web:sendRequest>
        <web:application>LA</web:application>
        <web:command>sendivr</web:command>
        <web:deliveryAddresses>
          <web:DeliveryReportAddress>
            <web:type>http</web:type>
          </web:DeliveryReportAddress>
        </web:deliveryAddresses>
        <web:sender>0551111111</web:sender>
        <web:content>test test test</web:content>
        <web:destinationAddresses>
          <web:DestinationAddress>
            <web:address>+972544959611</web:address>
          </web:DestinationAddress>
        </web:destinationAddresses>
        <web:messageId>deliver</web:messageId>
        <web:serviceName>Service Name</web:serviceName>
      </web:sendRequest>
    </web:Send>
  </soapenv:Body>
</soapenv:Envelope>
```

70.2.24.2.2 Response

See Section [4.1.2](#)

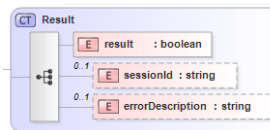
70.2.34.2.3 Confirmation of Delivery

See Section [3.4](#)

70.2.44.2.4 Rejection of the request

Rejection of the request by LA/WS is indicated by `<result>false</result>` in the **Result**.

It is accompanied by `<errorDescription>` that specifies the 1st error that caused the decline of the request.



Note: `<errorDescription>` presents only the 1st error detected by LA/WS software.

That is, if , for example, the list of recipients has few ill-formated numbers - only the 1st one shall be identified in the `errorDescription`

Example: Rejection of the SendText request

The following example presents the response to send SMS to ill-formatted destination numbers ("911" and "711").

```
HTTP/1.1 200 OK
Content-Type: text/xml;charset=UTF-8
Content-Length: 576

<SOAP-ENV:Envelope xmlns:SOAP-
ENV="https://schemas.xmlsoap.org/soap/e
nvelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <SendTextResponse xmlns="http://www.cellact.com/webservices/">
      <SendTextResult>
        <result>false</result>
        <sessionId/>
        <errorDescription>cvc-pattern-valid: Value '911' is not
facet-valid with respect to pattern '05[0,2,3,4,5,6,7,8,9]-?[0-
9]{7}|\|[0-9]{7,16}'.</errorDescription>
      </SendTextResult>
    </SendTextResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Note: The content of the error message is generated by SW package that validates the range of the parameters.

In particular, the term "not facet-valid" is the term used by the SW that validates values of

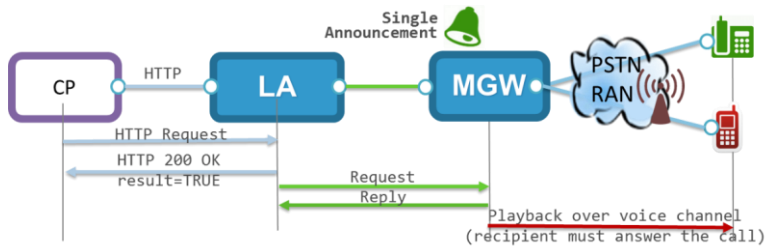
parameters in terms of their
range, pattern or enum values.

70.2.54.2.5 Errors

See Section [4.1.3](#)

70.34.3 Send:sendivrmt

This is the legacy version of IVR service. It is used to broadcast the **One-and-only-One (default) Announcement**.



Realization of this service reuses the structure introduced by Send service while specifying **command=sendivrmt**, and changing mandatory/optional requirement of some attributes as specified below.

