# TravelSim Exchange Interface

XML manual

Version 5.1, release January, 19

# 1 Contents


**INTERFACE DESCRIPTION** ..... **7**

**PARAMETERS DESCRIPTION** ..... **7**

**2 Card Info** **8**

**2.1 GBALANCE** ..... **8**

**2.2 CARD_STAT** ..... **8**

**3 gccdr** **13**

**3.1 GET CDR (CALLS AND SMS)** ..... **13**

**3.2 GET CDR (CALLS AND SMS) FOR SPECIFIED APPENDIX (SERVICEID)** ..... **14**

**3.3 GET CDR FOR SPECIFIED CORPORATE GROUP** ..... **15**

**3.4 GET CDR FOR REDIRECTED CALLS** ..... **16**

3.4.1 UNCONDITIONAL REDIRECTION ..... 16

3.4.2 CALLS TO ENUM NUMBER FOR SPECIFIC MSISDN ..... 18

3.4.3 CALLS TO SPECIFIC ENUM NUMBER ..... 18

3.4.4 CALLS TO ALL EXTRA NUMBERS ..... 19

**3.5 RECHARGE** ..... **19**

3.5.1 PIN RECHARGES HISTORY VIEW EXAMPLE ..... 19

**3.6 SBALANCE** ..... **20**

3.6.1 TRANSFER AMOUNT FROM DEBIT ACCOUNT TO THE SPECIFIED CARD (AND VICE VERSA) ..... 20

3.6.2 GET TRANSACTION/ACTIVITY LOG (FOR XML RECHARGES ONLY) ..... 22

**3.7 ACCOUNT** ..... **23**

**3.8 ACCOUNT GROUP** ..... **23**

3.8.1 GET LIST OF DEALERS FROM ACCOUNT GROUP ..... 23

3.8.2 TRANSFER AMOUNT FROM ONE ACCOUNT TO OTHER ACCOUNT ..... 24

3.8.3 TRANSFER HISTORY BETWEEN DEALERS OF ACCOUNT GROUP ..... 26

**3.9 SBLOCK** ..... **27**

**3.10 SVMAIL** ..... **28**

3.10.1 VOICEMAIL ACTIVATION ..... 28

3.10.2 TO CHECK ACTIVATION STATUS ..... 28

3.10.3 EMAIL ADDRESS ADDING/REMOVING ..... 29

3.10.4 VOICEMAIL ACTIVATION AND EMAIL ADDRESS ADDING ..... 30

3.10.5 VOICEMAIL RECORDINGS DOWNLOAD LINK ..... 30

3.10.6 VOICEMAIL RESET ..... 31
**3.11 SEND SMS ..... 31**
**3.12 SEND SMS2 ..... 32**
**COMMAND=SMS2 – SEND SMS TO TRAVELSIM NUMBER FROM ANY A NUMBER ..... 32**
**3.13 REDIRECT ..... 33**
3.13.1 UNCONDITIONAL REDIRECTION SETUP ..... 33
**3.14 GETSERVICEOPTIONS ..... 35**
**3.15 DISCOUNT ..... 36**
3.15.1 HISTORY OF PACKETS ACTIVATION ..... 36
3.15.2 CURRENT ACTIVE PACKETS ..... 37
3.15.3 DISCOUNTM ADDITIONAL COMMAND ..... 38
3.15.4 POSSIBILITY TO ACTIVATE THE DISCOUNT PACKET (VOICE / SMS/GPRS) ..... 39
3.15.5 POSSIBILITY TO DEACTIVATE DISCOUNT PACKETS ON SIM CARD (VOICE/ SMS/GPRS) ..... 41
3.15.6 POSSIBILITY TO ACTIVATE THE TURBO PACKET (GPRS) ..... 42
3.15.7 THE LIST OF ACTIVE OPTION ON THE CARD (GPRS/TURBO) ..... 43
3.15.8 THE HISTORY OF ORDERS OF THE PACKAGES ..... 44
3.15.9 "GETDISCOUNT" – CHECK THE LIST OF AVAILABLE PACKAGES ..... 45
**3.16 CLI ..... 46**
3.16.1 TO CHECK STATUS ..... 46
3.16.2 CLI TYPE SET ..... 47
3.16.3 CLI ACTIVATION (ON/OFF) ..... 47
**3.17 CORPORATE GROUPS ..... 50**
3.17.1 CREATING A NEW GROUP ..... 50
3.17.2 RENAMING EXISTING GROUP ..... 51
3.17.3 DELETE EXISTING GROUP ..... 51
3.17.4 ADDING CREDIT TO CORPORATE GROUP ..... 51
3.17.5 ADDING CREDIT FROM/TO CORPORATE GROUP ACCOUNT TO/FROM SIM-CARD ..... 52
3.17.6 TRANSACTION / ACTIVITY LOG ..... 53
3.17.7 SHOW GROUPS IN ACCOUNT ..... 54
3.17.8 ADD SIM CARD TO GROUP ..... 54
3.17.9 REMOVE SIM FROM GROUP ..... 55
3.17.10 SHOW SIMS IN GROUP ..... 56
3.17.11 SHOW CORPORATE GROUP SIM CARD INFORMATION ..... 57
3.17.12 SHOW CORPORATE GROUP SIM CARDS CDRS ..... 58
3.17.13 SHOW GPRS CDR FOR CORPORATE GROUP ..... 58
3.17.14 AUTOMATIC TRANSFER HISTORY ..... 58

3.17.15 AUTOMATIC RECHARGE NOTIFICATIONS ..... 59
3.17.16 CORP. GROUP BALANCE DECREASE NOTIFICATION ..... 59
**3.18 RECHARGEREPORT ..... 60**

**4 Services 63**

**4.1 GET XML PERMISSIONS ..... 63**
COMMAND= GETPERMISSIONS ..... 63
**4.2 GPRS ..... 63**
4.2.1 SGPRS, GPRSCDR, GPRSAUTH ..... 63
COMMAND=SGPRS – SEND GPRS SETTINGS ..... 63
COMMAND=GPRSCDR – TO VIEW GPRS CDRS ..... 64
COMMAND=GPRSAUTH – ENABLE GPRS SERVICE ..... 66
REQUIRED PARAMETERS: BLOCK ..... 66
**4.3 DAILY GPRS ..... 66**
4.3.1 DAILY GPRS (VERSION 1) ..... 66
4.3.2 DAILY GPRS (VERSION 2) ..... 70
4.3.3 SPECIFIC COMMAND ..... 70
**4.4 GPRS LIMITS ..... 72**
4.4.1 SERVICE ACTIVATION ..... 72
4.4.2 LIMIT DEACTIVATION ..... 73
4.4.3 SET THE LIMIT VALUE ..... 74
4.4.4 TO CHECK STATUS ..... 74
4.4.5 HISTORY OF SERVICE ORDER ..... 75
**4.5 VOICE ..... 76**
**4.6 SMS ..... 77**
**4.7 CELLID V3 ..... 78**
4.7.1 ACTIVATION OF THE PACKAGE: COMMAND=NAV3 ..... 78
4.7.2 STATUS OF THE PACKAGE: COMMAND=NAVSTAT3 ..... 79
4.7.3 RECEIVING COORDINATES: COMMAND=GETNAV3 ..... 80
4.7.4 ORDER HISTORY: COMMAND=NAVCDR3 ..... 81
**4.8 WEBCALL ..... 82**
4.8.1 CHECK STATUS OF ALL MSISDNS IN APPENDIX ..... 83

**5 Additional features 84**

**5.1 EXTRA NUMBER FEATURE ..... 84**

5.1.1 RETRIEVE EXTRA NUMBERS CDR....84
5.1.2 PRIMARY EXTRA NUMBER ADDITION/REMOVING....84
5.1.3 TO CHECK ENUM STATUS....85
5.1.4 SECONDARY EXTRA NUMBERS ADDITION/REMOVING....86
5.1.5 SECONDARY EXTRA NUMBERS REVIEW....86
5.1.6 ALL EXTRA NUMBERS REVIEW....87
**5.2 AUTO-RECHARGE....88**
**5.3 RECHARGE FROM A HANDSET USING AMOUNT....88**
**5.4 DISTRIBUTOR NOTIFICATIONS....89**
5.4.1 COUNTRY ARRIVAL NOTIFICATION....89
5.4.2 VOICEPRICE NOTIFICATION....89
**5.5 RATES EXPORT....89**
5.5.1 EXPORT OF ACTUAL RATES....89

**6 Troubleshooting tools 99**

**6.1 BASIC MOBILE NETWORK & CORE NETWORK INFORMATION....99**
6.1.1 CHECK TYPE OF SIM CARD & STATUS OF SERVICES....99
6.1.2 CHECK ACTIVE DATA SESSION ON SIM CARD....101
6.1.3 CHECK NETWORK REGISTRATION HISTORY ON REQUESTED SIM CARD....102
6.1.4 CHECK LATEST ACTIVITY (CDRS) ON REQUESTED SIM CARD....104
6.1.5 PERFORM ACTION: RECONNECT SIM CARD TO MOBILE NETWORK....106
6.1.6 PERFORM ACTION: DEREGISTER EUROSIM & TRAVELSIM NEW SIM CARD FROM NETWORK (CANCEL LOCATION PROCEDURE)....107

# Interface description

Access to the XML interface is allowed from the external IP and this IP should be reported to the support department (maximum 5 external IP per distributor).

Query server: **xml2.travelsim.com/tsim_xml/service/xmlgate**

Protocol: **SSL**

Request method: **POST** or **GET**

# Parameters description

**NB! Please replace XXXX to your actual username/password.**

**uname** - User Name, used for authorization (possible to create multiple users on the one account and to provide different access rights (with commands precision) for each user:
**upass** - Password, used for authorization.
**command** - Type of operation.
**onum** – Original number of the card (SMS number). Used for SMS sending/receiving.
**inum** – Incoming/Outgoing number of the card (Mobile number). Used for calls placing/receiving.
**started –** Request from date (format:YYYY-MM-DD).
**finished** – Request to date (format:YYYY-MM-DD).
**pin** - Recharge code (16 digits).
**orderid** – Order identification number to prevent duplicate transactions (should be incremented by 1 each time, use 1 for first transaction).
**amount** – Amount in format X.XX (some value, dot as separator and two decimal digits).
**currency –** Transaction currency (main currency of Debit account, used for confirmation only).
**plain=1 -** if not present then **all** values are Base64 encoded
**calldate** – date and time of call or sms sending (format:YYYY-MM-DD HH:MM:SS).
**cdir** – call identification (O- outbound call, I - inbound call, H - Home Callback)
**divnum** – unconditional redirection number, Enum

## XML Commands (all answers/outputs are XML formatted)

**Required parameters for all commands: uname, upass, command.**

**Commands and parameters are case sensitive.**

**NB! Please replace XXXX to your actual username/password.**

# 2 Card Info

## 2.1 gbalance

Get Balance and other info about card(s), answer is XML formatted.

Optional parameters: **inum** or **onum** (for requesting info about single card)

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gbalance

or

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gbalance&onum=37254515257

**Printout example:**

```
<records>
<card>
<tsimid>21545763</tsimid>
<aserviceid>9000</aserviceid>
<inum>20189889627</inum>
<onum>37254515257</onum>
<prepayed>true</prepayed>
<blocked>false</blocked>
<balance>10026.45</balance> - output
<curr>USD</curr>
</card>
</records>
```

## 2.2 card_stat

Basic info about card and used services, answer is XML formatted.

Required parameter: **MSISDN** or **ICCID** or both

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=card_stat&msisdn=37254515257&iccid=893721234567890123

In case of success following data must be given in the response in XML:

- card ID
- service_id
- ICCID
- MSISDN
- iNum
- Primary Enum
- Secondary(-ies) ENum(-s)
- card release date
- first usage date
- last usage date
- card type (postpaid/prepaid)
- activity status (blocked/unlocked)
- balance
- overdraft
- balance currency
- next services status:
    - Voice Discount
    - SMS Discount
    - GPRS Discount
      --Turbo options

**Printout example:**

```
<card_stat>
<card>
<tsimid>21545763</tsimid>
<aserviceid>9000</aserviceid>
<iccid>123456789012345</iccid>
<onum>37254515257</onum>
<inum>20189889627</inum>
<enum>4359865874256</enum>
<SEnum_list>19038576395,852756830548<S/Enum_list>
<create_date>2012-12-23 10:16:34</create_date>
<FUsage_date>2012-12-23 10:16:34</ FUsage_date >
<LUsage_date>2012-12-23 10:16:34</ LUsage_date >
<prepaid>true</prepaid>
<blocked>false</blocked>
<balance>100.45</balance>
<overdraft>0</ overdraft >
<curr>USD</curr>
</card>

<discount>
```

```
<turbo>
<tsimid>21545763</tsimid> // card ID
<activation_date>2014-05-10 17:47:07</activation_date> // Package activation date
<expire_date>2014-05-11 17:46:54</expire_date> // Package expiry date
<onum>37253100193</onum> // MSISDN (onum)
<name>turbo option name 1</name> // Package name
<init_volume>102400</init_volume> // Package traffic amount
<left_volume>102400</left_volume> // Remaining traffic (active session not counted)
<cost>1.00</cost> // Activation cost
<currency>USD</currency> // Cost currency
</turbo>

<turbo>
<tsimid>21545763</tsimid>
<activation_date>2014-05-11 15:41:07</activation_date>
<expire_date>2014-05-11 17:46:54</expire_date>
<onum>37253100193</onum>
<name>turbo option name 2</name>
<init_volume>204800</init_volume>
<left_volume>204800</left_volume>
<cost>2.00</cost>
<currency>USD</currency>
</turbo>

<gprs>
<tsimid>21545763</tsimid> // card ID
<status>on</status> // GPRS status (on/off)
<activation_date>2014-05-10 17:46:54</activation_date> // Package activation date
<expire_date>2014-05-11 17:46:54</expire_date> // Package expiry date
<onum>37253100193</onum> // MSISDN (onum)
<cooldown>100</cooldown> // Package cooldown value
<next_cooldown>25</next_cooldown> // Time remaining untill next cooldown in active package (min)
<name>test</name> // Package name
<cost>5.00</cost> // Activation cost
<ocost>5.00</ocost> // Order cost
<init_volume>10000</init_volume> // Package traffic amount
<left_volume>500</left_volume> // Remaining traffic (active session not counted)
<currency>USD</currency> // Cost currency
<multistatus>active/<multistatus> // Multipackages status : active/block
</gprs>
```

```
<voice>
<tsimid>21545763</tsimid> // card ID
<status>on</status> // Voice status (on/off)
<activation_date>2014-05-10 17:46:54</activation_date> // Package activation date
<expire_date>2015-05-10 17:46:54</expire_date> // Package expiry date
<onum>37253100193</onum> // MSISDN (onum)
<name>Voice packet 1</name> // Package name
<priority>1</priority> // Package priority
<cost>3.00</cost> // Activation cost
<currency>USD</currency> // Cost currency
<init_volume>50</init_volume> // Package minutes amount
<left_volume>26</left_volume> // Remaining minutes amount
</voice>

<sms>
<tsimid>21545763</tsimid> // card ID
<status>on</status> // SMS status (on/off)
<activation_date>2014-05-10 17:46:54</activation_date> // Package activation date
<expire_date>2015-05-10 17:46:54</expire_date> // Package expiry date
<onum>37253100193</onum> // MSISDN (onum)
<name>SMS packet 5</name> // Package name
<priority>1</priority> // Package priority
<cost>0.12</cost> // Activation cost
<currency>USD</currency> // Cost currency
</sms>
</discount>
<error_code>0<error_code>
<error_text>Ok</error_text>
</card_stat>
```

**Possible errors codes and texts:**

0- **OK** // Card was found, MSISDN & ICCID in the request correspond to the values in database

1- **MSISDN not found** // Msisdn not found in DB (occurs if ICCID was not provided in request)

2- **ICCID not found** // ICCID not found in DB (occurs if MSISDN was not provided in request)

3- **ICCID is not match to MSISDN** // ICCID used in request is not the same as ICCID in DB (if MSISDN from request was found in DB )

4- **Please provide MSISDN OR ICCID** // MSISDN and ICCID were not provided in request

-1- **System error //** Other errors

# 3 gccdr

The command that returns CDR-s of calls (includes Home Callback calls, redirected calls), sms, gprs.

