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Worldview Identity Data Source Descriptions

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Contents

| | |
|--|----|
| Worldview Identity Data Source Descriptions | 1 |
| Worldview Data Sources | 3 |
| GDC Approved Data Sources and Data Codes..... | 4 |
| Data Source General Information | 6 |
| Tier 1 Countries | 7 |
| Tier 2 Countries | 32 |
| Tier 3 Countries | 35 |
| Tier 4 Countries | 39 |
| Appendix 1 – Address Validation Country Coverage | 41 |



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Introduction

The purpose of this document is to provide clients with updated information about data sources in the Worldview portal. Clients interested in accessing additional sources, existing or new, should contact GDC. This document is updated on-demand; for complete, current information about integrated sources contact a GDC Support.

Worldview Data Sources

The strength of verification depends not just on the type of source(s), but on the number of sources available for verification in a given country. GDC has developed categories to help clients understand the strength of their eIDV processes as evaluated against global compliance requirements. Clients ultimately determine their own match criteria, but are assisted by these categories which are based on the prescriptive eIDV legislation which exists globally, namely in Australia, the UK, and the US.

- **Tier 1** is based on the more mature AML compliance jurisdictions such as Australia, Canada, United Kingdom, United States, and most recently New Zealand. Tier 1 verification requires at least two strong sources that provide two independent name and address verifications and DOB or unique identifier e.g. SSN, SIN, National ID, or Tax Number.
- **Tier 2** is based on the minimum global KYC identity verification first defined in Australia. Tier 2 verification usually requires 2 sources to achieve a name, address, and additional field match (DOB or unique identifier), although verification can sometimes be accomplished with one very robust source, or two independent address verifications.
- **Tier 3** represents data with a single source verification. Tier 3 verification is typically a name and address, and telephone number.
- **Tier 4** represents alternative data source provider verification based sources that are independent from the above three categories. These sources are typically country specific with regards to achieve Identity, Delivery and Payment information.

This document segments the countries in which GDC has data sources into one of the above categories. For example, the UK is a Tier 1 country as there are multiple databases which can verify name, address and date of birth, whereas Luxembourg is a Tier 3 country, as there is only one name and address source available. In



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In addition to data sources for specific countries, GDC validates MRZ Passport details including DOB for every country that issues a Passport.

GDC has the following countries available in Worldview by category:

| Tier 1 | Tier 2 | Tier 3 | Tier 4 |
|-------------------|-----------|----------------|--------|
| Australia | France | Belgium | UK |
| Austria | Hong Kong | Czech Republic | Mexico |
| Canada | Ireland | Finland | |
| China | | Hungary | |
| Denmark | | Luxembourg | |
| Germany | | Monaco | |
| Italy | | Portugal | |
| Japan | | Slovakia | |
| Mexico | | Spain | |
| Netherlands | | Turkey | |
| New Zealand | | | |
| Norway | | | |
| Singapore | | | |
| South Africa | | | |
| Sweden | | | |
| Switzerland | | | |
| UK and N. Ireland | | | |
| United States | | | |

GDC Approved Data Sources and Data Codes

The following table outlines GDC's data classifications and data source origins. It is important to note that different markets have slightly different identity verification legislations, as well as different available and permissible data sources. Clients should seek professional advice from the GDC's consulting division to ensure they are building the right verification platform for a specific country or region.

Source



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| |
|---|
| Citizen or National Databases |
| Databases sourced from either a utility or government issued database that is enhanced and updated with other source files such as public data, change of address files, postal data, property data and |
| Consumer |
| Data derived from direct marketing campaigns. |
| Credit Agency |
| The data is derived from a registered credit agency that manages consumer credit information on individuals with consumer credit history in that country. |
| Credit Databases |
| The data is based on the credit header data of a permanent or temporary citizen of that country and is aggregated and managed by at least one of the major credit-reporting bureaus. |
| Driver's License Databases |
| Government collated and issued data for all citizens in a country that have a driver's license. |
| Electoral Roll Databases |
| Government collated and issued data for all citizens in a country that are enrolled to vote. |
| Government Issued Databases |
| Government collated and issued databases. |
| National Identification Databases |
| Government collated and issued data for countries that have a singular, national Identification system and associated number. |
| Other Identity Validation |
| Validation using national identity numbers, social security numbers, national health numbers, or other key country indicators of identity. |
| Other Identity Source Validation |
| Validation using a best-of-breed, country specific data sources using a hybrid of Data Sources including proprietary sources that are typically country specific. |
| Passport MRZ |
| Validation of the unique reference number at the bottom of the global passport machine readable zone (MRZ) which specifies that it is valid and also includes the individual's name and date-of- |
| Passport Verification |
| Government collated and issued data for all citizens in a country that have a valid passport for |
| Property Files |
| Data issued by the government or other accredited sources detailing ownership of property within a |
| Public – Various |
| Mixed source, which may include utility, consumer, and other public information. |
| Tele-connect |
| An automated telephone number verification service which details whether a landline or mobile number is valid and hence connects or is disconnected. |
| Utility Databases |
| Data issued for a national utility provider which is usually telephone, gas, electricity, or water. |
| Watch Lists (OFAC, DFAT, EU, etc.) |
| Watch list and country sanction program list screening is available against a range of lists. |

Data Source General Information

INFORMATION

The type of descriptive information about each data set varies by data source type and origin. Every effort is made to provide as much information as possible to allow clients to assess the quality of the source, and information is updated as details become available and new sources are added. GDC is committed to principles of the information assurance process so clients can have confidence in the sources provided, understand the integrity of the source, and have comprehensive information about the availability and scope of the data.

DATA SOURCE DESCRIPTION KEY

The following information is provided for each source.

- Source Type – Source type as outlined in this document.
- Checks – Identity related component checks available. These checks include:
 - Verify Only – Service only verifies identity based upon required and additional information provided upon input.
 - Verify – Service utilizes data quality to enhance the identity call and validates identity based on this information.
 - Append – Service performs Identity validation and appends additional information associated with the original provided inputs.
- Description – A general description of the source.
- Fields – The required fields (*) to perform an Identity check and other accepted fields.



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Tier 1 Countries

Australia - ASIC People Search

Source Type: Government Issued

Checks: Verify Only; Verify; Append

Description: This database contains the name and date of birth of all persons who are registered a directors or company officers with the Australian Securities & Investments Commission (ASIC). It has considerable coverage, as all company officers are required to be registered with ASIC.

Fields:

FirstName *
 MiddleName
 LastName *
 Suburb State
 DayOfBirth *
 MonthOfBirth *
 YearOfBirth *

Australia - Australia Driver Licence

Source Type: Driver's License

Checks: Verify Only; Verify; Append

Description: The data contains the name and date of birth of all persons who have been issued with a driver's license in the Australian Capital Territory, Queensland, Victoria, South Australia, Western Australia, and New South Wales.

