



# Subscription/Unsubscription/ Charging API Specification With Service Flow

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## 1. Register to Subscription based service (CP to SDP):

### 1.1 Description:

For registration in a specific group we need to call subscription.php file with certain parameter.

### 1.2 Input Parameter Description:

Parameter Name	Value	Description
<b>appid</b>	Subscription	Application Id
<b>apppass</b>	Vsdp	Application password
<b>subscriptionRoot</b>	Music	Service parent Id taken from SubscriptionGroup Table
<b>subscriptiongroupid</b>	MusciDaily	Service Id taken from SubscriptionGroup Table in which the user will be subscribed
<b>msisdn</b>	1916033678	Msisdn which will be subscribed
<b>channel</b>	Ivr	The channel name through which the user is registered. For example, IVR/Customer Care etc.

### 1.3 Input Example:

[http://10.231.0.26/subscription\\_cgwr\\_wrapper/subscription.php?appid=test&apppass=test&msisdn=1916033678&subscriptiongroupid=MusicDaily&subscriptionroot=MusciDaily&cgwenable=0&operator=BL&channel=ivr](http://10.231.0.26/subscription_cgwr_wrapper/subscription.php?appid=test&apppass=test&msisdn=1916033678&subscriptiongroupid=MusicDaily&subscriptionroot=MusciDaily&cgwenable=0&operator=BL&channel=ivr)

### 1.4 Output Parameter Description:

Status Code	Result	Requested Action
<b>0</b>	Success	
<b>1</b>	Failed, since user already registered	No need to register again
<b>2</b>	Charging failed and RegistrationRetry count is 0. So, the user will not be tried to be registered again.	
<b>3</b>	Charging Failed during Registration. Status updated to RenewalFailed. Here RegistrationRetry count is	

	greater than 0, so the user will be tried later for registration renewal.	
<b>4</b>	Failed, since user status is RenewalFailed	
<b>5</b>	Failed, since user status is RegisteredNoBalance	No need to register again but need to refill his wallet
<b>-1</b>	This service is in user block list	Before Registration user need to unblock this service from his blocking list
<b>9022</b>	Application id or password is incorrect	Give the correct applicationid and password

### 1.5 Output Example:

0

## 2. Deregister from Subscription based service (CP to SDP):

### 2.1 Description:

To deregister a user from a specific service we need to call `unsubscribe.php` with some parameter.

### 2.2 Input Parameter Description:

Parameter Name	Value	Description
<b>appid</b>	Subscription	Application Id
<b>apppass</b>	Vsdp	Application password
<b>subscriptionRoot</b>	Music	Service parent Id taken from SubscriptionGroup Table
<b>subscriptiongroupid</b>	MusciDaily	Service Id taken from SubscriptionGroup Table in which the user will be subscribed
<b>msisdn</b>	1916033678	Msisdn which will be unsubscribed
<b>channel</b>	Ivr	The channel name through which the user is registered. For example, IVR/Customer Care etc.

### 2.3 Input Example:

[http://10.231.0.26/subscription\\_cgwr\\_wrapper/unsubscription.php?appid=test&apppass=test&msisdn=1916033678&subscriptionroot=Music&cgwenable=1&operator=BL&channel=sms&smsEnable=1&ftpEnable=1](http://10.231.0.26/subscription_cgwr_wrapper/unsubscription.php?appid=test&apppass=test&msisdn=1916033678&subscriptionroot=Music&cgwenable=1&operator=BL&channel=sms&smsEnable=1&ftpEnable=1)

### 2.4 Output Parameter Description:

Status Code	Result	Requested Action
<b>0</b>	Success	
<b>1</b>	Failure	May be user already deregister from that service.no need to send request again.
<b>9022</b>	Application id or password is incorrect	Give the correct applicationid and password

### 2.5 Out Example:

0

### 3. Register to MT based service (CP to SDP):

#### 3.1 Description:

For registration in a specific group we need to call subscription.php with certain parameters.

#### 3.2 Input Parameter Description:

Parameter Name	Value	Description
<b>MSISDN</b>	1916033678	Msisdn which will be subscribed
<b>ServiceName</b>	MusicDaily	ServiceId provided by SDP to which the user will be subscribed
<b>shortcode</b>	2580	Shortcode
<b>Channel</b>	sms	The channel name through which the user is registered. For example, IVR/SMS/Customer Care etc.
<b>cpid</b>	ssdtech	Provided by SDP

#### 3.3 Input Example:

[http://10.231.0.20/subscription\\_cms\\_wrapper/subscription.php?MSISDN=%MSISDN&ServiceName=%ServiceID&Channel=%channel&shortcode=%shortcode&cpid=%cpid](http://10.231.0.20/subscription_cms_wrapper/subscription.php?MSISDN=%MSISDN&ServiceName=%ServiceID&Channel=%channel&shortcode=%shortcode&cpid=%cpid)

#### 3.4 Output Parameter Description:

Status Code	Result	Requested Action
<b>0</b>	Success	
<b>1</b>	The user already Registered in this service	No need to register again
<b>-1</b>	The user has been blocked	Before Registration user need to unblock this service from his blocking list
<b>9022</b>	Application id or password is incorrect	

#### 3.5 Output Example:

0

#### 4. Deregister from MT based service (CP to SDP):

##### 4.1 Description:

To deregister a user from a specific service we need to call `unsubscribe.php` with some parameters.