## 3.1 Get CDR (calls and Sms)

Required parameters: **started**, **finished**

Optional parameters: **inum** or **onum** (for requesting info about single card)

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gccdr&started=2013-06-28&finished=2013-07-02

or

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gccdr&started=2013-06-29&finished=2013-07-02&plain=1&onum=37254515257

**Printout example:**

**For calls:**

```
<call>
<tsimid>21545763</tsimid>
<calldate>2013-07-01 22:24:34</calldate>
<onum>37254515257</onum>
<anum>79604572024</anum>
<bnum>37254515257</bnum>
<rnum>3725002075</rnum>
<cdir>I</cdir>
<duration>22</duration>
<billsec>22</billsec>
<ccost>0.00</ccost>
<curr>USD</curr>
<mcost>0.00</mcost>
<conn_cost>0.00</conn_cost>
<free_sec>0</free_sec>
<bleg>false</bleg>
```

```
<adest>Russia Mobile</adest>
<bdest>Extra%20Number</bdest>
<rdest/>
<uniqueid>411200877.00dd51935c86becd</uniqueid>
<imsi/>
</call>
```

**For SMS:**

```
<sms>
<tsimid>21545763</tsimid>
<calldate>2013-07-01 20:39:49</calldate>
<onum>37254515257</onum>
<anum>37254515257</anum>
<bnum>37257518510</bnum>
<rnum/>
<smst>ussd</smst>
<ccost>0.10</ccost>
<curr>USD</curr>
<imsi/>
<part>1/1</part>
</sms>
```

## 3.2 Get CDR (calls and Sms) for specified appendix (serviceid)

Required parameters: **started**, **finished, aserviceid**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gccdr&started=2013-06-28&finished=2013-07-02&serviceid=9001

**Printout example:**

```
<call>
<tsimid>19210049</tsimid>
<calldate>2013-07-01 18:10:56</calldate>
<onum>37257518510</onum>
<anum>37257518510</anum>
<bnum>37254515257</bnum>
<rnum>3725007409</rnum>
```

```
<cdir>O</cdir>
<duration>11</duration>
<billsec>4</billsec>
<ccost>0.25</ccost>
<curr>USD</curr>
<mcost>0.25</mcost>
<conn_cost>0.00</conn_cost>
<free_sec>0</free_sec>
<bleg>true</bleg>
<adest>Estonia Mobile (EMT)</adest>
<bdest>Estonia Mobile</bdest>
<rdest>Estonia</rdest>
<uniqueid>411048174.00e751ba46375fac</uniqueid>
<aserviceid>9001</aserviceid>
<imsi>US</imsi>
</call>
```

## 3.3 Get CDR for specified corporate group

Required parameters: **started**, **finished, aserviceid, corp_group**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gccdr&started=2010-03-01&finished=2010-03-03&aserviceid=1724&corp_group=85

**Printout example:**

```
<call>
<tsimid>15704590</tsimid>
<calldate>2010-06-11 10:58:24</calldate>
<onum>37259500042</onum>
<anum>37259500042</anum>
<bnum>3726062529</bnum>
<rnum>3725006135</rnum>
<cdir>O</cdir>
<duration>5</duration>
<billsec>2</billsec>
<ccost>1.05</ccost>
<curr>EUR</curr>
<mcost>1.05</mcost>
```

<conn_cost>0.00</conn_cost>
<free_sec>0</free_sec>
<bleg>true</bleg>
<adest/>
<bdest>Estonia</bdest>
<rdest>Estonia</rdest>
<uniqueid>4705305.00e74c082b94bae1</uniqueid>
<aserviceid>1724</aserviceid>
<corp_group>85</corp_group>
</call>

## 3.4 Get CDR for redirected calls

### 3.4.1 Unconditional redirection

Required parameters: **started, finished, type=redirect**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gccdr&started=2013-06-25&finished=2013-07-03&type=redirect

**Example: Calls to Tsim ->**

incoming call from +380930127578 to +37259885968. Redirect destination +380441234567.

**Printout example:**

<call>
<tsimid>21154009</tsimid>
<calldate>2013-07-02 20:52:47</calldate>
<onum>37259885968</onum>
<anum>**380930127578**</anum>
<bnum>**37259885968**</bnum>
<rnum/>
<cdir>**I**</cdir>
<duration>0</duration>
<billsec>0</billsec>
<ccost>0.00</ccost>
<curr>USD</curr>
<mcost>0.00</mcost>
<conn_cost>0.00</conn_cost>

<free_sec>0</free_sec>
<bleg>false</bleg>
<adest>Ukraine Mobile Astelit/DCC</adest>
<bdest/>
<rdest/>
<uniqueid>411728672.00de515dfdcdea8e</uniqueid>
<imsi/>
<divnum>**380441234567**</divnum> - unconditional redirection number
<divmincost>0.00</divmincost>
</call>

### Example: Calls to Extra number ->

incoming call to Enum number 380500242736 from 380669633099 is redirected to 380675418061 (unconditional redirection number). 37257547592 has unconditional redirection number: 380675418061 and Enum number: 380500242736.

### Printout example:

<call>
<tsimid>19113281</tsimid>
<calldate>2013-06-28 08:21:17</calldate>
<onum>**37257547592**</onum>
<anum>380669633099</anum>
<bnum>**380500242736**</bnum> - Enum number
<rnum/>
<cdir>I</cdir>
<duration>0</duration>
<billsec>0</billsec>
<ccost>0.00</ccost>
<curr>USD</curr>
<mcost>0.20</mcost>
<conn_cost>0.00</conn_cost>
<free_sec>0</free_sec>
<bleg>false</bleg>
<adest>Ukraine Mobile UMC</adest>
<bdest>Extra%20Number</bdest>
<rdest/>
<uniqueid>408964685.00de515dfdba3e7f</uniqueid>
<imsi/>
<divnum>**380675418061**</divnum>

<divmincost>0.20</divmincost>
</call>

### 3.4.2 Calls to Enum number for specific MSISDN

Required parameters: **started, finished, onum, type=extra**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gccdr&started=2013-06-30&finished=2013-07-03&type=extra&onum=37257774496

**Printout example:**

<call>
<tsimid>19249531</tsimid>
<calldate>2013-07-01 00:09:09</calldate>
<onum>**37257774496**</onum>
<anum>**380674305161**</anum>
<bnum>**380675201496**</bnum> - extra number
<rnum>34656031793</rnum>
<cdir>**I**</cdir>
<duration>139</duration>
<billsec>139</billsec>
<ccost>0.60</ccost>
<curr>USD</curr>
<mcost>0.20</mcost>
<conn_cost>0.00</conn_cost>
<free_sec>0</free_sec>
<bleg>false</bleg>
<adest>Ukraine Mobile Kyivstar</adest>
<bdest>Extra%20Number</bdest>
<rdest>Spain</rdest>
<uniqueid>410617747.00de515dfdc579e0</uniqueid>
<imsi/>
</call>

### 3.4.3 Calls to specific Enum number

Required parameters: **started**, **finished, extra** (Enum number), **type=extra**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gccdr&started=2013-06-30&finished=2013-07-02&extra=380675201496&type=extra

### 3.4.4 Calls to all Extra numbers

Required parameters: **started, finished, type=extra**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gccdr&started=2013-06-30&finished=2013-07-02&type=extra

If the request was sent with the type=extra parameter, there will be shown calls which were made to extra number (with and without redirect)

## 3.5 recharge

It is possible to Recharge TravelSIM card using recharge code (PIN).

Required parameters: (**inum** or **onum)** and **pin**

**Recharge** example:

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=recharge&plain=1&onum=37254515257&pin=8070121181226621

**Possible error (if PIN not valid):**

```
<recharge>
<type>ERROR</type>
<text>Please provide valid PIN to recharge</text>
</recharge>
```

### 3.5.1 PIN recharges history view example

Required parameters: **started, finished**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=recharge&started=2012-04-26&finished=2012-04-29

**Printout example:**

```
<records>
```

```
<recharge>
<tsimid>20709230</tsimid>
<used>2012-04-28 07:36:35</used> - date of use
<inum>40900187300</inum>
<pin>3668828254773228</pin> - PIN code
<pintype>standart</pintype>
<amount>5.00</amount>
<currency>USD</currency>
</recharge><recharge>

<tsimid>20709230</tsimid>
<used>2012-04-28 07:38:05</used>
<inum>40900187300</inum>
<pin>1248593877919115</pin> - PIN code
<pintype>standart</pintype>
<amount>5.00</amount> - PIN amount
<currency>USD</currency>
</recharge> </records>
```

# 3.6 sbalance

### 3.6.1 Transfer amount from Debit account to the specified card (and vice versa)

Required parameters: **amount, currency, orderid, (inum or onum)**

Output contains ORDERID parameter – number of completed sbalance transactions.

If you wish to transfer money from debit account to card, simply write amount of transaction.

If you wish to transfer money from card to debit account, write amount of transaction with "-" minus sign.

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=sbalance&onum=37254515257&amount=-10.00&curr=USD&orderid=32

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=sbalance&onum=37254515257&amount=15.00&curr=USD&orderid=33

**Printout example:**

```
<sbalance>
<aserviceid>9000</aserviceid>
<inum>20189889627</inum>
<onum>37254515257</onum>
<amount>-10.00 USD</amount> - amount of transaction
<orderid>32</orderid>
<card>
<balance>10022.21 USD</balance> - current card balance
<amount>-10.00 USD</amount> - 10$ transferred from card balance to debit account
</card>
<client>
<balance>499.00 USD</balance> - current debit account state
<amount>+10.00 USD</amount> - 10$ will be added to debit account
</client>
<av_amount>Available amount</av_amount> - Available amount for possible transaction
</sbalance>
```

**Possible errors:**

```
<sbalance>
<type>ERROR</type>
<text>Incorrect OrderID value, must be: 32</text>
</sbalance>
```

```
<sbalance>
<type>ERROR</type>
<text>Debit balance limit exceeded</text>
<av_amount>Available amount</av_amount>
<expiry_time><expiry_time> - How long to wait till limit reset
</sbalance>
```

```
<sbalance>
  <type>ERROR</type>
  <text>This card has remote balance enabled</text>
</sbalance>
```

### 3.6.2 Get Transaction/Activity Log (for XML recharges only)

Required parameters: **started**, **finished, onum**

(NB! log started from 01-jan-2006)

**Output contains fields:**

**added** – date and time of transaction

**address** – IP address of transaction

**uname** – username

**message** – body of transaction, where is *onum [inum]*

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=sbalance&started=2013-07-01&finished=2013-07-04&plain=1&onum=37254515257

**NB!** Please note, if you do not specify the onum value you will receive CDR for all your cards.

*Each transaction consists of 2 records. Below is example of transaction from card to debit account*

**Printout example:**

```
<record>
<added>2013-07-03 12:53:12</added>
<type>card</type>
<orderid>35</orderid>
<uname>XXXX</uname>
<address>77.240.240.65</address>
<command>sbalance</command>
<inum>21677336552</inum>
<onum>37254515257</onum>
<balance>10013.37 USD</balance>
<amount>-10.00 USD</amount> - 10 USD transferred from card balance (10013.37 USD) to debit account
</record>
<record>
```

<added>2013-07-03 12:53:12</added>
<type>client</type>
<orderid>35</orderid>
<uname>XXXX</uname>
<address>77.240.240.65</address>
<command>sbalance</command>
<balance>504.00 USD</balance>
<amount>+10.00 USD</amount> - 10 USD will be added to debit account balance (504.00 USD)
</record>

## 3.7 account

Get account state, last order ID

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=account&plain=1

**Printout example:**

<account>
<name>- Customer account name-</name>
<active>2012-02-11</active>
<expire>2099-12-31</expire>
<balance>514.00</balance>
<currency>USD</currency>
<orderid>35</orderid> - ORDERID parameter – number of completed sbalance transactions
</account>

## 3.8 Account group

It is possible to unite dealers (in case of Dealer account >1) by making an account group. Each dealer can be assigned to only one account group.

### 3.8.1 Get list of dealers from account group

It is possible to get all dealers list from account group with basic information.

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=get_dealers

**Printout example:**

```
<get_dealers>
 <records>
  <dealer>
   <name>B диллер 3</name>
   <id>50</id>
   <balance>903069.99700</balance>
   <currency>RUR</currency>
   <dealer_service_id_list>
    <dealer_service_id>
     <serviceid>101</serviceid>
     <name>pcrf test 2</name>
     <currency>EUR</currency>
    </dealer_service_id>
    ...
   </dealer_service_id_list>
  </dealer>
  ...
 </records>
</get_dealers>
```

### 3.8.2 Transfer amount from one account to other account

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXX&upass=XXX&plain=1&command=ag_transfer&from=Dealer_ID1&to=Dealer_ID2&amount=25.00&orderid=XX

**command=ag_transfer**

Required parameters: **from=Dealer_ID1** ,**to=Dealer_ID2**, **amount**=XX.XX, **orderid=XX** – amount of transaction transferred from Dealer_ID1 (must have the same currency that account group has)

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXX&upass=XXX&plain=1&command=ag_transfer&from=1411&to=166&amount=1.00&orderid=520

Printout example:

```
<ag_transfer>
<from>1411</from> - Dealer_ID1
<to>166</to> - Dealer_ID2
<amount>1.00</amount>
<orderid>520</orderid>
<result>Ok</result>
</ag_transfer>
```

## Possible errors:

- **incorrect value of orderid**

```
<ag_transfer>
<type>ERROR</type>
<text>Unable to retry completed order: XX, must be: YY</text>
</ag_transfer>
```

- **not enough money to transfer amount from Dealer_ID1**

```
<ag_transfer>
<type>ERROR</type>
<text>
Not enough money (1000.0 EUR), 610.75 EUR is available
</text>
</ag_transfer>
```

- **the dealers are not in the same account group**

```
<ag_transfer>
<type>ERROR</type>
<text>The dealers «Dealer_ID1» and «Dealer_ID2» are not in the same group</text>
</ag_transfer>
```

- **incorrect value of Dealer_ID**

```
<ag_transfer>
<type>ERROR</type>
<text>Incorrect value of from (d1)</text>
</ag_transfer>

<ag_transfer>
<type>ERROR</type>
<text>Incorrect value of to (d2)</text>
```

```
</ag_transfer>
```

- **no permission to request this command**

```
<ag_transfer>
<type>ERROR</type>
<text>Permission Denied</text>
</ag_transfer>
```

### 3.8.3 Transfer history between dealers of account group

**command=ag_transfer**

Required parameters: **started, finished, ag_id** – id of account group

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXX&upass=XXX&plain=1&command=ag_transfer&ag_id=6&started=2013-08-25&finished=2013-08-27

**Printout example:**

```
<records>
<record>
<from>166</from> - Dealer_ID1
<to>1411</to> - Dealer_ID2
<amount>2.00</amount>
<date>2013-08-26 15:13:28</date>
<orderid>524</orderid>
</record>

<record>
<from>1411</from>
<to>166</to>
<amount>2.00</amount>
<date>2013-08-26 15:11:59</date>
<orderid>523</orderid>
</record>

<record>
<from>166</from>
<to>1411</to>
<amount>2.00</amount>
<date>2013-08-26 14:55:28</date>
<orderid>522</orderid>
```

```
</record>
</records>
```

**Possible errors:**

- Invalid value of ag_id

## 3.9 sblock

To block/unblock card or to check administrative status of card.

