



Click&Buy Event Messaging Service

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Click&Buy Event Messaging Service

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I EMS - Event Messaging Service

I.1 Offer Administration – Event Messaging Service

The Event Messaging Service ensures that you, as a merchant, receive notification about important changes, also called "events". These events occur at various stages during the use of the Click&Buy system and include things like the payment status of a transaction, the status of your subscriptions, affiliate relationships etc.

The Event Messaging Service provides XML formatted reports of events. The Click&Buy system can send (Push) XML formatted reports at regular intervals to a location specified by you. Alternatively, the XML reports can be retrieved on-demand by HTTPS using the SOAP interfaces (Pull).

Note: The Event Messaging Service is a near-real-time reporting system. The event data is usually available within approx. 5 min. of the event occurring. In some cases, however, it may also take up to 12 h.

Note: The Event Messaging Service interface documentation is intended for administrators and developers. Basic knowledge of XML and SOAP is assumed.

I.1.1 Events

Events are generated by particular customer or merchant actions.

The Click&Buy system distinguishes between the following events:

- Event-interface-related events (cf. section I.1.1.1, page 3)
- BDR (billing data record) events (cf. section I.1.1.2, page 4)
- Affiliate events (cf. section I.1.1.3, page 7)
- Subscription events (cf. section I.1.1.4, page 8)
- Easy Collect Authorization events (cf. section I.1.1.5, page 10)
- Group events (cf. section I.1.1.6, page 11)

For detailed information about the transferred data, please refer to section I.1.3, page 15ff.

I.1.1.1 Event-Interface-related Events

The following conditions can occur if the Event Messaging Service is enabled, if the Event Messaging Service is switched or disabled:

- Enable Push Interface
- Enable Pull Interface
- Switch Event Messaging Service from push to pull
- Switch Event Messaging Service from pull to push
- Switch Event Messaging Service off

You can find the corresponding XML feeds in section I.1.3.2.1, page 23ff.

I.1.1.2 BDR Events

Each payment is based on a BDR. A BDR contains detailed payment and status information. The following BDR Events are reported:

Table I-1 BDR Events

action =	explanation
created	Purchase event if the user made a purchase on the merchant site.
cancelled	Cancellation, in the case of a cancellation of a transaction.
charge back	Payment unsuccessful so the user has the status "payment in arrears".
charge back lifted	Another payment was initiated. The failed payment could be collected.
booked-out	The Click&Buy user is booked out of the system, i.e., the membership is terminated. (At that point the BDR amount is charged back to the merchant account)
BDR to collection agency	The Click&Buy user's BDR is transferred to the collection agency. (Merchant has to be activated for this; only available in certain countries)
booked-in	The payment in arrears has been settled by the user after prior book out.
BDR successfully collected from collection agency	The collection agency has collected the payments.
BDR not collected from collection agency	The collection agency could not recover the outstanding payments.

The order of the BDR events is shown in fig. I-2, page 6. You can find the corresponding XML feeds in section I.1.3.2.6, page 25ff.

