

## CDYNE Phone Verification Web Service

Version 2.1

**WSDL:** <http://ws.cdyne.com/phoneverify/phoneverify.asmx?wsdl>

**Testing URL:** <http://ws.cdyne.com/phoneverify/phoneverify.asmx>

**Developer Resources:** [http://wiki.cdyne.com/index.php/Phone\\_Verification](http://wiki.cdyne.com/index.php/Phone_Verification)

**Product Web Page:** <http://www.cdyne.com/products/phone-verification.aspx>

**Description:** Utilize this XML Web Service to validate any phone number within the United States and Canada. CDYNE Phone Verification can quickly and accurately verify and correct area code and prefixes on U.S. and Canadian phone numbers.

If the area code is incorrect or missing, Phone Verification can be used to identify the error or return the corrected one to update your data. The service also identifies the phone numbers that have new area codes following a NANPA split and replaces incorrect area codes. As a bonus for call centers, Phone Verification can also identify land line and cellular numbers instantly and provide carrier information.

The service can be built into CRM or contact software as well as integrated into Web sites and other applications to cleanse data at point of entry.

**The "CheckPhoneNumber" operation is used to validate one phone number at a time. Use "CheckPhoneNumbers" (plural) to include an array of numbers to validate.**

Phone Verification is part of CDYNE's suite of fraud detection products that include Postal Address Verification, Email Verification, Phone Notify!, and Death Index for complete customer record validation.

**Required License Information:** The *LicenseKey* parameter that is seen in most operations of this Web Service is required to authenticate users invoking this Web Service. You must obtain a valid License Key. You can sign up for this service by using the 'Buy Now' button located on the Product Web Page (see link at top of this page) or by contacting CDYNE for a limited Trial License Key.

EXAMPLE:

Licensing parameter seen in numerous operations	Sample Input
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LicenseKey	F01d89fd-5155-5455-5585-e84ab8de8591
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**Operations:**

- CheckPhoneNumber
- CheckPhoneNumbers

▼ **CheckPhoneNumber**

Operation: CheckPhoneNumber Input		
Parameter Name:	Data Type	Sample Input
<b>PhoneNumber:</b> Input phone number.	<i>String</i>	7575449510
<b>LicenseKey:</b> See page 1 for more info.	<i>String</i>	F01d89fd-5155-5455-5585-e84ab8de8591

Operation: CheckPhoneNumber Output		
Parameter Name:	Data Type	Sample Output
<b>Company:</b> Returns company name.	<i>String</i>	LEVEL 3 COMMUNICATIONS, LLC – VA
<b>Valid:</b> Returns true or false if valid phone number.	<i>Boolean</i>	True
<b>Use:</b> Returns use for phone number.	<i>String</i>	Assigned to a code holder for normal use.
<b>State:</b> Returns State abbreviation.	<i>String</i>	VA
<b>RC:</b> Returns Rate Center. (geographic area used by local exchange carriers to set rate boundaries for billing and for issuing phone numbers)	<i>String</i>	NRFOLKZON2
<b>OCN:</b> Returns original called party.	<i>String</i>	8825
<b>OriginalNumber:</b> Returns phone number input into Web Service.	<i>String</i>	7575449510
<b>CleanNumber:</b> Returns phone # that goes into the system and comes out as cleaned version.	<i>String</i>	7575449510
<b>SwitchName:</b> Returns name of switch.	<i>String</i>	
<b>SwitchType:</b> Returns switch type.	<i>String</i>	
<b>Country:</b> Returns country phone # is from.	<i>String</i>	United States

