

netGSM SOAP Service

Protocol for using „SMS GW“ & RFID on the Poseidon units. It's used PSSI for communication.

Warning: **SMS GW function on the Poseidon units has limited sources!**
Implement limit 5 SMS per minute to your software and handle reject in the software.

Poseidon SOAP Service Interface (PSSI)

Both **RFID** and **netGSM** use common interface. It differentiates only by different XML. On Poseidon, it's necessary configure hostname/port, where the request of the service will be sent.

Services (common API SOAP interface)

Use this archive - poseidon.wsdl (*You find the examples of communication below*) for the work.

service	function	parameters	result
QueueAdd	put, put in a queue	XML with data, cmd=SMS, Call	rslt=0, id=nnn: ID of record
QueuePick	get, get from a queue	-	XML with data
QueueStatus	Information about queue	Type of queue:qRfid, qGsmOut, qGsmIn	max=5, cnt=2, missed=0
RecordStatus	Information about request	id=nnn	e.g. retry=5
RecordDelete	Deletion of request	id=nnn	rslt=0: OK
NotificationEvent	Something is coming	XML with data	
Command	(action, e.g. request about values)	XML with data	
ServiceStatus	Information about service	-	rslt=disabled

RFID notification

Phase 1: If the card is coming, Poseidon sends NotificationEvent, where will be **time, id of RFID card, name of device, MAC**. rslt=0: OK, delates from queue itself. Error – 3 times repeats.

Phase 2: It's possible to ask for the state of output queue, where the events wait for to be sent.

netGSM

The requests for send of SMS or ring. After put in a queue, you receive ID, through this ID you can ask for the state of request.

It's sent QueueAdd **queue=qGsmOut, cmd={SMS|Call}, phone number and message** or **cmd=ringNotify, phone number**. **rslt=0, id=nnn**: the request is put, or **rslt=err_no**: the request is not put

You receive SMS or somebody rings: NotificationEvent, in xml cmdType, phoneNumber[, text of message]

Examples of questions and answers

All following communication should be put between following tags (in place of comment: Data):

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:pos="poseidonService.xsd">
<soapenv:Header/>
  <soapenv:Body>
    <!-- Data -->
  </soapenv:Body>
</soapenv:Envelope>
```

Put SMS in a queue

```
<pos:QueueAdd>
  <Queue>GsmOut</Queue>
  <Gsm>
    <Cmd>SMS</Cmd>
    <Nmr>00420800123456</Nmr>
    <Text>Poseidon: halo halo</Text>
  </Gsm>
</pos:QueueAdd>
```

Answer

```
<pos:QueueAdd>
  <Rslt>0</Rslt>
  <ID>120</ID>
</pos:QueueAdd>
```

Put a ring in a queue

```
<pos:QueueAdd>
  <Queue>GsmOut</Queue>
  <Gsm>
    <Cmd>Call</Cmd>
    <Nmr>00420800123456</Nmr>
  </Gsm>
</pos:QueueAdd>
```

Answer

```
<pos:QueueAdd>
  <Rslt>0</Rslt>
  <ID>121</ID>
</pos:QueueAdd>
```

Get from a queue (common request)

```
<pos:QueuePick>
  <Queue>GsmIn</Queue>
  <ID>121</ID>
</pos:QueuePick>
```

Answer (for qGsmIn)

```
<pos:QueuePick>
  <Rslt>0</Rslt>
  <Gsm>
    <Cmd>SMS</Cmd>
    <ID>121</ID>
    <Nmr>00420800123456</Nmr>
    <Text>Poseidon: halo halo</Text>
  </Gsm>
</pos:QueuePick>
```

Get queue status

```
<pos:QueueStatus>
  <Queue>GsmIn</Queue>
</pos:QueueStatus>
```

Answer

```
<pos:QueueStatus>
  <Rslt>0</Rslt>
  <Max>5</Max>
  <Cnt>2</Cnt>
  <Missed>0</Missed>
  <IdSet>
    <ID>120</ID>
    <ID>121</ID>
    <ID>122</ID>
    <ID>123</ID>
  </IdSet>
</pos:QueueStatus>
```

Get record status in queue

```
<pos:RecordStatus>
  <Queue>GsmOut</Queue>
  <ID>120</ID>
</pos:RecordStatus>
```

Answer

```
<pos:RecordStatus>
  <Rslt>0</Rslt>
  <Retry>5</Retry>
</pos:RecordStatus>
```

Delete record from queue

```
<pos:RecordDelete>  
  <Queue>Rfid</Queue>  
  <ID>120</ID>  
</pos:RecordDelete>
```

Answer

```
<pos:RecordDelete>  
  <Rslt>0</Rslt>  
</pos:RecordDelete>
```

Information about addition into queue (qGsmIn)

```
<pos:NotificationEvent>  
  <Queue>GsmIn</Queue>  
  <DeviceName>jmeno zarizeni</DeviceName>  
  <MAC>00:0A:59:00:B1:66</MAC>  
  <Gsm>  
    <Cmd>SMS</Cmd>  
    <ID>120</ID>  
    <Nmr>00420800123456</Nmr>  
    <Text>Poseidon: halo halo</Text>  
  </Gsm>  
</pos:NotificationEvent>
```

Answer (from remote server)

```
<pos:NotificationEvent>  
  <Rslt>0</Rslt>  
</pos:NotificationEvent>
```