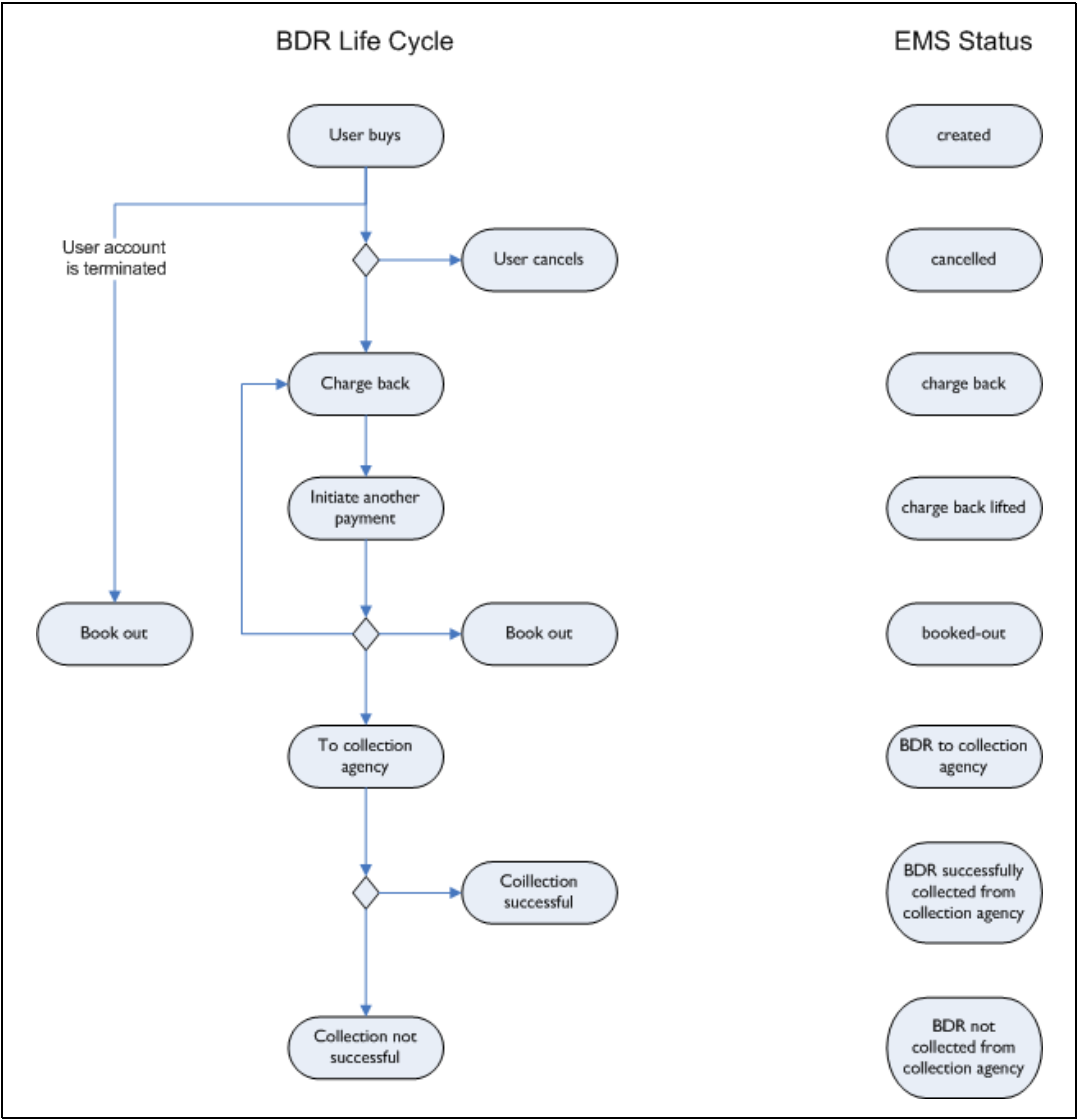


Fig. 1-1 BDR Life Cycle

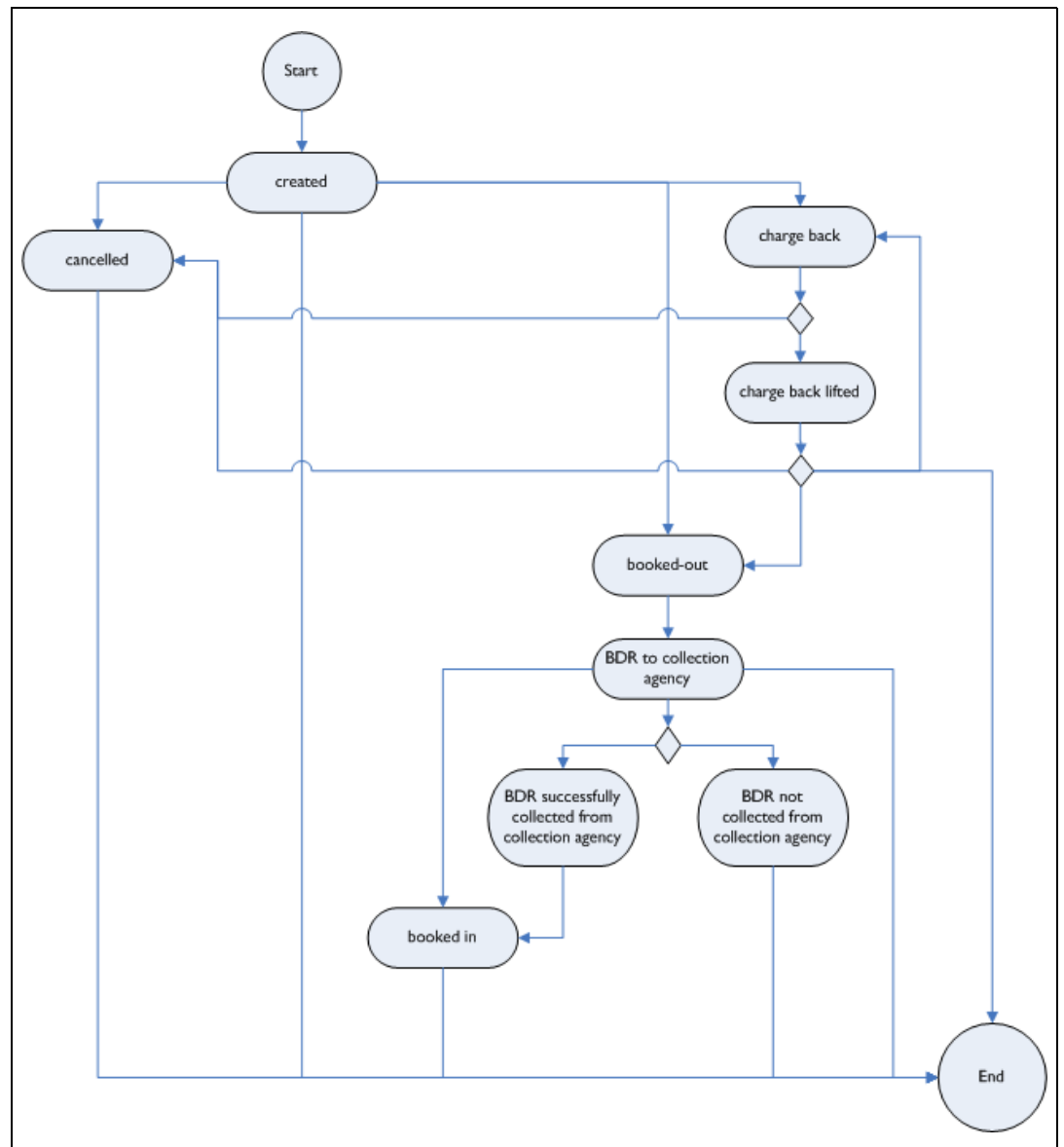


Fig. I-2 BDR-Event activity diagram

1.1.1.3 Affiliate Events

These events are generated only for the traffic provider in an affiliate relationship. They include data relevant for billing purposes in an affiliate relationship and are based on BDR events.

The following events can occur:

- Affiliate created
- Affiliate cancelled
- Affiliate booked-out

Table 1-2 Affiliate Events

action =	explanation
created	Affiliate purchase created.
cancelled	Affiliate purchase cancelled.
booked-out	Affiliate purchase booked-out.

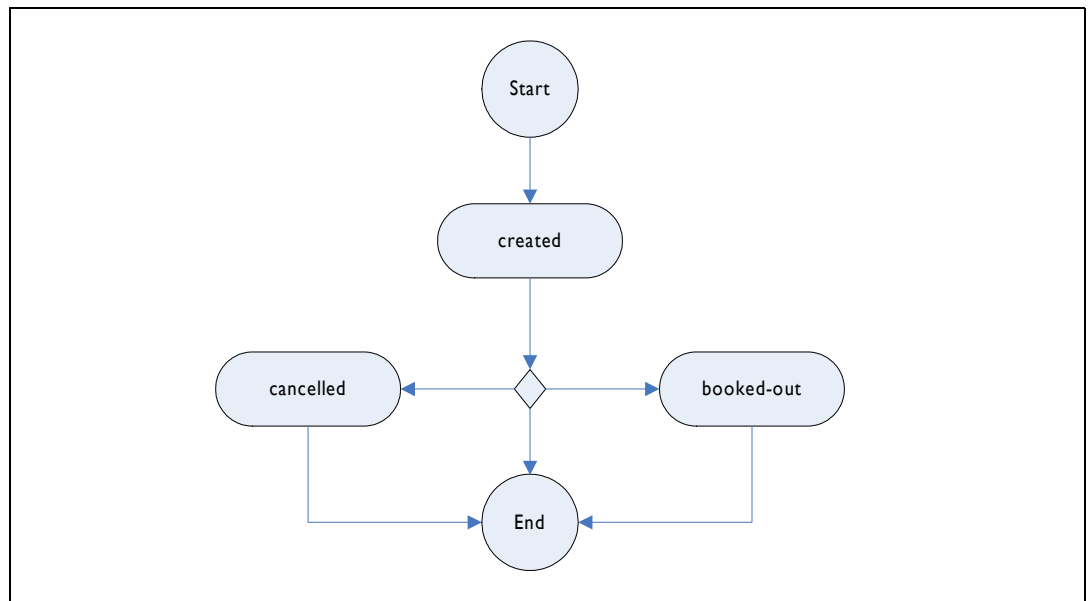


Fig. 1-3 Affiliate Events activity diagram

You can find the corresponding XML feeds in section 1.1.3.2.15, page 34ff.



1.1.1.4 Subscription Events

Subscription events are generated as soon as a subscription is purchased, cancelled, or terminated by a user.

The following events can occur:

- Subscription activated
- Subscription cancelled
- Subscription terminated
- Subscription ended
- Subscription recurring
- Subscription blocked
- Subscription unblocked

Table 1-3 Subscription Events

action =	explanation
activated	Subscription has been purchased.
cancelled	Subscription has been cancelled.
terminated	The user has terminated the subscription.
ended	Subscription has expired.
recurring	Subscription has been extended. (BDR Event is sent <action> created </action>)
blocked	Subscription is blocked if user is in arrears of payment or if user has status locked. (BDR Event is sent, <action>Charge Back</action>)
unblocked	User has settled the payment in arrears, subscription is active again. (BDR Event is transferred, <action>Charge Back Lifted</action>)

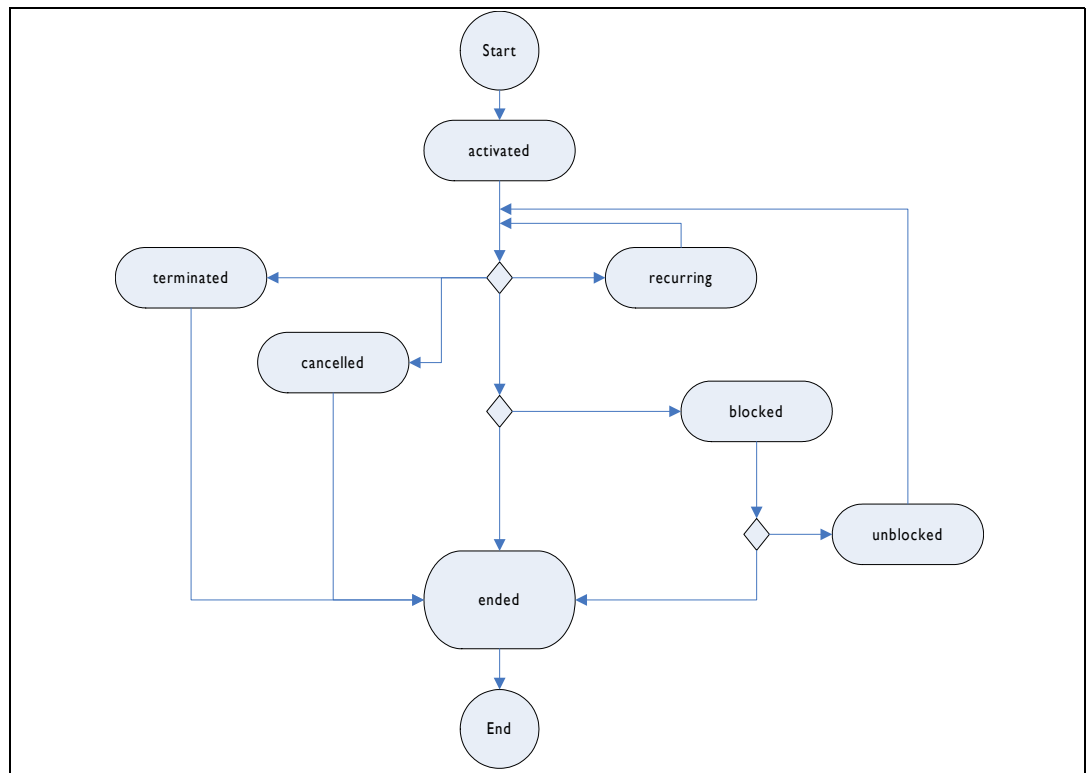


Fig. I-4 Subscription Events activity diagram

You can find the corresponding XML feeds in section I.1.3.2.18, page 37ff.

I.1.1.5 Easy Collect Authorization Events

A user can authorize you to debit his account via Easy Collect.

The following events can occur:

- Easy Collect Authorization granted
- Easy Collect Authorization cancelled

Table I-4 Easy Collect Authorization Events

action =	explanation
granted	Easy Collect authorized.
cancelled	Easy Collect Authorization cancelled.

