

# HLRLookUP Specification

User Manual Version

2.0.0

# HLR Lookup Request:

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This API provides HTTP solution for HLR lookup.

<http://1s2u.com/HLR/api/hlr.asp?key=xxxx&ref=xxxxx&msisdn=xxxxxxx>

Sr. No	Parameter	Description
1.	Key	Name of the user
2.	ref	Reference value
3.	msisdn	Destination for lookup. It should be prefixed with <b>country code</b> . More than one MSISDNs should be separated by ','
	Error Code	<b>'00'</b> Invalid user key.  <b>'01'</b> Invalid Reference Number (Should minimum 6 digit and each time you post the request must have unique number) and must be numeric only.  <b>'02'</b> Invalid mobile number, for multi number you can use comma between the numbers maximum 500 numbers each time.  <b>'03'</b> Insufficient Balance.

## Response:

In case of successful lookup, number lookup information will be given in response body in JSON format.

### In case of success:

```
{ "results ":[  
  {  
    "to":"xxxxxxxxxxxx",  
    "country":"xxxxx",  
    "errdesc":"xxxx",  
    "operator":"xxxxxx",  
    "mccmnc":"xxxxxxxxxxxx",  
    "imsi":"xx",  
    "errcode":"xxxxx",  
    "statusdesc":"xxxxxxxxxxxxxxxx",  
    "msgstatus":"xxxxxxxxxxxxxxxx"  }  
  ] }
```

### Err code:

1. 000 → DELIVRD
2. 001 → UNDELIV Temporarily
3. 002 → UNDELIV Permanent
4. 003 → REJECTD Temporarily
5. 004 → REJECTD Permanent

## Response nodes description:

Sr. No	Node Name	Description
1.	to	MSISDN for number lookup
2.	country	Ported country name if number is ported else original country name
3.	operator	Ported operator name in case of number is ported else original operator name
4.	mccmnc	Mobile Country Code and Mobile Network Code
5.		
7.	errcode	000 → DELIVRD 001 → UNDELIV Temporarily 002 → UNDELIV Permanent 003 → REJECTD Temporarily 004 → REJECTD Permanent
8.	statusdesc	000 → DELIVRD 001 → UNDELIV
9.	statusdesc	Description of the status given above. Please refer Table 1.1.
15.	imsi	International Mobile Subscriber Identity, used to uniquely identify the user of a mobile network.
16	errdesc	Please refer Table 1.1

**Table 1.1:**

<b>Error Description</b>	<b>Error code</b>	<b>Permanent</b>
<b>Absent Subscriber</b>	001	false
<b>Call Barred</b>	001	false
<b>Data Missing</b>	001	false
<b>SMS Facility Not Supported</b>	001	false
<b>HLR Abort</b>	001	false
<b>No Response</b>	001	false
<b>Reject Request</b>	001	false
<b>No Error</b>	000	false
<b>MSISDN Not Found</b>	001	false
<b>Invalid MSISDN</b>	001	false
<b>Request Method Not Allowed</b>	001	false
<b>Request Throttled</b>	001	false
<b>Invalid URL</b>	001	false
<b>System Failure</b>	001	false
<b>SMS Tele Service Not Provisioned</b>	002	true
<b>Time Out</b>	001	false
<b>Unexpected Data Value</b>	001	false
<b>Unknown Subscriber</b>	002	true
<b>Service Failure</b>	003	false
<b>CUG Reject</b>	001	false
<b>SMS Facility Not Supported</b>	001	false
<b>System Failure</b>	001	false
<b>Data Missing</b>	001	false
<b>Unexpected Data Value</b>	001	false
<b>Service Unreachable</b>	003	false
<b>Authentication Error</b>	001	false
<b>Not allowed to use this profile</b>	001	false
<b>Not allowed to use this service</b>	001	false

<b>Unknown user</b>	001	false
<b>Invalid parameter</b>	001	false
<b>Unidentified Subscriber</b>	001	false
<b>Roaming not allowed</b>	001	false
<b>Illegal Subscriber</b>	002	true
<b>Subscriber Busy For Mt SMS</b>	001	false
<b>SM Delivery Failure</b>	001	false
<b>Message Waiting List Full</b>	001	false
<b>System Failure</b>	001	false
<b>Unexpected Data Value</b>	001	false
<b>Unknown Error</b>	001	false
<b>No Response</b>	001	false
<b>Service not Supported</b>	001	false
<b>Duplicated Invoke Id</b>	001	false
<b>Subsystem Congestion</b>	001	false
<b>Subsystem Failure</b>	001	false
<b>Network Congestion</b>	001	false
<b>IMSI blacklisted</b>	002	true
<b>DND blacklisted</b>	002	true
<b>Message canceled</b>	002	true
<b>Validity Expired</b>	002	true
<b>Time window violation</b>	001	false
<b>Message delivered to operator</b>	001	false
<b>Message sent, waiting for delivery report</b>	001	false
<b>Message rejected by operator</b>	001	false

<b>Message delivered to handset</b>	001	false
<b>Network is forbidden</b>	001	false
<b>Message submitted to operator</b>	001	false
<b>Number prefix missing</b>	003	false
<b>Message sent not delivered</b>	001	false
<b>Destination on DND list</b>	001	false
<b>Rejected by Destination</b>	001	false
<b>Message expired</b>	001	false
<b>Network not reachable</b>	001	false
<b>Destination not registered</b>	001	false
<b>Route not available</b>	003	false
<b>Rejected flooding</b>	001	false
<b>System error</b>	001	false
<b>Unknown Reason</b>	001	false
<b>Rejected duplicate message ID</b>	001	false
<b>Rejected message too long</b>	001	false
<b>Message accepted, pending for delivery</b>	001	false
<b>Message accepted, pending for approval</b>	001	false
<b>Rejected Not Sent</b>	001	false
<b>Expired DLR Unknown</b>	001	false
<b>MO message forwarded and delivered</b>	001	false
<b>Message not sent</b>	003	false
<b>ERR 2401</b>	003	false
<b>ERR 2402</b>	003	false
<b>ERR 2403</b>	003	false
<b>ERR 2409</b>	003	false

<b>ERR 1025</b>	003	false
<b>Internal Error</b>	001	false
<b>Temporary Failure Or Unsupported Network Operator</b>	003	false