

text2reach
WAP
interface

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v1.0

This document describes wap payment processing interface between service provider (SP) and text2reach WAP gateway (WAPGW).

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Text2reach WAP gateway (WAPGW) uses HTTP protocol.

Creating payment

To make one time WAP payment or create service subscription (depends if subscription period was provided when creating the service), service provider has to create payment record.

If provided service is subscription based, then always check subscription status (method *check_subscription*) first and only then, if result is negative, create new payment record.

Payment record is created by making HTTP GET request to <http://wapbilling.kingsms.com/create/>. In request provide following GET parameters:

Parameter	Required	Description	Example
api_key	Yes	Api key that is created for service, visible in text2reach self-service.	97a2b19d7ffbfb5231ff7a7581210c3
keyword	Yes	Service ID that is provided when service is created	my_ringtones_download
ip	Yes	IP address of mobile phone	213.101.163.123
url	Yes	HTTP URL where to redirect customer after successful payment. Max length is 250 symbols	http://example.com/?payment=ok
user_agent	No	HTTP <i>User-Agent</i> parameter that identifies customer's phone model. This parameter is not required, but is recommended for some troubleshooting issues.	Nokia6230i/2.0 (03.25) Profile/MIDP-2.0 Configuration/CLDC-1.1
uid	No	Service provider custom ID (for example customer's ID)	234122

Parameter	Required	Description	Example
		Max length is 32 symbols	
return_url	No	HTTP URL where redirect customer if payment was not successful. Max length is 250 symbols	http://example.com/payment=failed

Example HTTP GET URL for creating payment record:

http://wapbilling.kingsms.com/create/?
 api_key=97a2b19d7ffbfb5231ff7a7581210c3&keyword=my_ringtones_download&ip=213
 101.163.123&url=http://example.com/?payment=ok&return_url=http://example.com/?
 payment=failed&user_agent=Nokia6230i/2.0%20(03.25)%20Profile/MIDP2.0

Subscription service status check

To check if customer`s subscription is active, redirect customer to subscription check URL. If provided service is subscription based, then always check subscription status (method *check_subscription*) first and only then, if result is negative, create new subscription record.

To get URL for subscription status check make following HTTP GET request to http://wapbilling.kingsms.com/check_subscription/ and provide following GET params:

Parameter	Required	Description	Example
api_key	Yes	Api key that is created for service, visible in T2R self-service.	97a2b19d7ffbfb5231ff7a7581210c3
keyword	Yes	Service ID, that is provided when service is created	my_ringtones_download
ip	Yes	IP address of mobile phone	213.101.163.123
url	Yes	HTTP URL where to redirect customer after successful payment. Max length is 250 symbols	http://example.com/?payment=ok
user_agent	No	HTTP <i>User-Agent</i> parameter that identifies customer's phone model. This parameter is not required, but is recommended for some troubleshooting issues.	Nokia6230i/2.0 (03.25) Profile/MIDP-2.0 Configuration/CLDC-1.1
uid	No	Service provider custom ID (for example customer`s ID). Max length is 32 symbols	234122

Check subscription URL example:

[http://wapbilling.kingsms.com/check_subscription/?api_key=97a2b19d7ffbfb5231ff7a7581210c3&keyword=my_ringtones_download&ip=213.101.163.123&url=http://example.com/?subscribed=true&return_url=http://example.com/?subscribed=false&user_agent=Nokia6230i/2.0%20\(03.25\)%20Profile/MIDP2.0](http://wapbilling.kingsms.com/check_subscription/?api_key=97a2b19d7ffbfb5231ff7a7581210c3&keyword=my_ringtones_download&ip=213.101.163.123&url=http://example.com/?subscribed=true&return_url=http://example.com/?subscribed=false&user_agent=Nokia6230i/2.0%20(03.25)%20Profile/MIDP2.0)

Response from WAPGW

WAPGW responds to payment creation and status check requests with one line that consists of several parts divided by “|” (vertical line) symbol.

If payment record creation was successful, response looks like:

123456|http://wapbilling.kingsms.com/get/?id=8091114455165525|35

123456 – payment record ID, unique for each record.

http://wapbilling.kingsms.com/get/?id=8091114455165525 – URL to WAPGW. Put this URL in your site, when customer will open it, billing or subscription status check will be done (depends on request method).

35 – payment record price in smallest currency units (same as defined when service was created). If method is *check_subscription* then this value is 0.

If payment record creation request fails, response from WAPGW consists of 2 parts:

-500|IP adress is not a valid mobile operator IP

-500 – error code, always negative

IP adress is not a valid mobile operator IP – error description.

Error code descriptions

Code	Description
-500	Wrong IP address – IP address is not recognized as mobile operators IP address. Customer probably is visiting site from WI-FI.
-501	API key is not provided or its length is wrong.
-502	Provided service ID does not exist.
-503	Provided wrong API key or request is made from not allowed IP address.
-505	Wrong request (all required parameters are not provided)
-506	No subscription renewal period provided for service.
-507, -508	WAPGW internal error.
-509	Length of <i>url</i> or <i>return_url</i> exceeds maximum (max 250 symbols)
-510	Service is not available for this mobile operator.
-551, -552, -553	Unable to create payment record for LMT customers.

Status reports

WAPGW provides functionality to deliver status reports for successful or failed payment transaction. To get status reports, an URL for delivering reports needs to be provided while creating the service. Reports are delivered only to requests that are created by method *create*.

Status request consists of following HTTP GET parameters:

tid – payment record ID.

status - “charged” if payment is successful or “notcharged” if payment failed.

uid – if provided in *create* request.

Status report will not be sent if billing process is not started (customer did not open billing URL) or there is an attempt to create new subscription to already existing subscriber.

Response to status report request must be text “OK”

Requests from WAPGW are made from 92.240.68.2, 213.175.74.9.

Note

Status reports for LMT customers are delivered after customer is redirected to target site, but for other operators status report is sent before. If customer has successfully landed in target site, the payment is successful. Status report is for extra security, for example, if customer is billed and in redirect something went wrong, then service provider can give purchased content once status report is received.