Fields:

FirstName*
 LastName*
 UnitNumber
 StreetNumber
 StreetName
 StreetType
 Suburb
 State
 PostalCode
 DayOfBirth*
 MonthOfBirth*
 YearOfBirth*
 DriverLicenceNumber*
 RTACardNumber
 DayOfExpiry*
 MonthOfExpiry*
 YearOfExpiry*
 DriverLicenceState*

Australia - Australia Medicare



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| | |
|--|--|
| Source Type: Government Issued | |
| Checks: Verify Only; Verify; Append | |
| Description: The data contains the name and date of birth of all persons who have been registered with Medicare Australia (a federal government agency). It has considerable coverage, as all adult Australian citizens (and permanent visa holders) are entitled to public healthcare through the Medicare Scheme. | Fields: <i>DayOfBirth*</i> <i>MonthOfBirth*</i> <i>YearOfBirth*</i> <i>MedicareNumber*</i> <i>MedicareReference*</i> |

| Australia - Australian Electoral Roll | |
|--|--|
| Source Type: Electoral Roll | |
| Checks: Verify Only; Verify; Append | |
| Description: The data contains the name and residential address of all persons who have enrolled to vote with the Australian Electoral Commission (AEC). In addition, DOB can be also verified in VIC, NSW and WA. It has considerable coverage, as all adult Australian citizens must enroll to vote prior to a federal election. GDC hosts the database internally pursuant to an agreement with the AEC. | Fields: <i>FirstName</i> <i>MiddleName</i> <i>LastName*</i> <i>UnitNumber</i> <i>StreetNumber</i> <i>StreetName</i> <i>StreetType</i> <i>Suburb</i> <i>State</i> <i>PostalCode*</i> <i>Telephone</i> <i>DayOfBirth</i> <i>MonthOfBirth</i> <i>YearOfBirth</i> |

| Australia - Australian Passport | |
|---|--|
| Checks: Verify Only; Verify; Append | |
| Description: The data contains the name and date of birth of all persons who have been issued with an Australian passport or travel document by the Australian Passport Office (within the Department of Foreign Affairs and Trade). | Fields: <i>FirstName*</i> <i>MiddleName</i> <i>LastName*</i> <i>DayOfBirth*</i> <i>MonthOfBirth*</i> <i>YearOfBirth*</i> <i>PassportNumber*</i> <i>PlaceOfBirth*</i> <i>CountryOfBirth*</i> <i>FamilyNameAtBirth*</i> <i>FamilyNameAtCitizenship</i> |

| Australia - Australian Telephone Transaction History | |
|--|----------------|
| Source Type: Utility Database | |
| Checks: Verify Only; Verify; Append | Fields: |

Description: The data is based on an analysis of historical data contained within a national telephone database compiled and maintained by GDC. This data file establishes a transaction history by verifying whether an individual has had a phone registered at an address for a consecutive period of 3 years or more.

FirstName
MiddleName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
Suburb
State
*PostalCode**

Australia - Australian Tenancy File

Source Type: Property File

Checks: Verify Only

Description: The database contains the name, and date of birth of persons who rent property in Australia. It has considerable coverage as it is based on the nation's largest national tenant reference database in Australia, overseen by TICA. Every state and territory in Australia is covered.

Fields:

*FirstName**
MiddleName
*LastName**
*DayOfBirth**
*MonthOfBirth**
*YearOfBirth**

Australia - Citizen File

Source Type: National Database

Checks: Verify Only

Description: The database contains the name, residential address and date of birth of persons who currently reside in Australia. It has considerable coverage as it is derived from a broad range of sources and includes persons who are not Australian citizens.

Fields:

FirstName
MiddleName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
Suburb
State
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth

Australia - Data Cooperative

Source Type: Credit Bureau

Checks: Verify Only

Fields:



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Description: The database contains the name and residential address of persons who currently reside in Australia. It is derived from a range of organizations that collect the data directly from their customers and share the data for identity verification purposes. In addition, the database is comprised of records of persons who have made financial commitments to commercial organizations.

*FirstName**
*LastName**
UnitNumber
*StreetNumber**
*StreetName**
StreetType
Suburb
State
*PostalCode**

Australia - Property File

Source Type: Property File

Checks: Verify Only; Verify; Append

Description: The data contains the names and addresses of residential persons in Australia that have made a property purchase, including some of their co-inhabitant family members.

Fields:

FirstName
MiddleName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
Suburb
State
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth

Australia - Sensis White Pages

Source Type: Utility Database

Checks: Verify Only

Description: The data contains the name and address of all persons who have a registered telephone no. in Australia. It has considerable coverage, as it contains customers of Australian telecommunications carriers and includes both fixed and mobile telephones. The data is managed by Sensis (a subsidiary of Telstra) and is accessed by GDC pursuant to a license agreement with Sensis.

Fields:

FirstName
First Initial
*LastName**
StreetNumber
*StreetName**
StreetType
Suburb
*PostalCode**
Telephone

Australia - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Fields:



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Description: This data is derived from the Integrated Public Number Directory (IPND) which is an amalgamation of all Australian telephone carriers. The IPND is utilized by emergency services to contact Australian citizens in the case of bushfires, floods and other emergencies and hence must be up to date and comprehensive.

FirstName
MiddleName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
Suburb
State
PostalCode
Telephone

Australia - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: Australia telephone data is sourced from Yellow Pages Group. Yellow Pages is the national directory services provider. It obtains all the listed entries from all the telecommunications providers

Fields:

*Phone Number**

Australia - Visa Entitlement Verification Online (VEVO)

Source Type: Government Issued

Checks: Verify Only

Description: This service enables users to check the work entitlements of prospective employees. The database contains the date of birth of all persons who have been issued with a visa to enter Australia (or are otherwise recorded as having entered the country) by the Department of Immigration and Citizenship (DIC). It has considerable coverage as all non- Australian citizens must obtain a visa (or otherwise be recorded) prior to entering the country. Users cannot use VEVO to check the status of Australian citizens who were born in Australia. Once registered, you must only use VEVO to check on the status of employees, prospective employees or clients of labor hire companies looking for work.

Fields:

*FirstName**
MiddleName (if on passport)*
*LastName**
*Passport Number**
*Passport Country**
*DOB**

Austria - Credit Agency

Source Type: Credit Bureau

Checks: Verify Only

Description: The data is derived from a registered credit agency that manages consumer credit information on individuals with consumer credit history in Austria.

Fields:

FirstName
MiddleName
*LastName**
StreetName
PostalCode
Telephone
HouseNumber
City



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Austria - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
*LastName**
StreetName
PostalCode
Telephone
HouseNumber
City

Canada - Canadian SIN Validation

Source Type: Other Identity Validation

Checks: Verify Only

Description: This algorithm utilizes the Social Insurance Numbers of Canadian residents which are represented by a nine-digit number that persons require to work in Canada or to receive government benefits.

Fields:

*SocialInsuranceNumber**

Canada - Citizen File

Source Type: National Database

Checks: Verify Only

Description: Databases sourced from either a utility or government issued database that is enhanced and updated with other source files such as public data, change of address files, postal data, property data and data pooling with other organizations

Fields:

FirstName
MiddleName
*LastName**
UnitNumber
StreetName
StreetType
*PostalCode**
Province
Municipality
CivicNumber

Canada – Consumer

Source Type: Utility Database

Checks: Verify Only

Fields:

Description: This data contains property, residential, telephone and other publically available data.

FirstName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth

Canada - Credit Bureau

Source Type: Credit Bureau

Checks: Verify Only

Description: The data is based on the credit header data of a permanent or temporary citizen of Canada and is aggregated and managed by at least one of Canada's major credit-reporting bureaus.

Fields:

FirstName
MiddleName
*LastName**
UnitNumber
StreetName
StreetType
PostalCode
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
SocialInsuranceNumber
Province
Municipality
CivicNumber

Canada – Government

Source Type: Government Issued

Checks: Verify Only

Description: This data is based on government issued identity data.