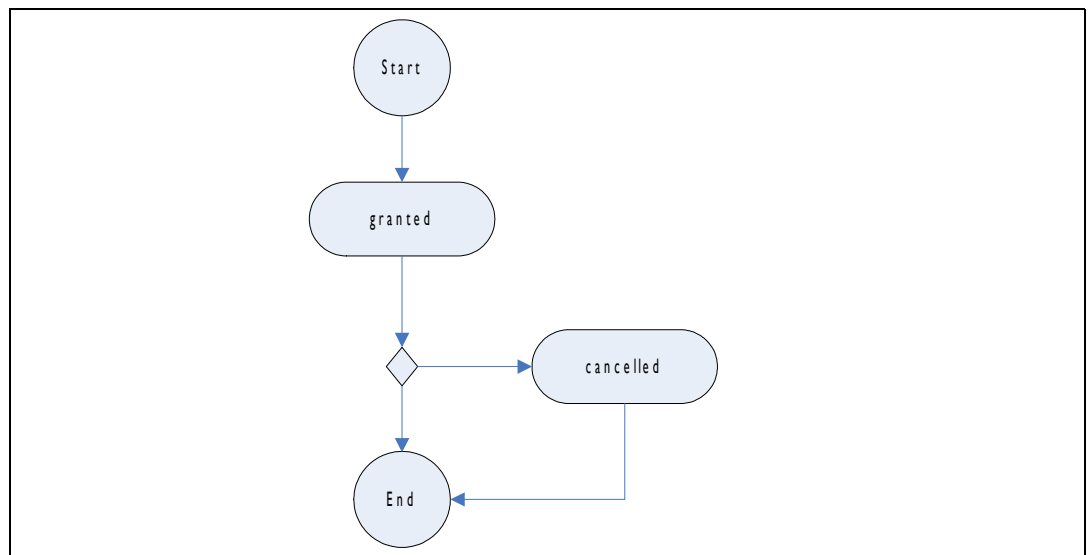


Fig. I-5 Easy Collect Authorization Events activity diagram

You can find the corresponding XML feeds in section I.1.3.2.25, page 44ff.

1.1.1.6 Group Events

Merchants can create groups of users. Changes within such groups are events. The following events can occur:

- Customer added to group
- Customer removed from group

Table 1-5 Group Events

action =	explanation
added	User has been added to group.
removed	User has been removed from group.

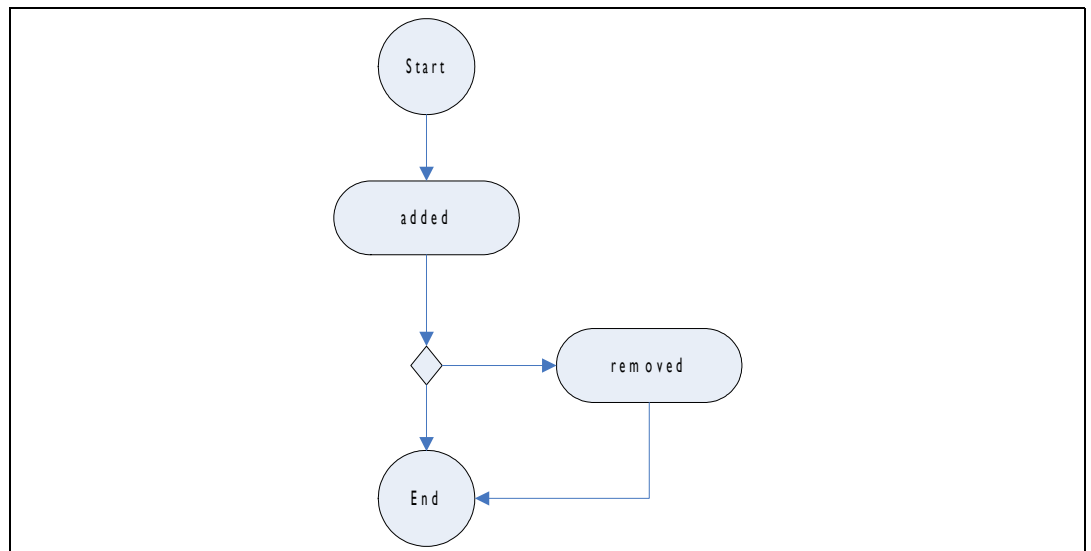


Fig. 1-6 Group Events activity diagram

You can find the corresponding XML feeds in section 1.1.3.2.28, page 47ff.

1.1.1.7 Customer Data

If a user consents to provide his personal data, the relevant event will provide such customer data. A customer data event might be sent after a customer purchase transaction or a customer registration, depending on the individual merchant settings.

You can find the corresponding XML feed in section 1.1.3.2.27, page 46.

1.1.2 Description of the Interface

1.1.2.1 General

The Event Messaging Service interfaces comply with the specifications of the W3C Consortium and transfer XML structures via HTTPS.

Two DTDs are located on the Web server. One serves to validate the XML files made available via the Push interface, and the other to validate the XMLs retrieved via the Pull interface.

We strongly advise against downloading the DTD and storing it locally for validation purposes. A correct validation of the XML can only be guaranteed when using the DTD provided by us online.

You will find the DTD (Push interface, cf. section 1.1.3.3, page 49) at the following link:
[http://ems.\[system-id\].clickandbuy.com/dtd/push_event.dtd](http://ems.[system-id].clickandbuy.com/dtd/push_event.dtd)

- `system-ID->` The system ID in the URL is the ISO 2-letter country code; EU for all the euro-zone countries, US for the United States, UK for the United Kingdom, etc. Please ask your customer service representative for your system ID.

Note: Events are deleted after 30 days and can then no longer be given out or retrieved.

1.1.2.2 Documented Errors

When using the Pull Service of the Event Messaging Service, the following errors can occur.

- 0 = general error
- 1 = user not found
- 2 = username/password don't match
- 3 = no events found for this selection criteria
- 4 = technical error, please contact Click&Buy
- 5 = missing values
- 6 = datetime error



1.1.2.3 Pushing Data

In order to use the Event Messaging Service's push interface, the merchant must provide a URL where the push interface can place its data. The URL should point to a script that can process the XML structure transferred in the XML parameter. That parameter is transferred using the POST method.

A URL of this kind looks like this:

```
https://www.merchantdomain.com/merchantscript.php
```

Every time an event occurs in the system, it is processed by the Event Messaging Service and moved to the merchant's specified push URL.

If the event cannot be delivered, the data transfer is repeated 10 times. After that, the system will attempt to send the events once every 24 hours. If that also should fail, a warning email message is sent to the merchant informing him of this failure.

If an event cannot be delivered, the Event Messaging Service will stop sending further events until the failed event has been successfully received by the merchant.

1.1.2.4 Pulling Events

The Event Messaging Service provides a SOAP pull interface.

Each time an event occurs in the system, it is processed by the Event Messaging Service and collected for the merchant to which it refers. It can then be requested using one of the pull interfaces. Retrieval is done securely using HTTPS.

Events are available immediately after the Event Messaging Service has first been initiated. However, the Event Messaging Service cannot deliver events which took place prior to the initiation of the service by the merchant.

The maximum number of events that can be requested at once is 1000.

Every event can be identified by its ID, ie. it can be requested directly using its event ID.

If a merchant wants to use the Event Messaging Service's SOAP interface, the wsdl file describing the interface is located at:

`http://wsdl.[system-id].clickandbuy.com/EMS/1.0/EMSbinding.wsdl`

- `system-ID->` The system ID in the URL is the ISO 2-letter country code; EU for all the euro-zone countries, US for the United States, UK for the United Kingdom, etc. Please ask your customer service representative for your system ID.

The SOAP interface includes the following methods:

- `getUndeliveredEventsAsXML`
- `getEventsByDateTimeAsXML`
- `getEventsByIDsAsXML`

Table 1-6 Method for Interface: TransactionManager.EventMessaging - `getUndeliveredEventsAsXML`

getUndeliveredEventsAsXML

	name	type	format	description
input	sellerID	long	Automatically generated by the system, in range: 0, 12678967543233	This is your account number. It identifies you uniquely in the Click&Buy system. You can find your Seller ID in the service area under "Profile Data".
	tmPassword	string	ISO 8859-1, minimum 6, maximum 10 characters	The Transaction Manager password is required for all transactions and status queries that are submitted via the Transaction Manager in the service area or directly via the Transaction Manager Interface.
output		string		XML output
exception		TransactionManager.EventMessaging.EventMessagingException		

Table 1-7 Method for Interface: TransactionManager.EventMessaging - *getEventsByDateTimeAsXML***getEventsByDateTimeAsXML**

	name	type	format	description
input	sellerID	long	Automatically generated by the system, in range: 0, 12678967543233	This is your account number. It identifies you uniquely in the Click&Buy system. You can find your Seller ID in the service area under "Profile Data".
	tmPassword	string	ISO 8859-1, minimum 6, maximum 10 characters	The Transaction Manager password is required for all transactions and status queries that are submitted via the Transaction Manager in the service area or directly via the Transaction Manager Interface.
	fromDateTime	dateTime	According to the following XML scheme: http://www.w3.org/2001/XMLSchema	Start date and time.
	toDateTime	dateTime	According to the following XML scheme: http://www.w3.org/2001/XMLSchema	End date and time.
output		string		XML output
exception		TransactionManager.EventMessaging.EventMessagingException		

Table 1-8 Method for Interface: TransactionManager.EventMessaging - *getEventsByIDAsXML***getEventsByIDAsXML**

	name	type	format	description
input	sellerID	long	Automatically generated by the system, in range: 0, 12678967543233	This is your account number. It identifies you uniquely in the Click&Buy system. You can find your Seller ID in the service area under "Profile Data".
	tmPassword	string	ISO 8859-1, minimum 6, maximum 10 characters	The Transaction Manager password is required for all transactions and status queries that are submitted via the Transaction Manager in the service area or directly via the Transaction Manager Interface.
	fromID	long	In range long: 0, 12678967543233	First event ID.
	toID	long	In range long: 0, 12678967543233	Last event ID.
output		string		XML output
exception		TransactionManager.EventMessaging.EventMessagingException		

You can find the corresponding XML feed in section , page 48.

