



## SMS Gateway 1.4 Delivery Receipts User Technical specifications

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## 1 REVISIONS

Version	Date	Author	Remark
1.0		Erwin Berghmans	Initial version
1.1	03/02/2006	Erwin Berghmans	
1.2	23/01/2007	Erwin Berghmans	
1.3	Second half May 2008	Erwin Berghmans	New status
1.4	01/12/2010	Erwin Berghmans	Added provider Telenet (4)



## 1.1.1 HTTP POST DELIVERY RECEIPT (notifications) TRAFFIC

```
<!DOCTYPE MESSAGES [
<!ELEMENT MESSAGES (MSG*)>
<!ELEMENT MSG (,TO,MSG_ID,STATUS,TIMESTAMP)>
<!ATTLIST MSG TYPE (ACK) #REQUIRED>
<!ELEMENT TO (#PCDATA)>
<!ATTLIST TO ID (ACK) #REQUIRED>
<!ATTLIST TO PROVID (ACK) #REQUIRED>
<!ELEMENT MSG_ID (#PCDATA)>
<!ELEMENT STATUS (#PCDATA)>
<!ATTLIST STATUS RC #REQUIRED>
<!ELEMENT TIMESTAMP (#PCDATA)>
]>
```

Field	Description	Format
RC	Reason Code	3 digits
TO	Short code or GSM number who received the SMS.	15 characters maximum
ID	Identification number for the SMS at Paratel	Numeric
PROVID	User's operator	1=Proximus, 2=Mobistar, 3=Base, 4=Telenet, 5=Belgacom, 6=TheNetherlands
STATUS	Delivery receipt status	0=not delivered 1=delivered 2=no delivery receipt
MSG_ID	Your unique id for the message	40 chars maximum
TIMESTAMP	Date + time of the delivery.	YYYYMMDDhhmmss

In an HTTP model, Paratel initiates the communication and will push the delivery receipt data to the client.

The client will supply an URL where the Paratel Delivery receipt server will POST to.

After receiving an HTTP response < 300 and the string "OK" in the content of the response, the server will remove the client's delivery receipts data. If no connection is established or the response code is >= 300 or the string "OK" is not in the content of the response, the data will be kept in queue until a successful delivery.



## Example:

```
POST /clientscript.php HTTP/1.1
Host: clienthost.be
Content-Type: text/xml
Content-Length: 329
```

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<MESSAGES>
<MSG_TYPE="ACK">
<MSG_ID>1</MSG_ID>
<TO ID="8884569412" PROVID="1">0032477200129</TO>
<TIMESTAMP>20020213160901</TIMESTAMP>
<STATUS RC="301">0</STATUS>
</MSG>
<MSG_TYPE="ACK">
<MSG_ID>2</MSG_ID>
<TO ID="8874569832" PROVID="2">0032496543210</TO>
<TIMESTAMP>20020213160902</TIMESTAMP>
<STATUS RC="0">1</STATUS>
</MSG>
</MESSAGES>
```



## 1.1.1.1 EXPLANATION STATUS AND REASON CODES

**Status = 0: not delivered** (See the "Reason Codes" (RC) in the table below)

**Status = 1: delivered**

**Status = 2: no delivery receipt**



RC	Label	Description	Action to take	System Retries
1xx	Paratel side codes	Paratel's framework errors	Contact Paratel. Probably a <b>misconfiguration</b> .	
300	No Subscriber	Destination number is unknown in the provider network	Try without a "PROVID" attribute and if this reason persists, remove the msisdn from your DB.	
301	Not enough credits	No credit left on the destinator's simcard	If this code persists after 1 week, remove the msisdn from your DB.	
302	Subscriber blocked	Destination number is permanently blocked.	Msisdn have to be removed from your db.	
303	Message Expired	Expiry time reached	If this code persists after 5 tries or 3 weeks, remove the msisdn from your DB.	
304	Provider internal error	Provider internal/unknown error	If this error occurs too much, contact Paratel.	3 x 20m
305	Invalid originating number	Unknown/invalid originating number	Contact Paratel.	
306	Subscriber not equipped	Message content broken or not supported by the destined phone	If this situation persists over 3 weeks, remove the msisdn from your DB.	3 x 20m
307	Protocol error	Protocol error somewhere between paratel and the mobile	Retrial will be performed by Paratel	3 x 20m
308	Smsc system error	SMSC system error	Retrial will be performed by Paratel	3 x 20m
309	Too many messages for mobile	Too many messages in queue for the destination phone (SIM & smsc buffer full)	If this reason is returned for more than 1 week, remove the msisdn from your DB.	
310	Invalid destination address	Invalid destination address	Check if there is not a problem in the destinating msisdn format.	
312	Network error	Network error where the mobile is located	Retrial will be performed by Paratel	3 x 20m
313	Unsupported request	The request is unsupported by the provider	Retrial will be performed by Paratel	1 x 60m
314	Subscriber absent	Number is unreachable (mobile is turned off or out of coverage)	Retrial will be performed by Paratel	3 x 20m
315	Delivery failed	Generic delivery failure (Gsm buffer full, vp exceeded, busy, ..)	Retrial will be performed by Paratel	1 x 60m
316	Premium blocked	The customer asked his provider to block all the premium smses for him (MTR).	This msisdn have to be removed from your DB.	
317	Adult content blocked	The customer is black listed for all kind of adult contents.	This msisdn have to be removed from your DB.	
318	Submit Failure	Submit of the sms was rejected by the provider.	Probably a misconfiguration. Take contact with Paratel.	1 x 10m