Fields:

FirstName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
State
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth

China - Government National ID



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| | |
|---|--|
| Source Type: National Database | |
| Checks: Verify Only | Fields: |
| Description: The data is based on an identity number assigned to Chinese residents and citizens. It contains the name and addresses of permanent residents and citizens. In the PRC, an ID card is mandatory for all citizens who are over 15 years old. The ID card is used for residential registration, army enrolment registration, registration of marriage/divorce, and going abroad. This data source also returns a photo. | <i>DayOfBirth</i> <i>MonthOfBirth</i> <i>YearOfBirth</i> <i>NationalIDNumber*</i> <i>CityOfIssue</i> <i>ProvinceOfIssue</i> <i>DistrictOfIssue</i> <i>CountryOfIssue</i> <i>Surname*</i> <i>GivenNames*</i> |

| China - Telephone Directory | |
|--|--|
| Source Type: Utility Database | |
| Checks: Verify Only | Fields: |
| Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers. | <i>StreetNumber</i> <i>StreetName</i> <i>StreetType</i> <i>Telephone*</i> <i>City</i> <i>Province</i> <i>District</i> <i>County</i> <i>BuildingName</i> <i>RoomNumber</i> <i>BuildingNumber</i> <i>Surname</i> <i>GivenNames</i> |

| Denmark – Consumer | |
|--|--|
| Source Type: Public Data – Various | |
| Checks: Verify Only | Fields: |
| Description: This data contains property, residential, telephone and other publically available data. | <i>FirstName</i> <i>LastName*</i> <i>UnitNumber</i> <i>StreetNumber</i> <i>StreetName</i> <i>StreetType</i> <i>PostalCode*</i> <i>Telephone</i> <i>DayOfBirth</i> <i>MonthOfBirth</i> <i>YearOfBirth</i> |

| Denmark - Denmark Citizen | |
|---------------------------------------|----------------|
| Source Type: Government Issued | |
| Checks: Verify Only | Fields: |



Description: Includes Data from access to the Danish Personal identification number check (CPR) - Civil Registration System. Data sourced from 103 Danish telephone providers.

*First Name**
*Last/Surname**
Middle/Other Names
City/Municipality/Suburb Day of
Birth Unit Number
Street/House/BuildingNumber Street
Name
Street Type
State/Province/County/Region
Postal Code
Telephone
ID Number
Month & Year of Birth
Gender

Denmark - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
*LastName**
StreetName
PostalCode
Telephone
HouseNumber
City

Germany – Consumer

Source Type: Consumer

Checks: Verify Only

Description: This data contains property, residential, telephone and other publically available data.

Fields:

FirstName
*LastName**
UnitNumber
StreetName
StreetType
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
CivicNumber

Germany - Credit Agency

Source Type: Credit Bureau

Checks: Verify Only

Fields:

Description: The data is derived from a registered credit agency that manages consumer credit information on individuals with consumer credit history in Germany.

FirstName
MiddleName
*LastName**
StreetName
PostalCode
Telephone
HouseNumber
City

Germany - Credit Agency 2

Source Type: Credit Bureau

Checks: Verify Only

Description: The data is derived from a registered credit agency that manages consumer credit information on individuals with consumer credit history in Germany.

Fields:
FirstName
MiddleName
*LastName**
StreetName
PostalCode
Telephone
HouseNumber
City

Germany - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:
FirstName
*LastName**
StreetName
PostalCode
Telephone
HouseNumber
City

Italy - Credit Bureau

Source Type: Credit Bureau

Checks: Verify Only

Fields:



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Description: The data is based on the credit header data of a permanent or temporary citizen of Canada and is aggregated and managed by at least one of Italy's major credit-reporting bureaus.

*FirstName**
*LastName**
*StreetName**
*PostalCode**
Telephone
Gender
*DayOfBirth**
*MonthOfBirth**
*YearOfBirth**
*CountryOfBirth**
*HouseNumber**
*City**
*Province**
*CodiceFiscale**
TelephonePrefix
*CityOfBirth**
*ItIdDocumnetInfo (5 fields)**

Italy - Government

Source Type: Government Issued

Checks: Verify Only

Description: This data is based on government issued identity data.

Fields:

FirstName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
State
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth

Italy - Italy Codice Fiscale Validation

Source Type: Other Identity Validation

Checks: Verify Only

Description: This ID validation service is based on the Codice Fiscale, a tax identification number used in all interaction with government agencies and public administration in Italy. It is a unique identity code devised from an individual's name, date and place of birth. Validation is successful if the data input is structured to follow the unique formatting of the identity number.

Fields:

*IDNumber**
DayofBirth
MonthofBirth
YearofBirth

Italy - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Fields:



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Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

FirstName
*LastName**
StreetName
PostalCode
Telephone
HouseNumber
City

Japan - Consumer File

Source Type: Consumer

Checks: Verify Only

Description: Consumer data consists of multiple sources from consent based, consumer activities to form a master Japanese consumer file. The file is derived from sources such as Geo databases which covers people not listed on the National Telephone File, response files from mail order purchasing, school registries of school leavers, housing Occupancy 3rd party verifiers and public TV usage verification.

Fields:

FirstName
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
BuildingName
*Surname**
Prefecture
Municipality
Aza
AreaNumbers

Japan - Government Data

Source Type: National Database

Checks: Verify Only

Description: Public data is collected by government and other national organizations to form a distinct Japanese public or government file. The file is derived from sources such as Census data, Registration Cards (in case of fire, earthquakes etc.) and land records.

Fields:

FirstName
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
BuildingName
*Surname**
Prefecture
Municipality
Aza
AreaNumbers

Japan - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Fields:

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

FirstName
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
BuildingName
*Surname**
Prefecture
Municipality
Aza
AreaNumbers

Mexico – Consumer

Source Type: Utility Database

Checks: Verify Only, Append

Description: This data contains property, residential, telephone and other publically available data.

Fields:

FirstName
Address1 State
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
City
*FirstSurname**

Mexico - Government

Source Type: Government Issued

Checks: Verify Only, Append

Description: This data is based on government issued identity data.

Fields:

FirstName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
State
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth

Mexico - MX Citizen

Source Type: Public Data - Various

Checks: Verify Only, Append

Fields:



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Description: Data is acquired from public, utility, and media data sources as well as national ID and motor vehicle registration. National ID database is based upon the CURP number, the standard National ID in Mexico.

*First Name**
*Last/Surname**
Middle/Other Names
Unit Number
Street Name
City/Municipality/Suburb
State/Province/County/Region
Telephone
ID Number
Day of Birth
*Month of Birth**
*Year of Birth**
Gender

Mexico - National ID Validation

Source Type: Other Identity Validation

Checks: Verify Only, Append

Description: Validation based on data associated with the National ID for all Mexican citizens living in Mexico or abroad. Each CURP code is a unique alphanumeric 18-character string intended to prevent duplicate entries. Validation is successful if the data input is structured to follow the unique formatting of the code.

Fields:

*FirstName**
State Gender*
*DayOfBirth**
*MonthOfBirth**
*YearOfBirth**
*FirstSurname**
SecondSurname
CURPIDNumber

Netherlands – Consumer

Source Type: Consumer

Checks: Verify Only

Description: This data contains property, residential, telephone and other publically available data.

Fields:

FirstName
*LastName**
UnitNumber
StreetName
StreetType
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
CivicNumber

Netherlands - Credit Agency

Source Type: Credit Bureau

Checks: Verify Only

Fields:



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Description: The data is derived from a registered credit agency that manages consumer credit information on individuals with consumer credit history in the Netherlands.