Required parameter: **inum** or **onum**, **block=t** (to block card)**, block=f** (to unblock card) or **block=c** (to check status)

**<blocked>…</blocked>** - Output contains status of card in parameter "BLOCKED"

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=sblock&plain=1&onum=37254515257&block=c

**Printout example:**

```
<card>
<tsimid>21545763</tsimid>
<inum>21677336552</inum>
<onum>37254515257</onum>
<blocked>false</blocked> - status of card is "unblocked"
</card>
```

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=sblock&plain=1&onum=37254515257&block=t

**Printout example:**

```
<card>
<tsimid>21545763</tsimid>
<inum>21677336552</inum>
<onum>37254515257</onum>
<blocked>true</blocked> - card is blocked
</card>
```

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=sblock&plain=1&onum=37254515257&block=f

**Printout example:**

```
<card>
<tsimid>21545763</tsimid>
<inum>21677336552</inum>
<onum>37254515257</onum>
<blocked>false</blocked>- card is unblocked
</card>
```

## 3.10 svmail

### 3.10.1 Voicemail activation

Required parameter: **inum** or **onum**

Optional parameter: **activate**

activate=yes – to activate voicemail

activate=no – to deactivate voicemail

If parameter "activate" is missed – to check activation status

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=svmail&onum=37253100193&activate=yes

**Printout example:**

```
<voicemail>
<tsimid>48730</tsimid>
<inum>37253100193</inum>
<onum>37253309903</onum>
<activated>yes</activated> - indicates that voicemail is activated
</voicemail>
```

### 3.10.2 To check activation status

Required parameter: **inum** or **onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=svmail&onum=37254515257

**Printout example:**

```
<voicemail>
<tsimid>21545763</tsimid>
<inum>20189889627</inum>
<onum>37254515257</onum>
<activated>yes</activated> - indicates that voicemail is activated
<email/>
</voicemail>
```

### 3.10.3 Email address adding/removing

for voice message forwarding from voicemail to email.

**Adding email**

Required parameter: **inum** or **onum, email**

email=mail@mail.com - to set mail address

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=svmail&onum=37253100193&email=mail@mail.com

**Printout example:**

```
<voicemail>
<tsimid>48730</tsimid>
<inum>37253100193</inum>
<onum>37253100193</onum>
<activated>yes</activated>
<email>mail@mail.com</email>
</voicemail>
```

**Removing email**

Required parameter: **inum** or **onum, email**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=svmail&onum=37253100193&email=

**Printout example:**

```
<voicemail>
<tsimid>48730</tsimid>
<inum>37253100193</inum>
<onum>37253100193</onum>
<activated>yes</activated>
<email> </email> - is empty
</voicemail>
```

### 3.10.4 Voicemail activation and Email address adding

Required parameter: **inum** or **onum, email, activate=yes**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=svmail&onum=37254515257&activate=yes&email=mail@mail.com

**Printout example:**

```
<voicemail>
<tsimid>21545763</tsimid>
<inum>20189889627</inum>
<onum>37254515257</onum>
<activated>yes</activated>
<email>mail@mail.com</email>
</voicemail>
```

### 3.10.5 Voicemail recordings download link

Required parameter: **inum** or **onum, mode=gmessages, started, finished**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=svmail&onum=37253204366&mode=gmessages&started=2010-02-01&finished=2010-03-05

**Printout example:**

```
<voicemail>
<message>
<tsimid>15729072</tsimid>
<messagedate>2010-03-04 14:14:36</messagedate>
```

<anum>3726166575</anum>
<onum>37253204366</onum>
<link>
https://xml2.travelsim.com/tsim_xml/service/download/rp/xg370986493036134/1500009564 </link>
</message>
</voicemail>

### 3.10.6 Voicemail reset

Required parameter: **inum** or **onum, command=vmreset**

1) All recordings will be deleted
2) IVR (greeting, unavailable message) to default
3) Password will be removed
4) Added email will be removed

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=vmreset&onum=37253157100

**Printout example:**

<vmreset>
<result>**Ok**</result> </vmreset>

## 3.11 Send SMS

**Command=sms –** Send SMS to TravelSIM number

**NB! The command must be protected on client side against SPAM**
The command can be used for "SMS via WEB" service for end-users only.

Spam, advertisement, broadcast, notifications and any other automatic messaging are **not allowed**. Improper usage can cause automatic suspending of this command for distributor.
To use this command without limitations for any type of automatic messaging please contact to sales@travelsim.com to obtain pricing information.

**Requered parameters:**

**Bnum** – mobile or SMS number, system automaticly convertnumber to SMS-number if it needed

**Anum** – a-number, who sends SMS
**Msg** – text of message, text should be URL-encoded (max length 160 digits)

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=sms&anum=37253100193&bnum=37253100193&msg=test

## 3.12 Send SMS2

### Command=sms2 – Send SMS to TravelSIM number from any A number

### Required parameters:

**Bnum** – mobile or SMS number, system automatically convert number to SMS-number if it needed.
**Anum** – any A-number (not TravelSim), who sends SMS. B-number will receive SMS from 37259500001.
**Msg** – text of message, text should be URL-encoded (max length 160 digits)

xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXXX&upass=XXXXX&plain=1&command=sms2&anum=12345698&bnum=37254200155&msg=example

**Printout example (success):**

```
<sms2>

<text>"SMS to the number 37254200155 has been sent."

</text>

</sms2>
```

### Possible errors:

```
<sms2>
 <type>ERROR</type>
 <text>Requested card not found</text>
 </sms2>
```

```
<sms2>
 <type>ERROR</type>
 <text>Permission Denied</text>
 </sms2>
```

```
<sms2>
<type>ERROR</type>
<text>Invalid login and/or password from XX.XXX.XXX.XX</text>
</sms2>
```

## 3.13 redirect

### 3.13.1 Unconditional redirection setup

Required parameters: **onum, command=redirect**

**To check status:**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=redirect&onum=37257547592

**Printout example:**

- **redirect is set**

```
<card>
<tsimid>19113281</tsimid>
<inum/>
<onum>37257547592</onum>
<enum/>
<redirect>380675418061</redirect>
<added>2013-03-29</added>
</card>
```

- **redirect is not set**

```
<redirect>
<type>ERROR</type>
<text>Unconditional redirect number not activated</text>
</redirect>
```

**To set unconditional redirection:**

Required parameters: **onum, redirect** (redirection number)

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=redirect&onum=37254515257&redirect=55975692965

**Printout example (success):**

```
<card>
<tsimid>21545763</tsimid>
<inum>21677336552</inum>
```

```
<onum>37254515257</onum>
<enum/>
<redirect>55975692965</redirect>
<added>2013-07-03</added>
</card>
```

### Possible errors:

```
<redirect>
<type>ERROR</type>
<text>Unconditional redirect number already present</text>
</redirect>
```

### Redirect remove command example:

Required parameters: **onum, redirect**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=redirect&onum=3725100193&redirect=

### Printout example (redirect remove success):

```
<card>
<tsimid>21545763</tsimid>
<inum>21677336552</inum>
<onum>37254515257</onum>
<enum/>
<redirect/> - is empty
<added/>
</card>
```

### Possible errors

- **redirect remove false:**

```
<redirect>
<type>ERROR</type>
```

<text>**Unconditional redirect number not present**</text>
</redirect>

## 3.14 getserviceoptions

By using this command distributor can view all discount packets for the MSISDN and aserviceid. It is possible to request discount command using only aserviceid.

Required parameters: **MSISDN** or **aserviceid**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=getserviceoptions&onum=37253108631

or

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=getserviceoptions&aserviceid=5003

If command contain &detailed=true, output will be with package type:

<package type> Regular </package type> or <package type> Multi </package type>

**Printout example:**

```
<getserviceoptions>

<voice>
<option_info> 1 day pass </option_info>
<package_number> 1 </package_number>
<activation fee> 3.2500 EUR <activation fee>
<amount_minutes> 1440 <amount_minutes>
<usage_period>24 ч </usage_period>
</voice>

<gprs>
<package_name> 1 day pass </package_name>
<package code> 1 </package code>
<validity period in days> 2  <validity period in days>
<data package (MB)> 51200 Kb <data package (MB)>
<activation fee> 3.2500 EUR <activation fee>
<currency> EUR <currency>>
<activation type>  <activation type> // Начало действия пакета:       с момента заказа (активации) пакета  /   с момента начала использования
</gprs>

<sms>
<option info> SMS_100_package_EUR  <option info>
<package number> 1 <package number>
<activation fee> 4.5000 EUR  <activation fee>
<usage Period> 30 <usage Period>
<sms amount>100<sms amount>
```

```
</sms>

<lbs>
<package name> Package_1 <package name>
<service version> 3 <service version>
<package code> 1 <package code>
<validity period in days> 30 <validity period in days> // есть разница в версии v2 /v3, для версии v3 это timeframe
<amount of requests> 100 <amount of requests>
<usage period> 30 <usage period>  // на сколько знаю, есть разница в версии v2 /v3, для версии v3 это макс 12
</lbs>

</getserviceoptions>
```

## 3.15 discount

By using this command distributor can view/modify discount packets for the MSISDN:

- history of packets activation (voice / SMS/GPRS )

- current active packets

- possibility to activate/deactivate the discount packet (voice / SMS/ Daily GPRS)

Command works with and without the **onum** parameter.

It is possible to request discount command using only **aserviceid** and **corp_group** parameters.

### 3.15.1 History of packets activation

Required parameters: **started, finished, onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&started=2011-05-10&finished=2011-06-10&onum=37253100193

**Printout example:**

```
<discount>
<voice>
<tsimid>52647</tsimid>
<activation_date>2011-05-10 17:46:54</ activation_date>
<expire_date>2012-05-10 17:46:54</expire_date>
<onum>37253100193</onum>
<type>Voice packet 1</type> -Voice packet %activation_code"
<priority>1</priority>
<cost>3.00</cost>
```

```
<currency>USD</currency>
</voice>

<voice>
<tsimid>52647</tsimid>
<activation_date>2011-05-10 17:46:54</ activation_date>
<expire_date>2012-05-10 17:46:54</expire_date>
<onum>37253100193</onum>

<type>Voice packet 5</type> -- Voice packet %activation_code"
<priority>2</priority>
<cost>3.00</cost>
<currency>USD</currency>
</voice>

<sms>
<tsimid>52647</tsimid>
<activation_date>2011-05-10 17:46:54</ activation_date>
<expire_date>2012-05-10 17:46:54</expire_date>
<onum>37253100193</onum>
<type>SMS packet 1</type> --"SMS packet %activation_code"
<priority>1</priority>
<cost>3.00</cost>
<currency>USD</currency>
</sms>
</discount>
<discount>
<gprs>
<tsimid>22124985</tsimid>
<activation_date>2011-05-10 17:46:54</activation_date>
<expire_date>2012-05-10 17:46:54</expire_date>
<onum>37253100193</onum>
<type>Daily GPRS package</type>
<cost>1.90</cost>
<currency>USD</currency>
<cooldown>10485760</cooldown>
<amount>10485760</amount>
</gprs>
</discount>
```

### 3.15.2 Current active packets

In this case, started and finished parameters are not needed.

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&onum=37254515257

**If command contain &detailed=true output will be with pacage ID Tag <package_code>**

**Printout example:**

```
<discount>
<gprs>
<packet>
<tsimid>21545763</tsimid>
<activation_date>2016-07-05 12:40:16</activation_date>
<expire_date>2017-07-05 12:40:16</expire_date>
<onum>37254515257</onum>
<type>Messaging</type>
<cost>12.00</cost>
<currency>USD</currency>
<cooldown>8640</cooldown>
<amount>1024000000</amount>
<dataLeft>1024000000</dataLeft>
<nextCooldown>8640</nextCooldown>
<multistatus>blocked/<multistatus>
</packet>
<packet>
<tsimid>21545763</tsimid>
<activation_date>2016-07-15 10:32:46</activation_date>
<expire_date>2016-07-16 10:32:46</expire_date>
<onum>37254515257</onum>
<type>Daily package 10 MB</type>
<cost>5.00</cost>
<currency>USD</currency>
<cooldown>10</cooldown>
<amount>10240000</amount>
<dataLeft>10240000</dataLeft>
<nextCooldown>6</nextCooldown>
<multistatus>active/<multistatus>

</packet>
</gprs>
<voice>
<tsimid>21545763</tsimid>
<activation_date>2016-07-07 16:47:27</activation_date>
<expire_date>2016-08-02 16:47:27</expire_date>
<onum>37254515257</onum>
<type>Voice packet 1</type>
<priority>5</priority>
<cost>0.99</cost>
<currency>USD</currency>
</voice>
/discount>
```

### 3.15.3 discountm additional command

By using this command distributor can view discount packets for the MSISDN:

- check the status, if any package is already ordered

- current ordered packets

- possibility to activate the discount packet

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discountm&onum=37254515257

**Printout example (no package on card):**

<discountm>
<gprs>
<text>No Data Package activated</text>
</gprs>
</discountm>

**Printout example (ordered, not activated, activate on next data session):**

<discountm>
<gprs>
<tsimid>19826732</tsimid>
<activation_date/>
<expire_date/>
<onum>37254962858</onum>
<type>test</type>
<cost>1.00</cost>
<currency>EUR</currency>
<ocost>1.10</ocost>
<text>Data Package test will be activated with the beginning of the next data session</text>
<cooldown>6000</cooldown>
<amount>104857600</amount>
<dataLeft>104857600</dataLeft>
<nextCooldown/>
</gprs>
</discountm>

### 3.15.4 Possibility to activate the discount packet (voice / SMS/GPRS)

Required input parameters: **onum, activate=yes/no/block, packettype=dailygprs/voice/sms/combopackage, packetid = [1..9]** – packet code

**NB!!** The option **activate=block** could be used only for **packettype=dailygprs:**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&onum=37281431860&activate=yes&packettype=dailygprs&packetid=1

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&onum=37282360017&activate=yes&packettype=combopackage&packetid=1

### Printout example:

```
<discount>
<result>Ok</result> - packet with id=1 is activated
</discount>
```

### Possible errors:

- **if requested packetid already activated:**

```
<discount>
<type>ERROR</type>
<text>Packet already activated</text>
</discount>
```

- **if packetid is not correct (is not defined on serviceid)**

```
<discount>
<type>ERROR</type>
<text>Packet not found</text>
</discount>
```

Can be also used discountm command. Required input parameters: **onum, activate=yes/no, packettype=dailygprs/voice/sms, packetid = [1..9]** – packet code

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discountm&onum=37281431860&activate=yes&packettype=dailygprs&packetid=1

### Printout example:

```
<discountm>
<result>Ok</result>
</discountm>
```

If there is already ordered and activated package on the card, then discountm command will not order the same package again.

### Printout example:

```
<discountm>
<type>ERROR</type>
<text>test Packet already activated</text>
</discountm>
```

In the same situation (ordered and activate package on the card) discount command will order package.

**Printout example:**

<discount>

<result>Ok</result>

</discount>

### 3.15.5 Possibility to deactivate discount packets on SIM card (voice/ SMS/GPRS)

Required input parameters: **onum, activate=close, packettype=dailygprs/voice/sms**

**NB!!!** You don't need to enter packetid parameter while deactivating discound packets. All packets of selected type will be deactivated on particular SIM card while using this command with option activate=close.

**NB!!!** Please note that unused data/packet price will not be refunded after using command=discount with option activate=close.

Below are examples of commands for different discount packet types deactivation.

