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HTTP POST Specification

Introduction

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All below stated information is considered the copyrighted work of ComGate Payments, a.s. (hereinafter ComGate) and the business secret of ComGate. Therefore, thank you for the discreet and correct treatment of the information stated in this document.

MO SMS   Mobile Originated SMS, SMS sent from user's mobile
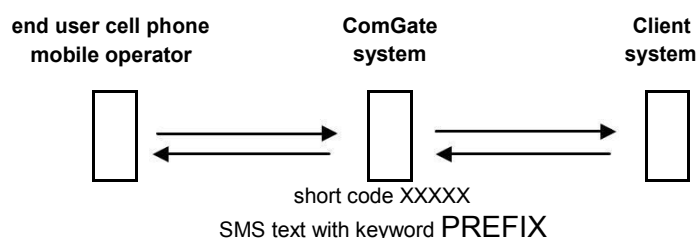MT SMS   Mobile Terminated SMS, SMS sent to user's mobile

Technical contact

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Services

ComGate provides Bulk and Premium rate SMS services. Incoming and outgoing SMS messages are directly passed to the client or mobile operator respectively. No further processing is done on ComGate side.

All MO SMS (incoming) with chosen keyword "PREFIX" are passed directly to the client. All MT SMS (outgoing) fulfilling the mandatory rules (mobile operator's codex) are directly passed to the mobile operator's system to be delivered to mobile phone.

All SMS text matching the regular expression "`^([^a-zA-Z0-9]*)PREFIX([^a-zA-Z0-9]+.*|$)`" are passed to the Client (PREFIX is keyword selected by Client). This regular expression means that all non-alphanumeric characters before prefix are ignored. After prefix there must be end of message or at least one non-alphaumeric character.

Examples of SMS that will be sent to Client:

- PREFIX HI
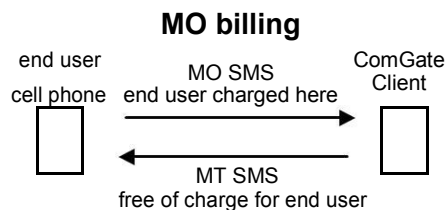- #...% ^pReFiX

Examples of SMS that will be NOT sent to Client:

- PRE_FIX
- PREFIXA

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Billing

ComGate provides two different ways of Premium rate SMS services – MO billing and MT billing – depending on the country and type of the service.
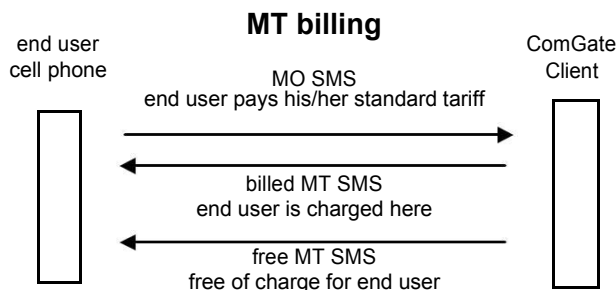
MO billing

In case of MO Billing, the end user pays at the moment of sending billed MO SMS from his/her mobile phone.

MO billing

end user
cell phone

MO SMS
end user charged here

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Client

MT SMS
free of charge for end user

MT billing

In case of MT billing, the end user pays at the moment of receiving billed MT SMS at his/her mobile phone (positive delivery report arrives back to the system). Client must wait for positive delivery report to be sure that end user was billed successfully. "Handshake process" is mandatory in some cases (higher price levels, e.g. more than 100 CZK in Czech Republic).

MT billing

end user
cell phone

MO SMS
end user pays his/her standard tariff

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billed MT SMS
end user is charged here

free MT SMS
free of charge for end user

Price level and originating number (shortcode) of the outgoing message are the same as price level and shortcode of the referred incoming message. The only exception is **MT billing (e.g. Slovakia)**, where the price level of the outgoing MT message is controlled by Client with the `billCode` parameter within the protocol.

General Rules

Client must follow the rules for SMS communication in each country where he provides his content. E.g. for the Czech Republic, Client must respond to each incoming MO SMS with price level higher or equal to 10 CZK. The response should be sent in 30 seconds and must contain the incoming SMS id. The maximum count of MT responses is 5 per each incoming MO SMS.

Client can also send outgoing MT SMS messages (bulk) with default incoming id (=0). This bulk service must be allowed by ComGate before.

Any requests sent towards ComGate server must authenticate themselves using HTTP Basic scheme, credentials will be provided upon service initialization.

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Security

The HTTP basic access authentication is used in communication. All Client's communication must be originated from whitelisted IP addresses. ComGate will always check Clients' credentials. Client should check credentials in all request called by ComGate. Preferred communication layer is HTTPS (SSL). Both username and password are set by ComGate. Password can be changed on Clients' request.