*LastName**
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
*HouseNumber**
*GivenNames**
HouseExtension

Netherlands - Credit Bureau

Source Type: Credit Bureau

Checks: Verify Only

Description: The data is based on the credit header data of a permanent or temporary citizen of Canada and is aggregated and managed by at least one of the Netherlands' major credit-reporting bureaus.

Fields:

*LastName**
StreetName
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
*HouseNumber**
City
*GivenNames**
HouseExtension

Netherlands - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

*LastName**
StreetName
PostalCode
Telephone
HouseNumber
City
GivenNames

New Zealand - Business Directory

Source Type: Government Issued

Checks: Verify Only

Description: The NZ Companies Office maintains a listing of all companies' Director listings. This file is updated as soon as Companies Office is advised of any new or amended records. The NZ Companies Office registry contains all registered NZ companies and the directors and shareholders names and addresses.

Fields:

FirstName
MiddleName
*LastName**
UnitNumber
StreetName
StreetType

Description: This file is collated by a number of organizations collating their customer data to make one, unique file that can be used for verification purposes. Examples of source data include Accor hotels, direct response mail, NZ Change of address. This data is then cross referenced against other databases to ensure each record can be validated.

Suburb
PostalCode*
Telephone
HouseNumber
City

New Zealand - Driver's License Data

Source Type: Driver's License

Checks: Verify Only

Description: Based on the New Zealand Transport Authority (NZTA), this data contains all data on registered holders of a drivers license.

Fields:

First Name
LastName*
DayOfBirth*
MonthOfBirth*
YearOfBirth*
DriverLicenceNumber*
DriverLicenceVersionNumber*

New Zealand - NZ Change of Address

Source Type: Government Issued

Checks: Verify Only

Description: This data is collated by NZ Post. NZ Post maintains the redirection service. Records washed and verified against the NCOA file are considered an independent, verified data source.

Fields:

FirstName
MiddleName
LastName*
UnitNumber
StreetName
StreetType
Suburb
PostalCode*
Telephone
HouseNumber
City

New Zealand - NZ Motor Vehicle Data

Source Type: Government Issued

Checks: Verify Only

Description: The data contains both registered vehicles and the owners' name and address details. This file was last updated BY NZTA in May 2011. The currency of this file is updated against the Data Zoo internal movers file and the NZ Post change of address service.

Fields:

FirstName
MiddleName
LastName*
UnitNumber
StreetName
StreetType
Suburb
PostalCode*
Telephone
HouseNumber
City



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New Zealand - Property File

Source Type: Property File

Checks: Verify Only

Description: This data is collated from Land Information New Zealand (LINZ) which is a New Zealand government department responsible for land titles, geodetic and cadastral survey systems, topographic information, hydrographic information, managing Crown property and a variety of other functions. LINZ's purpose is to maintain and build confidence in property rights in land and geographic information, and encourage land information markets to develop and mature.

Fields:

FirstName
MiddleName
*LastName**
UnitNumber
StreetName
StreetType
Suburb
*PostalCode**
HouseNumber
City

New Zealand - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: NZ Telephone data is sourced from Yellow Pages Group. Yellow pages is the national directory services provider. It obtains all the listed entries from telecommunication providers.

Fields:

FirstName
MiddleName
*LastName**
UnitNumber
StreetName
StreetType
Suburb
*PostalCode**
Telephone
HouseNumber
City

Norway - Norway Citizen

Source Type: Public Data - Various

Checks: Verify Only

Description: Includes Central Address Registry data against the Citizen Roll for Norway Central Marketing Reservations data against the official Central Registry for protection from marketing. Data access to the central registry for reservation against commercials, white and yellow pages (including all fixed and mobile phone numbers), central registry for addresses and property owners, additional telephone sources covering all registered phone numbers in Norway and the deceased register.

Fields:

*First Name**
*Last/Surname**
Middle/Other Names
City/Municipality/Suburb Day of
Birth Unit Number
Street/House/BuildingNumber Street
Name
Street Type
State/Province/County/Region
Postal Code
Telephone
ID Number
Month & Year of Birth
Gender



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Norway - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
 MiddleName
 LastName*
 UnitNumber
 StreetNumber
 StreetName
 StreetType
 Suburb
 State
 PostalCode*
 Telephone

Norway - Norway Citizen

Source Type: Public Data - Various

Checks: Verify Only

Description: Includes Central Address Registry data against the Citizen Roll for Norway Central Marketing Reservations data against the official Central Registry for protection from marketing. Data access to the central registry for reservation against commercials, white and yellow pages (including all fixed and mobile phone numbers), central registry for addresses and property owners, additional telephone sources covering all registered phone numbers in Norway and the deceased register.

Fields:

First Name*
 Last/Surname*
 Middle/Other Names
 City/Municipality/Suburb Day of
 Birth Unit Number
 Street/House/BuildingNumber Street
 Name
 Street Type
 State/Province/County/Region
 Postal Code
 Telephone
 ID Number
 Month & Year of Birth
 Gender

Norway - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
 MiddleName
 LastName*
 UnitNumber
 StreetNumber
 StreetName
 StreetType
 Suburb
 State
 PostalCode*
 Telephone



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Singapore - Consumer

Source Type: Property File

Checks: Verify Only

Description: This database contains information derived from property records.

Fields:

FirstName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
State
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth

Singapore - Credit Bureau

Source Type: Credit Bureau

Checks: Verify Only

Description: The data is based on the credit header data of a permanent or temporary citizen of Singapore and is aggregated and managed by at least one of Singapore's major credit-reporting bureaus.

Fields:

*FirstName**
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
PostalCode
YearOfBirth
BuildingName
*NricNumber**
BlockNumber

Singapore - National ID Validation

Source Type: Other Identity Validation

Checks: Verify Only

Description: The algorithm is based on the identity document in use in Singapore. It is compulsory for all Singaporean citizens and permanent residents who are 15 years of age and older to have their NRICs. The NRIC contains a unique number that identifies the person holding it, and is used for almost all identification purposes in Singapore, including authentication when accessing the Singapore government's web portal. Citizens and permanent residents are included.

Fields:

*NricNumber**

South Africa - Consumer

Source Type: Utility Database

Checks: Verify Only

Description: This data contains property, residential, telephone and other publically available data.

Fields:

FirstName
*LastName**
UnitNumber
StreetName
StreetType
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
CivicNumber

South Africa - Credit Bureau

Source Type: Credit Bureau

Checks: Verify Only

Description: The data is based on the credit header data of a permanent or temporary citizen of South Africa and is aggregated and managed by at least one of South Africa's major credit-reporting bureaus. Transunion, Empirica and Experian are credit bureaus in South Africa.

Fields:

*FirstName**
MiddleName
*LastName**
*Address1**
*Suburb**
*PostalCode**
Telephone
*DayOfBirth**
*MonthOfBirth**
*YearOfBirth**
*City**
*NationalIDNumber**
Province
Address2
CellNumber
WorkTelephone

South Africa - Government

Source Type: Government Issued

Checks: Verify Only

Description: This data is based on government issued identity data.

Fields:

FirstName
 LastName*
 UnitNumber
 StreetNumber
 StreetName
 StreetType
 State
 PostalCode*
 Telephone
 DayOfBirth
 MonthOfBirth
 YearOfBirth

South Africa - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName*
 LastName*
 Address1
 Telephone*
 City
 Province

Sweden - Consumer

Source Type: Consumer

Checks: Verify Only

Description: This data contains property, residential, telephone and other publically available data.