**Deactivate voice discount packets:**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&onum=37282360017&activate=close&packettype=voice

**Deactivate sms discount packets:**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&onum=37282360017&activate=close&packettype=sms

**Deactivate Data discount packets:**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&onum=37282360017&activate=close&packettype=dailygprs

**Printout example:**

```
<discount>
<result>Ok</result> - all Data packets on this particular SIM were deactivated
</discount>
```

**Possible errors:**

- **if there is no discount packages of selected type on this particular SIM card:**

```
<discount>
<type>ERROR</type>
<text>Packet not ordered</text>
</discount>
```

### 3.15.6 Possibility to activate the turbo packet (GPRS)

**NB! The „turbo" option is a particular part of the „discount" command.**

Required input parameters: **onum, packettype=turbo, packetid = [1..9]** – packet code

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&onum=37259830600&packettype=turbo&packetid=1

**Printout example**:

```
<discount>
<result>Ok</result> - packet with id=1 is activated
</discount>
```

**Possible errors**:

```
<discount>
<type>ERROR</type>
<text>xxx</text>
</discount>
```

Variable of the „text":

- Turbo option not active
- Packet not active
- Not enough funds
- Card not found

### 3.15.7 The list of active option on the card (GPRS/Turbo)

Required input parameters: **onum.**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxxx&upass=xxxx&plain=1&command=discount&onum=37259830600

**Printout example** (two options are on the card at the moment):

```
<discount>
<gprs>
<tsimid>18490458</tsimid>
<activation_date>2013-03-05 16:41:07</activation_date>
<expire_date>2013-03-06 16:41:07</expire_date>
<onum>37259830600</onum>
<type>dp</type>
<cost>1.00</cost>
<currency>USD</currency>
<cooldown>1440</cooldown>
<amount>102400</amount> --- only "X traffic" info
<dataLeft>102400</dataLeft> --- only "X traffic" info
<nextCooldown>1438</nextCooldown>
</gprs>

<turbo_options>
<turbo>
<tsimid>18490458</tsimid>
<activation_date>2013-03-05 16:41:07</activation_date>
<expire_date>2013-03-06 16:41:07</expire_date>
<onum>37259830600</onum>
<type>turbo option name 1</type>
<discount_type>dp</discount_type>
<cost>1.00</cost>
<currency>USD</currency>
<amount>102400</amount>
<dataLeft>102400</dataLeft>
</turbo>

<turbo>
<tsimid>18490458</tsimid>
<activation_date>2013-03-05 16:41:07</activation_date>
<expire_date>2013-03-06 16:41:07</expire_date>
<onum>37259830600</onum>
<type>turbo option name 2</type>
<discount_type>dp</discount_type>
<cost>2.00</cost>
<currency>USD</currency>
<amount>202400</amount>
<dataLeft>202400</dataLeft>
</turbo>
</turbo_options>
</discount>
```

### 3.15.8 The history of orders of the packages

Required input parameters: **onum, started, finished**:

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxxx&upass=xxxx&plain=1&command=discount&onum=37259830600&started=2011-05-10&finished=2013-06-10

**Printout example(**two options were on the card**)**

```
<discount>
<gprs>
<tsimid>18490458</tsimid>
<activation_date>2013-03-05 16:41:07</activation_date>
<expire_date>2013-03-06 16:41:07</expire_date>
<onum>37259830600</onum>
<type>dp</type>
<cost>1.00</cost>
<currency>USD</currency>
<cooldown>1440</cooldown>
<amount>102400</amount>
<nextCooldown>1438</nextCooldown>
</gprs>

<turbo_options>
<turbo>
<tsimid>18490458</tsimid>
<activation_date>2013-03-05 16:41:07</activation_date>
<expire_date>2013-03-06 16:41:07</expire_date>
<onum>37259830600</onum>
<type>turbo option name 1</type>
<discount_type>dp</discount_type>
<cost>1.00</cost>
<currency>USD</currency>
<amount>102400</amount>
</turbo>

<turbo>
<tsimid>18490458</tsimid>
<activation_date>2013-03-05 16:41:07</activation_date>
<expire_date>2013-03-06 16:41:07</expire_date>
<onum>37259830600</onum>
<type>turbo option name 2</type>
<discount_type>dp</discount_type>
<cost>2.00</cost>
<currency>USD</currency>
<amount>202400</amount>
</turbo>
</turbo_options>
</discount>
```

### 3.15.9 "Getdiscount" – check the list of available packages

Required input parameters: **onum.**

Optional parameters**: mccmnc, sgsnip**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXX&upass=XXX&plain=1&command=getdiscount&onum=37282360017&mccmnc=24802&sgsnip=178.23.117.100

or (for combo package )

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXX&upass=XXX&plain=1&command=getdiscount&onum=37282360017&mccmnc=24802&sgsnip=178.23.117.100&mode=detailed

**Printout example:**

```
<discount>
<packetrequired>false</packetrequired>
<datapacket>
<packetname>Messaging</packetname>
<packetcode>1</packetcode>
<volume>1024000</volume>
<duration>1</duration>
<cooldown>12</cooldown>
<price>0.00</price>
<multipacket>1/<multipacket>
</datapacket>
<datapacket>
<packetname>Data package 1 week</packetname>
<packetcode>2</packetcode>
<volume>1024000</volume>
<duration>1</duration>
<cooldown>12</cooldown>
<price>0.00</price>
<multipacket>1/< multipacket >
</datapacket>
<datapacket>
<packetname>Data Package 1 month</packetname>
<packetcode>3</packetcode>
<volume>1024000</volume>
<duration>0</duration>
<cooldown>12</cooldown>
<price>0.00</price>
<multipacket>0/< multipacket >
</datapacket>
<datapacket>
<packetname>DataUnlim2</packetname>
<packetcode>5</packetcode>
<volume>5120000</volume>
<duration>1</duration>
```

```
<cooldown>60</cooldown>
<price>0.00</price>
</datapacket>
</discount>
```

For Combo

**Printout example:**

```
<discount>
<packetrequired>false</packetrequired>
<datapacket>
<packetname>Data Unlimited Package 1</packetname>
<packetcode>1</packetcode>
<volume>1024000</volume>
<duration>1</duration>
<cooldown>12</cooldown>
<price>1.00</price>
<ocost>1.00</ocost>
</datapacket>

<combopacket>
<packetname>Combo Package 1</packetname>
<packetcode>3</packetcode>
<volume sms>30</volume sms>
<duration sms>7</duration sms>
<volume voice>30</volume voice>
<duration voice>7</duration voice>
<volume gprs>1024000</volume gprs>
<duration gprs>7</duration gprs>
<cooldown gprs>12</cooldown gprs><
price>0.00</price>  выводить сумму всех пакетов, если они определены.
<ocost>1.50</ocost>   выводить сумму всех пакетов, если они определены.
</combopacket>
</discount>
```

# 3.16 cli

### 3.16.1 To check status

Required parameters: **onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=cli&plain=1&onum=37253204366

**Printout example:**

```
<cli>
<inum>...</inum>
<onum>...</onum>
<enum>...</enum>
<activated>yes</activated>
<show>enum</show>
</cli >
```

### 3.16.2 CLI type set

Required parameters: **onum, show=[enum/onum]**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=cli&plain=1&onum=37253204366&show=enum

**Printout example:**

```
<cli>
<onum>...</onum>
<enum>...</enum>
<activated>yes</activated>
<show>enum</show>
</cli >
```

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=cli&plain=1&onum=37253204366&show=onum

**Printout example:**

```
<cli>
<onum>...</onum>
<enum>...</enum>
<activated>yes</activated>
<show>onum</show>
</cli >
```

### 3.16.3 CLI activation (on/off)

Required parameters: **onum, activate = [yes/no]**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=cli&plain=1&onum=37253204366&activate=yes

**Printout example:**

```
<cli>
<inum>...</inum>
<onum>...</onum>
<enum>...</enum>
<activated>yes</activated>
<show>onum</show>
</cli >
```

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=cli&plain=1&onum=37253204366&activate=no

**Printout example:**

```
<cli>
<inum>...</inum>
<onum>...</onum>
<enum>...</enum>
<activated>no</activated>
<show>onum</show>
</cli >
```

NB! If CLI **show=enum** – only primary extra number will be shown in the command answer.

The usage of the primary extra number as CLI could be set before/after secondary extra numbers addition. If the primary extra number is set as CLI, but it is not set for the sim card, the system will response with error.

**Possible errors:**

- **If the request for showing enum/onum was sent, but the service is not activated.**

```
<record>
<type>ERROR</type>
<CLI_status>off</CLI_status>
</record>
```

- **While activating the CLI service, when the service is already activated**

```
<record>
<type>ERROR</type>
<text>Already activated</text>
</record>
```

- **While deactivating the CLI service, when the service is already deactivated**

```
<record>
<type>ERROR</type>
<text>Already deactivated</text>
</record>
```

- **Wrong parameters or syntaxis errors.**

1. Service activation command:

```
<record>
<type>ERROR</type>
<text>Invalid format of activate value</text>
</record>
```

2. Command SHOW invalid format

```
<record>
<type>ERROR</type>
<text>Invalid format of show value</text>
</record>
```

3. Show=enum, but the primary extra number is not set.

```
<record>
<type>ERROR</type>
<text>Primary enum not defined</text>
</record>
```

**CLI algorithm:**

1) CLI =off – CLI is not shown

2) CLI= on – CLI is shown

3) CLI = enum –primary enum is shown. If primary enum was not set or it was removed, onum (MSISDN) will be shown.

4) CLI = inum – primary inum is shown. If primary inum was not set or it was removed, onum (MSISDN) will be shown.

If CLI=enum and the primary enum is removed, then the call will be implemented with the MSISDN. If the primary enum is added after, then the next calls will be implemented with Enum (primary).

## 3.17 Corporate groups

It is possible to combine a number of SIM cards into a group. Corporate grouping allows automatic recharge using group balance (separate from account balance). Please note that all grouped cards should be within the same Service_id (you can view card's service_id parameter using gbalance command).

**NB!**

**<enumlist> </enumlist> - Secondary Enums**
**<enum> </enum> - Primary Enum**

### 3.17.1 Creating a new group

**Command=corp**

Required parameters: **aserviceid, corp_group** (new number of group), **corp_remark** (name of group)

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxxx&upass=xxxx&plain=1&command=corp&aserviceid=1000&corp_group=123&corp_remark=test_group

**Printout example:**

```
<records>
<group>
<corp_group>123</corp_group>
<corp_balance>0.00</corp_balance>
<corp_remark>test_group</corp_remark>
</group>
</records>
```

### 3.17.2 Renaming existing group

To rename an existing group we will use the same XML command with a new name.

Required parameters: **aserviceid, corp_group, corp_remark** (name of group)

Printout example:

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxxx&upass=xxxx&plain=1&command=corp&aserviceid=1000&corp_group=123&corp_remark=renamed_group

**Printout example:**

```
<records>
<group>
<corp_group>123</corp_group>
<corp_balance>0.00</corp_balance>
<corp_remark>renamed_group</corp_remark>
</group>
</records>
```

### 3.17.3 Delete existing group

**Command=corp**

Required parameters: **aserviceid, corp_group and corp_remove=true**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=corp&aserviceid=5001&corp_group=2&corp_remove=true

**Printout example:**

```
<records>
<text>OK</text>
</records>
```

### 3.17.4 Adding credit to corporate group

Each group has its own balance which has to manually be recharged using account credit.

**Command=sbalance**

Required parameters: **aserviceid, groupid, amount, curr, orderid**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxxx&upass=xxxx&plain=1&command=sbalance&aserviceid=1000&groupid=1&amount=20.00&curr=EUR&orderid=320

In this example the user transfers 20.00 EUR to group 1 in service_id 1000, using ordered 320. You can view your last order_id using **account** command.

**Printout example:**

```
<sbalance>
<aserviceid>1000</aserviceid>
<groupid>1</groupid>
<amount>20.00 EUR</amount>
<orderid>320</orderid>
<corp>
<balance>20.00 EUR</balance>
<amount>+20.00 EUR </amount>
</corp>
```

```
<client>
<balance>1000.00 USD</balance>
<amount>-20.00 USD</amount>
</client>
</sbalance>
```

**NB!** Please note that if you specify negative value in **amount** field credit will be deducted from corporate balance and added to your account.

### 3.17.5 Adding credit from/to corporate group account to/from sim-card

**Command=sbalance**

Required parameters: **aserviceid, groupid, amount, curr, ordered, onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=sbalance&amount=1.00&curr=USD&orderid=xxx&onum=37253xxxxxx&groupid=xxx&aserviceid=xxx

**Printout example** (from corporate group account to sim-card):

```
<sbalance>
<aserviceid>xxx</aserviceid>
<inum>37253xxxxxx</inum>
<onum>37253xxxxxx</onum>
<amount>1.00 USD</amount> - amount of transaction
```

```
<orderid>xxx</orderid>
– <card>
<balance>95.00 USD</balance> - current card balance
<amount>+1.00 USD</amount> - 1$ will be added to card balance
</card>
– <group>
<balance>197.76 USD</balance> - current corp. group balance
<amount>-1.00 USD</amount> -1$ transferred from corp. group balance
</group>
</sbalance>
```

**Printout example** (from sim-card to corp.group account):

```
<sbalance>
<aserviceid>xxx</aserviceid>
<inum>37253xxxxxx</inum>
 <onum>37253xxxxxx</onum>
<amount>1.00 USD</amount> - amount of transaction
<orderid>xxx</orderid>
– <card>
<balance>94.00 USD</balance> - current card balance
<amount>-1.00 USD</amount> - 1$ transferred from corp. group balance
</card>
– <group>
<balance>198.76 USD</balance> - current corp. group balance
<amount>+1.00 USD</amount> - 1$ will be added to corp. group balance
</group>
</sbalance>
```

### 3.17.6 Transaction / activity log

**Command=sbalance**

Required parameters: **started, finished**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxx&upass=xxx&plain=1&command=sbalance&started=2009-12-20&finished=2010-01-01

```
<records>
– <record>
<added>2006-08-30 18:39:24</added>
<type>card</type>
<orderid>xxx</orderid>
<uname>XXX</uname>
<address>xxx.xxx.xxx.xxx</address>
<command>sbalance</command>
<inum>37253xxxxx</inum>
<onum>37253xxxxxx</onum>
```

```
<balance>95.00 USD</balance>
<amount>+1 USD</amount> - 1$ was added to card balance
</record>
– <record>
<added>2006-08-30 18:39:24</added>
<type>group</type>
<orderid>xxx</orderid>
<uname>XXX</uname>
<address>xxx.xxx.xxx.xx</address>
<command>sbalance</command>
<balance>197.76 USD</balance>
<amount>-1 USD</amount> - 1$ transferred from corp. group balance
</record>
```

### 3.17.7 Show groups in account

**Command=corp**

This command shows all group created for specific **service_id**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxxx&upass=xxxx&plain=1&command=corp&aserviceid=1184

**Printout example:**

```
<records>
<group>
<corp_group>1</corp_group>
<corp_balance>10000.00</corp_balance>
<corp_remark>test</corp_remark>
</group><group>
<corp_group>2</corp_group>
<corp_balance>7.60</corp_balance>
<corp_remark>testgroup2</corp_remark>
</group></records>
```

### 3.17.8 Add SIM card to group

Required parameters: **aserviceid, corp_minlimit, corp_transaction, corp_maxlimit, corp_group, corp_enabled=yes**

**corp_minlimit** – balance value, when reached will be automatically recharged using group credit for the value specified in **corp_transaction**

**corp_maxlimit** - the maximum monthly value upon which the SIM card will be automatically recharged.

**corp_enabled** – Boolean value (default – yes)

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=corp&onum=11114279440&corp_minlimit=2&corp_transaction=1&corp_maxlimit=3&aserviceid=2082&corp_group=10&corp_enabled=yes