Communication protocol

For SMS and Delivery Reports transfer, you can choose one of the following communication protocols:

- HTTP POST – the simplest way using HTTP POST parameters (recommended)
- other protocols (e.g. XML-RPC, SMPP, ...) on demand

Account information

Your account information (login, password) will be sent to you on demand via separate email.

Testing the service

For testing the service, please use the following Testing URL:

https://smsapi-test.agmo.eu/test

Within this testing web site client is supposed to fill in the settings (chosen protocol, client's IP addresses, client's server URL, etc.) and test the client's implementation of SMS connection. Within testing there are only virtual MO SMS messages and Delivery reports – nothing is sent from/to end user's mobile phone.

For testing bulk MT SMS messages please use one of the following URLs (depending on chosen protocol):

https://smsapi-test.agmo.eu/server/httppost/v5

Also outgoing MT SMS messages are not physically sent to mobile phones.

User acceptance test

Depending on the provisioned service, Client must pass the User Acceptance Test (UAT) before the service is switched to the production on ComGate side. ComGate will check if the Client tested all required features according the provisioned service. ComGate will make other testing if needed.

Production

Online statistics (access params will be sent via separate email):

https://data.agmo.eu/

Production ComGate interface (according to the chosen protocol):

https://smsapi.agmo.eu/server/httppost/v5

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Protocol

Incoming SMS (MO SMS)

Client must provide URL with script processing new MO SMS. ComGate Gateway calls this url with HTTP POST parameters filled (url encoded) when new MO SMS for the Client arrives. The Client's script is called sequentially so there should be no concurrency issues to solve on Client's side.

It's possible to respond the MO sms immediately in http response (see below). Client is responsible for correct parameters of MT response (valid mobile number, sms text, etc.). In case of incorrect parameters MT responses are discarded on the ComGate side.

HTTP POST parameters		
Passes new MO SMS to the Client.		
Parameters:		
string	methodName	Method name value: receiveSmsMO
int	messageId	Message identifier The identifier should be used in sendSmsMT method calls
string	appNumber	Application number (shortcode)
string	mobileNumber	Phone number – MSISDN (international format with „+")
string	messageText	Message text
dateTime.iso8601	smscTime	SMSC timestamp YYYY-MM-DDTHH24:MI:SS+TZ
string	billCode	MO SMS value (price) code – refer to Appendix C – Bill codes
int	operatorId	Operator ID (MCC/MNC) – refer to Appendix B – Mobile operator IDs
int	serviceId	Service ID 1 – MO billing (MO PRSMS) 3 – MT billing (MT PRSMS) 4 – Bulk (Free) SMS 24 – MO billing (MO PRSMS SPEC – micropayments) 27 – MT billing (MT PRSMS SPEC – micropayments)
int	refNo	Concatenated MO short message reference number.
int	maxNo	Maximum number of MO short messages in the concatenated MO long message.
int	refId	ID common to all of MO short messages that belong together to the concatenated MO long message.
string	prefix1	First word of MO message text converted to uppercase.
string	prefix2	Second word of MO message text converted to uppercase. Omitted if not present in message text.

In case of accepting new MO message Client must return HTTP result code 200 and page body of content-type text/plain and text `OK`, otherwise http result code must be greater than 200 and page body must contain text `ERROR` and some error explanation.

In case of http result 200 OK Client can optionally append MT sms responses to the MO new sms (one per each line) after `OK` in http response body in form e.g.:

```
methodName=sendSmsMT&messageText=Thanks%20for%20your%20sms&clientMessageId=ABC
```

or

```
methodName=sendWapPush&contentURL=www%2Eagmo%2Eeu&contentTitle=agmo&clientMessageId=XYZ
```

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Each MT response is sent to the `mobileNumber` from MO sms (the same).

Available methods and parameters for MT reply within MO HTTP response are:

HTTP POST parameters – `sendSmsMT()`		
string	methodName	sendSmsMT
string	messageText	Text of the message (ASCII). Mandatory.
int	dataType	Type of message: 0 – text message 1 – binary message Optional – default = 0
string	billCode	MT SMS value (price level) identifier assigned by ComGate previously. **!!! IMPORTANT !!!** Use in case of **MT billing** (e.g. **Slovakia**). Please refer to Appendix C – Billing codes. Optional – default empty
string	clientMessageId	Unique id of the MT SMS in Client's system – recommended. Optional – default empty
Following parameters are optional and must be previously allowed by ComGate.		
int	refNo	Concatenated short message reference number.
int	maxNo	Maximum number of short messages in the concatenated long message.
int	refId	Common ID of short messages that belong together to form a concatenated long message.

