

SMS Service SMSC – SMPP Protocol Description v 2.5

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ATTENTION:

Please note that depending on your account type some features and or functions may not be available (e.g. specified sender id on Bulk or Fixed ID routes)!

You need to have a separate service agreement from IDM prior to using the SMSC gateway.

1 SMPP Server Details

Our system handles the SMPP protocol 3.3 and 3.4 implementation. We do however recommend binding with SMPP protocol V 3.4.

SMPP Connectivity Parameters:

SMPP	Host:	Server IP is specified in the access file
SMPP	Port:	Server port is specified in the access file
Bind	TON/ NPI:	O/O
Bind	System type:	SMPP
Bind	Service type:	n/a

2 SMPP Status and Error Codes:

2.1 SMPP Server Error Codes

Upon a bind request to our systems we will return either of the following codes:

Bind successful:	0
Bind failed due to invalid user/password:	13

Upon submission of an SMS to our systems, we will return either of the following:

SMS submission successful:	“SMS message id” returned
SMS submission unsuccessful:	“System error” (88)

Please note that system error is only returned if your account is blocked or you submit incorrectly formatted messages.

2.2 SMS DLR Error Codes

If you request a delivery receipt, every SMS is receiving a status update via SMPP. Our system will return the standard SMPP error codes as below:

Message Status/ Error Codes	Description
1	SMS is "enroute" and pending a DLR (interim DLR might be send to ESME)
2	SMS is "delivered"
3	SMS is "expired"
4	SMS is "deleted"
5	SMS is "undelivered"
6	SMS is "accepted"
7	SMS is "unknown"
8	SMS is "rejected"

2.3 SMS DLR extended Error Codes

Furthermore the system will return additional error/failure information in case of non delivery of a specific SMS message in the "**err:XXX**" field of the DLR message field:

Presently we are supporting the following error codes (see next page)

A Sample would be like: **id:3233765794 sub:001 dlvr:000 submit date:1212011209 done date:1212011209 stat:UNDELIV err:101 text:.**

Please note that we have mapped all other errors to 'System failure' due to the technical complexity of SS7 error codes. In case you want a specific error code for a specific Message status added to your error codes, please contact your account manager.

Error codes on SRI	
1xx	
101	Absent Subscriber on SRI
102	Unknown Subscriber on SRI
103	Call Barred on SRI
104	No Response From Peer on SRI
105	Unexpected Data Value on SRI
106	Invalid Response Received on SRI
107	TeleService Not Provisioned on SRI
108	Message Waiting List Full on SRI
109	No HTTP Response Exception on SRI
112	System Failure on SRI

Error codes on MT	
3xx	
301	Absent Subscriber on MT
302	Unknown Subscriber on MT
303	Call Barred on MT
304	No Response From Peer on MT
305	Unexpected Data Value on MT
306	Invalid Response Received on MT
307	
308	
309	No HTTP Response Exception on MT
310	Subscriber Busy on MT
311	Delivery Failure on MT
312	System Failure on MT
313	Unidentified Subscriber on MT
314	Illegal Subscriber on MT
315	SS Incompatibility on MT
316	Facility Not Supported on MT
317	Unused on MT
318	Illegal Equipment on MT
319	MisTyped Parameter on MT

Error codes others	
0xx	
001	Unknown – Generic Error
002	Session Timeout
003	Absence Mandatory Parameter

3 Customer Portal

To check for your Message Status, Statistics, Invoice Archive and Balance Type and/or to update your contact information, please go to our customer portal:

<https://portal.i-digital-m.com>

4 Additional Support

For additional support inquiries please contact support@i-digital-m.com . Please make sure to provide adequate contact information and in case of an inquiry to a specific SMS message, please provide “useraccount, SMS destination address, SMS message id, send time and date”.

Kind regards, IDM SMSC Support Team!