**Printout example:**

```
<corp>
<card>
<tsimid>21995392</tsimid>
<onum>11114279440</onum>
<inum>11114279440</inum>
<enum/>
<enumlist/>
<cellid>disabled</cellid>
<card_balance>500.00</card_balance>
<corp_balance>38.00</corp_balance>
<corp_group>10</corp_group>
<corp_maxlimit>3.00</corp_maxlimit>
<corp_minlimit>2.00</corp_minlimit>
<aserviceid>3920</aserviceid>
<corp_enabled>yes</corp_enabled>
<corp_transaction>1.00</corp_transaction>
< corp.assignation date >29-07-2014 20:34:01< / corp.assignation date >
<corp_transfered>0.00</corp_transfered> - amount already transferred
</card>
</corp>
```

### 3.17.9 Remove SIM from group

**Command=corp**

Required parameters: **aserviceid, onum, corp_enabled=delete, corp_minlimit, corp_transaction, corp_maxlimit, corp_group,**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxxx&upass=xxxx&plain=1&command=corp&onum=37253100192&corp_minlimit=0&corp_transaction=0&corp_maxlimit=0&aserviceid=1258&corp_group=3&corp_enabled=delete

**Printout example:**

```
<corp>
<text>Deleted</text>
</corp>
```

### 3.17.10 Show SIMs in group

**Command=corp**

Required parameters: **aserviceid, corp_group**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxxx&upass=xxxx&plain=1&command=corp&aserviceid=1258&corp_group=777

**Printout example:**

```
<corp>
<card>
        <tsimid>34073</tsimid>
        <onum>37253215025</onum>
        <inum>37253215025</inum>
        </enumlist>
        <cellid>enabled</cellid>
        <card_balance>158.51</card_balance>
        <corp_balance>188.00</corp_balance>
        <corp_maxlimit>200</corp_maxlimit>
        <corp_group>777</corp_group>
        <corp_minlimit>10</corp_minlimit>
        <aserviceid>1258</aserviceid>
        <corp_enabled>yes</corp_enabled>
        <corp_transaction>50</corp_transaction>
        < corp.assignation date >29-07-2014 20:34:01< / corp.assignation date >
        <corp_transfered>0</corp_transfered>
</card>
```

```
<card>
        <tsimid>214116</tsimid>
        <onum>37259500001</onum>
        <inum>37259500001</inum>
        <enum>18662165315</enum>
        <enumlist>
                <enum>19408965625</enum>
                <enum>89959500001</enum>
        </enumlist>
```

```
        <cellid>disabled</cellid>
        <card_balance>1241.24</card_balance>
        <corp_balance>188.00</corp_balance>
        <corp_maxlimit>10</corp_maxlimit>
        <corp_group>777</corp_group>
        <corp_minlimit>25</corp_minlimit>
        <aserviceid>1258</aserviceid>
        <corp_enabled>yes</corp_enabled>
        <corp_transaction>2</corp_transaction>
        < corp.assignation date >29-07-2014 20:34:01< / corp.assignation date >
        <corp_transfered>0</corp_transfered>
</card>
```

### 3.17.11 Show corporate group sim card information

**Command=corp**

Required parameters: **onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=corp&onum=37259418420

**Printout example:**

```
<corp>
<card>
<tsimid>15881071</tsimid>
<onum>37259418420</onum>
<inum>37259418420</inum>
<enum/>
<enumlist/>
<cellid>disabled</cellid>
<card_balance>837.48</card_balance>
<corp_balance>10000.00</corp_balance>
<corp_group>1</corp_group>
<corp_maxlimit>500.00</corp_maxlimit>
<corp_minlimit>50.00</corp_minlimit>
<aserviceid>1184</aserviceid>
<corp_enabled>yes</corp_enabled>
<corp_transaction>50.00</corp_transaction>
< corp.assignation date >29-07-2014 20:34:01< / corp.assignation date >
<corp_transfered>0.00</corp_transfered>
```

```
</card>
</corp>
```

### 3.17.12 Show corporate group sim cards CDRs

Please, see **Command=gccdr**

### 3.17.13 Show GPRS CDR for corporate group

**Command=gprscdr**

Required parameters: **started, finished, aserviceid, corp_group**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxxx&upass=xxxx&plain=1&command=gprscdr&started=2009-04-01&finished=2009-12-20&aserviceid=1258&corp_group=1

**Printout example:**

```
<records>
<call>
<tsimid>34073</tsimid>
<calldate>2009-11-10 02:22:31</calldate>
<onum>37253215025</onum>
<opercode>24801F</opercode>
<country>Estonia</country>
<operator>EMT</operator>
<ipaddr>217.71.36.129</ipaddr>
<sessionid>314158539</sessionid>
<inb>11843</inb>
<outb>1324</outb>
<rate>5.7</rate>
<cost>0.57</cost>
<curr>USD</curr>
<aserviceid>1258</aserviceid>
<corp_group>777</corp_group>
</call>
</records>
```

### 3.17.14 Automatic transfer history

**Command=corp**

Required parameters: **started, finished, aserviceid, corp_group**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxxx&upass=XXXX&plain=1&command=corp&started=2007-03-31&finished=2008-04-01&aserviceid=1000&corp_group=1

**Printout example:**

```
<records>
<record>
<added>2008-03-28 06:03:50</added>
<aserviceid>1000</aserviceid>
<groupid>1</groupid>
<tsimid>11111</tsimid>
<onum>37253100193</onum>
<inum>37253100193</inum>
<amount>30</amount>
<balance>320.73</balance>
</record>
```

```
<record>
<added>2008-03-26 18:43:35</added>
<aserviceid>1000</aserviceid>
<groupid>1</groupid>
<tsimid>111112</tsimid>
<onum>37253100194</onum>
<inum>37253100194</inum>
<amount>5</amount>
<balance>325.73</balance>
</record>
</records>
```

### 3.17.15 Automatic recharge notifications

It is possible to send a notification to the distributor's URL for every corporate card recharge (cards in every group within service_id)

The desired URL has to be sent to support@travelsim.com

URL example with data sent:

http://distributor_url/transferred=%t&onum=%o&balance=%b

### 3.17.16 Corp. group balance decrease notification

It is possible to send a notification to the distributor's URL for every corporate group balance decrease.

The balance threshold could be set in the system by CSC marketing department.

URL example with data sent:

http://distributor_url/group=%group&serviceid=%serviceid&corp_balance=%corp_balance

## 3.18 Rechargereport

**rechargereport** – command, used to show a list of all recharges of a MSISDN during specified period of time. Furthermore, it shows a total sum of all these transferred amounts.

Following recharge reports are included in the list:

- Rechagre history (<pin recharge>, command=recharge);
- Money transfer history (<money_transfer>, command=sbalance);
- Automatic transfer history (<automatic_transfer>, command=corp);
- Money transfer history travelsim.com (<web_recharge>, command=sbalanceplus).

Required parameters: **onum, started, finished**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=rechargereport&started=2013-07-01&finished=2013-07-04&onum=37254515257

**Printout example:**

```
<recharges>
<pin recharge>
<records>
<record>
<tsimid>20709230</tsimid>
<used>2012-04-28 07:36:35</used>
<inum>40900187300</inum>
<pin>3668828254773228</pin>
<pintype>standart</pintype>
<amount>5.00</amount>
<currency>USD</currency>
</record>
</records>
```

**</pin recharge>**

**<money transfer>**

<records>

<record>

<added>2013-07-03 12:53:12</added>

<type>card</type>

<orderid>35</orderid>

<uname>XXXX</uname>

<address>77.240.240.65</address>

<command>sbalance</command>

<inum>21677336552</inum>

<onum>37254515257</onum>

<balance>10013.37 USD</balance>

<amount>-10.00 USD</amount> **- 10 USD transferred from card balance (10013.37 USD) to debit account. This does not count as recharge amount, therefore this value is not included in <recharge_amount>**

</record>

<record>

<added>2013-07-03 12:53:12</added>

<type>client</type>

<orderid>35</orderid>

<uname>XXXX</uname>

<address>77.240.240.65</address>

<command>sbalance</command>

<balance>504.00 USD</balance>

<amount>+10.00 USD</amount> **- 10 USD will be added to debit account balance (504.00 USD)**

</record>

</records>

**</money transfer>**

**<automatic transfer>**

<records>

<record>

<added>2008-03-28 06:03:50</added>

<aserviceid>1000</aserviceid>

<groupid>1</groupid>

<tsimid>11111</tsimid>

<onum>37253100193</onum>

<inum>37253100193</inum>

<amount>30</amount>

<balance>320.73</balance>

</record>

</records>

**</automatic transfer>**

**<web recharge>**
<records>
<record>
<added>2014-03-07 10:28:48</added>
<type>web</type>
<orderid>0</orderid>
<uname>travelRTSA1</uname>
<address>172.16.123.16</address>
<command>sbalanceplus</command>
<inum>37254057021</inum>
<onum>37254057021</onum>
<balance>1.21 USD</balance>
<amount>+68.15 USD</amount>
</record>
</records>
**</web recharge>**
**<recharge_amount>**403.88 USD**</recharge_amount>** **- sum of all card recharges**
**</recharges>**

Output, if there were no recharges during specified period:

<recharges>
<recharge_amount>**0.00 EUR**</recharge_amount>
</recharges>

# 4 Services

## 4.1 Get xml permissions

The command returns all available xml permissions.

**Command= getpermissions**

Required parameters: **login and pass**

**Printout example**:

```
<getpermissions>
<login>tsim5</login>
<permissions>1; 2; 3; 4; 5; 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25;
26; 27; 28; 29; 30; 31; 32; 33; 34; 35; 36;
37; 38; 39; 40; 41; 42; 43; 44; 45; 46; 47; 48; 49; 50; 51; 52; 53; 54; 55; 56; 57; 58;
59; 60; 61; 62; 63; 64; 65; 66; 67; 68; 69; 70; 71; 72; 73; 74; 75; </permissions>
<dealer_id>1330</dealer_id>
<dealer_name>Migration Dealer Test</dealer_name>
<state>unlocked</state>
</getpermissions>
```

## 4.2 GPRS

### 4.2.1 sgprs, gprscdr, gprsauth

**Command=sgprs –** send GPRS settings

Required parameters: **onum, imei**

**NB!** IMEI number of the client's phone can be displayed with *#06# command on the phone.

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=sgprs&imei=xxxxxxxxxxxxxx&onum=3725xxxxxxx

When command is completed successfully you will receive a similar message:

```
<records>
<result>
1 configuration(s) were sent to 3725xxxxxxx for IMEI xxxxxxxxxxxxxxx
</result>
</records>
```

**NB!** When you use the sgrps command to send GPRS setting to your SIM cards, the system will send two SMS – **password for the GPRS settings and GPRS settings themselves.** However it is possible to add another SMS with custom text defined by distributor.

For example:"Thank you for using GPRS, for recharges please visit our website www.mysite.com"

**Command=gprscdr** – to view GPRS CDRs

Required parameters: **started**, **finished**

Optional parameters: **inum** or **onum** (for requesting info about single card), **corp_group** (for requesting info about cards in corporate group), **service_id**

- **show distributor associated GPRS CDRs**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gprscdr&started=2008-07-11&finished=2008-07-17

- **show GRPS CDRs for specific number**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gprscdr&started=2008-07-11&finished=2008-07-17&plain=1&onum=3725xxxxxxx

**Printout example**:

```
<call>
<tsimid>731526</tsimid>
<calldate>2010-02-09 22:15:05</calldate>
<onum>37259500011</onum>
```

```
<opercode>24801F</opercode>
<country>Estonia</country>
<operator>EMT</operator>
<ipaddr>217.71.36.129</ipaddr>
<sessionid>351385666</sessionid>
<inb>31640</inb>
<outb>7279</outb>
<rate>5.7</rate>
<cost>0.57</cost>
<curr>USD</curr>
<imsi></imsi>
</call>
```

- **show GRPS CDRs for specific number (extended information)**

  Using optional parameter ***extended=yes*** user can:

  1. see the date and time when a GPRS session was finished;
  2. see used traffic with applied multiplicators.

  https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gprscdr&started=2008-07-11&finished=2008-07-17&plain=1&onum=3725xxxxxxx&extended=yes

```
<records>
  <call>
    <tsimid>22290633</tsimid>
    <calldate>2015-01-28 17:47:46</calldate>
    <onum>37282361227</onum>
    <opercode>27602</opercode>
    <country>Albania</country>
    <operator>Vodafone</operator>
    <ipaddr/>
    <sessionid>c8-173-17-3-138-EMPG1.elisa.ee%3B1721435546%3B1153106</sessionid>
    <inb>100</inb>
    <outb/>
    <rate/>
    <cost>0.01</cost>
    <curr>USD</curr>
    <imsi/>
    <QoSid>48</QoSid>
    <RG>6</RG>
```

```
    <end_session>2015-01-28 17:47:49</end_session>
    <usage_b>200</usage_b>
  </call>
</records>
```

- **show GRPS CDRs for specific serviceid**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gprscdr&started=2008-07-11&finished=2008-07-17&aserviceid=1258

**Command=gprsauth** – enable GPRS service

Required parameters: **block**

**block=t** – block GPRS service

**block=f** – activate GPRS service

**block=c** – check current GPRS status

Activate GRPS service for 37253100193:

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gprsauth&onum=37253100193&block=f

**Printout example:**

```
<records>
<result>
<text>OK</text>
<GPRS>enabled</GPRS>
</result>
</records>
```

# 4.3 Daily GPRS

### 4.3.1 Daily GPRS (version 1)

Daily GPRS v1 package is activated only when GPRS session is initiated.

The package cost is taken from user's balance immediately when Daily data package is activated.

If customer uses GPRS in one of the European countries next day, the Daily data package activates again automatically and the package cost is taken immediately from user's balance.

- **Activation/deactivation**

**Command: discount**

Required input parameters: **onum, activate=yes/no, packettype=dailygprs**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&onum=37281431860&activate=yes&packettype=dailygprs

**Printout example:**

```
<discount>
<result>
Service is enabled. Please start a new data session or restart your phone.
</result>
</discount>
```

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&onum=37281431860&activate=no&packettype=dailygprs

**Printout example:**

```
<discount>
<result>Service is disabled</result>
</discount>
```

- **To deactivate specified packetid**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&onum=37281431860&activate=no&packettype=dailygprs&packetid=1

**Printout example:**

```
<discount>
<result>Ok</result>
```

</discount>

**NB! Available packetid is defined on serviceid.**

- **The status of the package**

**NB! The command shows the last ordered package.**

Required input parameters: **started, finished, command=discount**

Optional parameters: **onum or inum, service_id, corp_group**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&started=2012-07-10&finished=2012-07-11

**For specified card number:**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&started=2013-07-05&finished=2013-08-05&onum=37281431860

**For specified serviced:**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&started=2013-07-05&finished=2013-08-05&service_id=1184

**For specified corporate group:**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=discount&started=2013-07-05&finished=2013-08-05&corp_group=1

**Printout example:**

<discount>
....
<gprs>
<tsimid>22124985</tsimid>
<activation_date>2011-07-05 17:46:54</activation_date>
<expire_date>2012-07-05 17:46:54</expire_date>
<onum>37281431860</onum>
<type>Daily GPRS package activation </type>
<cost>1.90</cost>
<currency>USD</currency>
<cooldown>10485760</cooldown>
<amount>10485760</amount>
</gprs>

<gprs>
<tsimid>22124985</tsimid>
<activation_date>2011-07-05 17:46:54</activation_date>
<expire_date>2012-07-05 17:46:54</expire_date>
<onum>37281431860</onum>
**<type>Daily GPRS package order</type>**

<ocost>1.90</ocost>
<currency>USD</currency>
<cooldown>10485760</cooldown>
<amount>10485760</amount>
</gprs>

</discount>

NB! It is possible to use **command=gccdr** to have overview about Daily GPRS package orders.