##### 4.2 Input Parameter Description:

Parameter Name	Value	Description
<b>MSISDN</b>	1916033678	Msisdn which will be unsubscribed
<b>ServiceName</b>	MusicDaily	Service Id taken from SubscriptionGroup Table in which the user will be unsubscribed
<b>Channel</b>	sms	The channel name through which the user is registered. For example, SMS/IVR etc.
<b>shortcode</b>	2580	Shortcode
<b>cpid</b>	ssdtch	Provided by SDP

##### 4.3 Input Example:

[http://10.231.0.20/subscription\\_cms\\_wrapper/unsubscription.php?MSISDN=%MSISDN&ServiceName=%ServiceID&Channel=%channel&shortcode=%shortcode&cpid=%cpid](http://10.231.0.20/subscription_cms_wrapper/unsubscription.php?MSISDN=%MSISDN&ServiceName=%ServiceID&Channel=%channel&shortcode=%shortcode&cpid=%cpid)

##### 4.4 Output Parameter Description:

Status Code	Result	Requested Action
<b>0</b>	Success	
<b>1</b>	Failed, since user already deregistered	No need to deregister again
<b>-1</b>	The user has been blocked	
<b>9022</b>	Application id or password is incorrect	

##### 4.5

##### 4.5 Output Example:

0



## 5. Charging API for MT (CP to SDP):

### 5.1 Description:

To charge before sending content to the subscribers we need to call ChargeSpecificAmount.php using below parameters.

### 5.2 Input Parameter Description:

Parameter Name	Value	Description
<b>appid</b>	test	Cpid
<b>apppass</b>	test	Cpin
<b>ano</b>	1916033678	Subscriber Mobile number
<b>bno</b>	2580	Shortcode
<b>serviceid</b>	MusicDaily	ServiceId provided by SDP to which the user will be charged
<b>subscriptiongroupid</b>	MusicDaily	Subscriptiongroupid provided by SDP to which the user will be charged
<b>tid</b>	12345678901234	Transaction ID. This is 13 to 20 digit string

### 5.3 Input Example:

`http://10.231.0.26/subscription_cgwr_wrapper/ChargeSpecificAmount.php?appid=test&apppass=test&ano=%MSISDN&bno=%shortcode&serviceid=%serviceid&subscriptiongroupid=%subscriptiongroupid&tid=%tid`

### 5.4 Output Parameter Description:

Output format will be:: TransactionID :: status code:: Description

Status Code	Description	Requested Action
0	Charging is successful or skipped	
-1	This service is in user block list	
3001	Missing Required Field	

3002	Invalid CDR ID	
1001	Not Enough Subscriber Balance	
9012	Invalid RateId because Blank Amount Returned From GetRateAndBillingNode	
9013	Invalid RateId because Blank Pulse Returned From GetRateAndBillingNode	
9021	TPS Limit Exceed	
9022	Application id or password is incorrect	
9999	Other Any kind of Error	
99999	Subscriber not registered in cms	
211	Invalid Subscriber	

#### 5.5 Output Example:

12345678901234:: 0::Charging is successful or skipped

## 6. Sync API for Subscription & Unsubscription Request:

### 6.1 Subscription Request to CP:

This is a HTTP request with get parameter in below format.

<http://CPURL?MSISDN=%MSISDN&msg=%msg&shortcode=%shortcode>

Example: `http://10.231.0.28/sample.php?MSISDN=88019XXXXXXX&msg=START  
ABC&shortcode=2580`

### 6.2 Un-subscription Request to CP:

This is a HTTP request with get parameter in below format.

<http://CPURL?MSISDN=%MSISDN&msg=%msg&shortcode=%shortcode>

Example: `http://10.231.0.28/sample.php?MSISDN=88019XXXXXXX&msg=STOP  
ABC&shortcode`

## 7. Sync API for Renewal Request:

### 7.1 Sync API for Renewal Info Request to CP:

This is a HTTP request with get parameter in below format.

<http://CPURL?MSISDN=19XXXXXX&ServiceName=%ServiceID&FromState=%FromState&ToState=%ToState&NextRenewalDate=%NextRenewalDate&ExpiryDate=%ExpiryDate>

Example: `http://10.231.0.28/sample.php?MSISDN=19XXXXXXX&ServiceName=ServiceID&FromState=Registered&ToState=Deregistered&NextRenewalDate=2015-09-20&ExpiryDate=2015-09-20`

Here State can be –

“Registered”

“Deregistered”

“InGracePeriod”

## 8. Service Flow:

### 8.1 SMS Service Flow

