

The following info is required and must be filled in by the partner in order for the System owner to configure HLR service:

IP addresses from which requests will be sent (requests from unallowed IP addresses will be rejected)	
Login (will be generated by the System owner and provided to the partner once the service is configured if the value is not specified)	
Password (will be generated by the System owner and provided to the partner once the service is configured if the value is not specified)	

The following info is filled in by the System owner and provided to the partner once the service is configured:

NOTE: this line must be removed from the document before sending it to the partner alongside with the description of the fields (8.1, 8.2) that have been hidden from the HLR response (in case of any). Values highlighted red must be replaced by actual values.

1. Supported protocol(s): HTTP
2. Supported method(s): GET
3. HLR address: **to be specified**
4. Login: **to be specified if differs from the provided by the partner**
5. Password: **to be specified if differs from the provided by the partner**
6. Destination addresses format: e.164
7. Example of a request:

<https://<HLRdomain>/hlr.cgi?login=<userlogin>&password=<userpass>&dnis=<dnis>>

8. Response format:

- 8.1. Successful response:

```
{
  "source" : "HLR",
  "ported" : 0,
  "providerResponseCode" : "0",
  "mccmnc" : "250099",
  "source_name" : "mitto_hlr",
  "rate" : 0.0012,
  "dnis" : "79064539570",
  "source_type" : "mitto",
  "id" : 10230645,
  "result" : 0,
  "cached" : 1
}
```

where

"ported": shows if the number is ported (0 - no, 1 - yes)

"providerResponseCode": response code

"mccmnc": returned MCCMNC

"source_name": name of the HLR service towards which dipping was done

"rate": HLR provider's rate

"source_type": HLR provider

"id": unique identifier of the request in the database

"result": shows if the result is successful (-1 - no, 0 - yes)

"cached": shows if the result was taken from cache (0 - no, 1 - yes)

- 8.2 Unsuccessful response:

```
{
  "providerResponseCode" : "UnknownSubscriber",
  "message" : "No MCC/MNC found for 12345678910 with mitto service",
  "mccmnc" : "",
  "source_name" : "mitto_hlr",
}
```

```
"dnis" : "12345678910",  
"source_type" : "mitto",  
"id" : 90297376,  
"result" : -1  
}
```