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gccdr&started=2013-07-03&finished=2013-07-06&plain=1&onum=37281431860

**Printout example:**

<sms>
<tsimid>22124985</tsimid>
<calldate>2013-07-05 09:43:55</calldate>
<onum>37281431860</onum>
<anum>37281431860</anum>
<bnum/>
<rnum/>
<smst>**Daily GPRS Daily GPRS package activation**</smst>
<ccost>1.90</ccost>
<curr>USD</curr>
<imsi/>
<part/>
</sms>
<sms>
<tsimid>22124985</tsimid>
<calldate>2013-07-05 09:43:55</calldate>
<onum>37281431860</onum>
<anum>37281431860</anum>
<bnum/>
<rnum/>
<smst>**Daily GPRS Daily GPRS package order**</smst>
<ocost>5.90</ocost>
<curr>USD</curr>
<imsi/>
<part/>
</sms>

```
</records>
```

**CDRs of data**

Required input parameters: **started, finished, command=gprscdr**

Optional parameters: **onum or inum, service_id, corp_group**

**There** you can find all needed commands.

### 4.3.2 Daily GPRS (version 2)

All Daily GPRS v1 XML commands are working for Daily GPRS v2.

Daily GPRS version is defined on serviceid.

Unlike the previous version (v1) of Daily GPRS, which has been automatically prolonged each day, new data packages need to be activated each time. It means that at the completion of one package by volume or duration, the client can order any other package for an unlimited number of times. Another important difference – the data package becomes activated as soon as the order is done, package cost is being deducted immideately.

### 4.3.3 Specific command

**«Per Mb charging»**

Specially for Elisa data card it possible to switch on/off the "per Mb charging" when the amount volume of Data in the package is finished but the period of the package is not, yet.

**https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxx&upass=xxx&command=packageperMb&plain=1&onum=3728……&activate=yes/no**

Required input parameters: **onum, command= packageperMb,activate=yes/no**

**Printout example, „Ok" answer :**

```
<packageperMb>
        <msisdn>3728…..</msisdn>
        <service>perMB</service>
        <mode>yes</mode>
        <result>Ok</result>
</packageperMb>
```

**Printout example, „Wrong" answer :**

```
<packageperMb>
        <result>error</result>
        <msg>"text error"</msg>
</packageperMb>
```

| Text error | Reason |
|---|---|
| MSISDN not find | MSISDN is not found |
| Already | Active package is already working this way |
| Package not found | User does not have active package |

| | |
|---|---|
| SystemFault | General system failure |

## 4.4 GPRS limits

This service gives an opportunity to order a limit with different time duration (day, week, month, calendar month) while using GPRS.

Duration time of the limit is 24h.

Amount of limit:

* Is set for each card separately

* Limit value can be changed by XML commands

### 4.4.1 Service activation

Command=**gprslimit**

Required input parameters:

**onum** – user MSISDN

**option=active** - «service activation» service

**period=day[week,month1, month2]** – option indicates the period

**value=10** – option indicates the size of limit value (preferable parameter)

**count=3[0]** – option indicates quantity of repeat orders period of orders [0 – no restrictions] (required parameter)

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gprslimit&onum=37281431860&option=active&period=day&value=10&count=3

**Printout example:**

```
<gprslimit>
<onum>37281431860</onum>
<result>success</result>
<active>2013-07-04 14:16:13</active>
<expire>2013-07-05 14:16:13</expire>
<period>day</period>
<count>3</count>
```

```
<value>10.00</value>
<usedvalue>0.00</usedvalue>
</gprslimit>
```

**Possible errors:**

```
<gprslimit>
<onum>37281431860</onum>
<result>error</result>
<text>text</text>
</gprslimit>
```

- Can't found ONUM
- The service is activated yet
- System fault

### 4.4.2 Limit deactivation

**Command=gprslimit**

Required input parameters:

**onum** – user MSISDN;

**option=deactive** - «deactivation service» option

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gprslimit&onum=37281431860&option=deactive

**Printout example:**

```
<gprslimit>
<onum>37281431860</onum>
<result>success</result>
</gprslimit>
```

**Possible errors:**

- **If service was active and already is deactivated**

```
<gprslimit>
<onum>37281431860</onum>
<result>error</result>
<text>The service is deactivated yet</text>
</gprslimit>
```

- Can't found ONUM
- The service is not defined (the service was not active before)

- System fault

### 4.4.3 Set the limit value

**Command=gprslimit**

**NB! If service is not active, it is not possible to set limit (activation XML command is here).**

Required input parameters:
**onum** - user MSISDN
**option=update** - «change the limit value » option
**value=20** – new meaning of limit value

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gprslimit&onum=37281431860&option=update&value=20

**Printout example:**

```
<gprslimit>
<onum>37281431860</onum>
<result>success</result>
<active>2013-07-04 14:34:56</active>
<expire>2013-07-05 14:34:56</expire>
<period>day</period>
<count>3</count>
<value>20.00</value>
<usedvalue>0.00</usedvalue>
</gprslimit>
```

**Possible errors:**

- System fault
- Can't found ONUM
- The service is not active

### 4.4.4 To check status

Command: **gprslimit**

**Required input parameters:**
**onum** – user MSISDN

**option=status** - «indicate the service status» option

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gprslimit&onum=37281431860&option=status

**Printout example:**

```
<gprslimit>
<onum>37281431860</onum>
<result>success</result>
<active>2013-07-04 14:34:56</active>
<expire>2013-07-05 14:34:56</expire>
<period>day</period>
<count>3</count>
<value>20.00</value>
<usedvalue>0.01</usedvalue>
</gprslimit>
```

**Possible errors:**

- System fault
- Can't found ONUM
- The service is not active

### 4.4.5 History of service order

**Command=gprslimit**

Required input parameters:
**onum** – user MSISDN
**option=history** - «show the history of service order» option

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gprslimit&onum=37281431860&option=history

**Printout example:**

```
<records>
<record>
<onum>37281431860</onum>
<result>success</result>
<active>2013-07-04 14:34:56.917</active>
<expire>2013-07-05 14:34:56</expire>
```

```
<period>day</period>
<value>10.00</value>
</record><record>
<onum>37281431860</onum>
<result>success</result>
<active>2013-07-04 14:16:13.850</active>
<expire>2013-07-05 14:16:13</expire>
<period>day</period>
<value>10.00</value>
</record></records>
```

## 4.5 Voice

**Command = srvvoice –** disable/enable voice call service on specific card

It is possible to make some restrictions to specific TSIM cards, so they will not be able to place or receive a call.

**NB!** If you will use the **srvvoice** command at the moment when TSIM is using this service (calling someone or receiving a call) then it will not be applied for the current call, but will be applied for the next call attempts TSIM card will made.

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=srvvoice&onum=372xxxxxxx&active=on

**Required parameters: active**

**active=on** – enable voice service
**active=off** – disable voice service
**active=status** – show service status

When command is completed successfully you will receive a similar message:

```
<service>
 <msisdn>372xxxxxxxx</msisdn>
 <service>voice</service>
 <status>on</service>
 <result>Ok</result>
</service>
```

**Error printout example:**

```
<service>
 <result>error</result>
 <msg>”text error”</msg>
</service>
```

## 4.6 SMS

**Command = srvsms –** disable/enable sms service on specific card

This command allows you to manage sms service on your TSIM cards if you have to disable/enable this service for some reason.

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=srvsms&onum=372xxxxxxxx&sms=off

**Required parameters: active**

**active=on** – enable sms service
**active=off** – disable sms service
**active=status** – show sms service status

When command is completed successfully you will receive a similar message:

```
<service>
 <msisdn>372xxxxxxxx</msisdn>
 <service>sms</service>
 <status>off</service>
 <result>Ok</result>
</service>
```

**Error printout example:**

```
<service>
 <result>error</result>
 <msg>”text error”</msg>
</service>
```

## 4.7 CellID v3

Cellid service allows you to get a geographical location of your TSIM cards at any given moment. Service management is done via XML commands.

**NB!** The following statements apply to the service:

- The validity of package is 30 days starting with the activation date.
- **Available packages:**

  Package 1 – 100 requests

  Package 2 – 1500 requests
- Package activation and termination time is defined by Estonian time (GMT+2).
- It is possible to order several packages with the limit 10 000 requests per month per SIM card. For example, you would like to purchase 3 packages nr. 1 and 4 packages nr. 2. The total sum is 6300 requests per calendar month. In case total sum of the requests exceeds the limit, purchase will be rejected. For example, you have already ordered 9 000 requests and would like to order 1 500 more. 9 000 + 1 500 = 10 500 requests - that exceeds the limit and purchase will be rejected.

### 4.7.1 Activation of the package: command=nav3

Required parameters:

**onum** – client TSIM (MSISDN)

**from** – service start date

**timeframe** – value that defines the period of service operability(1 period = 30 calendar days)

Maximum number of active periods per MSISDN = 12

**packetid**=[1..x] – packet ID which is allowed in the service_id

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxx&upass=xxx&plain=1&command=nav3&onum=37259500043&from=2012-09-15&timeframes=3&packetid=1

**Outprint example:**

```
<record>
<onum>37259500043</onum>
<result>success</result>
<active>2012-09-15</active>
<expire>2012-12-14</expire>
<packetid>1</packetid>
<price>1.00</price>
<balance_before>305.73</balance_before>
<balance_after>304.73</balance_after>
</record>
```

**Possible errors:**

- Not enough money
- MSISDN not found
- Incorrect timeframe value
- Incorrect packetid value
- Service is blocked
- Maximum number of CellID orders per period reached

### 4.7.2 Status of the package: command=navstat3

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxx&upass=xxx&plain=1&command=navstat3&onum=37281431860

**Printout example:**

Service activated

```
<records>
<record>
<onum>37281431860</onum>
<active>2013-07-01</active>
<expire>2013-07-31</expire>
<packetid>3</packetid>
<price>1.00</price>
<status>enabled</status>
```

```
<ordered>2013-07-04</ordered>
<queries_left>3</queries_left>
<queries_used>0</queries_used>
</record>

<record>
<onum>37281431860</onum>
<active>2013-07-01</active>
<expire>2013-07-31</expire>
<packetid>9</packetid>
<price>5.00</price>
<status>enabled</status>
<ordered>2013-07-04</ordered>
<queries_left>19</queries_left>
<queries_used>1</queries_used>
</record>
</records>
```

**NB! The command shows all active packages only.**

**Possible error:**

- **if CellID v3 service is not active for current serviceid**

```
<record>
<onum>37259500014</onum>
<result>error</result>
<text>Service is blocked</text>
</record>
```

### 4.7.3 Receiving coordinates: command=getnav3

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxx&upass=xxx&plain=1&command=getnav3&onum=37281431860

**Printout example:**

```
<record>
<onum>37281431860</onum>
<date>2013-07-06 22:45:02</date>
<latitude>59.4303943737824</latitude>
<longitude>24.8893254559668</longitude>
<radius>50000.0</radius>
<country>Estonia</country>
<positioning>Phone</positioning>
```

```
<ageOfLocation>105</ageOfLocation>
<PhoneStatus>IDLE</PhoneStatus>
</record>
```

**Possible errors:**

- **if CellID v3 service is not active for current serviceid**

```
<record>
<onum>37281431860</onum>
<result>error</result>
<text>Service is blocked</text>
</record>
```

- MSISDN not found
- System error
- Number of available queries exceeded

### 4.7.4 Order history: command=navcdr3

Required parameters: **started**, **finished**, **onum** (for requesting info about single card)

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=navcdr3&started=2012-01-18&finished=2012-04-05&onum=37259500014

**Printout example:**

```
<result>
<record>
<onum>37259500014</onum>
<active>2012-06-21</active>
<expire>2012-08-20</expire>
<packetid>1</packetid>
<price>1.00</price>
<ordered>2012-04-11 14:51:20</ordered>
</record>
<record>
<onum>37253100193</onum>
<active>2012-02-03</active>
<expire>2012-03-05</expire>
<packetid>2</packetid>
<price>2.00</price>
<ordered>2012-01-18 14:22:19</ordered>
</record>
</result>
```

**If there are no any orders:**

```
<result> </result>
```

## 4.8 WebCall

It is possible to manage status of WebCall service.

**Command = webcauth**

Required parameter: **inum** or **onum**

Required parameter: **block=t** (block Webcall service), **block=f** (activate Webcall service) or **block=c** (check current Webcall status)

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=webcauth&onum=37254515257&block=c

**Printout example:**

```
<records>
<result>
<text>OK</text>
<WebCall>enabled</WebCall>
</result>
</records>
```

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=webcauth&onum=37254515257&block=t

**Printout example:**

```
<records>
<result>
<text>OK</text>
<WebCall>disabled</WebCall>
</result>
</records>
```

### 4.8.1 Check status of all MSISDNs in appendix

Required parameters: serviceid;

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=rbalance&serviceid=1111

```
<rbalance>
  <card>
    <msisdn>37253100193</msisdn>
    <status>not active</status>
  </card>
  ...
  <card>
    <msisdn>37253100194</msisdn>
    <status>active</status>
  </card>
</rbalance>
```

# 5 Additional features

## 5.1 Extra number feature

For each mobile number it is possible to activate an extra number. Number should be taken from ranges assigned specially to your company.

Extra number feature allows assigning of local country numbers to TravelSIM cards. End-client can receive inbound calls to both numbers: to Mobile Number and to Extra number.

If call received on extra number, end-client will pay surcharge.

For outbound calls CLI will show inum, as usually.

### 5.1.1 Retrieve extra numbers CDR

**Command=gccdr**
Required parameters: **started, finished, type=extra**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gccdr&started=2007-10-30&finished=2008-01-21&plain=1&type=extra

Please, see in this chapter: Get CDR for redirected calls

### 5.1.2 Primary extra number addition/removing

**Command=gccdr**

Required parameters: **onum, enum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=enum&onum=37253204366&enum=44123456789

enum=44123456789 – to add enum

enum= – to delete enum

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=enum&onum=37253204366&enum=44123456789

**Printout example:**

```
<card>
<tsimid>15729072</tsimid>
<inum>37253204366</inum>
<onum>37253204366</onum>
<enum>44123456789</enum>
</card>
```

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=enum&onum=37253204366&enum=

NB! In this case extra number field is empty

**Printout example (removing):**

```
<card>
<tsimid>15729072</tsimid>
 <inum>37253204366</inum>
<onum>37253204366</onum>
<enum>
</card>
```

### 5.1.3 To check Enum status

**Command=enum**

Required parameters: **onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=enum&onum=37254515257

**Printout example:**

```
<card>
<tsimid>21545763</tsimid>
<inum>33756471866</inum>
<onum>37254515257</onum>
<enum>39632278090</enum>
</card>
```

**Possible error:**

- **Card number has not extra number**

```
<enum>
<type>ERROR</type>
<text>Extra number not activated</text>
</enum>
```

### 5.1.4 Secondary extra numbers addition/removing

**Command=enumadd**

Required parameters: **onum, enum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=enumadd&onum=375555555&enum=372531111111

**Printout example (addition):**

```
<enumadd>
<result>Ok</result>
</enumadd>
```

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=enumdel&onum=375555555&enum=

**Printout example (removing):**

```
<enumdel>
<result>Ok</result>
</enumdel>
```

### 5.1.5 Secondary extra numbers review

**Command=enumlist**

Required parameters: **onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=enumlist&onum=37254515257

**Printout example:**

```
<card>
<tsimid>21545763</tsimid>
<inum>33756471866</inum>
<onum>37254515257</onum>
<enumlist>
<enum>89937254515257</enum>
</enumlist>
</card>
```

### 5.1.6 All extra numbers review

**Command=shownum**

Required parameters: **num**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxx&upass=yyy&plain=1&command=shownum&num=Some_number

**Some number can be:** est_msisdn, primary enum, secondary enum, inum, hk_msisdn или us_msisdn

**Printout example:** all numbers that **Some number** has

```
<card>
        <tsimid>19770393</tsimid>
        <inum>792153108631</inum>
        <onum>37253108631</onum>
        </us_msisdn>
        </hk_msisdn>
        <primary_enum>12234556</primary_enum>
        <secondary_enum>12234556</secondary_enum>
        <secondary_enum>12234776</secondary_enum>
<secondary_enum>12234886</secondary_enum>
</card>
```

## 5.2 Auto-Recharge

Sending a trigger to distributor's server when balance of user is below the specified limit.