70.3.14.3.1 Request

See Section [4.1.1](#) for the description of the parameters and XML Format

The following attributes have special meaning in the case of IVR:

Name	M	Description	Type	Range/Note
command	Yes	must be sendivrmt	enum	
content	No	Is ignored	string	
link	No		string	
address	Yes	MSISDN of the designated recipient. May be either cellular or stationary phone.	string	Possible formats are set in LA
timeToSend	No	Is ignored. Attempting to deliver Immediately		
timeToLive	No	Is ignored. Number of attempts is controlled by MGW Admin		

70.3.24.3.2 Response

See Section [4.1.24.1.2](#)

70.3.34.3.3 Confirmation of Delivery

See Section [3.43.4](#)

70.3.44.3.4 Errors

See Section [4.1.34.1.3](#)

715 Additional Web Services

This chapter is the reference specification for

- SendText (straightforward version of Send SMS)
- SendMail

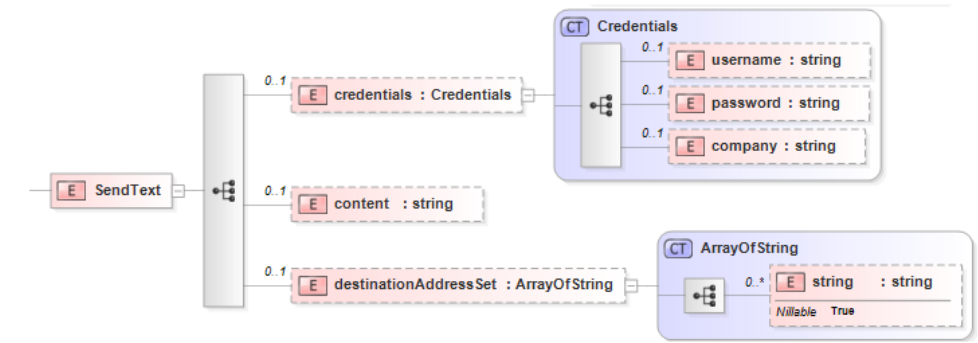
Unlike services in Chapter 4, services in this Chapter do not provide option to receive status-of-delivery reports

71.15.1SendText

SendText is the legacy version of the **Send**. It specifies straightforward method to deliver SMS to the specified recipient/list-of-recipients

71.1.15.1.1 Request

Top-Level Diagram



Parameters

Parameters of the <soapenv:Body> of the Send WS are:

Table 9 Parameters of SendText

Name	M	Description	Type	Range/Note
credentials				
Username	Yes	See Table 2		
Password	Yes			
Company	Yes			
End of credentials				
content	Yes	The content of the message.	string	Up to 800 chars
destinationAddressSet	yes	Phone Number(s) of the recipient(s).	Array of Strings	See Patterns in Section Error! Reference source not found. Error! Reference source not found.

Note: If the same destination appears multiple times in the list of the recipients - the message is delivered the corresponding number of times

XML Spec

HTTP Request has the following body

```

<soapenv:Envelope
xmlns:soapenv="https://schemas.xml
lsoap.org/soap/envelope/"
xmlns:web="http://www.cellact.com/webservices/"
  <soapenv:Header/>
  <soapenv:Body>
    <web:SendText>
      <web:credentials>
        <web:username>string</web:username>
        <web:password>string</web:password>
        <web:company>string</web:company>
      </web:credentials>
      <web:content>string</web:content>
      <web:destinationAddressSet>
        <!--one or more repetitions-->
        <web:string>PhoneNumber</web:string>
      </web:destinationAddressSet>
    </web:SendText>
  </soapenv:Body>
</soapenv:Envelope>

```

Example

In the following example message **Hello from LA/WS SendText!** is delivered two times to 054-6650001 and one time to 054-6650002

```

<soapenv:Envelope
xmlns:soapenv="https://schemas.xml
lsoap.org/soap/envelope/"
xmlns:web="http://www.cellact.com/webservices/"
  <soapenv:Header/>
  <soapenv:Body>
    <web:SendText>
      <web:credentials>
        <web:username>*****</web:username>
        <web:password>*****</web:password>
        <web:company>*****</web:company>
      </web:credentials>
      <web:content>Hello from LA/WS SendText!</web:content>
      <web:destinationAddressSet>
        <web:string>+972546650001</web:string>
        <web:string>054-6650001</web:string>
        <web:string>0546650002</web:string>
      </web:destinationAddressSet>
    </web:SendText>
  </soapenv:Body>
</soapenv:Envelope>

