1. **Subscription Setup – including a first payment**

    1. Client redirects Subscriber(-Browsers) to Widget URL (Client adds all necessary parameters to the redirect URL).
    2. Provider executed the whole payment process including authorization and capturing and creates a subscription.
    3. Provider redirects the subscriber to a given redirect URL. The redirect URL contains all necessary parameters a client needs.

    Positive result
    5. Client will perform the delivery of service

    Negative result
    6. Client informs the subscriber that the transaction failed

2. **Subscription terminate – (terminating a subscription)**
    1. Client sends "subscriptionterminate" request.
    2. Provider executes subscription termination.
    3. Provider answers with a subscriptionterminate response.

3.   **HTTP forward**

A client must send username and hash code with every redirect. The hash code is used sign all parameter values.

The hash is created using the MD5 algorithm

md5(Password+Parametervalue1+Parametervalue2+Parametervalue3…)

+ (plus) stands for the concatenation of the parameter values encoded in UTF-8 (NOT URL-encoded)

NOTE: The order of the values is important and has to follow the order how the parameters are specified in this document.

HTTP forward:

{{consentUrl}}?username={username}
&clientid={clientid}
&serviceid={serviceid}
&contentclass={contentclass}
&description={description}
&clienttransactionid={clienttransactionid}
&amount={amount}
&callbackurl={callbackurl}
&subscriptionid={subscriptionid}
&subscriptiondescription={subscriptiondescription}
&subscriptioninterval={subscriptioninterval}
&timestamp={timestamp}
&hash={md5hashcode}

Parameter

IN/OUT	Name	Presence	Format	Description
IN	username	mandatory	^[-a-zA-Z0-9_]{10,30}$	Clients username provided by provider
IN	clientid	mandatory	^[0-9]{5}$	clientid provided by provider
IN	serviceid	mandatory	^[0-9]{5}$	serviceid provided by provider
IN	contentclass	mandatory	^[0-9]{1,2}$	contentclass (see list)
IN	description	mandatory	^.{1,100}$	Description of content

IN	clienttransactionid	mandatory	^[-a-zA-Z0-9_]{1,95}$	Unique transaction id created by the client
IN	amount	mandatory	^[1-9]{1}[0-9]{0,4}$	amount in EUR Cent
IN	callbackurl	mandatory	^http.{12,150}$	URL provider uses to redirect the subscriber to after payment process is finished
IN	subscriptionId	mandatory	^[a-zA-Z0-9]{1,32}$	unique subscriptionId created by the client
IN	subscription description	mandatory	^[a-zA-Z0-9 \.,!?\-]{1,20}$	Description of this subscription
IN	subscriptioninterval	mandatory	^[0-9]{1,3}$	Interval between two (planned) followup payments in days
IN	timestamp	mandatory	^[2]**{1}**[0]**{1}**[0-2]**{1}**[0-9]**{1}**[-]**{1}**(([0]**{1}**[0-9]**{1}**)|([1]**{1}**[0-2]**{1}**))[-]**{1}**[0-3]**{1}**[0-9]**{1}**[T]**{1}**[0-2]**{1}**[0-9]**{1}**[:]**{1}**[0-5]**{1}**[0-9]**{1}**[:]**{1}**[0-5]**{1}**[0-9]**{1}**[.]**{1}**[0-9]**{3}**[Z]**{1}**$ Format: YYYY-MM-DDTHH:MM:SS.mmmZ Beispiel: 2009-01-01T10:00:00.000Z	Timestamp
IN	hash	mandatory	^[a-zA-Z0-9]**{32}**$	See „client authentication"

4. **Callback**

HTTP forward:

https://{callbackurl}?
transactionid={transactionid}
&clienttransactionid={clienttransactionid}
&responsecode={responsecode}
&description={description}
&subscriberid={subscriberid}
&operatorid={operatorid}
&timestamp={timestamp}
&subscriptionid={subscriptionid}
&hash={md5hashcode}

Parameter

Request/ Response	Name	Presence	Format	Description
Request	transactionid	mandatory	^[0-9]{1,10}$	provider transactionid
Request	clienttransactionid	mandatory	^[-a-zA-Z0-9_]{1,95}$	Unique transaction id created by the client

Request	responsecode	mandatory	^[0-9]{1,6}$	0=OK … (siehe Liste Responsecodes)
Request	description	mandatory	^.{1,100}$	Responsecode Description
Request	subscriberid	mandatory	(^491[5-7]{1}[0-9]{8,9}$)|(^I_Token$)|(^I_.{20,500}$)	Subscribers mobile number or „I_Token" for anonymous token based transactions
Request	operatorid	mandatory	^[-0-9a-zA-Z]{1-20}$	operator see list

