

# ViaHub SMPP Form

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Week office hours are:

- Monday-Friday 10:00 - 18:00 GMT
- 24/7 Support Team Availability

Contact

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## Server information

Location Country	Germany
Location City	Nuremberg
Location Address	Sigmundstrasse (Nuremberg Data CenterPark)
Colocation Name	Hetzner Online
Type of Internet Connection	Datacenter redundant network
ISP	200 Gbit/s DE-CIX, 100 Gbit/s Init7, 60 Gbit/s Level3, 30 Gbit/s Noris Network, 30 Gbit/s Cogent, 10 Gbit/s Global Crossing, 10 Gbit/s N-IX, 10 Gbit/s ECIX, 10 Gbit/s NL-IX, 10 Gbit/s DATA-IX, 10 Gbit/s AMS-IX, 10 Gbit/s V-IX, 90 Gbit/s Private Peerings
Bandwidth /Mbps	580 Gbit Bandwidth / write 100Mb/s

## Connection data

Server IP	88.198.186.248
Port	9000
Username(system_id)	To be provided
Password	To be provided
Service Type	CMT
Bind connection limit	Maximum 4 sessions
Bind Mode	Tranceiver or Trasmitter/Receiver
Maximum throughput (SMS/sec.)	25

## IPsec Tunnel

VPN concentrator IP address: *88.198.186.248*  
Infrastructure IP: *172.16.72.10*

### Mechanisms for Phase 1

Hashing algorithm	SHA-1
Encryption (3DES)	AES-128
Authentication	The pre-shared key will be determined before VPN setup.
IKE SA lifetime	86400 seconds/no volume limit

### Mechanisms for Phase 2

Encryption	AES-128
Authentication	SHA-1
Perfect Forward Secrecy (PFS)	Group 2
IPSEC SA lifetime	3600 seconds/no volume limit

## SMPP specific data

MID form	<Integer>.<Integer>
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## Message states

Scheduled	0x0
En-route	0x1
Delivered	0x2
Expired	0x3
Deleted	0x4
Undeliverable	0x5
Accepted	0x6
Unknown	0x7
Rejected	0x8
Skipped	0x9

## NPI types (Numbering Plan Indicator)

Unknown	00000000	0
ISDN (E163/E164)	00000001	1
Data (X.121)	00000011	3
Telex (F.69)	00000100	4
Land Mobile (E.212)	00000110	6
National	00001000	8
Private	00001001	9
ERMES	00001010	10
Internet (IP)	00001110	14
WAP Client Id (defined by WAP Forum)	00010010	18

## TON types (Type of Numbering)

Unknown	00000000	0
International	00000001	1
National	00000010	2
Network Specific	00000011	3
Subscriber Number	00000100	4
Alphanumeric	00000101	5
Abbreviated	00000110	6

## Error codes (common)

0	0x0	ESME_ROK	Ok - Message Accepted
1	0x1	ESME_RINVMGLEN	Invalid Message Length
2	0x2	ESME_RINVCMDLEN	Invalid Command Length
3	0x3	ESME_RINVCMDID	Invalid Command ID
4	0x4	ESME_RINVBNDSTS	Invalid bind status
5	0x5	ESME_RALYBND	Bind attempted when already bound
6	0x6	ESME_RINVPRTFLG	Invalid priority flag
7	0x7	ESME_RINVREGDLVFLG	Invalid registered-delivery flag
8	0x8	ESME_RSYSERR	SMSC system error
10	0xa	ESME_RINVSRCADR	Invalid source address
11	0xb	ESME_RINVDSTADR	Invalid destination address
12	0xc	ESME_RINVMGID	Invalid message-id
13	0xd	ESME_RBINDFAIL	Generic bind failure
14	0xe	ESME_RINVPASWD	Invalid password
15	0xf	ESME_RINVSYSID	Invalid System-ID
17	0x11	ESME_RCANCELFAIL	Cancel failure
19	0x13	ESME_RREPLACEFAIL	Replace failure
20	0x14	ESME_RMSGQFUL	Too many messages in queue, at present
22	0x16	ESME_RINVSERTYP	Invalid services type
51	0x33	ESME_RINVNUMDESTS	Invalid number of destination addresses
52	0x34	ESME_RINVDLNAME	Invalid name
64	0x40	ESME_RINVDESTFLAG	Invalid Destination Flag Option
66	0x42	ESME_RINVSUBREP	Invalid value for submit with replace
67	0x43	ESME_RINVESMCLASS	Invalid value for esm_class field
68	0x44	ESME_RCNTSUBDL	Cannot submit to a distribution list
69	0x45	ESME_RSUBMITFAIL	Generic submission failure
72	0x48	ESME_RINVSRCNPI	Invalid type of number for source
73	0x49	ESME_RINVSRCNPI	Invalid NPI for source
74	0x4a	ESME_RINVDSTNPI	Invalid type of number for destination
75	0x4b	ESME_RINVDSTNPI	Invalid NPI for destination
77	0x4d	ESME_RINVSYSTYP	Invalid esm type
78	0x4e	ESME_RINVREPFLAG	Invalid submit with replace flag option
85	0x55	ESME_RINVNUMMSG	Invalid number_of_messages parameter
88	0x58	ESME_RTHROTTLED	SMSC is throttling inbound messages
98	0x62	ESME_RINVEXPIRY	Invalid Validity Date
103	0x67	ESME_RQUERYFAIL	Query failure
194	0xc2	ESME_RINVPARLEN	Invalid optional parameter length
195	0xc3	ESME_RMISSINGOPTPARAM	Missing optional parameter
196	0xc4	ESME_RINVOPTPARAMVAL	Invalid optional parameter value
254	0xfe	ESME_RDELIVERYFAILURE	Generic delivery failure
255	0xff	ESME_RUNKNOWNERR	Unknown Error



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## Escalation contact points

Level	Position	Fault Monitoring & Management	Time
1	On Duty Engineer	Skype id: viahub Office phone: 0038531638399 Email: support@viahub.net	<u>2 hours</u>
2	Delivery & Assurance Manager	<i>Iva Kalajzic</i> Mobile phone: 00385998005897 Email: iva.kalajzic@viahub.de	<u>4 hours</u>
3	Chief Technical Engineer	<i>Vedran Tomljanovic</i> Mobile phone: 00385951980567 Email: vedran.tomljanovic@viahub.de	<u>8 hours</u>
4	Delivery & Assurance Managing Director	<i>Ahmed Elkammar</i> Mobile phone: 0012124648656 Email: ahmed@viahub.net	<u>12 hours</u>