```

71.1.25.1.2 Response

HTTP 200 (OK) **SendTextResponse** is used as response to the request

Top-Level Diagram

**Parameters**See Section [3.2.2](#)**XML Spec**See Section [3.2.2](#)**Example**See Section [3.2.2](#)**71.1.35.1.3 Errors**

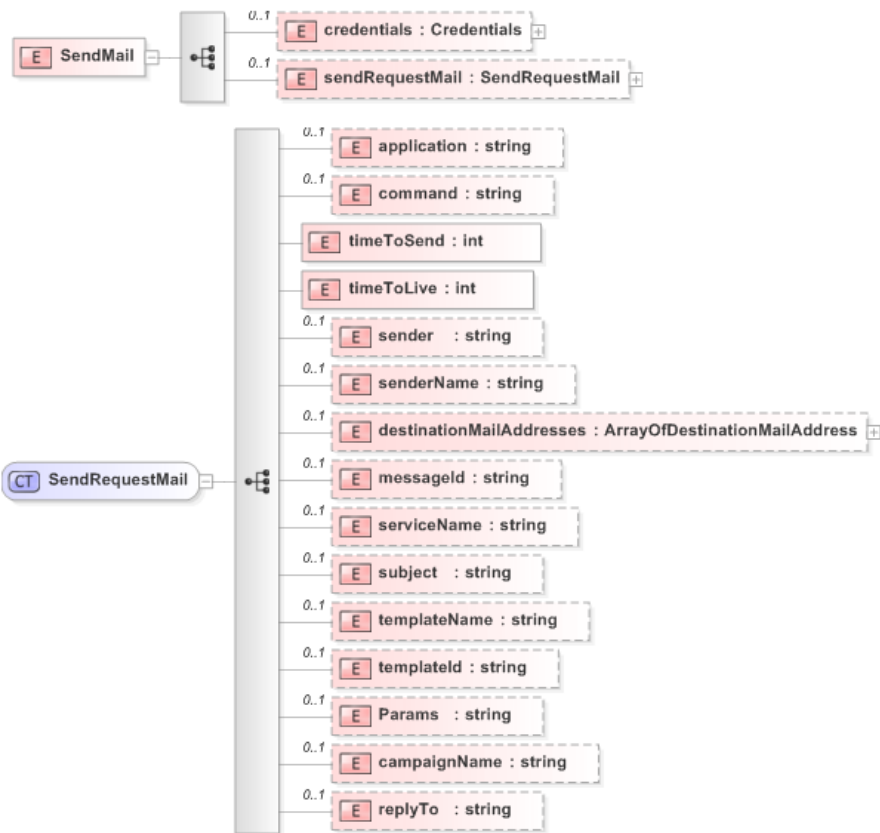
#	Message in the < errorDescription > field	Description
1.	Invalid account	Invalid credentials
2.	cvc-minLength-valid: Value '' with length = '0' is not facet-valid with respect to minLength '1' for type 'CELLACT-STRING-1-30'.	Empty credentials
3.	cvc-maxLength-valid: Value 'XXX' with length = 'XXX' is not facet-valid with respect to maxLength '800' for type 'CELLACT-STRING-0-800'.	Invalid value in the content field
4.	cvc-pattern-valid: Value 'XXX' is not facet-valid with respect to pattern '05[0,2,3,4,5,6,7,8,9]-?[0-9]{7}[\+][0-9]{7,16}([\+\.a-zA-Z0-9_-])+@[([a-zA-Z0-9_-])]+((([a-zA-Z0-9_-])*\.[a-zA-Z0-9_-])+)?' for type 'CELLACT-MOBILE-INTERNATIONAL-NUMBER'.	Invalid value in the destination field
5.	cvc-complex-type.2.4.b: The content of element 'DEST_LIST' is not complete. One of '{TO}' is expected.	Empty value in the destination field

71.25.2 SendMail

Allows to request delivery of email to the specified recipient(s). Provides option to combine templates and content.