<b>CLLI:</b> Returns common language location identifier code.	<i>String</i>	NOCLLIKOWN
<b>PrefixType:</b> Returns type of company.	<i>String</i>	CLEC-(Competitive Local Exchange Carrier)
<b>LATA:</b> Returns local access and transport area.	<i>String</i>	252
<b>sms:</b> Returns type of SMS phone number uses.	<i>String</i>	CLEC-(Competitive Local Exchange Carrier)
<b>Email:</b> Returns type of email SMS uses.	<i>String</i>	
<b>AssignDate:</b> Returns date phone number was issued to person.	<i>String</i>	09/26/2005
<b>TelcomCity:</b> Returns City phone number belongs to.	<i>String</i>	New Brunswick
<b>TelcomCounty:</b> Returns County phone number belongs to.	<i>String</i>	Middlesex
<b>TelcomState:</b> Returns State phone number belongs to.	<i>String</i>	VA
<b>TelcomZip:</b> Returns ZIP Code phone number belongs to.	<i>String</i>	08901
<b>TimeZone:</b> Returns time zone phone number belongs to.	<i>String</i>	EST
<b>Lat:</b> Returns latitude of telecom address.	<i>String</i>	36.8894
<b>Long:</b> Returns longitude of telecom address.	<i>String</i>	-76.2382
<b>Wireless:</b> Returns true or false if phone number is wireless.	<i>Boolean</i>	false

▼ **CheckPhoneNumbers**

-Same as CheckPhoneNumber, except you can include an array of phone numbers.

<b>Operation: CheckPhoneNumbers Input</b>		
Parameter Name:	Data Type	Sample Input
<b>PhoneNumber:</b> Input array of phone numbers.	<i>Array of Strings</i>	7575449510
<b>LicenseKey:</b> See page 1 for more info.	<i>String</i>	F01d89fd-5155-5455-5585-e84ab8de8591

-Report is generated for each number provided.

<b>Operation: CheckPhoneNumbers Output</b>		
Parameter Name:	Data Type	Sample Output
<b>Company:</b> Returns company	<i>String</i>	LEVEL 3 COMMUNICATIONS, LLC - VA

name.		
<b>Valid:</b> Returns true or false if valid phone number.	<i>Boolean</i>	True
<b>Use:</b> Returns use for phone number.	<i>String</i>	Assigned to a code holder for normal use.
<b>State:</b> Returns State abbreviation.	<i>String</i>	VA
<b>RC:</b> Returns Rate Center. (geographic area used by local exchange carriers to set rate boundaries for billing and for issuing phone numbers)	<i>String</i>	NRFOLKZON2
<b>OCN:</b> Returns original called party.	<i>String</i>	8825
<b>OriginalNumber:</b> Returns phone number input into Web Service.	<i>String</i>	7575449510
<b>CleanNumber:</b> Returns phone # that goes into system and comes out as cleaned version.	<i>String</i>	7575449510
<b>SwitchName:</b> Returns name of switch.	<i>String</i>	
<b>SwitchType:</b> Returns switch type.	<i>String</i>	
<b>Country:</b> Returns Country phone # is from.	<i>String</i>	United States
<b>CLLI:</b> Returns common language location identifier code.	<i>String</i>	NOCLLIKOWN
<b>PrefixType:</b> Returns type of company.	<i>String</i>	CLEC-(Competitive Local Exchange Carrier)
<b>LATA:</b> Returns local access and transport area.	<i>String</i>	252
<b>sms:</b> Returns type of SMS phone number uses.	<i>String</i>	CLEC-(Competitive Local Exchange Carrier)
<b>Email:</b> Returns type of email SMS uses.	<i>String</i>	
<b>AssignDate:</b> Returns date phone number was issued to person.	<i>String</i>	09/26/2005
<b>TelcomCity:</b> Returns City phone number belongs to.	<i>String</i>	New Brunswick
<b>TelcomCounty:</b> Returns County phone Number belongs to.	<i>String</i>	Middlesex
<b>TelcomState:</b> Returns State phone number belongs to.	<i>String</i>	VA
<b>TelcomZip:</b> Returns ZIP Code phone number belongs to.	<i>String</i>	08901

<b>TimeZone:</b> Returns time zone phone number belongs to.	<i>String</i>	EST
<b>Lat:</b> Returns latitude of telecom address.	<i>String</i>	36.8894
<b>Long:</b> Returns longitude of telecom address.	<i>String</i>	-76.2382
<b>Wireless:</b> Returns true or false if phone number is wireless.	<i>Boolean</i>	false