1.1.3 XML Structure



1.1.3.1 Transferred Data

This section describes the event data transferred via XML.

The HEADER block XML files which are made available via the Pull interface have a HEADER block containing the send date of the event, as well as the number of events referred to in the XML file.

The EVENT-DATA block XML files which are made available via both Push and Pull interface have an EVENT-DATA block. This block contains all the information and is itself subdivided into two blocks:

- the “global” block
- the “event data” block

The global block contains summary information about the event:

- an event ID
- the user’s customer reference number
- the creation date of the event
- a system ID

The “event data” block contains detailed information about the event created. The following chapters describe the data delivered.

All the possible XML files that could be sent are listed in the following section.

1.1.3.1.1 Event Messaging Service Data

- action (pull/ push/ off) [char]
- push url (URL events are pushed to - optional) [char]



1.1.3.1.2 BDR Data

Table 1-9 BDR data and DTD elements

DTD element	BDR data	Explanation
bdr-id	BDR id [numeric]	This parameter – short for Billing Data Record – is a unique identifier issued internally within the system for each transaction.
action	Action (created/ cancelled/ charge back/ charge back lifted/ booked out/ booked-in/ BDR to collection agency/ BDR successfully collected from collection agency/ BDR not collected from collection agency) [char]	This parameter classifies the Event.
link-nr	Link number [numeric]	The link number is a unique, numeric identifier of a link to an offer, created automatically by the system when the link is set up. The Easy Collect ID is a special form of the link number.
price	Price (x 100) [numeric]	The actual price of a transaction in cents in the merchant's currency.
currency	Currency [char]	Indicates the merchant's currency of the transaction. All of the ISO 4217 codes may be used for the representation of currencies.
vat	VAT (x 100) [numeric]	VAT = 1600 means that the tax rate is 16 %.
vat-amt	VAT amount (x 100) [numeric]	VAT amount = 100 means that the tax amount is 1 Euro.
vat2	VAT2 (x 100 – optional) [numeric]	VAT2 is necessary if two different tax rates are used.
link-name	Link name [char]	The Link Name is the static counterpart to the UrlInfo parameter and serves to describe the offer. The name is defined in the service area when a link is set up, and it will appear in the billing documents and in the reports (CSV files and Event Messaging Service).
subsidy-amt	amount of subsidy offer (optional) [numeric]	This parameter describes the discount applied to a transaction.
annotation	annotation (optional) [char]	In the case of a cancellation, the parameter "annotation" will have one of the values shown in table 1-10 on page 19
yearofbirth	yearofbirth [numeric]	This is the year of birth of the user.
gender	gender [char]	This is the gender of the user.
state	state [char]	This is the state of the user (only relevant for US).
zip	zip [numeric]	This is the ZIP code of the user.
country	country [char]	This is the country of the user.
adtl-url-info	Additional URL Info (optional) [char]	Returns a text string. This parameter is equivalent to the URLInfo parameter.
adtl-bdr-info	Additional BDR Info (optional) [char]	Indicates the BDR-Type.
click-url	click url (optional) [char]	Returns the exact URL that a customer clicked.
affiliate-id	Affiliate ID (optional) [numeric]	This parameter is displayed if the transaction was generated as part of an affiliate relationship.



Table I-9 BDR data and DTD elements

DTD element	BDR data	Explanation
BDRType	BDR Type (optional) [char]	This parameter classifies the transaction (Subscription, e-commerce, transaction, etc.)
billedAmount	Price (x 100 - optional) [numeric]	The actual price of a transaction in cents in the link currency.
billedCurrency	Currency (optional) [char]	Indicates the link currency of the transaction. All of the ISO 4217 codes may be used for the representation of currencies.
BookoutDateTime	Book out Date Time (optional) [numeric]	This parameter indicates the date and time at which Click&Buy wrote off an uncollected receivable and returned it to the merchant.
BookinDateTime	Book in Date Time (optional) [numeric]	This parameter can only be present if a transaction was previously written off in the system. It denotes the date and time at which outstanding amounts that had been written off were subsequently successfully collected.
CollectionAgencyStatusDateTime	Collection Agency Status Date Time (optional) [numeric]	This parameter indicates the date and time at which a receivable from a transaction was handed over to the collection agency.
creationDateTime	creation Date Time (optional) [numeric]	Indicates the date and time at which a BDR was created.
externalBDRID	external BDR ID (optional) [numeric]	This is a unique ID, created by you, that you can choose to supply for every payment transaction.
externalCancelID	external Cancel ID (optional) [numeric]	This is a unique ID, created by you, that you can choose to supply in order to identify cancellations you submitted.
extJobID	external Job ID (optional) [numeric]	This is an ID, created by you, that you can choose to supply for every job.
internalContentDescription	internal Content Description (optional) [char]	The Internal Content Description parameter allows you to specify an alternate description for your content, to be used only for reporting purposes (CSV files and Event Messaging Service), that does not appear on the customer's invoice.
InvoiceDateTime	Invoice Date Time (optional) [numeric]	Indicates the date and time of the invoice issued to bill the transaction.
InvoiceNumber	Invoice Number (optional) [numeric]	Indicates the number of the invoice issued to bill the transaction.
noVat	no Vat (optional) [YES oder No]	If a BDR carries the "noVat" parameter, the BDR will be presented on billing documents that do not show tax.
subscription-id	Subscription ID (optional) [numeric]	The Subscription ID is a unique identifier issued internally within the system for each customer subscription.
TransactionType	Transaction Type (optional) [char]	This parameter can be "debit" or "credit".



Table I-10 Annotations "Cancellation of a BDR"

ID	Cancellation reason	Category
1	Error 404 (merchant failure)	standard
2	Error 500 (Skript failure)	standard
3	Download didn't start ("please wait" message doesn't disappear)	standard
4	Download broke off (during download, PC crashed, line was cut off, ...)	standard
5	Download defective/ not complete (complete download wasn't possible)	standard
6	Booked twice (Surfer accidentally clicked twice)	standard
7	Subscription had already been canceled before revolving. (Customer had canceled by mail in time, mail has not been processed by call center)	standard
8	Service unusable (Login to merchant's service member area doesn't work, ...)	standard
9	Received no login data from merchant per mail	standard
10	Software requirements were not accomplished (Surfer doesn't have realplayer, single files can not be opened, can not unzip files, ...)	standard
11	Test-Purchase	standard
12	In arrangement with the seller	standard
13	In case of abuse	standard
14	The customer made use of his fortnightly right of withdrawal	standard
15	No reaction of the seller on the request for cancellation	standard
16	The content is not consistent with the offer	standard
17	The offer is not up to date	standard
18	Merchant cancelled BDR via the Transaction Manager Interface	standard
1000	Call Center agent does not approve transaction	ecommerce
1001	Merchant cannot deliver the goods	ecommerce

Additional data added when BDR was charged back – optional:

Table I-11 Additional BDR data and DTD element

DTD element	Additional customer data
gender	Gender [char]
first-name	First name [char]
last-name	Last name [char]
yearofbirth	year of birth [numeric]
street	Street (optional) [char]
zip	Zip (optional) [numeric]
city	City (optional) [char]
country	Country [char] [numeric]



1.1.3.1.3 Affiliate Data (Traffic Provider)

Table 1-12 Affiliate data (Traffic Provider) and DTD elements

DTD element	Affiliate Data (Traffic Provider)	Explanation
bdr-id	BDR ID [numeric]	This parameter – short for Billing Data Record – is a unique identifier issued internally within the system for each transaction.
action	Action (created/ cancelled/ booked out) [char]	This parameter classifies the Event.
price	Price (x 100) [numeric]	The actual price of a transaction in cents in the link currency.
currency	Currency [char]	Indicates the link currency of the transaction. All of the ISO 4217 codes may be used for the representation of currencies.
affiliate-id	Affiliate ID [numeric]	This parameter is displayed if the transaction was generated as part of an affiliate relationship.
link-nr	Link number [numeric]	The link number is a unique, numeric identifier of a link to an offer, created automatically by the system when the link is set up. The Easy Collect ID is a special form of the link number.
link-name	Link name [char]	The Link Name is the static counterpart to the UrlInfo parameter and serves to describe the offer. The name is defined in the service area when a link is set up, and it will appear in the billing documents and in the reports (CSV files and Event Messaging Service).
annotation	Annotation (optional) [char]	In the case of a cancellation, the parameter “annotation” will have one of the values shown in table 1-10 on page 19.