71.2.15.2.1 Request

Top-Level Diagram



Parameters

Table 10 Parameters of SendMail

Name	M	Description	Type	Range/Note
credentials				
Username	Yes	See Table 2		
Password	Yes			
Company	Yes			

Name	M	Description	Type	Range/Note
End of credentials				
sendRequestMail – attributes of the delivery				
application	No	Legacy attribute If used, must be set to “LA” Default: LA	string	LA
command	No	Legacy attribute If used, must be set to “sendmail” Default: “sendmail.”	string	sendmail
timeToSend	No	Indicates to LA/WS when to deliver the message relative to the time of the request. Units – minutes. Default: 0 (Immediately)	int	0..144000 (minutes)
timeToLive	No	The period of time (in minutes) that the eMail Server attempts to deliver eMail to the subscriber. Default: 1440	int	15..1440 (minutes)
sender	Yes	Email address of the sender. Must be defined in LA	string	Email format Up to 50 char
senderName	No	String that is presented to the recipient as identification of the author of the content	string	Up to 50 char
DestinationMailAddresses (array of DestinationMailAddress) – specifies email addresses of the designated recipients				
messageId	No	The “Async Anchor” provided by the caller. See Section 3.3.13.3.1	string	Up to 40 char
serviceName	No		string	Up to 50 char
subject	Yes	The Subject field of the email.	string	Up to 100 chars
templateName	Yes	Name of the eMail template that is defined in LA	string	Up to 50 char
templateId	No	ID of the eMail template that is defined in LA	string	Up to 512 char
content	Yes	The content of the message.	string	Up to 800 chars
Params	No	Semicolon-separated list. Each entry substitutes the corresponding parameter in the message. See “Params” in Section 4.1.14.1.1	string	Up to 1000 chars
campaignName	no	name of the campaign	string	Up to 50 char
ReplyTo	no	The email address to be used for the reply	string	Email format Up to 50 char
End of sendRequestMail				

XML Spec

HTTP Request is comprised of the standard Header and the following Body

```
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="https://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <SendMail xmlns="http://www.cellact.com/webservices/">
      <credentials>
        <username>string</username>
        <password>string</password>
        <company>string</company>
      </credentials>
      <sendRequestMail>
        <application>string</application>
        <command>string</command>
        <timeToSend>int</timeToSend>
        <timeToLive>int</timeToLive>
        <sender>string</sender>
        <senderName>string</senderName>
        <destinationMailAddresses>
          <DestinationMailAddress>
            <address>string</address>
          </DestinationMailAddress>
        </destinationMailAddresses>
        <messageId>string</messageId>
        <serviceName>string</serviceName>
        <subject>string</subject>
        <templateName>string</templateName>
        <templateId>string</templateId>
        <Params>string</Params>
        <campaignName>string</campaignName>
        <replyTo>string</replyTo>
      </sendRequestMail>
    </SendMail>
  </soap:Body>
</soap:Envelope>
```

Example

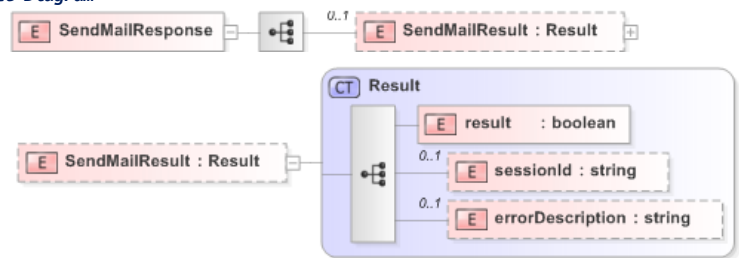
```
<soapenv:Envelope
xmlns:soapenv="https://schemas.xmlsoap.org/soap/envelope/"
xmlns:web="http://www.cellact.com/webservices/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:SendMail>
      <web:credentials>
        <web:username>*****</web:username>
        <web:password>*****</web:password>
        <web:company>*****</web:company>
      </web:credentials>
      <web:sendRequestMail>
        <web:application>LA</web:application>
        <web:command>sendmail</web:command>
        <web:timeToSend>0</web:timeToSend>
```

```
<web:timeToLive>15</web:timeToLive>
<web:sender>CellactLA@gmail.com</web:sender>
<web:senderName>LAWS55</web:senderName>
<web:destinationMailAddresses>
  <web:DestinationMailAddress>
    <web:address>automation2@cellact.com</web:address>
  </web:DestinationMailAddress>
</web:destinationMailAddresses>
<web:messageId>123456</web:messageId>
<web:serviceName>Service Name</web:serviceName>
<web:subject>LA WS basic</web:subject>
<web:templateName>Espresso</web:templateName>
<web:templateId></web:templateId>
<web:Params></web:Params>
<web:campaignName></web:campaignName>
<web:replyTo></web:replyTo>
</web:sendRequestMail>
</web:SendMail>
</soapenv:Body>
</soapenv:Envelope>
```