HTTP POST parameters – `sendWapPush()`		
string	methodName	sendWapPush
string	contentUrl	URL of target content
string	contentTitle	Title of the content Will be displayed on the mobile phone, before WAP Push link is opened. Use it to describe target content.
string	billCode	MT SMS value (price level) identifier assigned by ComGate previously. **!!! IMPORTANT !!!** Use in case of **MT billing** (e.g. **Slovakia**). Please refer to Appendix C – Billing codes. Optional – default empty
string	clientMessageId	Unique id of the MT SMS in Client's system – recommended. Optional – default empty

Example – communication schema:

```
  [Cell Phone ---------- MO SMS                        -------> AGMO]
  AGMO         ---------- HTTP POST receiveSmsMO  ------> CLIENT
  AGMO         <--------- HTTP POST Response (OK) -------- CLIENT
```

or

```
  [Cell Phone ---------- MO SMS                                  -------> AGMO]
  AGMO         ---------- HTTP POST receiveSmsMO            -------> CLIENT
  AGMO         <--------- HTTP POST Response (OK, MT SMSs) -------- CLIENT
  AGMO         ---------- MT SMS                                 -------> Cell Phone
```

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Example of HTTP request:

```
POST /receiveSmsMOscript.asp HTTP/1.1
Pragma: no-cache
Accept: */*
Host: server.client.cz
Authorization: Basic eW91cklEOnlvdXIgcGFzc3dvcmQ=
User-Agent: AGMO_HTTP_POST_Client
Connection: close
Content-Length: 212
Content-Type: application/x-www-form-urlencoded

methodName=receiveSmsMO&messageId=998794212&appNumber=9030930&mobileNumber=%2B4207
3726461O&messageText=PREFIX%20CODE&smscTime=2010-02-28T10%3A06%3A47%2B02%3A00&bill
Code=CZK0000030&operatorId=23001&serviceId=1&refNo=1&maxNo=1&refId=0&prefix1=PREFI
X&prefix2=CODE
```

Example of HTTP response:

```
HTTP/1.1 200 OK
Connection: close
Date: Tue, 28 Feb 2010 10:06:47 GMT
Server: Microsoft-IIS/6.0
X-Powered-By: ASP.NET
Content-Length: 2
Content-Type: text/plain

OK
```

or:

```
HTTP/1.1 200 OK
Connection: close
Date: Tue, 28 Feb 2010 10:06:47 GMT
Server: Microsoft-IIS/6.0
X-Powered-By: ASP.NET
Content-Length: 164
Content-Type: text/plain

OK
methodName=sendSmsMT&messageText=Thanks%20for%20your%20sms&clientMessageId=AB
C
methodName=sendWapPush&contentUrl=Client%2Ecom%3Fcode%3Dxxxxx&contentTitle=Client%
2Ecom&clientMessageId=XYZ
```

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Delivery Report (DLR)

Client must provide URL with script processing new DLR. ComGate Gateway calls this url with HTTP POST parameters filled (url encoded) when new DLR for the Client when it arrives. The Client's script is called sequentially so there should be no concurrency issues to solve on Client's side.

HTTP POST parameters		
Passes new delivery report (DLR) to the Client.		
Parameters:		
string	methodName	Method name value: receiveDlr
string	clientMessageId	MT SMS Client's identifier. Identifies SMS to which DLR belongs. Empty, if not available within previous MT method call.
string	mobileNumber	Phone number – MSISDN (international format with „+")
string	appNumber	Application number (shortcode)
dateTime.iso8601	msgTime	MT SMS submit date in the form YYYY-MM-DDTHH24:MI:SS+TZ
string	msgTextPart	First 20 characters of MT SMS text.
dateTime.iso8601	dlrTime	MT [non]delivery date in the form YYYY-MM-DDTHH24:MI:SS+TZ
int	status	MT delivery status 0 – undeliverable 1 – delivered
string	statusDesc	Further description for delivery status

In case of accepting new delivery report (DLR) Client must return http result code 200 and page body of content-type text/plain and text OK, otherwise http result code must be greater than 200 and page body must contain text ERROR and some error explanation.

Example – communication schema:

```
[AGMO          ---------- MT SMS   ------- > Cell Phone]
Cell Phone ---------- DLR-------          > AGMO
CLIENT         <-------- DLR--------        AGMO
```

Example of HTTP request:

```
POST /receiveDlrScript.asp HTTP/1.1
Host: server.client.cz
Authorization: Basic eW91cklEOnlvdXIgcGFzc3dvcmQ=
Connection: close
Content-Length: 137
Content-Type: application/x-www-form-urlencoded

methodName=receiveDlr&clientMessageId=ABC&mobileNumber=%2B420737264610&appNumber=9
030903&msgTime=2010-08-10T15%3A11%3A31%2B02%3A00&msgTextPart=Thanks%20for%20your%2
0sms&dlrTime=2010-08-10T15%3A11%3A37%2B02%3A00&status=1&statusDesc=Delivered
```

Example of HTTP response:

```
HTTP/1.1 200 OK
Connection: close
Date: Tue, 28 Feb 2010 10:06:47 GMT
Content-Length: 2
Content-Type: text/plain

OK
```

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Sending SMS (MT SMS)

For sending text or binary MT SMS Client uses synchronous MT SMS sending within MO PUSH request (see Incoming SMS (MO) above) or asynchronous MT SMS sending using `sendSmsMT()` method at the ComGate server.