1.1.3.1.4 Subscription Data

Table 1-13 Subscription data and DTD elements

DTD element	Subscription data	Explanation
subscription-id	Subscription id [numeric]	The Subscription ID is a unique identifier issued internally within the system for each customer subscription.
price	Price (x 100) (optional) [numeric]	The actual price of a transaction in cents in the link currency.
currency	Currency [char]	Indicates the link currency of the transaction. All of the ISO 4217 codes may be used for the representation of currencies.
start-date	Start date [date (YYYYMMDDhhmmss)]	This is the start date of the subscription.
end-date	End date (optional) [date (YYYYMMDDhhmmss)]	This is the end date of the subscription.
termination-date	Termination date (optional) [date (YYYYMMDDhhmmss)]	This is the termination date of the subscription.
termination-reason	Termination reason (expired/ regular/ bdr_cancelled/ pay_problem/ cust_cancelled – optional) [char]	This is the termination reason.
action	Action (activated/ cancelled/ terminated/ ended/ recurring/ blocked/ unblocked) [char]	This parameter classifies the Event.
external-id	External Subscription ID (optional) [char]	This is a unique ID, created by you, that you can choose to supply for every payment transaction.
sub-def-name	Subscription Definition Name [char]	Name of subscription.
fee-number	Fee number [numeric]	The number of the current fee.
affiliate-id	Affiliate ID (optional) [numeric]	This parameter is displayed if the transaction was generated as part of an affiliate relationship.
click-url	Click-URL [char]	Returns the exact URL that a customer clicked.

Additional Customer Data (optional):

Table 1-14 Additional customer data and DTD elements

DTD element	Additional customer data
gender	Gender [char]
first-name	First name [char]
last-name	Last name [char]
yearofbirth	year of birth [numeric]
street	Street (optional) [char]
zip	Zip (optional) [numeric]
city	City (optional) [char]
country	Country [char] [numeric]



1.1.3.1.5 Easy Collect Authorization Data

Table 1-15 Easy Collect Authorization data and DTD elements

DTD element	Easy Collect Authorization data	Explanation
action	Action (granted/ cancelled) [char]	This parameter classifies the Event.
grant-date	Original authorization date [date (YYYYMMDDhhmmss)]	This parameter indicates the authorization date and time.
domain-id	Domain id [numeric]	Indicates the domain ID, which the authorization refers to.

1.1.3.1.6 Group Data

Table 1-16 Group data and DTD elements

DTD element	Group data	Explanation
group-name	Group name [char]	This parameter represents the name of the group.
group-id	Group id [numeric]	This parameter represents a unique ID which the system automatically generates when a new group has been created.
action	Action (added/ removed) [char]	This parameter classifies the Event.
crn	Customer reference number	This is a unique identifier for a Click&Buy customer.

1.1.3.1.7 Customer Data

Table 1-17 Customer data and DTD elements

DTD element	Customer data
gender	Gender [char]
first-name	Fist name [char]
last-name	Last name [char]
street	Street (optional) [char]
zip	Zip (optional) [numeric]
city	City (optional) [numeric]
country	Country [char]
state	State (optional) [char]
email	Email (optional) [char]
phone	Phone (optional) [numeric]

1.1.3.1.8 Error Messages

Table 1-18 Error messages and DTD elements

DTD element	Error messages
error-id	error id [numeric]
error-description	error message [char]

1.1.3.2 Examples

The following are examples of XML files sent to a merchant.

1.1.3.2.1 Messaging Service Event, enable Push Interface

Note The URL listed under parameter of “Push-URL“ is your event receiver URL, which is stored at Click&Buy system by the account manager when enabling the Event Messaging Service.

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
<EVENT-DATA>
  <GLOBAL>
    <event-id>2-000000</event-id>
    <datetime>20050302200510</datetime>
    <systemID>1</systemID>
  </GLOBAL>
  <EVENT-SWITCH>
    <action>push</action>
    <push-url>https://push.merchant-url.de</push-url>
  </EVENT-SWITCH>
</EVENT-DATA>
```

1.1.3.2.2 Messaging Service Event, enable Pull Interface

Note When activating the pull-interface no value is transmitted to the parameter <push-url>.

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
<EVENT-DATA>
  <GLOBAL>
    <event-id>2-000000</event-id>
    <datetime>20050302200510</datetime>
    <systemID>1</systemID>
  </GLOBAL>
  <EVENT-SWITCH>
    <action>pull</action>
    <push-url></push-url>
  </EVENT-SWITCH>
</EVENT-DATA>
```

1.1.3.2.3 *Messaging Service Event, switch Messaging Service from pull to push*

Delivers the same xml-file as in section 1.1.3.2.1 “Messaging Service Event, enable Push Interface”, page 23.

1.1.3.2.4 *Messaging Service Event, switch Messaging Service from push to pull*

Delivers the same xml-file as in section 1.1.3.2.2 “Messaging Service Event, enable Pull Interface”, page 23.

1.1.3.2.5 *Messaging Service Event, switch Messaging Service off*

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
<EVENT-DATA>
  <GLOBAL>
    <event-id>2-000000</event-id>
    <datetime>20050302200510</datetime>
    <systemID>1</systemID>
  </GLOBAL>
  <EVENT-SWITCH>
    <action>OFF</action>
  </EVENT-SWITCH>
</EVENT-DATA>
```

1.1.3.2.6 BDR Event, created

If you use optional parameters, these are also transferred. The following example contains all possible optional parameters of a standard BDR.

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>2-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <BDR>
      <bdr-data>
        <bdr-id>11111111</bdr-id>
        <action>created</action>
        <creationDateTime>20040919235500</creationDateTime>
        <externalBDRID>ext-BDRID</externalBDRID>
        <subscription-id>6587089</subscription-id>
        <link-nr>00000</link-nr>
        <price>500</price>
        <paid-amount>500</paid-amount>
        <billedAmount>505</billedAmount>
        <currency>EUR</currency>
        <billedCurrency>USD</billedCurrency>
        <vat>1600</vat>
        <vat-amt>69</vat-amt>
        <link-name>Linkname</link-name>
        <yearofbirth>1976</yearofbirth>
        <gender>M</gender>
        <state>State</state>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <adtl-url-info></adtl-url-info>
        <adtl-bdr-info>eCommerce</adtl-bdr-info>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
        test.html</click-url>
      </bdr-data>
    </BDR>
  </EVENT-DATA>
```

Note

If you have enabled csv version 1.6 or 1.7, all BDR events contain the <customer-data> in the <bdr-data> block after activation by Click&Buy.

1.1.3.2.7 BDR Event, cancelled

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>2-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <BDR>
      <bdr-data>
        <bdr-id>11223355</bdr-id>
        <action>cancelled</action>
        <creationDateTime>20040919235500</creationDateTime>
        <externalBDRID>ext-BDRID</externalBDRID>
        <externalCancelID>223311</externalCancelID>
        <subscription-id>6587089</subscription-id>
        <link-nr>124560</link-nr>
        <price>500</price>
        <paid-amount>500</paid-amount>
        <billedAmount>505</billedAmount>
        <currency>EUR</currency>
        <billedCurrency>USD</billedCurrency>
        <vat>1600</vat>
        <vat-amt>69</vat-amt>
        <link-name>Linkname</link-name>
        <annotation>1</annotation>
        <yearofbirth>1976</yearofbirth>
        <gender>M</gender>
        <state>State</state>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <adtl-url-info></adtl-url-info>
        <adtl-bdr-info>eCommerce</adtl-bdr-info>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
        test.html</click-url>
      </bdr-data>
    </BDR>
  </EVENT-DATA>
```

Note The error code provided for <annotation> shows the reason for cancellation. You can find all reasons listed in table I-10 on page 19

Note If you have enabled csv version 1.6 or 1.7, all BDR events contain the <customer-data> in the <bdr-data> block after activation by Click&Buy.

1.1.3.2.8 BDR Event, Chargeback

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>2-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <BDR>
      <bdr-data>
        <bdr-id>10173462</bdr-id>
        <action>charge back</action>
        <creationDateTime>20040919235500</creationDateTime>
        <externalBDRID>ext-ID</externalBDRID>
        <invoiceDateTime>20050319235500</invoiceDateTime>
        <invoiceNumber>RG-12-123456</invoiceNumber>
        <subscription-id>6587089</subscription-id>
        <link-nr>1234567</link-nr>
        <price>500</price>
        <surfer-refund>100</surfer-refund>
        <paid-amount>500</paid-amount>
        <billedAmount>505</billedAmount>
        <currency>EUR</currency>
        <billedCurrency>USD</billedCurrency>
        <vat>1600</vat>
        <vat-amt>69</vat-amt>
        <link-name>Linkname</link-name>
        <annotation>1</annotation>
        <yearofbirth>1976</yearofbirth>
        <gender>M</gender>
        <state>State</state>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <adtl-url-info></adtl-url-info>
        <adtl-bdr-info>eCommerce</adtl-bdr-info>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
        test.html</click-url>
      </bdr-data>
    </BDR>
  </EVENT-DATA>
```

Note

If you have enabled csv version 1.6 or 1.7, all BDR events contain the <customer-data> in the <bdr-data> block after activation by Click&Buy.