Fields:

FirstName
 LastName*
 UnitNumber
 StreetName
 StreetType
 PostalCode*
 Telephone
 DayOfBirth
 MonthOfBirth
 YearOfBirth
 CivicNumber



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Sweden - Personal ID Validation

Source Type: Other Identity Validation

Checks: Verify Only

Description: This algorithm utilizes the Swedish national identification numbers of Swedish residents. The number is used by authorities, health care, schools and universities (both public-run and private), banks and insurance companies. Validation is successful if the data input is structured to follow the unique formatting of the identity number.

Fields:

Gender
DayOfBirth*
MonthOfBirth*
YearOfBirth*
PinNumber*

Sweden - Sweden Citizen

Source Type: Public Data - Various

Checks: Verify Only

Description: Includes Data sourced from Swedish Population Register Database. Consumer Database. (Check with Sean - and a consumer DB?)

Fields:

First Name*
Last/Surname*
Middle/Other Names
City/Municipality/Suburb Day of
Birth Unit Number
Street/House/BuildingNumber Street
Name
Street Type
State/Province/County/Region
Postal Code
Telephone
ID Number
Month & Year of Birth
Gender

Switzerland - Consumer

Source Type: Consumer

Checks: Verify Only

Description: This data contains property, residential, telephone and other publically available data.

Fields:

FirstName
LastName*
UnitNumber
StreetName
StreetType
PostalCode*
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
CivicNumber



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Switzerland - Credit Agency

Source Type: Credit Bureau

Checks: Verify Only

Description: The data is derived from a registered credit agency that manages consumer credit information on individuals with consumer credit history in Switzerland.

Fields:

FirstName
MiddleName
*LastName**
StreetName
PostalCode
Telephone
City
BuildingNumber

Switzerland - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
MiddleName
*LastName**
UnitNumber
StreetName
PostalCode
Telephone
City
BuildingNumber

UK and N. Ireland - Credit Bureau

Source Type: Credit Bureau

Checks: Verify Only

Description: The data is based on the credit header data of a permanent or temporary citizen of the United Kingdom or Northern Ireland and is aggregated and managed by at least one of UK/Northern Ireland's major credit-reporting bureaus.

Fields:

*FirstName**
MiddleName
*LastName**
UnitNumber
BuildingNumber
BuildingName
StreetName
StreetType
City
DayOfBirth
MonthOfBirth
YearOfBirth
*PostalCode**

UK and N. Ireland - Electoral Roll

Source Type: Electoral Roll

Checks: Verify Only

Description: The data contains the name and residential address of all persons who have enrolled to vote with the country's electoral process. This source is available as unedited ER for businesses with a UK address, as well as an edited version for out-of-country access.

Fields:

*FirstName**
MiddleName
*LastName**
UnitNumber
BuildingNumber
BuildingName
StreetName
StreetType
City
DayOfBirth
MonthOfBirth
YearOfBirth
*PostalCode**

UK and N. Ireland - Public Files

Source Type: Public Data - Various

Checks: Verify Only

Description: The data contains a range of publicly listed data including records from CCJ, Bankruptcy, Mail Sort, Postal Address File, UK Investors, Directors at Home, Gone Away Suppression File, Halo and others.

Fields:

*FirstName**
MiddleName
*LastName**
UnitNumber
BuildingNumber
BuildingName
StreetName
StreetType
City
DayOfBirth
MonthOfBirth
YearOfBirth
*PostalCode**

UK and N. Ireland - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
*LastName**
StreetName
StreetType
PostalCode
Telephone
City
BuildingNumber

United States – Public Record

Source Type: Public Data - Various

Checks: Verify Only

Description: Public records, non-public records, and proprietary databases to provide a comprehensive profile. Coverage includes current and historical information for individuals including names, aliases, SSNs, liens, judgments and bankruptcies, current and historical addresses, telephone numbers, corporate affiliations and business affiliations. Data is governed by industry regulations including GLB and DPPA.

Fields:

See Technical Documents

United States - US Government

Source Type: Government Issued

Checks: Verify Only

Description: The data contains multiple US government sources derived from the voter registration, driver's license, motor vehicle, and property records.

Fields:

FirstName
 LastName*
 UnitNumber
 StreetName
 StreetType
 State
 PostalCode*
 Telephone
 DayOfBirth
 MonthOfBirth
 YearOfBirth
 SocialSecurityNumber
 HouseNumber
 City



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Tier 2 Countries

France - Consumer

Source Type: Utility Database

Checks: Verify Only

Description: This data contains property, residential, telephone and other publically available data.

Fields:

FirstName
 LastName*
 UnitNumber
 StreetName
 StreetType
 PostalCode*
 Telephone
 DayOfBirth
 MonthOfBirth
 YearOfBirth
 CivicNumber

France - INSEE Number Validation

Source Type: Other Identity Validation

Checks: Verify Only

Description: This ID validation service is based on the permanent identity numbers assigned by the Social Security in France. Validation is successful if the data input is structured to follow the unique formatting of the identity number.

Fields:

Gender
 MonthOfBirth*
 YearOfBirth*
 InseeNumber*

France - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
 LastName*
 StreetName
 PostalCode
 Telephone
 HouseNumber
 City

Hong Kong - Government

Source Type: National Database

Checks: Verify Only

Fields:



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Description: This data is based on government issued identity data.

FirstName
*LastName**
UnitNumber
StreetName
Telephone
City
District
BuildingName
BuildingNumber
FloorNumber

Hong Kong - National ID Validation

Source Type: Other Identity Validation

Checks: Verify Only

Description: This ID validation service is an algorithm that uses the permanent identity numbers of Honk Kong residents who have the right of abode in the Honk Kong Special Administrative Region. Residents age 11 or above must, within 30 days of either reaching the age of 11 or arriving in Hong Kong, register for an HKID. Validation is successful if the data input is structured to follow the unique formatting of the identity number.

Fields:
*HongKongIDNumber**

Ireland - Consumer

Source Type: Consumer

Checks: Verify Only

Description: This data contains property, residential, telephone and other publically available data.

Fields:
FirstName
*LastName**
UnitNumber
StreetName
StreetType
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth
CivicNumber

Ireland - Government

Source Type: Government Issued

Checks: Verify Only

Description: This data is based on government issued identity data.

Fields:

FirstName
 LastName*
 UnitNumber
 StreetNumber
 StreetName
 StreetType
 State
 PostalCode*
 Telephone
 DayOfBirth
 MonthOfBirth
 YearOfBirth

Ireland - PPSN Validation

Source Type: Other Identity Validation

Checks: Verify Only

Description: This service uses data from the database of the Department of Social Protection in Ireland. The Personal Public Service Number (PPS Number) is a unique reference number that helps people access social welfare benefits, public services and information in Ireland.

Fields:

ID Number*

Tier 3 Countries

Belgium - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
 MiddleName
 LastName*
 UnitNumber
 StreetName
 StreetType
 PostalCode
 Telephone
 Province
 Municipality
 CivicNumber

Czech Republic - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
 MiddleName
 LastName*
 UnitNumber
 StreetNumber
 StreetName
 StreetType
 Suburb
 State
 PostalCode*
 Telephone

Finland - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Fields:

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

FirstName
MiddleName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
Suburb
State
*PostalCode**
Telephone

Hungary - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
MiddleName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
Suburb
State
*PostalCode**
Telephone

Luxembourg - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
*LastName**
StreetName
PostalCode
Telephone
HouseNumber

Monaco - Consumer

Source Type: Consumer

Checks: Verify Only

Fields:



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Description: This data contains property, residential, telephone and other publically available data.