71.2.25.2.2 Response

HTTP 200 (OK) **SendMailResponse** is used as response to the request

Top-Level Diagram



Parameters

See Section [3.2.2](#)

XML Spec

See Section [3.2.2](#)

Example

See Section [3.2.2](#)

71.2.35.2.3 Errors

#	Message in the < errorDescription > field	Description
1.	Invalid account	Invalid credentials
2.	cvc-minLength-valid: Value '' with length = '0' is not facet-valid with respect to minLength '1' for type 'CELLACT-STRING-1-30'.	Empty credentials field
3.	cvc-pattern-valid: Value 'XXX' is not facet-valid with respect to pattern '[Ll][Aa][Mm][Rr][Kk][e][Tt][Ii][Nn][Gg][Gg][Ll][Oo][Bb][Aa][Ll][Ss][Mm][Ss][Mm][Aa][Ii][Ll][2][Ss][Mm][Ss][Mm][Aa][Ii][Ll][Tt][Ee][Xx][Tt][Rr][Ee][Dd][Aa][Ll][Ee][Rr][Tt][Mm][Tt][Rr][Aa][Dd][Ee][Vv][Oo][Tt][Ii][Nn][Gg][Mm][Ee][Nn][Tt][Ee][Rr][Pp][Rr][Ii][Ss][Ee]' for type 'CELLACT-APP'.	Invalid value in the application field
4.	cvc-enumeration-valid: Value 'send' is not facet-valid with respect to enumeration '[sendtextmt, sendlinkmt, sendringtonemt, sendpicturemt, sendsimplevcadmt, sendoperatorlogomt, sendivrmt, sendivr, sendiconmt, sendwaptextmt, sendbookmarkmt, send-ems-melody, send-ems-melody-predefined, send-motorola-melody, send-ceo-melody, send-ceo-bitmap, send-ceo-vcard, sendmms, sendgamemt, sendkaraoke, provision, sendmail]'. It must be a value from the enumeration.	Invalid value in the command field
5.	cvc-maxInclusive-valid: Value 'XXX' is not facet-valid with respect to maxInclusive '65535' for type 'CELLACT-TTS'.	Invalid value in the TTS field
6.	cvc-maxInclusive-valid: Value 'XXX' is not facet-valid with respect to maxInclusive '65535' for type 'CELLACT-TTL'.	Invalid value in the TTL field
7.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '50' for type 'CELLACT-STRING-0-50'.	Invalid value in the Sender field
8.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '50' for type 'CELLACT-STRING-0-50'.	Invalid value in the Sender Name field
9.	cvc-pattern-valid: Value '' is not facet-valid with respect to pattern '05[0,2,3,4,5,6,7,8,9]-?[0-9]{7}[\+][0-9]{7,16}((\+ \,a-zA-Z0-9_-))@([a-zA-Z0-9_-])+((([a-zA-Z0-9_-])*)\.[a-zA-Z0-9_-])+)?' for type 'CELLACT-MOBILE-INTERNATIONAL-NUMBER'.	Invalid value in the DestinationMail field
10.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '40' for type 'CELLACT-STRING-1-40'.	Invalid value in the destination messageId field
11.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '50' for type 'CELLACT-STRING-1-50'.	Invalid value in the destination ServiceName field
12.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '100' for type 'CELLACT-STRING-0-100'.	Invalid value in the destination subject field
13.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '50' for type 'CELLACT-STRING-1-50'.	Invalid value in the templateName field
14.	cvc-maxLength-valid: Value 'XXX' with length = 'XXX' is not facet-valid with respect to maxLength '512' for type 'CELLACT-STRING-0-512'.	Invalid value in the templateId field
15.	cvc-maxLength-valid: Value 'XXX' with length = 'XXX' is not facet-valid with respect to maxLength '1000' for type 'CELLACT-STRING-0-1000'.	Invalid value in the Params field
16.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '50' for type 'CELLACT-STRING-1-50'.	Invalid value in the campaignName field
17.	cvc-maxLength-valid: Value 'XXX' with length = 'XX' is not facet-valid with respect to maxLength '50' for type 'CELLACT-STRING-1-50'.	Invalid value in the replyTo field