1.1.3.2.9 BDR Event, Chargeback lifted

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>2-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <BDR>
      <bdr-data>
        <bdr-id>10173462</bdr-id>
        <action>charge back lifted</action>
        <creationDateTime>20040919235500</creationDateTime>
        <externalBDRID>ext-ID</externalBDRID>
        <invoiceDateTime>20050319235500</invoiceDateTime>
        <invoiceNumber>RG-12-123456</invoiceNumber>
        <subscription-id>6587089</subscription-id>
        <link-nr>1234567</link-nr>
        <price>500</price>
        <surfer-refund>100</surfer-refund>
        <paid-amount>500</paid-amount>
        <billedAmount>505</billedAmount>
        <currency>EUR</currency>
        <billedCurrency>USD</billedCurrency>
        <vat>1600</vat>
        <vat-amt>69</vat-amt>
        <link-name>Linkname</link-name>
        <annotation>1</annotation>
        <yearofbirth>1976</yearofbirth>
        <gender>M</gender>
        <state>State</state>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <adtl-url-info></adtl-url-info>
        <adtl-bdr-info>eCommerce</adtl-bdr-info>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
        test.html</click-url>
      </bdr-data>
    </BDR>
  </EVENT-DATA>
```

Note

If you have enabled csv version 1.6 or 1.7, all BDR events contain the <customer-data> in the <bdr-data> block after activation by Click&Buy.



1.1.3.2.10 BDR Event, booked out

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>2-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <BDR>
      <bdr-data>
        <bdr-id>10173462</bdr-id>
        <action>booked out</action>
        <BookoutDateTime>20050919125500</BookoutDateTime>
        <creationDateTime>20040919235500</creationDateTime>
        <externalBDRID>ext-ID</externalBDRID>
        <invoiceDateTime>20050319235500</invoiceDateTime>
        <invoiceNumber>RG-12-123456</invoiceNumber>
        <subscription-id>6587089</subscription-id>
        <link-nr>1234567</link-nr>
        <price>500</price>
        <surfer-refund>100</surfer-refund>
        <paid-amount>500</paid-amount>
        <billedAmount>505</billedAmount>
        <currency>EUR</currency>
        <billedCurrency>USD</billedCurrency>
        <vat>1600</vat>
        <vat-amt>69</vat-amt>
        <link-name>Linkname</link-name>
        <annotation>Annotation</annotation>
        <yearofbirth>1976</yearofbirth>
        <gender>M</gender>
        <state>State</state>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <adtl-url-info></adtl-url-info>
        <adtl-bdr-info>eCommerce</adtl-bdr-info>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
        test.html</click-url>
      </bdr-data>
      <chargeback-data>
        <first-name>Max</first-name>
        <last-name>Miller</last-name>
        <street>Im MediaPark 5</street>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <tel>+49(0)221/454 57 00</tel>
        <email>miller@clickandbuy.com</email>
      </chargeback-data>
    </BDR>
  </EVENT-DATA>
```

Note

If you have enabled csv version 1.6 or 1.7, all BDR events contain the <customer-data> in the <bdr-data> block after activation by Click&Buy.



1.1.3.2.1.1 BDR Event, to collection agency

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>2-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <BDR>
      <bdr-data>
        <bdr-id>10173462</bdr-id>
        <action>BDR to collection agency</action>
        <CollectionAgencyStatusDateTime>20050325235500</
CollectionAgencyStatusDateTime>
        <creationDateTime>20040919235500</creationDateTime>
        <externalBDRID>ext-ID</externalBDRID>
        <invoiceDateTime>20050319235500</invoiceDateTime>
        <invoiceNumber>RG-12-123456</invoiceNumber>
        <subscription-id>6587089</subscription-id>
        <link-nr>1234567</link-nr>
        <price>500</price>
        <surfer-refund>100</surfer-refund>
        <paid-amount>500</paid-amount>
        <billedAmount>505</billedAmount>
        <currency>EUR</currency>
        <billedCurrency>USD</billedCurrency>
        <vat>1600</vat>
        <vat-amt>69</vat-amt>
        <link-name>Linkname</link-name>
        <annotation>Annotation</annotation>
        <yearofbirth>1976</yearofbirth>
        <gender>M</gender>
        <state>State</state>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <adtl-url-info></adtl-url-info>
        <adtl-bdr-info>eCommerce</adtl-bdr-info>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
test.html</click-url>
      </bdr-data>
      <chargeback-data>
        <first-name>Max</first-name>
        <last-name>Miller</last-name>
        <street>Im MediaPark 5</street>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <tel>+49(0)221/454 57 00</tel>
        <email>miller@clickandbuy.com</email>
      </chargeback-data>
    </BDR>
  </EVENT-DATA>
```

Note

If you have enabled csv version 1.6 or 1.7, all BDR events contain the <customer-data> in the <bdr-data> block after activation by Click&Buy.



1.1.3.2.12 BDR Event, booked in

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>2-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>v
    </GLOBAL>
    <BDR>
      <bdr-data>
        <bdr-id>10173462</bdr-id>
        <action>booked-in </action>
        <BookinDateTime>20050325235500</BookinDateTime >
        <creationDateTime>20040919235500</creationDateTime>
        <externalBDRID>ext-BDRID</externalBDRID>
        <invoiceDateTime>20050319235500</invoiceDateTime>
        <invoiceNumber>RG-12-123456</invoiceNumber>
        <subscription-id>6587089</subscription-id>
        <link-nr>1234567</link-nr>
        <price>500</price>
        <surfer-refund>100</surfer-refund>
        <paid-amount>500</paid-amount>
        <billedAmount>505</billedAmount>
        <currency>EUR</currency>
        <billedCurrency>USD</billedCurrency>
        <vat>1600</vat>
        <vat-amt>69</vat-amt>
        <link-name>Linkname</link-name>
        <annotation>Annotation</annotation>
        <yearofbirth>1976</yearofbirth>
        <gender>M</gender>
        <state>State</state>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <adtl-url-info></adtl-url-info>
        <adtl-bdr-info>eCommerce</ adtl-bdr-info>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
        test.html</click-url>
      </bdr-data>
      <chargeback-data>
        <first-name>Max</first-name>
        <last-name>Miller</last-name>
        <street>Im MediaPark 5</street>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <tel>+49(0)221/454 57 00</tel>
        <email>miller@clickandbuy.com</email>
      </chargeback-data>
    </BDR>
  </EVENT-DATA>
```

Note

If you have enabled csv version 1.6 or 1.7, all BDR events contain the <customer-data> in the <bdr-data> block after activation by Click&Buy.

1.1.3.2.13 BDR Event, successfully collected from collection agency

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>2-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <BDR>
      <bdr-data>
        <bdr-id>10173462</bdr-id>
        <action>BDR successfully collected from collection agency</
action>
        <CollectionAgencyStatusDateTime>20050325235500</
CollectionAgencyStatusDateTime>
        <creationDateTime>20040919235500</creationDateTime>
        <externalBDRID>ext-BDRID</externalBDRID>
        <invoiceDateTime>20050319235500</invoiceDateTime>
        <invoiceNumber>RG-12-123456</invoiceNumber>
        <subscription-id>6587089</subscription-id>
        <link-nr>1234567</link-nr>
        <price>500</price>
        <paid-amount>500</paid-amount>
        <billedAmount>505</billedAmount>
        <currency>EUR</currency>
        <billedCurrency>USD</billedCurrency>
        <vat>1600</vat>
        <vat-amt>69</vat-amt>
        <link-name>Linkname</link-name>
        <annotation>Annotation</annotation>
        <yearofbirth>1976</yearofbirth>
        <gender>M</gender>
        <state>State</state>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <adtl-url-info></adtl-url-info>
        <adtl-bdr-info>eCommerce</ adtl-bdr-info>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
test.html</click-url>
      </bdr-data>
      <chargeback-data>
        <first-name>Max</first-name>
        <last-name>Miller</last-name>
        <street>Im MediaPark 5</street>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <tel>+49(0)221/454 57 00</tel>
        <email>miller@clickandbuy.com</email>
      </chargeback-data>
    </BDR>
  </EVENT-DATA>
```

Note

If you have enabled csv version 1.6 or 1.7, all BDR events contain the <customer-data> in the <bdr-data> block after activation by Click&Buy.



1.1.3.2.14 BDR Event, not collected from collection agency

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>2-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <BDR>
      <bdr-data>
        <bdr-id>10173462</bdr-id>
        <action>BDR not collected from collection agency</action>
        <CollectionAgencyStatusDateTime>20050325235500</
CollectionAgencyStatusDateTime>
        <creationDateTime>20040919235500</creationDateTime>
        <externalBDRID>ext-BDRID</externalBDRID>
        <invoiceDateTime>20050319235500</invoiceDateTime>
        <invoiceNumber>RG-12-123456</invoiceNumber>
        <subscription-id>6587089</subscription-id>
        <link-nr>1234567</link-nr>
        <price>500</price>
        <surfer-refund>100</surfer-refund>
        <paid-amount>500</paid-amount>
        <billedAmount>505</billedAmount>
        <currency>EUR</currency>
        <billedCurrency>USD</billedCurrency>
        <vat>1600</vat>
        <vat-amt>69</vat-amt>
        <link-name>Linkname</link-name>
        <annotation>Annotation</annotation>
        <yearofbirth>1976</yearofbirth>
        <gender>M</gender>
        <state>State</state>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <adtl-url-info></adtl-url-info>
        <adtl-bdr-info>eCommerce</adtl-bdr-info>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
test.html</click-url>
      </bdr-data>
      <chargeback-data>
        <first-name>Max</first-name>
        <last-name>Miller</last-name>
        <street>Im MediaPark 5</street>
        <zip>50670</zip>
        <city>Cologne</city>
        <country>DE</country>
        <tel>+49(0)221/454 57 00</tel>
        <email>miller@clickandbuy.com</email>
      </chargeback-data>
    </BDR>
  </EVENT-DATA>
```

Note

If you have enabled csv version 1.6 or 1.7, all BDR events contain the <customer-data> in the <bdr-data> block after activation by Click&Buy.



