



**„Campaign tool“**

**data transfer instruction for  
partner**

**CAMPAIGN v.1.0**

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## Document information

<b>Project name:</b>	<b>CAMPAIGN</b>		
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## Change History

Version	Status	Date	Person	Changes made.
1.0	Approved	2008.03.20	Valdas Petrulis	
1.1	Update	2008.03.21	Valdas Petrulis	New field added e-mail.
1.2	Update	2008.11.18	Adomas Rimeika	Information from “VERO”
1.3	Update	2008.12.23	Olga Gorevaja	Structural changes

## Data exchange concept

### Data exchange scheme: VERO-Partner

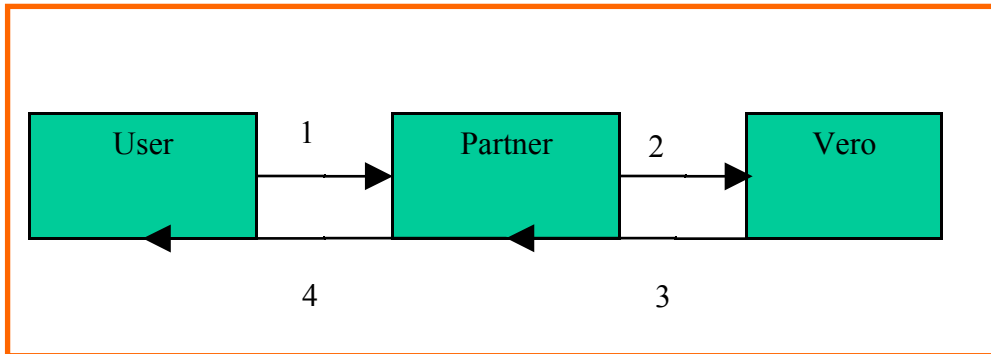


Figure 1. Data flow diagram

### Scheme description

Campaign system performance logic represented in the scheme above:

1. User fills form and posts information to Partner system.
2. Partner system sends HTTP GET request to VERO system.
3. VERO system returns output to Partner system.
4. Partner system returns answer to user.

## Required data

In order to use VERO campaign system, partner has to contact VERO. VERO registers new partner campaign in VERO system and provides data as follows required for partner work:

<i>Parameter</i>	<i>Example</i>	<i>Description</i>
URL	http://tool.vero.lt/campaign/getdata.php	URL for partner data transfer
Service ID	23545	Service id - partners campaign identification in VERO system
Password	gje545g	Password, used for partner's campaign authorization (used for request encoding on partner side/VERO side)

Table 1 Data from VERO

## HTTP GET request and it's generation

Request sent to VERO should be generated on partner side.

Obligatory request parameters ar shown in Table 2.

All sent parameter values must be URL-encoded and be in the UTF-8 character set. Parameters should be sent to: <http://tool.vero.lt/campaign/getdata.php>

<i>Parameter</i>	<i>Example</i>	<i>Description</i>
<b>service</b>	1	Service id – Vero system service identificator
<b>check</b>	234/2564	Unique code (check number) - main parameter
<b>date</b>	2007-10-15	Check order date (when ‘check’ code were printed) (can be empty or not given).
<b>name</b>	Vytas	User name
<b>surname</b>	Vardenis	User surname
<b>age</b>	18	Age of competitor
<b>phone</b>	+37068123474	User phone (needed for user information about winning)
<b>address</b>	Vilnius, taikos 10-8	User address
send_news	1	Flag, if competitor accepts to get advertisements or news (can be empty or not given)
email	test@test.com	Email of competitor
sign	296e80e305320deb6a540d198265f8c2	All <b>bolded</b> parameters and password are imploded and encoded with md5 function (URL-encode after sign generated) md5("{\$service} {\$check} {\$date} {\$name} {\$surname} {\$age} {\$phone} {\$address} {\$password}")

Table 2 HTTP GET request parameters

### Important!

- 1) When generating ‘sign’ parameter, just concatenate all **bolded** parameters from the table (whitespaces should not be used).

PHP example:

```
$param['sign'] = md5(
    $param['service'].$param['check'].
    $param['date'].$param['name'].
    $param['surname'].$param['phone'].
    $param['address'].$password
);
```

- 2) Do not forget to URL-encode needed parameters, but it should be done after generating ‘sign’ parameter ( ‘sign’ parameters should not be generated from URL encoded parameters).

To URL-encode in PHP urlencode() function should be used:

```
$params = "";
foreach ($param as $key => $item ) {
    $params .= '&'.$key.'='.$urlencode($item);
}
```

## **Example HTTP-GET request**

The following HTTP GET request is made if password is “test”:

```
http://tool.vero.lt/campaign/getdata.php?service=6421&check=654&date=2007-10-14&name=liutas&surname=liutas&phone=%2B37068595482&address=taikos+15-24&sign=608eaac0ccb5d67930d476cc3d64dda7
```

*Note: parameters will be changed according to specific project documentation.*

## **Response output**

A text string is given in response to the HTTP GET request.

1. When data is accepted successfully, response is: OK
2. When ‘check’ parameter already exists, response is: ERROR-CHECK
3. When obligatory parameters are missing or bad response is got, response is: ERROR-IN-PARAMETERS <error\_text>

## **Restrictions**

This system has IP restriction. Partner must send project server IP to VERO in order to use the HTTP GET link.