726 Appendix

72.16.1 Format of the Destination Number

The Destination Number for the purpose of SMS Delivery must match one of the following regular expressions:

Pattern	Description
05[0,2,3,4,5,6,7,8,9]-?[0-9]{7}	05x where x is one of the [0,2,3,4,5,6,7,8,9] - Optional “-” 7 digits Example: 054-1234567 or 0541234567
+{0-9}{7,16}	“+” 7 to 16 digits Example (10 digits): +0123456789

72.26.2 Message Delivery Status (REASON) Codes

The following Codes are used to indicate the status of message delivery in the Progress/ Confirmation messages:

Note: The numbering convention is as follows: value X000 indicates success; any other value indicates an issue.

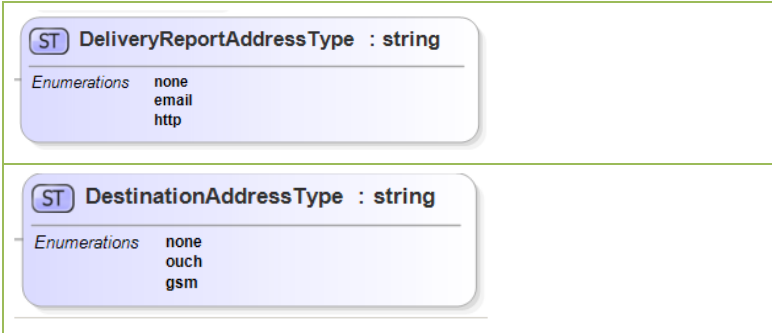
Table 1142 Interpretation of the “Reason” Code

REASON	Description
1000	Message delivered
1002	Subscriber is unavailable
1003	Message inbox full
1005	Incorrect subscriber number
1101	Registration request parameters are missing/incorrect
1103	Password not authenticated
1104	Subscriber is already registered with this service
1105	Subscriber is not registered to this service
1106	Pending request in process
1107	Internal connection error

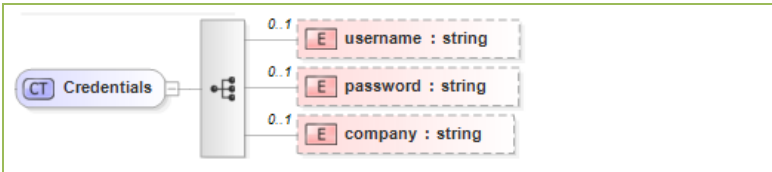
REASON	Description
1108	System SQL Connection Error
1140	Invalid SIGI / Subscriber is not registered to this service
1141	TRID or SIGI is missing
2006	Destination is blocked to RB messages
2010	Subscriber is blocked
2013	Sender is invalid
2014	Sender from a different operator cannot be charged
2016	Destination does not support the message's type
2018	Unknown link
2020	Spam filter
2050	Subscriber block in Guardian
2060	Number is blocked for SMS reception
3001	Account balance has exceeded
3002	Message contains invalid attributes
3004	MNP Validator Error
3007	"Night Block"— account can't send messages in the predefined hours
4002	Prepaid system did not recognize message's Tariff
5000	Message was delivered to the operator
5001	Operator error
5007	Recipient is temporarily unavailable / Device inbox is full
5014	SQL: System connection error
5016	Message size exceeded
5028	Error sending overseas message
6001	Communication error
7000	Subscriber replied to MT message
7001	Message not delivered
8000	WAP text message was opened
8018	MMS message rejected
9000	MO message delivered
9005	Subscriber has insufficient balance
9801	Email message was not delivered
9821	Recipient's Server is not available.
9831	Message declined by recipient
9840	Recipient is unavailable temporarily / Mail inbox is full
9845	Recipient is Not Found
9850	Invalid Email Address