LastName*
PostalCode*

Portugal - Consumer

Source Type: Consumer

Checks: Verify Only

Description: This data contains property, residential, telephone and other publically available data.

Fields:

LastName*
PostalCode*

Portugal - Government

Source Type: Government Issued

Checks: Verify Only

Description: This data is based on government issued identity data.

Fields:

LastName*
PostalCode*

Slovakia - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
MiddleName
LastName*
UnitNumber
StreetNumber
StreetName
StreetType
Suburb
State
PostalCode*
Telephone

Spain - Telephone Directory

Source Type: Utility Database

Checks: Verify Only

Description: The database contains the name, residential address and telephone of persons who currently have a registered telephone listed in their name. It has considerable coverage and is derived from a broad range of in-country telecommunication providers.

Fields:

FirstName
MiddleName
LastName*
UnitNumber
StreetNumber
StreetName
StreetType
Suburb
State
PostalCode*
Telephone



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Turkey - Consumer

Checks: Verify Only

Size: NA

Description: This database contains information derived from property records.

Fields:

FirstName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
State
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth

Turkey – Government

Source Type: Government Issued

Checks: Verify Only

Description: This data is based on government issued identity data.

Fields:

FirstName
*LastName**
UnitNumber
StreetNumber
StreetName
StreetType
State
*PostalCode**
Telephone
DayOfBirth
MonthOfBirth
YearOfBirth

Tier 4 Countries

Mexico - Other Identity Source Validation

Source Type: Other Best-of-Breed Identity Source Validation

Checks: Verify Only, Append

Description: Validation based on a best-of-breed data sources unique from the other Mexican data sources listed and described above. Required field is full name. All other fields strengthen the validation based on the inputs provided. The curp ID is the single best-associated identifier for best results. When multiple names are found, a list with a maximum of 15 names will be returned without address, state, sex, and dob. If more than 15 records were found a count of records found will contain the actual number found. This list may offer suggestions to help refine the full name or paternal last name fields in order to further narrow your search to a single hit. You may also refer to it as a browse capability.

Fields:

fullname*
 paternallastname
 maternallastname
 sex
 birthdate
 curp

Great Britain - Other Identity Source Validation

Source Type: Other Identity Data Source Validation

Checks: Verify Only, Append

Description: ID check database validation is based on best-of-breed data sources unique from the other United Kingdom or Northern Ireland data sources listed and described above. The level of the checks available are described below:

The Full Level ID Check can provide as a minimum:

- Two matches on first name, surname and address or
- One match on first name, surname, address and date of birth

The Full Level ID Check will check against a postal database plus at least two or more other datasets including telephone, voters roll, credit, and government issued ID tokens such as personal identity number, SSN or other trusted datasets. The Full Level ID3 Check can be combined with Document Checks and additional global checks (as detailed below) to provide a comprehensive ID verification solution.

Update Frequency: Real-time

Fields:

Full Level:

*FirstName
 *Surname
 *Address
 *Date of Birth
 - Two matches on first name, surname, address or One match on first name, surname, address and date of birth.

Brazil - Other Identity Source Validation

Source Type: Other Best-of-Breed Identity Source Validation

Checks: Verify Only, Append

Fields:



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Description: Validation based on a best-of-breed data sources unique from the other Brazilian data sources listed and described above. Required field is full name. All other fields strengthen the validation based on the inputs provided. The National ID is the single best-associated identifier for best results CNFP for person, CNFJ for business. Identity may be checked with name, national id, DOB and email or phone included. Results are returned and can be appended.

*fullname**
paternallastname
maternallastname
sex
birthdate
CNPF, CNFJ
Email
phone

Appendix 1 – Address Validation Country Coverage

The table below lists the Country coverage and function provide for each Country within the WV service and portal. This table is subject to change with the addition and removal of “best available” providers within each Country and Territory around the world. Note: it is specified which Countries are provided with a **“best available” in-Country solution** vs. our **World Coverage Solution** for address validation and correction.

| Country | ISO3 | ISO2 | FIPS | Territory | Included | in-Country Provider AVS | WV World AVS Service |
|------------------------|------|------|------|-----------|----------|-------------------------|----------------------|
| Afghanistan | AFG | AF | AF | WA | | no | yes |
| Aland Islands | ALA | AX | FI | WE | FIN | yes | yes |
| Albania | ALB | AL | AL | EE | | yes | yes |
| American Samoa | ASM | AS | AQ | OZ | USA | no | yes |
| Andorra | AND | AD | AN | WE | | yes | yes |
| Angola | AGO | AO | AO | AF | | no | yes |
| Anguilla | AIA | AI | AV | CA | GBR | no | yes |
| Antarctica | ATA | AQ | AY | AR | | no | yes |
| Antigua and Barbuda | ATG | AG | AC | CA | | no | yes |
| Argentina | ARG | AR | AR | SA | | yes | yes |
| Armenia | ARM | AM | AM | WA | | no | yes |
| Aruba | ABW | AW | AA | CA | | no | yes |
| Australia | AUS | AU | AS | OZ | AUS | yes | yes |
| Austria | AUT | AT | AU | WE | | yes | yes |
| Azerbaijan | AZE | AZ | AJ | WA | | no | yes |
| Bahamas | BHS | BS | BF | CA | | no | yes |
| Bahrain | BHR | BH | BA | ME | | yes | yes |
| Bangladesh | BGD | BD | BG | EA | | no | yes |
| Barbados | BRB | BB | BB | CA | | no | yes |
| Belarus | BLR | BY | BO | EE | | yes | yes |
| Belgium | BEL | BE | BE | WE | | yes | yes |
| Belize | BLZ | BZ | BH | CA | | no | yes |
| Benin | BEN | BJ | BN | AF | | no | yes |
| Bermuda | BMU | BM | BD | CA | | no | yes |
| Bhutan | BTN | BT | BT | WA | | no | yes |
| Bolivia | BOL | BO | BL | SA | | no | yes |
| Bosnia and Herzegovina | BIH | BA | BK | EE | | yes | yes |
| Botswana | BWA | BW | BC | AF | | yes | yes |
| Bouvet Island | BVT | BV | BV | AR | NOR | no | yes |
| Brazil | BRA | BR | BR | SA | | yes | yes |