Upon receiving this event, distributor can make auto-recharge to customer using «sbalance» or «recharge» commands. The trigger is sent each time the call is finished and balance is below the limit. The limit is one for the account.

Example of trigger:

https://distributor_url/script?onum=37253100654&balance=3.40

## 5.3 Recharge from a handset using amount

Customer goes to menu Add Credit, then dials *XXXXXXXXXXXXx (up to 16 digits), and select «OK».

This message "*XXXXXXXXXXXXx" without changes will be delivered to distributor's server.

Then distributor can charge customer's credit card, and can make recharge using «sbalance» or «recharge».

**Example of using:**

Customer dials from Add Credit: *100, and distributor makes charging for 100 eur from customer's Credit Card, then makes recharge on 100 EUR to his SIM

**Example of event:**

https://distributor_url/script?onum=37253333658&pin=*100&balance=12.75&currency=EUR&XXXXid=14576

## 5.4 Distributor notifications

### 5.4.1 Country arrival notification

It is possible for distributor to receive notifications upon Tsim cards registering in the new country. Distributor has to provide the destination URL.

Example:

http://distributor_url/script?onum=%o&country=%cc&network=%nc&time=%t&date=%d

Where Country field corresponds to MCC:

(http://en.wikipedia.org/wiki/List_of_mobile_country_codes)

### 5.4.2 Voiceprice notification

This feature allows to automatically send an accompanying SMS message along with GPRS/SMS/Voice information for your customers. Distributor has to provide the desired text message in English language.

Examples: «Calls to Russia from Europe and Turkey – XXX Euro/min….», «Offer 10 MB GPRS Daily (increments 100 GB). To activate please, dial *146*….».

## 5.5 Rates Export

### 5.5.1 Export of actual rates

List of all rates for all serices
Format: XML
Command: getrates

**XML commands:**

XML example 1: General structure of current retail rates plans. Parameter: serviceid/dealerID.

XML example 2: Detailed rates plan per service type (Voice(Base+ Special)/SMS/GPRS and Discount packages/Turbo). Optional parameters: ratesId, servicetype=gprs/voice/sms.

XML example 3: Rates updates history by period *(ex. get all rates changes (price, connection cost, operators …).*

***XML example 1***

Output the structure and general name by rate_ID (rate plane ID) for all service id / dealer id.

**Example:**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxx&upass=xxx&plain=1&command=getrates – general info by dealer , for all service IDs.

or

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxx&upass=xxx&plain=1&command=getrates& serviceid=9060 - general info by dealer, only for account where service ID = 9060.

or

The main dealer able to get info for sub-dealer , by using dealer_ID as parameters.

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxx&upass=xxx&plain=1&command=getrates&dealerid=XXX.

or

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxx&upass=xxx&plain=1&command=getrates&dealerid=xxx&serviceid=yyy – detailed for sub-dealer(dealer = XXX) and account where "service ID = yyy".

## Printout example:

```
<get rates>
<servise>
 <serviceid name> TravelSim_NEW</serviceid name>
 <serviceid>9060 </serviceid>
 <VAT coefficient> 1.0 </VAT coefficient> - Коэффициент для Retail (VAT)
   <GPRS plan>
       <GPRS base>
              <GPRS base id> 1120 </GPRS base id>
              <GPRS base desc> TravelSim NEW Global USD </GPRS base desc>
       </GPRS base>
       <GPRS discount >
              <GPRS discount id> xxx </GPRS discount id>
              <GPRS discount name> 2 week pass </GPRS discount name>
              <GPRS discount code> 2 </GPRS discount code>
              <GPRS discount volume> 512 Mb </GPRS discount volume>
              <GPRS discount price > 45.0000 USD </GPRS discount price > (package price)
              <GPRS discount ocost > 0.0000 USD </GPRS discount ocost > (order cost)
              <Messages>
```

<Activate>Congratulations! You have purchased the %name%. It will activate in 1 minute. To
check your balance or add more data please click here http://onesimcard.data/</Activate>
<Deactivate> %cost% data package is deactivated</Deactivate>
<Status> You have used %used%, you can still use %data%, remaining time %time%</Status>
</Messages>
*</GPRS discount>*

*<GPRS discount>*
<GPRS discount id> **xxx** </GPRS discount id>
<GPRS discount name> **Monthly pass**</GPRS discount name>
<GPRS discount code> **3** </GPRS discount code>
<GPRS discount volume> **1024 Mb** </GPRS discount volume>
<GPRS discount price > **75.0000 USD**</GPRS discount price > *(package price)*
<GPRS discount ocost > **0.0000 USD** </GPRS discount ocost > *(order cost)*

<Messages>
<Activate>Congratulations! You have purchased the %name%. It will activate in 1 minute. To
check your balance or add more data please click here http://onesimcard.data/</Activate>
<Deactivate> %cost% data package is deactivated</Deactivate>
<Status> You have used %used%, you can still use %data%, remaining time %time%</Status>
</Messages>
</GPRS discount>
*….. all others discount packages + Turbo option //Turbo next to GPRS discount*
</ GPRS plan >

<SMS plan>
<SMS base>
<SMS base id>**2762**</SMS base id>
<SMS base desc>**TravelSim NEW Global** </SMS base desc>
</SMS base>

<SMS discount>
< SMS discount id> **xxx** </ SMS discount id> //Discount rate plan ID
< SMS discount name> **SMS_100_package_USD** </ SMS discount name>
< SMS discount code> **1** </ SMS discount code>
< SMS discount volume> **100** </ SMS discount volume>
< SMS discount price > **0 USD**</ SMS discount price >
< SMS discount ocost > **10 USD** </ SMS discount ocost > *(order cost)*
<Messages>
<Activate>SMS package in Europe activated</Activate>
<Deactivate> SMS package in Europe deactivated</Deactivate>
<Status> SMS package active for %days day(s) more. You have already used %v of %vs free SMS</Status>
</Messages>
</SMS discount>
<SMS USSD>
<USSD message>**TravelSim NEW Global**</USSD message>
<USD message rate> **0.10 USD** </USSD message rate>
</SMS USSD>
</ SMS plan >

```
<Voice plan>
  <Voice base>
        < Voice base id>6101</ Voice base id>
        < Voice base desc>TravelSim NEW Global </ Voice base desc>
  </Voice base>

  <Voice Special> (Calls from TravelSim to TravelSim and Voicemail)
        <Voice Specialid>6781 < /Voice Special id >
        < Voice Special desc > Discount calls </ Voice Special desc >
  < /Voice Special>

 <Voice discount >  (ex. aserviceid: 10481)
        <Voice discount id>XXX< /Voice  discount  id >
        < Voice discount name> Discount  USD </ Voice discount name >
        < Voice discount code> 1 </ Voice discount code>
        < Voice discount usage>30 days </ Voice discount usage>
        < Voice MIN usage>30 days </ Voice MIN usage>
        < Voice discount ocost > 3.9900 USD </ Voice discount ocost > (order cost)
        <Voice _discount_retail_id> 3722</Voice_discount_retail_id>

        <Messages>
          <Activate>Discount Voice price activated</Activate>
          <Deactivate> Discount Voice price deactivated</Deactivate>
          <Status> Discount Voice active for %days day(s) more</Status>
        </Messages>
  < /Voice discount >
  Camel packages will be showed if they will be on account
</ Voice plan >

<VAS> (ex. Dual IMSI UK (aserviceid: 10481))
  <CellId> xxx </ CellId>
  < CellId name> Package_1</ CellId name>
  < CellId code> 1 </ CellId code>
  < CellId volume> 100 </ CellId volume>
  < CellId price > 2.99 USD </ CellId price >
  < Timeframe> 30 </ Timeframe>
 </VAS>
</service>

…… all others services 10481, 16083 …..
</ get rates>
```

***XML2 example***

By used parameters as (serviceid, ratesid, servicetype=gprs/voice/sms), dealer be able to get more detailed info for a rate plan.  All data will be shown due the moment of request

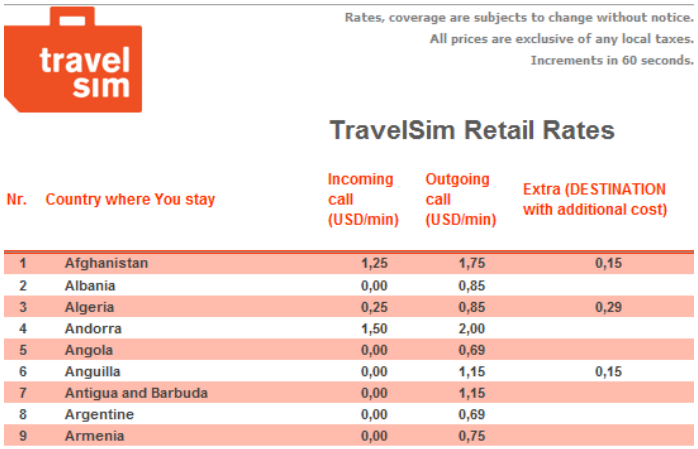
Optional parameters: serviceid, ratesid, servicetype=gprs/voice/sms.

**Standard retail rates for voice: Voice base**

ratesid = 6751 = Travelsim_NEW USD

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXXXX&plain=1&command=getrates&aserviceid=9060&servicetype=voice&ratesid=6761

**Visualization example:**



Rates, coverage are subjects to change without notice.
All prices are exclusive of any local taxes.
Increments in 60 seconds.

TravelSim Retail Rates

| Nr. | Country where You stay | Incoming call (USD/min) | Outgoing call (USD/min) | Extra (DESTINATION with additional cost) |
|---|---|---|---|---|
| 1 | Afghanistan | 1,25 | 1,75 | 0,15 |
| 2 | Albania | 0,00 | 0,85 | |
| 3 | Algeria | 0,25 | 0,85 | 0,29 |
| 4 | Andorra | 1,50 | 2,00 | |
| 5 | Angola | 0,00 | 0,69 | |
| 6 | Anguilla | 0,00 | 1,15 | 0,15 |
| 7 | Antigua and Barbuda | 0,00 | 1,15 | |
| 8 | Argentine | 0,00 | 0,69 | |
| 9 | Armenia | 0,00 | 0,75 | |

**Printout example**:

```
<get rates>
<inbound>
  <tariff id>XXX</tariff id>
  <direction>Algeria</direction>
  <base price >0.25000 USD</base price >
  <connection fee>0.00000 USD</connection fee>
  <billing step>  00:01:00</ billing step>

  <tariff id>XXX</tariff id>
  <direction>Andorra</direction>
  <base price >1.50000 USD </base price >
  <connection fee>0.00000 USD</connection fee>
  <billing step>  00:01:00</billing step>
…
</inbound>

<outbound>
  <tariff id>XXX</tariff id>
  <direction>Algeria</direction>
  <base price >0.85000 USD</base price >
  <connection fee>0.00000 USD</connection fee>
  <billing step >00:01:00</billing step>

  <tariff id>XXX</tariff id>
  <direction>Andorra</direction>
  <base price >2.00000 USD</base price >
  <connection fee>0.00000 USD</connection fee>
  <billing step >  00:01:00</billing step >
   …
```

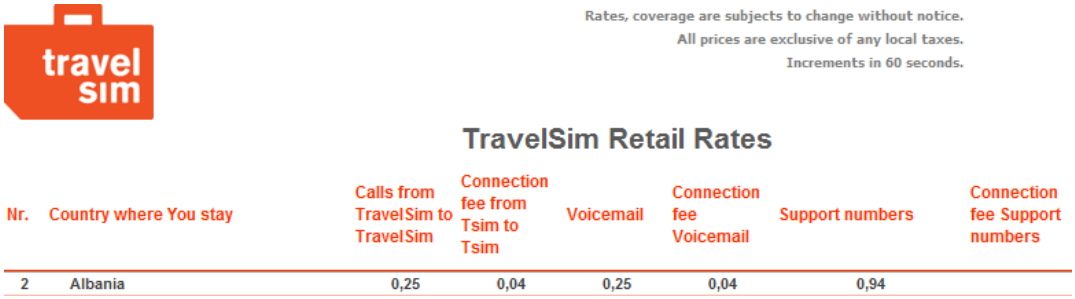
```
</outbound>

<extra>
 <tariff id>XXX</tariff id>
 <direction>Algeria</direction>
 <base price >0.29000 USD</base price >
 <connection fee>0.00000 USD</connection fee>
 <billing step > 00:01:00</billing step >

 <tariff id>XXX</tariff id>
 <direction>Andorra</direction>
 <base price >0.00000 USD</base price >
 <connection fee>0.00000 USD</connection fee>
 <billing step > 00:01:00</billing step >
  ...
</extra>
</ get rates>
```

**Discount retail rates for voice: Voice Special**

ratesid = 6781 = Special Travelsim  NEW USD

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXXX&upass=XXXX&plain=1&command=getrates&aserviceid=9060&servicetype=voice&ratesid=6781

**Visualization example:**



Rates, coverage are subjects to change without notice.
All prices are exclusive of any local taxes.
Increments in 60 seconds.

**TravelSim Retail Rates**

| Nr. | Country where You stay | Calls from TravelSim to TravelSim | Connection fee from Tsim to Tsim | Voicemail | Connection fee Voicemail | Support numbers | Connection fee Support numbers |
|---|---|---|---|---|---|---|---|
| 2 | Albania | 0,25 | 0,04 | 0,25 | 0,04 | 0,94 | |

**Printout example**:

```
<get rates>
 <tariff id>XXX</tariff id>  ( see example below)
 <location  A>Albania</location A>
 < direction B>Estonia Mobile </ direction B>  (Calls from Tsim to Tsim)
 <base price>0.25000 USD</base price>
 <connection fee>0.04000 USD</connection fee>
 <billing step>00:01:00</ billing step >

 <tariff id>XXX</tariff id>
```

<location A>**Albania**</ location A>
<direction B>**Support number**</direction B>
<base price>**0.94000 USD**</base price>
<connection fee>**0.00000 USD** </connection fee>
<billing step **>00:01:00**</ billing step >

<tariff id>**XXX**</tariff id>
< location A>**Albania**</ location A>
<direction B>**Voicemail**</direction B>
<base price>**0.25000 USD**</base price>
<connection fee>**0.04000 USD**</connection fee>
<billing step>**00:01:00**</ billing step>

….
</ get rates>

**Example** <tariff id> **48055293**</tariff id>

## General tariff set

### Standard retail rates for data usage: GPRS base

Ratesid = 1600 = Travelsim_NEW USD

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXXX&upass=XXXXX&plain=1&command=getrates&aserviceid=9060&servicetype=gprs&ratesid=1600

**Printout example**:

<get rates>
<tariff id>**XXX**</tariff id>
< MCC MNC> **276 01**</ MCC MNC>
< Country> **Albania**</ Country>
<Volume in Kb> **10** </Volume in Kb>
<Granularity in Kb> **10** </Granularity in Kb>
<GPRS base price > **7.00000 USD** </ GPRS base price >

<tariff id>**XXX**</tariff id>
< MCC MNC> **280 10**</ MCC MNC>
< Country> **Cyprus**</ Country>
< Volume in Kb> **10** </Volume in Kb>
< Granularity in Kb> **10** </Granularity in Kb>
< GPRS base price > **0.25000 USD** </ GPRS base price >

<tariff id>**XXX**</tariff id>

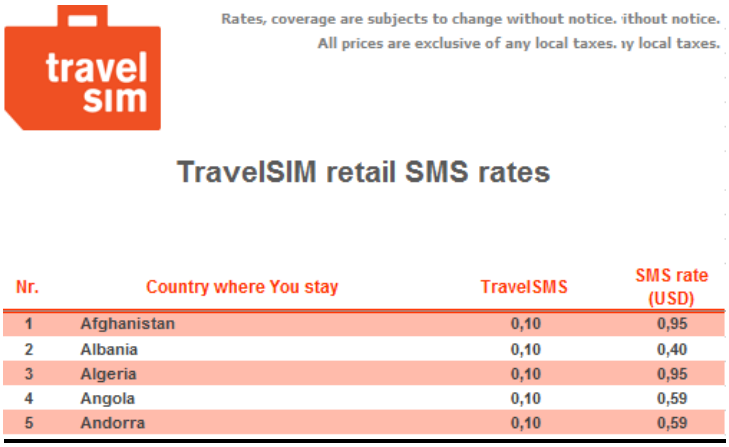
< MCC MNC> **280 010**</ MCC MNC>
< Country>**Cyprus**</ Country>
< Volume in Kb> **10** </Volume in Kb>
< Granularity in Kb> **10** </Granularity in Kb>
< GPRS base price> **0.25000 USD** </ GPRS base price >
…
</ get rates>

**Standard retail rates for text: SMS base**

Ratesid = 2762 = Travelsim  NEW USD

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=xxx&upass=xxx&plain=1&command=getrates&aserviceid=9060&servicetype=sms&ratesid=2762

**Visualization example:**



Rates, coverage are subjects to change without notice. ithout notice.
All prices are exclusive of any local taxes. ıy local taxes.

