



HLR LOOK UP
Version 2.0



Introduction

This document specifies how to use the HLR Gateway API by NRS-GROUP.

The process is very simple:

1. Clients make a POST request to NRS-GROUP.
2. NRS-GROUP answers this request synchronously with a previous status.
3. If the previous status is correct, clients receive an asynchronous notification with a detailed status.

NRS-GROUP shall provide the customer with a login and password

The customer must provide a notification script to NRS-GROUP

1- Request

Clients must make a POST request to the following URL:

<http://hlrgateway.nrs-group.com/hlr.php>

With the following parameters:

login	Mandatory	Login provided by NRS-GROUP
password	Mandatory	Password provided by NRS-GROUP
phones	Mandatory	Phone or phones that you want to check Note: A phone number must be between 6 and 15 characters long. It must be numeric and include the international prefix. It is possible to send to a phone or an array of phones. If sent to an array of phones, notifications received will be as many as the phones on the array of phones.
reference	Optional	Customer Reference received in the notification. Note: Max of 50 characters

2- Response

Whenever customers make a request, they receive a synchronous **JSON** response with the status of the request with the following parameters:

code	0 if it is correct, any other if it is an error
description	"Accepted for resolve" if it is correct, description of error if it is an error
cost	Amount that will be deducted from the balance
balance	Current balance (after deduction of cost)

The possible codes received are:

0	Accepted for resolve
102	No valid recipients
103	Username or password unknown
109	Incorrect notification URL
111	Not enough credits
112	Service unavailable
201	Notification error

3- Notification

For each phone number, customers receive an asynchronous **POST** notification to a script that the client has previously specified to NRS-GROUP.

The parameters received to the notification script are as follows:

login	Login with which the request was made
phone	Specified phone #
reference	Reference detailed on the request
info	Array with the HRL information for the phone #:
status	Delivered Not delivered Rejected Expired Unknown
error	Will show the error if not "Delivered"
date	Date in which phone information was received
country	Two-digit ISO for the country
mccmnc	MCCMNC of carrier
operator	Description of carrier country
imsi	IMSI of phone
msc	MSC of phone

Note: If a multiple request is made in the notification script, you will not be able to identify each response only with the reference. Since this reference belongs to multiple phone numbers, you must check both the reference and the phone number.