For asynchronous MT sending, ComGate will provide URL with script processing MT sms. In this case Client must provide IP address from which he will connect to the ComGate server (to be added to ComGate white list).

Sending text or binary MT message

HTTP POST parameters		
Passes new MT SMS to the end user.		
Parameters:		
string	methodName	Method name value: sendSmsMT Mandatory.
string	mobileNumber	Mobile phone number International format must be used, e.g. +420737264610 Mandatory.
string	messageText	Text of the message Mandatory.
int	replyToId	Incoming message identifier If the message is response to an incoming message, its identifier must be used. If there is no incoming message preceding this message (service "bulk" must be allowed by ComGate before), either omit this parameter, or use replyToId = 0 Optional – default = 0

int	dataType	Type of message:
		  0 – text message
		  1 – binary message
		Optional – default = 0

string	billCode	MT billed SMS price level billing code. Please refer to Appendix C – Billing codes. **!!! IMPORTANT !!!** Mandatory use in case of **MT billing** (e.g. **Slovakia**), otherwise optional – default empty
string	clientMessageId	Unique id of the MT SMS in Client's system – recommended. Optional – default empty
string	appNumber	Long number (MSISDN) or shortcode from which the sms should be sent - must be agreed with ComGate before. Optional – default is the shortcode/long number where the incoming MO message arrived).
Following parameters are optional and must be previously allowed by ComGate.		
int	refNo	Concatenated short message reference number.
int	maxNo	Maximum number of short messages in the concatenated long message.
int	refId	Common ID of short messages that belong together to form a concatenated long message.
int	subscriptionId	Id of the subscription service.

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Sending WAP push MT message

For sending WapPush message (binary MT SMS with wap url) Client uses `SendWapPush()` method. Request structure as well as response format are analogous to `sendSmsMT()` method call.

HTTP POST parameters		
Passes new MT SMS to the end user.		
Parameters:		
string	methodName	Method name value: SendWapPush Mandatory.
string	mobileNumber	Mobile phone number International format must be used, e.g. +420737264610 Mandatory.
string	contentUrl	URL of target content. Mandatory.
string	contentTitle	Title of the content Will be displayed on the mobile phone, before WAP Push link is opened. Use it to describe target content. Mandatory.
int	replyToId	Incoming message identifier If the message is response to an incoming message, its identifier must be used. If there is no incoming message preceding this message (service "bulk" must be allowed by ComGate before), either omit this parameter, or use replyToId = 0 Optional – default = 0
string	billCode	MT billed SMS price level billing code. Please refer to Appendix C – Billing codes. **!!! IMPORTANT !!!** Mandatory use in case of **MT billing** (e.g. **Slovakia**), otherwise optional – default empty
string	clientMessageId	Unique id of the MT SMS in Client's system – recommended. Optional – default empty
string	appNumber	Long number (MSISDN) or shortcode from which the sms should be sent - must be agreed with ComGate before. Optional – default is the shortcode/long number where the incoming MO message arrived).
int	subscriptionId	Id of the subscription service.

In case of replying to MO SMS, mobile number and originating number (shortcode) of the MT message must be the same as mobile number and shortcode of the referred incoming (MO) message. In case of MT billing (e.g. Slovakia), the price level of the MT message is fully controlled by Client with the `billCode` parameter.

Binary messages should be passed in IA5 format including User Data Header (UDH). If SMS should be sent without UDH, add "00" before message body. IA5 format means that each byte is represented by its 2 digits' HEX code. E.g. character 'A', byte with ASCII value 65 would be encoded as 41.

In case of accepting MT SMS message ComGate system returns http result code 200 and page body of content-type text/plain and text OK. Otherwise, http result code is greater than 200 and page body contains text ERROR and some error explanation. Error codes for client (Client) errors are 4xx – the MT message request must not be sent again. Error codes for server (ComGate) errors are 5xx – Client should repeat the `sendSmsMT()` or `sendWapPush()` all in this case.