1.1.3.2.15 Affiliate Event, created

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>2-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <AFP-BDR>
      <afp-bdr-data>
        <bdr-id>444444</bdr-id>
        <action>created</action>
        <price>100</price>
        <currency>EUR</currency>
        <link-nr>11111</link-nr>
        <link-name>Affiliate Test</link-name>
        <annotation>Annotation</annotation>
        <affiliate-id>22222</affiliate-id>
      </afp-bdr-data>
    </ AFP-BDR >
  </EVENT-DATA>
```

Note

For Affiliate events, the <price> equals the actual revenue in the currency of the link (equals <billedAmount> for BDR events).



1.1.3.2.16 Affiliate Event, cancelled

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <AFP-BDR>
      <afp-bdr-data>
        <bdr-id>444444</bdr-id>
        <action>cancelled</action>
        <price>100</price>
        <currency>EUR</currency>
        <link-nr>11111</link-nr>
        <link-name>Affiliate Test</link-name>
        <annotation>Annotation</annotation>
        <affiliate-id>22222</affiliate-id>
      </afp-bdr-data>
    </ AFP-BDR >
  </EVENT-DATA>
```

Note

For Affiliate events, the <price> equals the actual revenue in the currency of the link (equals <billedAmount> for BDR events).



1.1.3.2.17 Affiliate Event, booked-out

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <AFP-BDR>
      <afp-bdr-data>
        <bdr-id>444444</bdr-id>
        <action>booked-out</action>
        <price>100</price>
        <currency>EUR</currency>
        <link-nr>11111</link-nr>
        <link-name>Affiliate Test</link-name>
        <annotation>Annotation</annotation>
        <affiliate-id>22222</affiliate-id>
      </afp-bdr-data>
    </ AFP-BDR >
  </EVENT-DATA>
```

Note

For Affiliate events, the <price> equals the actual revenue in the currency of the link (equals <billedAmount> for BDR events).



1.1.3.2.18 Subscription Event, activated

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <SUBSCRIPTION>
      <subscribe-data>
        <subscribe-id>999999</subscribe-id>
        <price>900</price>
        <currency>EUR</currency>
        <start-date>20040920005500</start-date>
        <action>activated</action>
        <sub-def-name>Subscription Definition</sub-def-name>
        <fee-number>1</fee-number>
        <external-id>ext-id</external-id>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
test.html</click-url>
      </subscribe-data>
    </SUBSCRIPTION>
  </EVENT-DATA>
```

Note

For subscription events, the <price> equals the actual revenue in the currency of the link (equals <billedAmount> for BDR events). In order to know how much revenue you actually made, please see the corresponding BDR event.

1.1.3.2.19 Subscription Event, cancelled

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <SUBSCRIPTION>
      <subscribe-data>
        <subscribe-id>999999</subscribe-id>
        <price>900</price>
        <currency>EUR</currency>
        <start-date>20040920005500</start-date>
        <action>cancelled</action>
        <sub-def-name>Subscription Definition</sub-def-name>
        <fee-number>1</fee-number>
        <external-id>ext-id</external-id>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
test.html</click-url>
      </subscribe-data>
    </SUBSCRIPTION>
  </EVENT-DATA>
```

Note

For subscription events, the <price> equals the actual revenue in the currency of the link (equals <billedAmount> for BDR events). In order to know how much revenue you actually made, please see the corresponding BDR event.



1.1.3.2.20 Subscription Event, terminated

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <SUBSCRIPTION>
      <subscribe-data>
        <subscribe-id>999999</subscribe-id>
        <price>900</price>
        <currency>EUR</currency>
        <start-date>20040920005500</start-date>
        <action>terminated</action>
        <sub-def-name>Subscription Definition</sub-def-name>
        <fee-number>1</fee-number>
        <external-id>ext-id</external-id>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
test.html</click-url>
      </subscribe-data>
    </SUBSCRIPTION>
  </EVENT-DATA>
```

Note

For subscription events, the <price> equals the actual revenue in the currency of the link (equals <billedAmount> for BDR events). In order to know how much revenue you actually made, please see the corresponding BDR event.

1.1.3.2.21 Subscription Event, ended

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <SUBSCRIPTION>
      <subscribe-data>
        <subscribe-id>999999</subscribe-id>
        <price>900</price>
        <currency>EUR</currency>
        <start-date>20040920005500</start-date>
        <action>ended</action>
        <sub-def-name>Subscription Definition</sub-def-name>
        <fee-number></fee-number>
        <external-id>ext-id</external-id>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
test.html</click-url>
      </subscribe-data>
    </SUBSCRIPTION>
  </EVENT-DATA>
```

Note

For subscription events, the <price> equals the actual revenue in the currency of the link (equals <billedAmount> for BDR events). In order to know how much revenue you actually made, please see the corresponding BDR event.

1.1.3.2.22 Subscription Event, recurring

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <SUBSCRIPTION>
      <subscribe-data>
        <subscribe-id>999999</subscribe-id>
        <price>900</price>
        <currency>EUR</currency>
        <start-date>20040920005500</start-date>
        <action>recurring</action>
        <sub-def-name>Subscription Definition</sub-def-name>
        <fee-number>1</fee-number>
        <external-id>ext-id</external-id>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
test.html</click-url>
      </subscribe-data>
    </SUBSCRIPTION>
  </EVENT-DATA>
```

Note

For subscription events, the <price> equals the actual revenue in the currency of the link (equals <billedAmount> for BDR events). In order to know how much revenue you actually made, please see the corresponding BDR event.

1.1.3.2.23 Subscription Event, blocked

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <SUBSCRIPTION>
      <subscribe-data>
        <subscribe-id>999999</subscribe-id>
        <price>900</price>
        <currency>EUR</currency>
        <start-date>20040920005500</start-date>
        <action>blocked</action>
        <sub-def-name>Subscription Definition</sub-def-name>
        <fee-number>1</fee-number>
        <external-id>ext-id</external-id>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
test.html</click-url>
      </subscribe-data>
    </SUBSCRIPTION>
  </EVENT-DATA>
```

Note

For subscription events, the <price> equals the actual revenue in the currency of the link (equals <billedAmount> for BDR events). In order to know how much revenue you actually made, please see the corresponding BDR event.



1.1.3.2.24 Subscription Event, unblocked

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <SUBSCRIPTION>
      <subscribe-data>
        <subscribe-id>999999</subscribe-id>
        <price>900</price>
        <currency>EUR</currency>
        <start-date>20040920005500</start-date>
        <action>unblocked</action>
        <sub-def-name>Subscription Definition</sub-def-name>
        <fee-number>1</fee-number>
        <externalID>ext-id</externalID>
        <click-url>http://session-he2s3d9n.eu.clickandbuy.com/
test.html</click-url>
      </subscribe-data>
    </SUBSCRIPTION>
  </EVENT-DATA>
```

Note

For subscription events, the <price> equals the actual revenue in the currency of the link (equals <billedAmount> for BDR events). In order to know how much revenue you actually made, please see the corresponding BDR event.

1.1.3.2.25 Easy Collect Authorization Event, granted

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <DD-AUTH>
      <ddauth-data>
        <action>granted</action>
        <grant-date>20040922000000</grant-date>
        <domain-id>1</domain-id>
      </ddauth-data >
    </DD-AUTH >
  </EVENT-DATA>
```



1.1.3.2.26 Easy Collect Authorization Event, cancelled

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <DD-AUTH>
      <ddauth-data>
        <action>cancelled</action>
        <grant-date>20040922000000</grant-date>
        <domain-id>1</domain-id>
      </ddauth-data >
    </DD-AUTH >
  </EVENT-DATA>
```

1.1.3.2.27 Customer Data

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <CUSTOMER-INFO>
      <site-id>1</site-id>
      <customer-data>
        <gender>M</gender>
        <first-name>Max</first-name>
        <last-name>Miller</last-name>
        <street>Im MediaPark 5</street>
        <zip>50670</zip>
        <city>Cologne</city>
        <state></state>
        <country>DE</country>
        <birthday>19791102</birthday>
        <email>miller@clickandbuy.com</email>
      </customer-data>
    </CUSTOMER-INFO >
  </EVENT-DATA>
```


1.1.3.2.28 Group Event, added

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <GROUP>
      <group-data>
        <group-name>Abonnenten</group-name>
        <group-id>4653755-3-3</group-id>
        <action>added</action>
        <crn>234567891</crn>
      </group-data>
    </GROUP>
  </EVENT-DATA>
```

1.1.3.2.29 Group Event, removed

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE EVENT-DATA SYSTEM "http://ems.eu.clickandbuy.com/dtd/
push_event.dtd">
  <EVENT-DATA>
    <GLOBAL>
      <event-id>10-000000</event-id>
      <crn>1238798</crn>
      <datetime>20040920000000</datetime>
      <systemID>1</systemID>
    </GLOBAL>
    <GROUP>
      <group-data>
        <group-name>Abonnenten</group-name>
        <group-id>4653755-3-3</group-id>
        <action>removed</action>
        <crn>234567891</crn>
      </group-data>
    </GROUP>
  </EVENT-DATA>
```



1.1.3.3 Document Type Definition (Push Interface)

You will find the DTD at the following link:

[http://ems.\[system-id\].clickandbuy.com/dtd/push_event.dtd](http://ems.[system-id].clickandbuy.com/dtd/push_event.dtd)

- **system-ID->** The system ID in the URL is the ISO 2-letter country code; EU for all the euro-zone countries, US for the United States, UK for the United Kingdom, etc. Please ask your customer service representative for your system ID.

The following DTD is used to validate the XML files made available via the Push interface.