TravelSIM retail SMS rates

| Nr. | Country where You stay | TravelSMS | SMS rate (USD) |
|---|---|---|---|
| 1 | Afghanistan | 0,10 | 0,95 |
| 2 | Albania | 0,10 | 0,40 |
| 3 | Algeria | 0,10 | 0,95 |
| 4 | Angola | 0,10 | 0,59 |
| 5 | Andorra | 0,10 | 0,59 |

**Printout example**:

<get rates>
<tariff id>**XXX**</tariff id>
<location A> **Andorra** </location A>
<direction B>**Any**</direction B>
<base price> **0.5900 USD**</base price>

<tariff id>**XXX**</tariff id>
<location A> **Angola** </location A>
<direction B>**Any**</direction B>
<base price> **0.5900 USD**</base price>

<tariff id>**XXX**</tariff id>
<location A> **Argentine** </location A>
<direction B>**Any**</direction B>

```
 <base price> 0.5900 USD</base price>
…
 </ get rates>
```

***XML3 example***

The list of changing of costs inside a specific rate plan, only new values – since a selected date. The selected date in included too.

Rates changes by period *(ex. get all rates changes (price, connection cost, operators …) since 01.06.2016 by all services).*

started – request from date (format:YYYY-MM-DD).

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=LDp2k1W&upass=q9L3Wpsv8&plain=1&command=getrates&aserviceid=9060&started=2016-06-01

**Printout example**:

```
<getrates>
<service >
<GPRS base>
 < Validity period>2016-06-01 to - <validity period
 < GPRS base id> 1120 </GPRS base id>
 < Tariff id>XXX</Tariff id>
 < MCC MNC> 276 01</ MCC MNC>
 < Country> Albania</ Country>
 < Volume in Kb> 10 </Volume in Kb>
 < Granularity in Kb> 10 </Granularity in Kb>
 < GPRS base > 7.00000 USD </ GPRS base tariff >
</GPRS base>

<SMS base>
 <Validity period>2016-06-01 to - <validity period
 <SMS base id> 1120 </SMS base id>
 < Tariff id>XXX</Tariff id>
 <location A> Albania </location A>
 <direction B>Any</direction B>
 <base> 0.4000 USD</base>
</SMS base>

<Voice base>
< Validity period>2016-06-01 to - <validity period
<Voice base id> 1120 </Voice base id>
<in>
 < Tariff id>XXX</Tariff id>
 <direction A>Albania</direction A>
 <base>0.26000 USD</base>
 <connection fee>0.00000 USD</connection fee>
```

```
  <billing step> 00:01:00</ billing step>
….
</in>
<out>
  < Tariff id>XXX</Tariff id>
  <direction A>Albania</direction A>
  <base>0.82000 USD</base>
  <connection fee>0.00000 USD</connection fee>
  <billing step> 00:01:00</ billing step>
   …
</out>
<extra>
  < Tariff id>XXX</Tariff id>
  <direction A>Albania</direction A>
  <base>0.29000 USD</base>
  <connection fee>0.00000 USD</connection fee>
  <billing step> 00:01:00</ billing step>
  …
</extra>
</Voice base>

<Voice special>
  <Validity period>2016-06-01 to - <validity period
  <Voice special id> 1120 </ Voice special id>

  < Tariff id>XXX</Tariff id>
  <location A>Albania</location A>
  <direction B>Estonia Mobile</direction B>
  <base>0.25000 USD</base>
  <connection fee>0.04000 USD</connection fee>
  <billing step> 00:01:00</ billing step>

  < Tariff id>XXX</Tariff id>
  <location A>Albania</location A>
  <direction B>Support number</direction B>
  <base>0.94000 USD</base>
  <connection fee>0.00000 USD </connection fee>
  <billing step> 00:01:00</ billing step>

</Voice special>

</service>
 </ get rates>
```

# 6 Troubleshooting tools

## 6.1 Basic mobile network & core network information

Features described in current block allow customer to get real-time information from mobile & core network. Received information will help to perform initial troubleshooting in case of SIM card malfunction. Described API commands will allow customer to integrate it into his own user interface.

### 6.1.1 Check type of SIM card & status of services

**Command=gbalance&detailed=true**

Allows customer to get extended information about SIM card which belongs to his account. Here is the list of considered services:

- software version;
- form factor;
- appendix name;
- IMSI;
- Voice call service (ON/OFF);
- Data service (ON/OFF);
- Classic SMS service (ON/OFF);
- USSD SMS service (ON/OFF);
- Call-waiting service (ON/OFF);
- Voice mail service (ON/OFF);

Required parameters: **onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=gbalance&detailed=true&onum=37254515257

**Printout example:**

```
<records>
  <card>
    <tsimid>15704590</tsimid>
    <aserviceid>7575</aserviceid>
    <inum>37254515257</inum>
```

```
    <onum>37254515257</onum>
    <prepayed>false</prepayed>
    <blocked>false</blocked>
    <balance>1000.00</balance>
    <curr>EUR</curr>
    <software_version>8K</software_version> // parameters in bold will be shown only when &detailed=true is used
    <ffactor>3</ffactor>
    <aservice_id>11080</aservice_id>
    <appendix_name>M2M Classic Special</appendix_name>
    <imsi>248022119989958</imsi>
    <voice_call>ON</voice_call>
    <gprs>ON</gprs>
    <classic_sms>OFF</classic_sms>
    <ussd_sms>OFF</ussd_sms>
    <call_waiting>OFF</call_waiting>
    <voicemail>OFF</voicemail>
  </card>
</records>
```

Here is how customer should interpret parameters in **bold**:

**software version** – value of SIM software version, mostly used for internal purposes. Here are possible values:

7.5; 7.5M; 8K; 8KO; Telia postpaid; – these versions are only allowed to use "reconnect SIM card to Mobile Network" feature

**ffactor** – id of requested SIM card formfactor. Here are possible values:

1 - Mini SIM (2FF)

2 - Micro SIM (3FF)

3 - Nano SIM (4FF)

4 - MFF2 embedded SIM

**aservice_id** – id of appendix where requested SIM card belongs to

**appendix_name** – name of appendix where requested SIM card belongs to

**imsi** – International Mobile Subscriber Identity. It allows to define if requested SIM card is 4G capable:

248010241000000-248010241999999 – 4G capable

248010400000000-248010419999999 – 4G capable

248010420000000-248010424999999 – 4G capable

248010430000000-248010499999999 – 4G capable

248020000000000-248029999999999 – 4G capable

Other IMSI – 4G incapable

Also, IMSI value allows to define what product type requested SIM card belongs to:

248010160100000-248010160199999 – M2M 2G/3G

248010425000000-248010429999999 – M2M 2G/3G

248010241000000-248010241999999 – M2M 2G/3G/4G

248010420000000-248010424999999 – M2M 2G/3G/4G

248022110000000-248022118999999 – TravelSim New

248022119900000-248022119999999 – EuroSIM

Other IMSI – TravelSim

**voice_call** – Voice service status. In case Voice IN/OUT service was blocked on rates level it won't be recognized as blocked by this parameter.

**gprs** – Data service status. In case Data service was blocked on rates level it won't be recognized as blocked by this parameter.

**classic_sms** – SMS service status. In case SMS service was blocked on rates level it won't be recognized as blocked by this parameter. Also, please consider fact that inbound SMS can't be blocked at all.

**ussd_sms** – USSD SMS service status.

**call_waiting** – Call Waiting service status

**voicemail** – Voicemail service status

### 6.1.2 Check active Data session on SIM card

**Command=checkdatasession**

Allows customer to get information about active Data session on requested SIM card at the moment of API request (real-time data).

Required parameters: **onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=checkdatasession&onum=37254515257

**Printout example:**

In case there is active Data session on requested SIM card:

```
<checkdatasession>
<msisdn>37254515257</msisdn>
<sessions>
<session>
<starttime>2017-12-21 17:15:48</starttime>
<mccmnc>24801</mccmnc>
</session>
</sessions>
</checkdatasession>
```

In case there is no active Data session on requested SIM card:

```
<checkdatasession>
  <msisdn>37282360017</msisdn>
  <sessions></sessions>
</checkdatasession>
```

### 6.1.3 Check Network registration history on requested SIM card

**Command=get_lu**

Allows customer to get information about last known Network registration (Location Update) of each type. Here are all possible types of records:

U - Registration updated (Country not changed)

I - SIM registered (Country changed)

G - Data service activated (SGSN changed)

P - Data session is up (PDP context OK)

Required parameters: **onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=get_lu&onum=37254515257

**Printout example:**

```
<get_lu>
  <voice_lu_first>
    <msisdn>37254515257</msisdn>
    <vlr>3725097008</vlr>
    <imsi>248010132144739</imsi>
    <MCC>248</MCC>
    <MNC>01</MNC>
    <lu_type>I</lu_type>
    <date_time>2018-01-16 10:54:05</date_time>
  </voice_lu_first>
  <gprs_lu>
    <msisdn>37254515257</msisdn>
    </vlr>
    </imsi>
    <MCC>288</MCC>
    <MNC>01</MNC>
    <lu_type>P</lu_type>
    <date_time>2018-01-16 08:48:44</date_time>
  </gprs_lu>
  <voice_lu>
    <msisdn>37254515257</msisdn>
    <vlr>298249032</vlr>
    <imsi>248010132144739</imsi>
    <MCC>288</MCC>
    <MNC>01</MNC>
    <lu_type>U</lu_type>
    <date_time>2018-01-16 08:48:35</date_time>
  </voice_lu>
  <gprs_lu_first>
    <msisdn>37254515257</msisdn>
    <vlr>298249033</vlr>
    <imsi>248010132144739</imsi>
    <MCC>288</MCC>
    <MNC>01</MNC>
    <lu_type>G</lu_type>
    <date_time>2018-01-16 08:48:33</date_time>
  </gprs_lu_first>
</get_lu>
```

### 6.1.4 Check latest activity (CDRs) on requested SIM card

**Command=get_last_activity**

Allows customer to get information (CDRs) about last usage of basic services:

Outbound call

Inbound call

Call forwarding

Voicemail

Data

SMS outbound

SMS inbound (non Classic) // here will be displayed only SMPP/XML/USSD SMS

USSD

Balance recharge

Location update

Required parameters: **onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=get_last_activity&onum=37254515257

**Printout example:**

```
<get_last_activity>
        <outbound_call>
                <tsimid>24000351</tsimid>
                <calldate>2017-10-17 14:06:19</calldate>
                <onum>37281718018</onum>
                <anum>37281718018</anum>
                <bnum>3726166580</bnum>
                <rnum>3725008292</rnum>
                <cdir>O</cdir>
                <duration>6</duration>
```

```
                <billsec>2</billsec>
                <ccost>0.15</ccost>
                <curr>EUR</curr>
                <mcost>0.15</mcost>
                <conn_cost>0.00</conn_cost>
                <free_sec>0</free_sec>
                <bleg>true</bleg>
                <adest>Estonia Mobile (EMT)</adest>
                <bdest>Estonia</bdest>
                <rdest>Estonia</rdest>
                <uniqueid>779937261.00e759cabae32fba</uniqueid>
                <imsi/>
        </outbound_call>
        <data>
                <tsimid>24000351</tsimid>
                <calldate>2018-01-24 15:26:43</calldate>
                <onum>37281718018</onum>
                <opercode>24801</opercode>
                <country>Estonia</country>
                <operator>EMT</operator>
                <ipaddr/>
                <sessionid>c8-217-71-33-106-
koortepg1pcef.emt.ee%3B1515712816%3B3853127</sessionid>
                <inb>10240</inb>
                <outb/>
                <rate/>
                <cost>0.0000</cost>
                <curr>EUR</curr>
                <imsi/>
                <end_session>2018-01-24 15:26:43</end_session>
                <usage_b>10240</usage_b>
        </data>
        <sms_inbound_nonclassic>
                <calldate>2018-01-24 12:25:50</calldate>
                <onum>37281718018</onum>
        </sms_inbound_nonclassic>
</get_last_activity>
```

### 6.1.5 Perform action: reconnect SIM card to Mobile Network

**Command=makerequest&scenarioid=1**
Allows customer to initiate a restart of SIM card software, which in its turn will initiate the process of registration on Mobile Network.

Required parameters: **onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=makerequest&scenarioid=1&onum=37254515257

**Printout example:**

```
<makerequest>
  <msisdn>37254515257</msisdn>
  <software_version>8K</software_version>
  <scenario_id>1</scenario_id>
  <timestamp>2018-01-22 14:48:50</timestamp>
  <error_code>0</error_code>
  <error_text>OK</error_text>
  <result>SUCCESS</result>
</makerequest>
```

**Possible error codes:**

0- **OK** // Requested SIM card was found in Database, all checks passed, scenario was succesfully processed

1- **MSISDN not found** // Requested SIM card number was not found in Database

2- **Not allowed** // Requested scenario can't be applied to provided SIM card

3- **Scenario not found** // Requested scenario was not found in Database

4- **Request timeout** // During processing of requested scenario the timeout was reached and no response from destination received

-1- **System error** // Other errors

### 6.1.6 Perform action: Deregister EuroSIM & TravelSim New SIM card from Network (Cancel Location procedure)

NB! Please note that SIM will lose connectivity for some time (from 2min to 10hours) right after Cancel Location procedure has been initiated.

**Command=cancel_location_new**

Required parameters: **onum**

https://xml2.travelsim.com/tsim_xml/service/xmlgate?uname=XXXX&upass=XXXX&plain=1&command=cancel_location_new&onum=37254515257

**Printout example:**

```
<cancel_location_new>
  <error_code>0</error_code>
  <error_text>OK</error_text>
</cancel_location_new>
```

**Possible error codes:**

0- **OK** // Requested SIM card was found in Database, all checks passed, request was succesfully processed

1- **MSISDN not found** // Requested SIM card number was not found in Database

2- **Not allowed** // Requested command can't be applied to provided SIM card

-1- **System error** // Other errors