Example – communication schema:

```
CLIENT----------      MT SMS   ------- > AGMO
Cell Phone <--------- MT SMS   --------    AGMO
```

Example of HTTP request:

```
POST /server/httppost/v5 HTTP/1.0
Pragma: no-cache
Accept: */*
Host: smsapi-test.agmo.eu
Authorization: Basic eW91cklEOnlvdXIgcGFzc3dvcmQ=
Connection: close
Content-Length: 176
Content-Type: application/x-www-form-urlencoded

methodName=sendSmsMT&mobileNumber=%2B420737264610&messageText=Thank%20you%20for%20
your%20sms&replyToId=998794212&dataType=0&clientMessageId=ABC
```

Example of HTTP response:

```
HTTP/1.1 200 OK
Connection: close
Date: Tue, 28 Feb 2010 10:06:47 GMT
Content-Length: 2
Content-Type: text/plain

OK
```

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Sending MMS (MT MMS)

For sending MT MMS Client uses synchronous `sendMmsMT()` method at the ComGate server.

Sending MT MMS

HTTP POST parameters		
Passes new MT MMS to the end user.		
Parameters:		
string	methodName	Method name value: sendMmsMT Mandatory.
string array	mobileNumbers	Array of mobile phone numbers International format must be used, e.g. +420737264610 Mandatory.
string	subject	Subject of the message Mandatory.
string array	name	Array of file names Mandatory.
string array	mime	Array of mime types Mandatory.
base64 array	data	Array of data base64 encoded Mandatory.
int	replyToId	Incoming message identifier If the message is response to an incoming message, its identifier must be used. If there is no incoming message preceding this message (service "bulk" must be allowed by ComGate before), either omit this parameter, or use replyToId `= 0` Optional – default = 0
string	billCode	MT billed SMS price level billing code. Please refer to Appendix C – Billing codes. **!!! IMPORTANT !!!** Mandatory use in case of **MT billing**, otherwise optional – default empty
string	clientMessageId	Unique id of the MT SMS in Client's system – recommended. Optional – default empty
string	appNumber	Long number (MSISDN) or shortcode from which the sms should be sent - must be agreed with ComGate before. Optional – default is the shortcode/long number where the incoming MO message arrived).

Arrays are specified using `[]=` operator. See example below. Arrays `name`, `mime` and `data` must have same dimensions. If specified dimensions are not equal, whole request is rejected and no MMS is sent. Array `mobileNumbers` must contain at least one mobile number.

Example – communication schema:

```
CLIENT----------        MT MMS    ------- > AGMO
Cell Phone <--------- MT MMS   --------   AGMO
```

Example of HTTP request:

```
POST /server/httppost/v5 HTTP/1.0
Pragma: no-cache
```

```
Accept: */*
Host: smsapi-test.agmo.eu
Authorization: Basic eW91cklEOnlvdXIgcGFzc3dvcmQ=
Connection: close
Content-Length: 176
Content-Type: application/x-www-form-urlencoded

methodName=sendMmsMT&mobileNumber[]=%2B420737264610&mobileNumber[]=%2B420737264612
&subject=Welcome%20to%service&name[]=Message%20body&mime[]=text/plain&data[]=UCYjM
zQ1O%2B1saZognmx1JiMzNTc7b3UmIzI2OTtr%2FSBrJiMzNjc7JiMzMjg7IHAmIzI4MztsICYj%0D%0A%
09%09MjcxO%2BFiZWxza%2Bkg82R5Lg%3D%3D&clientMessageId=ABC
```

Example of HTTP response:

```
HTTP/1.1 200 OK
Connection: close
Date: Tue, 28 Feb 2010 10:06:47 GMT
Content-Length: 2
Content-Type: text/plain

OK
```

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List of errors

HTTP code	Error code	Error message	Description
401	1	Unauthorized	Error of HTTP basic authentication.
404	2	Method not known	Invalid method specified
403	3	Invalid mobile number	Invalid format of mobile number specified
403	4	SMS text missing	Mandatory parameter `messageText` omitted.
403	5	Invalid number format for replyToId	Invalid number format for `replyToId` specified
403	6	Invalid dataType	Invalid parameter `dataType` specified
403	7	Invalid serviceId	Invalid parameter `serviceId` specified
403	8	Invalid number format for `clientMessageId`	Invalid format of optional parameter `clientMessageId` specified
403	9	Invalid refNo	Invalid parameter `refNo` specified.
403	10	Invalid maxNo	Invalid parameter `maxNo` specified.
403	11	Invalid refId	Invalid parameter `refId` specified.
403	12	Mobile number missing	Mandatory parameter `mobileNumber` omitted.
403	13	SMS text missing	Mandatory parameter `messageText` omitted.
403	14	SMS text not in UTF-8	Invalid string specified for parameter `messageText`.
403	15	refNo out of bounds	Parameter `refNo` is greater than `maxNo` or `lower 1`.
403	16	parameter mobileNumbers is not an array	Parameter `mobileNumbers` is not specified as an array
403	17	parameter name is not an array	Parameter `name` is not specified as an array
403	18	parameter mime is not an array	Parameter `mime` is not specified as an array
403	19	parameter data is not array	Parameter `data` is not specified as an array
403	20	MMS subject missing	Mandatory parameter `subject` omitted
403	21	name array missing	Mandatory parameter `name` omitted
403	22	mime array missing	Mandatory parameter `mime` omitted
403	23	data array missing	Mandatory parameter `data` omitted
403	101	Invalid (non-existing) replyToId	Invalid MO SMS ID specified.
403	102	Incorrect appNumber	Invalid application number (shortcode) specified.
403	103	Forbidden (cannot send for this mobile/settings)	Invalid combination of mobile number and shorcode specified (e.g. SK mobile number and CZ shortcode specified).
403	104	Message text too long	Text of message exceeded maximal length.
403	105	Forbidden (spam not allowed)	MO SMS ID not specified and sending MT SMS without this ID is not allowed for this country or `billCode` (if used).
403	106	Invalid mobile number specified	Mobile number specified in `mobileNumber` parameter and mobile number, specified in message referenced by `replyToId`, are different.
403	107 108 109	appNumber in MO SMS do not match	Specified `appNumber` do not match appNumber in MO SMS referenced by `replyToId`.
403	110	Response time limit	Maximum response time exceeded for specified