| | | | | | | | |
|---------------------------------------|-----|----|----|----|-----|-----|-----|
| British Indian Ocean Territory | IOT | IO | IO | WA | GBR | no | yes |
| Brunei Darussalam | BRN | BN | BX | EA | | no | yes |
| Bulgaria | BGR | BG | BU | EE | | yes | yes |
| Burkina Faso | BFA | BF | UV | AF | | no | yes |
| Burundi | BDI | BI | BY | AF | | no | yes |
| Cambodia | KHM | KH | CB | EA | | no | yes |
| Cameroon | CMR | CM | CM | AF | | no | yes |
| Canada | CAN | CA | CA | NA | | yes | yes |
| Cape Verde | CPV | CV | CV | AF | | no | yes |
| Cayman Islands | CYM | KY | CJ | CA | | yes | yes |
| Central African Republic | CAF | CF | CT | AF | | no | yes |
| Chad | TCD | TD | CD | AF | | no | yes |
| Chile | CHL | CL | CI | SA | | yes | yes |
| China | CHN | CN | CH | EA | CHN | yes | yes |
| Christmas Island | CXR | CX | KT | OZ | AUS | no | yes |
| Cocos Island | CCK | CC | CK | OZ | AUS | no | yes |
| Colombia | COL | CO | CO | SA | | yes | yes |
| Comoros | COM | KM | CN | AF | | no | yes |
| Congo | COG | CG | CF | AF | | no | yes |
| Congo, the Democratic Republic of the | COD | CD | CG | AF | | no | yes |
| Cook Islands | COK | CK | CW | OZ | NZL | no | yes |
| Costa Rica | CRI | CR | CS | CA | | no | yes |
| cote d'Ivoire | CIV | CI | IV | AF | | no | yes |
| Croatia | HRV | HR | HR | EE | | yes | yes |
| Cuba | CUB | CU | CU | CA | | no | yes |
| Cyprus | CYP | CY | CY | EE | | no | yes |
| Czech Republic | CZE | CZ | EZ | EE | | yes | yes |
| Denmark | DNK | DK | DA | WE | DNK | yes | yes |
| Djibouti | DJI | DJ | DJ | AF | | no | yes |
| Dominica | DMA | DM | DO | CA | | no | yes |
| Dominican Republic | DOM | DO | DR | CA | | no | yes |
| Ecuador | ECU | EC | EC | SA | | no | yes |
| Egypt | EGY | EG | EG | AF | | no | yes |
| El Salvador | SLV | SV | ES | CA | | no | yes |
| Equatorial Guinea | GNQ | GQ | EK | AF | | no | yes |
| Eritrea | ERI | ER | ER | AF | | no | yes |
| Estonia | EST | EE | EN | EE | | yes | yes |
| Ethiopia | ETH | ET | ET | AF | | no | yes |
| Falkland Islands | FLK | FK | FK | SA | GBR | no | yes |
| Faroe Islands | FRO | FO | FO | WE | DNK | no | yes |
| Fiji | FJI | FJ | FJ | OZ | | no | yes |
| Finland | FIN | FI | FI | WE | FIN | yes | yes |



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|-----------------------------------|-----|----|----|----|-----|-----|-----|
| France | FRA | FR | FR | WE | FRA | yes | yes |
| French Guiana | GUF | GF | FG | SA | FRA | yes | yes |
| French Polynesia | PYF | PF | FP | OZ | FRA | no | yes |
| French Southern Territories | ATF | TF | FS | AR | FRA | no | yes |
| Gabon | GAB | GA | GB | AF | | no | yes |
| Gambia | GMB | GM | GA | AF | | no | yes |
| Georgia | GEO | GE | GG | WE | | no | yes |
| Germany | DEU | DE | GM | WE | | yes | yes |
| Ghana | GHA | GH | GH | AF | | no | yes |
| Gibraltar | GIB | GI | GI | WE | GBR | no | yes |
| Greece | GRC | GR | GR | EE | | yes | yes |
| Greenland | GRL | GL | GL | NA | DNK | no | yes |
| Grenada | GRD | GD | GJ | CA | | no | yes |
| Guadeloupe | GLP | GP | GP | CA | FRA | yes | yes |
| Guam | GUM | GU | GQ | OZ | USA | no | yes |
| Guatemala | GTM | GT | GT | CA | | no | yes |
| Guernsey | GGY | GG | GK | WE | GBR | no | yes |
| Guinea | GIN | GN | GV | AF | | no | yes |
| Guinea-Bissau | GNB | GW | PU | AF | | no | yes |
| Guyana | GUY | GY | GY | SA | | no | yes |
| Haiti | HTI | HT | HA | CA | | no | yes |
| Heard Island and McDonald Islands | HMD | HM | HM | AR | AUS | no | yes |
| Holy See | VAT | VA | VT | WE | | no | yes |
| Honduras | HND | HN | HO | CA | | no | yes |
| Hong Kong | HKG | HK | HK | EA | CHN | yes | yes |
| Hungary | HUN | HU | HU | EE | | yes | yes |
| Iceland | ISL | IS | IC | WE | | yes | yes |
| India | IND | IN | IN | WA | | yes | yes |
| Indonesia | IDN | ID | ID | EA | | yes | yes |
| Iran, Islamic Republic of | IRN | IR | IR | ME | | no | yes |
| Iraq | IRQ | IQ | IZ | ME | | no | yes |
| Ireland, Republic of | IRL | IE | EI | WE | | yes | yes |
| Isle of Man | IMN | IM | IM | WE | GBR | no | yes |
| Israel | ISR | IL | IS | ME | | no | yes |
| Italy | ITA | IT | IT | WE | | yes | yes |
| Jamaica | JAM | JM | JM | CA | | no | yes |
| Japan | JPN | JP | JA | EA | | yes | yes |
| Jersey | JEY | JE | JE | WE | GBR | no | yes |
| Jordan | JOR | JO | JO | ME | | yes | yes |
| kazakhstan | KAZ | KZ | KZ | WA | | no | yes |
| Kenya | KEN | KE | KE | AF | | no | yes |
| Kiribati | KIR | KI | KR | OZ | | no | yes |



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|---|-----|----|----|----|-----|-----|-----|
| Korea, Democratic People's Republic of | PRK | KP | KN | EA | | yes | yes |
| Korea, Republic of | KOR | KR | KS | EA | | yes | yes |
| Kuwait | KWT | KW | KU | ME | | yes | yes |
| Kyrgyzstan | KGZ | KG | KG | WA | | no | yes |
| Lao, People's Democratic Republic of | LAO | LA | LA | EA | | no | yes |
| Latvia | LVA | LV | LG | EE | | yes | yes |
| Lebanon | LBN | LB | LE | ME | | yes | yes |
| Lesotho | LSO | LS | LT | AF | | yes | yes |
| Liberia | LBR | LR | LI | AF | | no | yes |
| Libyan Arab Jamahriya | LBY | LY | LY | AF | | no | yes |
| Liechtenstein | LIE | LI | LS | WE | | no | yes |
| Lithuania | LTU | LT | LH | EE | | yes | yes |
| Luxembourg | LUX | LU | LU | WE | | yes | yes |
| Macau | MAC | MO | MC | EA | CHN | yes | yes |
| Macedonia, The Former Yugoslv Republic of | MKD | MK | MK | EE | | yes | yes |
| Madagascar | MDG | MG | MA | AF | | no | yes |
| Malawi | MWI | MW | MI | AF | | no | yes |
| Malaysia | MYS | MY | MY | EA | | yes | yes |
| Maldives | MDV | MV | MV | WA | | no | yes |
| Mali | MLI | ML | ML | AF | | no | yes |
| Malta | MLT | MT | MT | WE | | no | yes |
| Marshall Islands | MHL | MH | RM | OZ | USA | no | yes |
| Martinique | MTQ | MQ | MB | CA | FRA | yes | yes |
| Mauritania | MRT | MR | MR | AF | | no | yes |
| Mauritius | MUS | MU | MP | AF | | no | yes |
| Mayotte | MYT | YT | MF | AF | FRA | no | yes |
| Mexico | MEX | MX | MX | CA | | yes | yes |
| Micronesia, Federated States of | FSM | FM | FM | OZ | USA | no | yes |
| Moldova | MDA | MD | MD | EE | | yes | yes |
| Monaco | MCO | MC | MN | WE | | yes | yes |
| Mongolia | MNG | MN | MG | EA | | no | yes |
| Montenegro | MNE | ME | MJ | EE | SRB | yes | yes |
| Montserrat | MSR | MS | MH | CA | GBR | no | yes |
| Morocco | MAR | MA | MO | AF | | yes | yes |
| Mozambique | MOZ | MZ | MZ | AF | | no | yes |
| Myanmar | MMR | MM | BM | EA | | no | yes |
| Namibia | NAM | NA | WA | AF | | yes | yes |
| Nauru | NRU | NR | NR | OZ | | no | yes |
| Nepal | NPL | NP | NP | WA | | no | yes |
| Netherlands | NLD | NL | NL | WE | | yes | yes |