```
<!ELEMENT EVENT-DATA (ERROR|(GLOBAL,(BDR| AFP-BDR| SUBSCRIPTION| GROUP| DD-
AUTH| EVENT-SWITCH| CUSTOMER-INFO| DDJOB)))>
<!ELEMENT action (#PCDATA)>
<!ELEMENT account-bankname (#PCDATA)>
<!ELEMENT account-bic (#PCDATA)>
<!ELEMENT account-nr (#PCDATA)>
<!ELEMENT adtl-url-info (#PCDATA)>
<!ELEMENT adtl-bdr-info (#PCDATA)><!--only available until 10/05-->
<!ELEMENT affiliate-id (#PCDATA)>
<!ELEMENT age (#PCDATA)>
<!ELEMENT annotation (#PCDATA)>
<!ELEMENT bdr-id (#PCDATA)>
<!ELEMENT BDRType (#PCDATA)><!--new 4_0_5-->
<!ELEMENT billedAmount (#PCDATA)><!--new 4_3_0-->
<!ELEMENT billedCurrency (#PCDATA)><!--new 4_3_0-->
<!ELEMENT birthday (#PCDATA)>
<!ELEMENT BookoutDateTime (#PCDATA)><!--new 4_0_4-->
<!ELEMENT BookinDateTime (#PCDATA)><!--new 4_0_4-->
<!ELEMENT cc-number (#PCDATA)>
<!ELEMENT cc-type (#PCDATA)>
<!ELEMENT cc-valid (#PCDATA)>
<!ELEMENT city (#PCDATA)>
<!ELEMENT click-url (#PCDATA)>
<!ELEMENT clickedLinkID (#PCDATA)>
<!ELEMENT CollectionAgencyStatusDateTime (#PCDATA)><!--new 4_0_4-->
<!ELEMENT country (#PCDATA)>
<!ELEMENT company-info (#PCDATA)>
<!ELEMENT crn (#PCDATA)>
<!ELEMENT creationDateTime (#PCDATA)><!--new 4_0_4-->
<!ELEMENT currency (#PCDATA)>
<!ELEMENT datetime (#PCDATA)>
<!ELEMENT domain-id (#PCDATA)>
<!ELEMENT email (#PCDATA)>
<!ELEMENT end-date (#PCDATA)>
<!ELEMENT error-description (#PCDATA)>
<!ELEMENT error-id (#PCDATA)>
<!ELEMENT event-amt (#PCDATA)>
<!ELEMENT event-id (#PCDATA)>
<!ELEMENT externalBDRID (#PCDATA)><!--new 4_0_5-->
<!ELEMENT external-id (#PCDATA)><!--only valid until 10/05-->
<!ELEMENT externalCancelID (#PCDATA)><!--new 4_0_4-->
<!ELEMENT fail-count (#PCDATA)><!--new 4_0_6-->
<!ELEMENT fee-number (#PCDATA)>
<!ELEMENT first-name (#PCDATA)>
<!ELEMENT gender (#PCDATA)>
```



```

<!ELEMENT grant-date (#PCDATA)>
<!ELEMENT group-name (#PCDATA)>
<!ELEMENT group-id (#PCDATA)>
<!ELEMENT internalContentDescription (#PCDATA)><!--new 4_0_4-->
<!ELEMENT InvoiceDateTime (#PCDATA)><!--new 4_0_4-->
<!ELEMENT InvoiceNumber (#PCDATA)><!--new 4_0_4-->
<!ELEMENT isCredit (#PCDATA)><!--only available until 10/05-->
<!ELEMENT jobID (#PCDATA)><!--new 4_0_6-->
<!ELEMENT key (#PCDATA)>
<!ELEMENT lastChange (#PCDATA)><!--new 4_0_6-->
<!ELEMENT last-name (#PCDATA)>
<!ELEMENT link-name (#PCDATA)>
<!ELEMENT link-nr (#PCDATA)>
<!ELEMENT mobile (#PCDATA)>
<!ELEMENT noVat (#PCDATA)><!--new 4_0_4-->
<!ELEMENT paid-amount (#PCDATA)>
<!ELEMENT parameter (#PCDATA)>
<!ELEMENT payment-type (#PCDATA)>
<!ELEMENT phone (#PCDATA)>
<!ELEMENT price (#PCDATA)>
<!ELEMENT push-url (#PCDATA)>
<!ELEMENT send-date (#PCDATA)>
<!ELEMENT site-id (#PCDATA)>
<!ELEMENT start-date (#PCDATA)>
<!ELEMENT state (#PCDATA)>
<!ELEMENT street (#PCDATA)>
<!ELEMENT subscribe-id (#PCDATA)>
<!ELEMENT subscription-id (#PCDATA)>
<!ELEMENT subscriptionDefinitionID (#PCDATA)>
<!ELEMENT sub-def-name (#PCDATA)>
<!ELEMENT subsidy-amt (#PCDATA)>
<!ELEMENT success-count (#PCDATA)><!--new 4_0_6-->
<!ELEMENT surfer-refund (#PCDATA)>
<!ELEMENT systemID (#PCDATA)><!--new 4_1-->
<!ELEMENT tel (#PCDATA)>
<!ELEMENT termination-date (#PCDATA)>
<!ELEMENT termination-reason (#PCDATA)>
<!ELEMENT transaction-count (#PCDATA)><!--new 4_0_6-->
<!ELEMENT TransactionType (#PCDATA)><!--new 4_0_5-->
<!ELEMENT url (#PCDATA)>
<!ELEMENT user-name (#PCDATA)>
<!ELEMENT value (#PCDATA)>
<!ELEMENT vat (#PCDATA)>
<!ELEMENT vat-amt (#PCDATA)>
<!ELEMENT vat2 (#PCDATA)>
<!ELEMENT vat2-amt (#PCDATA)>
<!ELEMENT yearofbirth (#PCDATA)>
<!ELEMENT zip (#PCDATA)>

<!ELEMENT ERROR (error-id, error-description)>

<!ELEMENT GLOBAL (event-id, crn?, datetime, push-url?, systemID?)>

<!ELEMENT BDR (bdr-data, chargeback-data?)>
<!ELEMENT bdr-data (bdr-id, BDRType?, action, BookoutDateTime?,
BookinDateTime?, CollectionAgencyStatusDateTime?, creationDateTime?,
externalBDRID?, externalCancelID?, InvoiceDateTime?, InvoiceNumber?, link-

```



```

nr, price, surfer-refund?, paid-amount, billedAmount?, currency,
billedCurrency?, vat, vat-amt, vat2?, vat2-amt?, noVat?, link-name, subsidy-
amt?, annotation?, yearofbirth?, gender, state, zip, city, country, adtl-
url-info, adtl-bdr-info?, internalContentDescription?, click-url,
affiliate-id?, subscription-id?, isCredit?, chargeback-data?,
TransactionType?, customer-data?)>
<!ELEMENT chargeback-data (first-name, last-name, street, zip, city,
country, tel, email)>

<!ELEMENT AFP-BDR (afp-bdr-data)>
<!ELEMENT afp-bdr-data (bdr-id, action, price, currency, link-nr, link-name,
annotation?, affiliate-id)>

<!ELEMENT SUBSCRIPTION (subscribe-data)>
<!ELEMENT subscribe-data (subscribe-id, subscriptionDefinitionID?, price?,
currency, start-date, end-date?, termination-date?, termination-reason?,
action, sub-def-name, fee-number, affiliate-id?, external-id?, click-url,
clickedLinkID?, customer-data?)>

<!ELEMENT customer-data (gender, first-name, last-name, company-info?,
street?, zip?, city?, state?, country, birthday?, email?, phone?, mobile?)>

<!ELEMENT DD-AUTH (ddauth-data)>
<!ELEMENT ddauth-data (action, grant-date, domain-id)>

<!ELEMENT GROUP (group-data)>
<!ELEMENT group-data (group-name, group-id, action, user-name)>

<!ELEMENT CUSTOMER-INFO (site-id, customer-data, payment-data?)>
<!ELEMENT payment-data (payment-type, account-data? ,cc-data?)>
<!ELEMENT account-data (account-nr, account-bic, account-bankname?)>
<!ELEMENT cc-data (cc-type, cc-number, cc-valid)>

<!ELEMENT EVENT-SWITCH (action, push-url?)>

<!-- new in V4.0.6/TransactionManager -->
<!ELEMENT DDJOB (jobID, action, lastChange, transaction-count, success-
count?, fail-count?)>

```