		exceeded	`replyToId`.
403	111	Response count limit exceeded	Maximum response count exceeded for specified `replyToId`.
403	112	Missing MO SMS with text "ANO"	Invalid MO SMS specified. Specified SMS cannot be used for replying because it does not contain text "ANO". Reported only for Czech MT Billing on price levels greater than 100 CZK.
403	113	Invalid replyToId specified	Invalid MO SMS specified. Specified SMS cannot be used for replying. Reported only for Czech MT Billing on price levels greater than 100 CZK.
403	114	Invalid mobile number specified	Mobile number specified in `mobileNumber` parameter and mobile number, specified in message referenced by replyToId, are different. Reported only for Czech MT Billing on price levels greater than 100 CZK.
403	115	Cannot send sms for this settings	Invalid parameters specified
403	116	Duplicate SMS	Duplicate sms with same `clientMessageId` specified.
403	121	Invalid billCode	Invalid parameter `billCode` specified.
403	124	Invalid array sizes	Sizes of arrays `name`, `mime` and `data` are not equal.
403	126	Invalid service ID	Invalid MT billing service ID
403	127	Wrong initial sms from partner	Wrong initial sms from partner
403	128	Necessary events not handled	Necessary events not handled
403	129	Service is not active	Service is not active
403	130	Invalid price for this service	Invalid price for this service
403	131	MT billing service limit exceeded	MT billing service limit exceeded
403	132	MT billing daily limit exceeded	MT billing daily limit exceeded
403	133	MT billing weekly limit exceeded	MT billing weekly limit exceeded
403	134	MT billing monthly limit exceeded	MT billing monthly limit exceeded
403	135	User is not registered with this service, sending sms is not permitted	User is not registered with this service, sending sms is not permitted
403	136	Illegal billed sms	Illegal billed sms
403	137	Necessary event "ChargeInfo" not handled	Handle CHARGE INFO first
403	138	Necessary event "Help" not handled	Handle HELP first
500	500	Unknown error	

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Appendix A - Short codes

Czech Republic

Billing type	Short code form	Description	Example	Price level (incl. VAT)
MO billing	903 09 xx	xx is price in CZK incl. VAT	903 09 50	50,- CZK
MT billing	903 09 xxx	xxx is price in CZK incl. VAT	903 09 079	79,- CZK

Slovak Republic

Billing type	Short code	Price level (incl. VAT)
MT billing	7600	0.10 EUR
MT billing	7605	0.20 EUR
MT billing	7601	0.50 EUR
MT billing	7602	0.80 EUR
MT billing	7603	1.20 EUR
MT billing	7604	1.60 EUR
MT billing	7603	2.00 EUR
MT billing	7604	3.00 EUR
MT billing	7604	4.00 EUR
MT billing - micropayments	8866	0.2 EUR - 20 EUR

Poland

Billing type	Short code form	Description	Example	Price level (excl. VAT)
MO billing	7 x y z[z] 9 xx y [z]	x or xx is price in PLN excl. VAT y is 8 - 9 for erotic services and 0 – 7 for non-erotic services z is any of 0-9	79550 91919	9,- PLN 19,- PLN
MT billing	5 xx zz 6 xx zz	starting with 5, xx is price in grosz starting with 6, xx is price in PLN	55068 60268	0,50 PLN (50 groszy) 2,- PLN

Hungary

Billing type	Short code	Price level (excl. VAT)
MO billing with mandatory MT response	0690619619 0690648668	800,- HUF 1500,- HUF

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Appendix B - Mobile operator IDs

Country	Operator name	MCC/MNC	Country	Operator name	MCC/MNC
unknown	Unknown	0			
CZ	O2 CZ	23002	PL	Plus PL	26001
CZ	T-Mobile CZ	23001	PL	T-Mobile (Era) PL	26002
CZ	Vodafone CZ	23003	PL	Orange PL	26003
CZ	fixed line CZ	23000	PL	Play Mobile PL	26006
SK	T-Mobile SK	23102	PL	Polsat Cyfrowy PL (MVNO)	26012
SK	Orange SK	23101	HU	Pannon HU	21601
SK	fixed line SK	23100	HU	T-Mobile HU	21630
SK	O2 SK	23106	HU	Vodafone HU	21670

Appendix C - Billing codes

Billing codes must be used by Client in case of MT billing (see above).