72.36.3Types and XML Structures

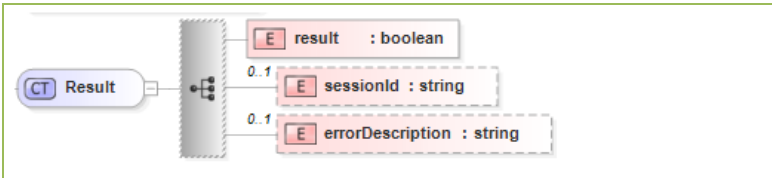
72.3.16.3.1 Enums



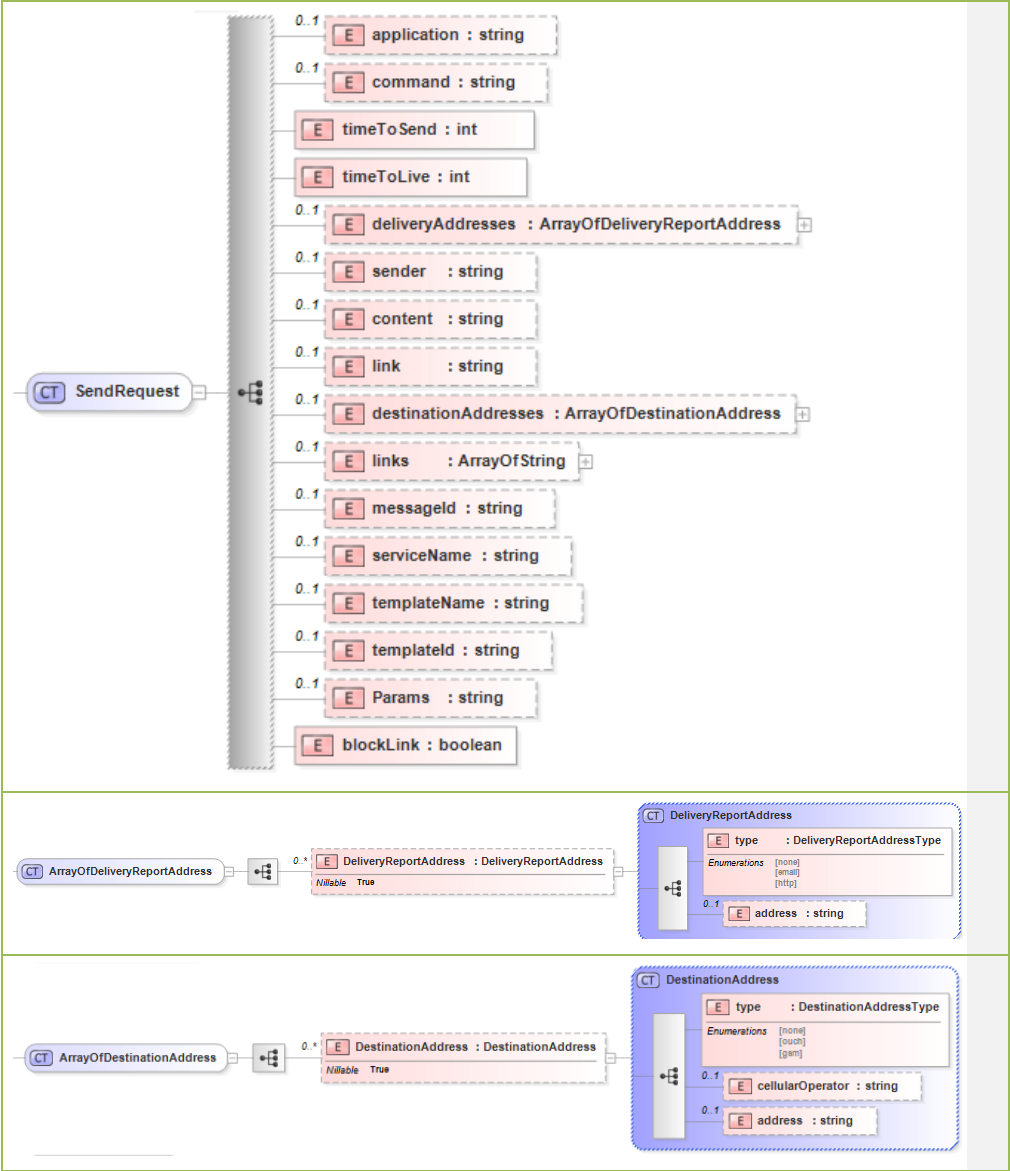
72.3.26.3.2 Credentials