| | | | | | | | |
|-------------------------------------|-----|----|----|----|-----|-----|-----|
| Netherlands Antilles | ANT | AN | NT | CA | | no | yes |
| New Caledonia | NCL | NC | NC | OZ | FRA | no | yes |
| New Zealand | NZL | NZ | NZ | OZ | NZL | yes | yes |
| Nicaragua | NIC | NI | NU | CA | | no | yes |
| Niger | NER | NE | NG | AF | | no | yes |
| Nigeria | NGA | NG | NI | AF | | no | yes |
| Niue | NIU | NU | NE | OZ | NZL | no | yes |
| Norfolk Island | NFK | NF | NF | OZ | AUS | no | yes |
| Northern Mariana Islands | MNP | MP | CQ | OZ | USA | no | yes |
| Norway | NOR | NO | NO | WE | NOR | yes | yes |
| Oman | OMN | OM | MU | ME | | yes | yes |
| Pakistan | PAK | PK | PK | WA | | yes | yes |
| Palau | PLW | PW | PS | OZ | USA | no | yes |
| Palestinian Territory | PSE | PS | | ME | | no | yes |
| Panama | PAN | PA | PM | CA | | no | yes |
| Papua New Guinea | PNG | PG | PP | EA | | no | yes |
| Paraguay | PRY | PY | PA | SA | | no | yes |
| Peru | PER | PE | PE | SA | | no | yes |
| Philippines | PHL | PH | RP | EA | | no | yes |
| Pitcairn | PCN | PN | PC | OZ | GBR | no | yes |
| Poland | POL | PL | PL | EE | | yes | yes |
| Portugal | PRT | PT | PO | WE | | yes | yes |
| Puerto Rico | PRI | PR | RQ | CA | USA | no | yes |
| Qatar | QAT | QA | QA | ME | | yes | yes |
| Reunion | REU | RE | RE | AF | FRA | no | yes |
| Romania | ROU | RO | RO | EE | | yes | yes |
| Russian Federation | RUS | RU | RS | EE | | yes | yes |
| Rwanda | RWA | RW | RW | AF | | no | yes |
| Saint Barthelemy | BLM | BL | TB | CA | FRA | yes | yes |
| Saint Helena | SHN | SH | SH | AF | GBR | no | yes |
| Saint Kitts and Nevis | KNA | KN | SC | CA | | no | yes |
| Saint Lucia | LCA | LC | ST | CA | GBR | no | yes |
| Saint Martin | MAF | MF | RN | CA | FRA | no | yes |
| Saint Pierre and Miquelon | SPM | PM | SB | NA | FRA | no | yes |
| Saint Vincent and the Grenadines | VCT | VC | VC | CA | | no | yes |
| Samoa | WSM | WS | WS | OZ | | no | yes |
| San Marino | SMR | SM | SM | WE | | no | yes |
| Sao Tome and Principe | STP | ST | TP | AF | | no | yes |
| Saudi Arabia | SAU | SA | SA | ME | | yes | yes |
| Senegal | SEN | SN | SG | AF | | no | yes |
| Serbia | SRB | RS | SR | EE | | yes | yes |
| Seychelles | SYC | SC | SE | AF | | no | yes |



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|---|-----|----|----|----|-----|-----|-----|
| Sierra Leone | SLE | SL | SL | AF | | no | yes |
| Singapore | SGP | SG | SN | EA | | yes | yes |
| Slovakia | SVK | SK | LO | EE | | yes | yes |
| Slovenia | SVN | SI | SI | EE | | yes | yes |
| Solomon Islands | SLB | SB | BP | OZ | | no | yes |
| Somalia | SOM | SO | SO | AF | | no | yes |
| South Africa | ZAF | ZA | SF | AF | | yes | yes |
| South Georgia and the South Sandwich Islands | SGS | GS | SX | AR | GBR | no | yes |
| Spain | ESP | ES | SP | WE | | yes | yes |
| Sri Lanka | LKA | LK | CE | WA | | no | yes |
| Sudan | SDN | SD | SU | AF | | no | yes |
| Suriname | SUR | SR | NS | SA | | no | yes |
| Svalbard and Jan Mayen | SJM | SJ | SV | WE | NOR | no | yes |
| Swaziland | SWZ | SZ | WZ | AF | | yes | yes |
| Sweden | SWE | SE | SW | WE | | yes | yes |
| Switzerland | CHE | CH | SZ | WE | | yes | yes |
| Syrian Arab Republic | SYR | SY | SY | ME | | no | yes |
| Taiwan | TWN | TW | TW | EA | CHN | yes | yes |
| Tajikistan | TJK | TJ | TI | WA | | no | yes |
| Tanzania, United Republic of | TZA | TZ | TZ | AF | | no | yes |
| Thailand | THA | TH | TH | EA | | yes | yes |
| Timor-Leste | TLS | TL | TT | EA | | no | yes |
| Togo | TGO | TG | TO | AF | | no | yes |
| Tokelau | TKL | TK | TL | OZ | NZL | no | yes |
| Tonga | TON | TO | TN | OZ | | no | yes |
| Trinidad and Tobago | TTO | TT | TD | CA | | no | yes |
| Tunisia | TUN | TN | TS | AF | | yes | yes |
| Turkey | TUR | TR | TU | WA | | yes | yes |
| Turkmenistan | TKM | TM | TX | WA | | no | yes |
| Turks and Caicos Islands | TCA | TC | TK | CA | GBR | no | yes |
| Tuvalu | TUV | TV | TV | OZ | | no | yes |
| Uganda | UGA | UG | UG | AF | | no | yes |
| Ukraine | UKR | UA | UP | EE | | yes | yes |
| United Arab Emirates | ARE | AE | AE | ME | | yes | yes |
| United Kingdom | GBR | GB | UK | WE | GBR | yes | yes |
| United States | USA | US | US | NA | USA | yes | yes |
| United States Minor Outlying Islands | UMI | UM | | AR | USA | no | yes |
| Uruguay | URY | UY | UY | SA | | no | yes |
| Uzbekistan | UZB | UZ | UZ | WA | | no | yes |
| Vanuatu | VUT | VU | NH | OZ | | no | yes |
| Venezuela | VEN | VE | VE | SA | | yes | yes |

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| | | | | | | | |
|-------------------------|-----|----|----|----|-----|----|-----|
| Vietnam | VNM | VN | VM | EA | | no | yes |
| Virgin Islands, British | VGB | VG | VI | CA | GBR | no | yes |
| Virgin Islands, U.S. | VIR | VI | VQ | CA | USA | no | yes |
| Wallisand Futuna | WLF | WF | WF | OZ | FRA | no | yes |
| Western Sahara | ESH | EH | WI | AF | | no | yes |
| Yemen | YEM | YE | YM | ME | | no | yes |
| Zambia | ZMB | ZM | ZA | AF | | no | yes |
| Zimbabwe | ZWE | ZW | ZI | AF | | no | yes |



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