Czech Republic

Price level including VAT in CZK.

Billing code	Price level	Billing code	Price level	Billing code	Price level
CZK0000000	0 CZK	CZK0000040	40 CZK	CZK0000150	150 CZK
CZK0000002	2 CZK	CZK0000042	42 CZK	CZK0000160	160 CZK
CZK0000003	3 CZK	CZK0000046	46 CZK	CZK0000165	165 CZK
CZK0000004	4 CZK	CZK0000050	50 CZK	CZK0000170	170 CZK
CZK0000005	5 CZK	CZK0000055	55 CZK	CZK0000180	180 CZK
CZK0000006	6 CZK	CZK0000059	59 CZK	CZK0000199	199 CZK
CZK0000008	8 CZK	CZK0000060	60 CZK	CZK0000200	200 CZK
CZK0000009	9 CZK	CZK0000065	65 CZK	CZK0000229	229 CZK
CZK0000010	10 CZK	CZK0000069	69 CZK	CZK0000240	240 CZK
CZK0000012	12 CZK	CZK0000070	70 CZK	CZK0000249	249 CZK
CZK0000014	14 CZK	CZK0000079	79 CZK	CZK0000250	250 CZK
CZK0000015	15 CZK	CZK0000080	80 CZK	CZK0000299	299 CZK
CZK0000017	17 CZK	CZK0000089	89 CZK	CZK0000300	300 CZK
CZK0000020	20 CZK	CZK0000090	90 CZK	CZK0000349	349 CZK
CZK0000023	23 CZK	CZK0000095	95 CZK	CZK0000399	399 CZK
CZK0000025	25 CZK	CZK0000099	99 CZK	CZK0000400	400 CZK
CZK0000026	26 CZK	CZK0000100	100 CZK	CZK0000449	449 CZK
CZK0000030	30 CZK	CZK0000110	110 CZK	CZK0000499	499 CZK
CZK0000034	34 CZK	CZK0000115	115 CZK	CZK0000500	500 CZK
CZK0000035	35 CZK	CZK0000120	120 CZK	CZK0000549	549 CZK
CZK0000038	38 CZK	CZK0000140	140 CZK	CZK0000599	599 CZK
CZK0000039	39 CZK	CZK0000149	149 CZK	CZK0000600	600 CZK

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Slovak Republic – 76xx shortcodes

Price level including VAT in EUR.

Billing code	Price level	Billing code	Price level
EUR0010000	0,000 EUR	EUR0011012	1,200 EUR
EUR0011001	0,100 EUR	EUR0011016	1,600 EUR
EUR0011002	0,200 EUR	EUR0011020	2,000 EUR
EUR0011005	0,500 EUR	EUR0011030	3,000 EUR
EUR0011008	0,800 EUR	EUR0011040	4,000 EUR
EUR0011010	1,000 EUR		