Request	timestamp	mandatory	^[2]{1}[0]{1}[0-2]{1}[0-9]{1}[-]{1}(([0]{1}[0-9]{1})|([1]{1}[0-2]{1}))[-]{1}[0-3]{1}[0-9]{1}[T]{1}[0-2]{1}[0-9]{1}[:]{1}[0-5]{1}[0-9]{1}[:]{1}[0-5]{1}[0-9]{1}[.]{1}[0-9]{3}[Z]{1}$ Format: YYYY-MM-DDTHH:MM:SS.mmmZ Beispiel: 2009-01-01T10:00:00.000Z	Timestamp
Request	subscriptionid	mandatory	^[a-zA-Z0-9]{1,32}$	Unique subscription id created by the client
Request	hash	mandatory	^[a-zA-Z0-9]{32}$	See „client authentication"

5.   Terminate subscription

Subscription terminate request (HTTP GET/POST):

{{billingUrl}}?subscriptionid
={subscriptionid}
&username={username}
&clientid={clientid}
&password={md5(password)}
&serviceid={serviceid}
&clienttransactionid={clienttransactionid}
&reason={reason}
&subscriberid={subscriberid}
&do=subscriptionterminate
&callbackurl={callbackurl}
&ordertype=web
&timestamp={timestamp}

Subscription terminate response (HTTP GET/POST):

HTTP/1.1 200 OK
Content-Length: {content length}

responsecode={responsecode}
&description={description}
&transactionid={ transactionid }
&timestamp={timestamp}

Parameter				
IN/OUT	Name	Presence	Format	Description
IN	subscriptionid	mandatory	^[a-zA-Z0-9]{1,32}$	subscriptionid of subscription
IN	username	mandatory	^[-a-zA-Z0-9_]{10,30}$	username provided by provider
IN	clientid	mandatory	^[0-9]{5}$	clientid provided by provider
IN	password md5 encrypted	mandatory	^[a-zA-Z0-9]{32}$	md5 encrypted password
IN	serviceid	mandatory	^[0-9]{5}$	serviceid provided by provider
IN	clienttransactionid	mandatory	^[-a-zA-Z0-9_]{1,95}$	Unique transaction id created by the client
IN	reason	mandatory	^[-_*+()&!?:.;,&öäüÄÖÜß\sa-zA-Z0-9]{1,100}$	Reason for this termination
IN	subscriberid	mandatory	^491[5-7]{1}[0-9]{8,9}$\|(^I_.{20,500}$)	subscribers mobile number
IN	do	mandatory	^subscriptionterminate$	String "subscriptionterminate"
IN	callbackurl	mandatory	^http.{12,150}$	URL provider uses to sendcallback to
IN	ordertype	mandatory	^web|wap$	Ordertype der Subscription.
IN	timestamp	mandatory	^[2]{1}[0]{1}[0-2]{1}[0-9]{1}[-]{1}(([0]{1}[0-9]{1})|([1]{1}[0-2]{1}))[-]{1}[0-3]{1}[0-9]{1}[T]{1}[0-2]{1}[0-9]{1}[:]{1}[0-5]{1}[0-	Timestamp

			9]{1}[:]{1}[0-5]{1}[0-9]{1}[.]{1}[0-9]{3}[Z]{1}$ Format: YYYY-MM-DDTHH:MM:SS.mmmZ Beispiel: 2009-01-01T10:00:00.000Z	
OUT	responsecode	mandatory	^[0-9]{1,6}$	0=OK … (see list)
OUT	description	mandatory	^.{1,100}$	Responsecode Description
OUT	transactionid	mandatory	^[0-9]{1,10}$	provider transactionid
OUT	timestamp	mandatory	^[2]{1}[0]{1}[0-2]{1}[0-9]{1}[-]{1}(([0]{1}[0-9]{1})|([1]{1}[0-2]{1}))[-]{1}[0-3]{1}[0-9]{1}[T]{1}[0-2]{1}[0-9]{1}[:]{1}[0-5]{1}[0-9]{1}[:]{1}[0-5]{1}[0-9]{1}[.]{1}[0-9]{3}[Z]{1}$ Format: YYYY-MM-DDTHH:MM:SS.mmmZ Beispiel: 2009-01-01T10:00:00.000Z	Timestamp

6.   **ResponsesCode**

Statuscode	Description
0	OK
1	KO
2	subscriber already has an active subscription
3	subscriber aborted transaction

7. **Notifications**

Transaction format **:**

notificationUrl ?transactionid={transactionid} &clienttransactionid={clienttransactionid} &status={statusnow} &timestamp={timestamp} &hash={hash
Hash format :
        Transaction notification : md5(password+ transactionid +clienttransactionid+ status + timestamp)

Offline subscription format :

notificationUrl ?subscriptionid={subscriptionid} &subscriberId={subscriberId}&skuId={skuId} &timestamp={timestamp}

8. **Status**

Status	Name	Description
0	ACTIVATED	Subscription is active.
1	TERMINATED	Subscription is terminated