



SMSGlobal – Mobile Number Portability (MNP)  
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CONFIDENTIAL

# Mobile Number Portability (MNP)

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# Mobile Number Portability (MNP)

## Preface

Welcome to the SMSGlobal Mobile Number Portability (MNP) lookup service. This document provides a reference for all features available to you via the MNP interface for looking up information on MSISDN.

**Important:** This MNP is only available for lookup information on Australia MSISDN.

## Overview

The MNP-API enables a lookup service for Australian MSISDN. Each transaction will incur a cost of \$0.02 AUD including GST.

There are 2 lookup methods available with the MNP-API.

- Basic
- Advanced

The Basic method enables users to validate whether a particular Australia MSISDN is valid.

The Client issues either a HTTP GET or POST request to the SMSGlobal HTTP interface supplying a list of required parameters. SMSGlobal issues back a HTTP Response which indicates the validity of the MSISDN.

The Advanced method provides much more detailed information which indicates carrier ownership, country of origin and location. It is also possible to determine whether the MSISDN has been ported to a different carrier.

The same HTTP GET or POST request is submitted to SMSGlobal, however the more details results are Pushed back to you.

Delivery options include email and HTTP Post Back.

Please refer to [Mobileworks Documentation](#) for instructions on enabling advanced lookup.

## Features

The MNP lookup service is capable of providing the following information for an MSISDN.

- Validate whether an Australia MSISDN is in active service
- Advanced lookup option
- Determine which carrier owns an MSISDN
- Determine whether the MSISDN has been ported to another carrier
- Delivery Receipt Notifications via Email/SMS
- 24/7 support via our support system

## Basic MSISDN Lookup

URL: <http://www.msglobal.com.au/mnp/msisdn.php>

## HTTP Request

Find below a list of accepted parameters.

Parameter	Description	Options	Presence
username	Your SMSGlobal username		Mandatory
password	Your SMSGlobal password		Mandatory
msisdn	MSISDN (mobile no). Must use full country code. E.g. 61432162111		Mandatory

## HTTP Response

The response from the request will return either the status of OK together with a MNP Lookup ID, or a status of ERR together with an error code and message.

### Example Successful Lookup Message

**Format:** {MSISDN};{Internal ID};{MCC-MNC};{Carrier Name / Porting}

### Example: Requesting MNP Lookup

Below is an example request for MSISDN lookup.

**Username:** testuser

**Password:** secret

**MSISDN:** 61447100250

**Request:** `http://msglobal.com.au/mnp/msisdn.php?username=testuser&password=secret&msisdn=61447100250`

**Output:** `61447100250;551;505-01;Telstra;`

### Example Error Message

**Format:** {error};{error code};{error message}

**Output:** `Error;5;Incorrect username / password;;`

## Errors

Find below a list of possible errors.

Error	Description
1	Username not supplied
2	Password not supplied
3	MSISDN not supplied
4	Not enough credits
5	Incorrect username / password

## Advanced MSISDN Lookup Request

URL: [http://www.msglobal.com.au/mnp/hlr\\_network.php](http://www.msglobal.com.au/mnp/hlr_network.php)

### HTTP Request

Find below a list of accepted parameters.

Parameter	Description	Options	Presence
username	Your SMSGlobal username		Mandatory
password	Your SMSGlobal password		Mandatory
msisdn	MSISDN (mobile no). Must use full country code. E.g. 61447100250		Mandatory

### HTTP Response

The response from the request will return either the status of OK together with a MNP Lookup ID, or a status of ERR together with an error code and message.

#### Example Successful Lookup Message

**Format:** {MSISDN};{Internal ID};{MCC-MNC};{Carrier Name / Porting}

## Example: Requesting MNP Lookup

Below is an example request for MSISDN lookup.

**Username:** testuser

**Password:** secret

**MSISDN:** 61447100250

**Request:** `http://www.msglobal.com.au/mnp/hlr_network.php?username=testuser&password=secret&msisdn=61447100250`

**Output:** OK 6191

### Example Error Message

**Format:** {status} {error code} {error message}

**Output:** ERR 750 Invalid MSISDN

## Errors

Find below a list of possible errors.

Error	Description
88	Not enough credits
99	Unknown error
100	Incorrect username/password
300	Missing MSISDN
750	Invalid MSISDN

## Advanced MSISDN Lookup Result

If you would like more detailed lookup information you can activate your results to either be pushed to your email address or back to your server using HTTP Post Back method.

Please refer to the Mobileworks Administration guide for enabling instructions. **[Default: Off]**

### HTTP Post Back

Find below a list of returned parameters

Parameter	Description
MNP_ID	SMSGlobal Unique MNP ID
MSISDN	MSISDN (mobile no)
NETWORK_CODE	Your SMSGlobal password
MOBILE_LOCATION	MSC currently serving the handset.
COUNTRY_NAME	Country of carrier
COUNTRY_ISO	Country ISO
CARRIER	Carrier Trading Name
CARRIER_NAME	Carrier Name
CARRIER_TYPE	Type of Carrier
PORTED	Whether the number has been ported

## SMSGlobal Contact Details

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