Slovak Republic – 8866 shortcode

Billing code	Price level	Billing code	Price level	Billing code	Price level
EUR0010000	0.0 EUR	EUR0011041	4.1 EUR	EUR0011081	8.1 EUR
EUR0011002	0.2 EUR	EUR0011042	4.2 EUR	EUR0011082	8.2 EUR
EUR0011003	0.3 EUR	EUR0011043	4.3 EUR	EUR0011083	8.3 EUR
EUR0011004	0.4 EUR	EUR0011044	4.4 EUR	EUR0011084	8.4 EUR
EUR0011005	0.5 EUR	EUR0011045	4.5 EUR	EUR0011085	8.5 EUR
EUR0011006	0.6 EUR	EUR0011046	4.6 EUR	EUR0011086	8.6 EUR
EUR0011007	0.7 EUR	EUR0011047	4.7 EUR	EUR0011087	8.7 EUR
EUR0011008	0.8 EUR	EUR0011048	4.8 EUR	EUR0011088	8.8 EUR
EUR0011009	0.9 EUR	EUR0011049	4.9 EUR	EUR0011089	8.9 EUR
EUR0011010	1.0 EUR	EUR0011050	5.0 EUR	EUR0011090	9.0 EUR
EUR0011011	1.1 EUR	EUR0011051	5.1 EUR	EUR0011091	9.1 EUR
EUR0011012	1.2 EUR	EUR0011052	5.2 EUR	EUR0011092	9.2 EUR
EUR0011013	1.3 EUR	EUR0011053	5.3 EUR	EUR0011093	9.3 EUR
EUR0011014	1.4 EUR	EUR0011054	5.4 EUR	EUR0011094	9.4 EUR
EUR0011015	1.5 EUR	EUR0011055	5.5 EUR	EUR0011095	9.5 EUR
EUR0011016	1.6 EUR	EUR0011056	5.6 EUR	EUR0011096	9.6 EUR
EUR0011017	1.7 EUR	EUR0011057	5.7 EUR	EUR0011097	9.7 EUR
EUR0011018	1.8 EUR	EUR0011058	5.8 EUR	EUR0011098	9.8 EUR
EUR0011019	1.9 EUR	EUR0011059	5.9 EUR	EUR0011099	9.9 EUR
EUR0011020	2.0 EUR	EUR0011060	6.0 EUR	EUR0011100	10.0 EUR
EUR0011021	2.1 EUR	EUR0011061	6.1 EUR	EUR0011101	10.1 EUR
EUR0011022	2.2 EUR	EUR0011062	6.2 EUR	EUR0011102	10.2 EUR
EUR0011023	2.3 EUR	EUR0011063	6.3 EUR	EUR0011103	10.3 EUR
EUR0011024	2.4 EUR	EUR0011064	6.4 EUR	EUR0011104	10.4 EUR
EUR0011025	2.5 EUR	EUR0011065	6.5 EUR	EUR0011105	10.5 EUR
EUR0011026	2.6 EUR	EUR0011066	6.6 EUR	EUR0011106	10.6 EUR
EUR0011027	2.7 EUR	EUR0011067	6.7 EUR	EUR0011107	10.7 EUR
EUR0011028	2.8 EUR	EUR0011068	6.8 EUR	EUR0011108	10.8 EUR
EUR0011029	2.9 EUR	EUR0011069	6.9 EUR	EUR0011109	10.9 EUR
EUR0011030	3.0 EUR	EUR0011070	7.0 EUR	EUR0011110	11.0 EUR
EUR0011031	3.1 EUR	EUR0011071	7.1 EUR	EUR0011120	12.0 EUR
EUR0011032	3.2 EUR	EUR0011072	7.2 EUR	EUR0011130	13.0 EUR
EUR0011033	3.3 EUR	EUR0011073	7.3 EUR	EUR0011140	14.0 EUR
EUR0011034	3.4 EUR	EUR0011074	7.4 EUR	EUR0011150	15.0 EUR
EUR0011035	3.5 EUR	EUR0011075	7.5 EUR	EUR0011160	16.0 EUR
EUR0011036	3.6 EUR	EUR0011076	7.6 EUR	EUR0011170	17.0 EUR
EUR0011037	3.7 EUR	EUR0011077	7.7 EUR	EUR0011180	18.0 EUR
EUR0011038	3.8 EUR	EUR0011078	7.8 EUR	EUR0011190	19.0 EUR
EUR0011039	3.9 EUR	EUR0011079	7.9 EUR	EUR0011200	20.0 EUR

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EUR0011040 4.0 EUR	EUR0011080 8.0 EUR	

Poland

Price level excluding VAT in PLN.

Billing code	Price level	Billing code	Price level	Billing code	Price level
PLN0040000	0.00 PLN	PLN0040003	3.00 PLN	PLN0040015	15.00 PLN
PLN0041010	0.10 PLN	PLN0040004	4.00 PLN	PLN0040016	16.00 PLN
PLN0041020	0.20 PLN	PLN0040005	5.00 PLN	PLN0040017	17.00 PLN
PLN0041030	0.30 PLN	PLN0040006	6.00 PLN	PLN0040018	18.00 PLN
PLN0041040	0.40 PLN	PLN0040007	7.00 PLN	PLN0040019	19.00 PLN
PLN0041050	0.50 PLN	PLN0040008	8.00 PLN	PLN0040020	20.00 PLN
PLN0041060	0.60 PLN	PLN0040009	9.00 PLN	PLN0040021	21.00 PLN
PLN0041070	0.70 PLN	PLN0040010	10.00 PLN	PLN0040022	22.00 PLN
PLN0041080	0.80 PLN	PLN0040011	11.00 PLN	PLN0040023	23.00 PLN
PLN0041090	0.90 PLN	PLN0040012	12.00 PLN	PLN0040024	24.00 PLN
PLN0040001	1.00 PLN	PLN0040013	13.00 PLN	PLN0040025	25.00 PLN
PLN0040002	2.00 PLN	PLN0040014	14.00 PLN		

Hungary

Price level excluding VAT in HUF.

Billing code	Price level
HUF0100480	400 HUF
HUF0100960	800 HUF
HUF0101200	1000 HUF
HUF0101800	1500 HUF