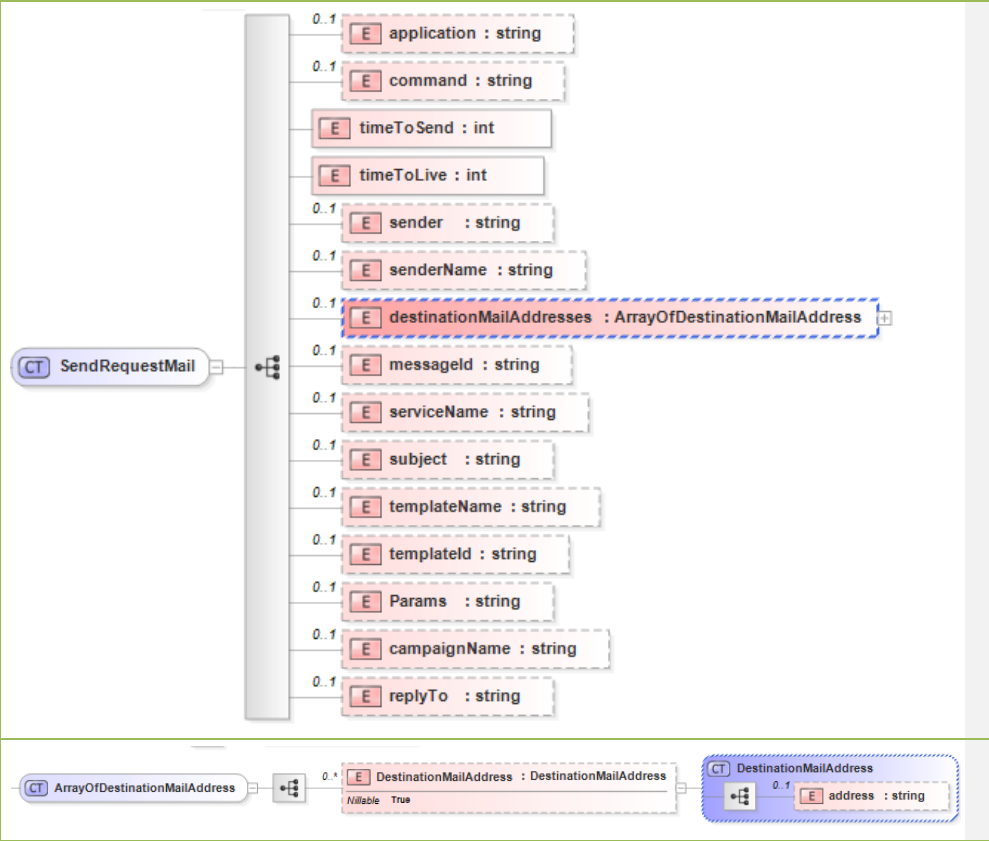
72.3.36.3.3 Result



72.3.46.3.4 SendRequest



72.3.56.3.5 SendRequestMail



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