



DATAFLUX
data management

What's New in SAS[®] Quality Knowledge Base for Contact Information 22



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What's New in SAS® Quality Knowledge Base for Contact Information 22

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What's New in SAS Quality Knowledge Base for Contact Information 22

The SAS Quality Knowledge Base (QKB) is a collection of files that store data and logic that define data management operations. SAS software products and SAS Data Quality Server reference the QKB when performing data management operations on your data.

This document explains the changes in SAS Quality Knowledge Base for Contact Information (CI) 22.

- [Overview](#)
- [Locale Support](#)
- [Additional Tokens](#)
- [Deprecations](#)
- [Enhancements](#)
- [Pre-Parsed Input](#)

See the QKB CI online Help for additional information.

Overview

SAS QKB CI 22 includes updates for the following locales and definitions:

- All locales
 - E-mail Parse and Standardization definitions
- English locales
 - Contact Info Identification Analysis definition
 - Name (with Combinations) Match definition
- English, New Zealand
 - Address (PO Box Only) Match definition
 - Address (Street Only) Match definition
- English, United States
 - Address definitions
 - Contact Info Extraction and Identification Analysis definitions

- Danish, Denmark
 - o Address definitions
 - o Name Gender Analysis definition
 - o Field Name Match and Identification Analysis definitions
- French, France
 - o Address definitions
 - o Organization Parse definitions
 - o Name Parse definitions
 - o Name/Organization Parse and Identification Analysis definition
 - o Field Name Match and Identification Analysis definitions
 - o Name (with Suggestions) Match definition
- Portuguese, Brazil
 - o Phone, Phone (Detailed) and Phone (Global) Parse definitions
 - o ID Number Standardization definition
 - o Address (Detailed) Parse definition
 - o Profanity Identification Analysis definition
 - o Name Parse definition
 - o Name/Organization Identification Analysis definition

See the [Enhancements](#) section for a detailed list of definitions that have been added, removed, or modified in this release. See the [Deprecations](#) section for a list of definitions that have been deprecated, renamed, or removed in this release.

Note that the file format of libraries in this release differs from the file format of libraries in releases earlier than QKB CI 2010B. Therefore, it is not possible to merge QKB CI 22 into any QKB that was released prior to QKB CI 2010B. It is possible, however, to merge an earlier QKB into QKB CI 22 after installing it into a separate location. See the "Merging Your QKB's" section in the online Help for details.

Locale Support

This release includes support for the following locales:

- Afrikaans, South Africa
- Arabic, Egypt (Partial Support; see QKB documentation)
- Chinese, China
- Czech, Czech Republic

- Danish, Denmark
- Dutch, Belgium
- Dutch, Netherlands
- English, Australia
- English, Canada
- English, Hong Kong (Partial Support; see QKB documentation)
- English, India
- English, New Zealand
- English, South Africa
- English, United Kingdom
- English, United States
- Finnish, Finland
- French, Belgium
- French, Canada
- French, France
- German, Germany
- Greek, Greece
- Hebrew, Israel
- Hungarian, Hungary
- Italian, Italy
- Japanese, Japan
- Korean, South Korea
- Malay, Malaysia
- Norwegian, Norway
- Polish, Poland
- Portuguese, Brazil
- Portuguese, Portugal
- Russian, Russia
- Slovak, Slovakia
- Spanish, Mexico
- Spanish, Spain

- Swedish, Sweden
- Thai, Thailand
- Turkish, Turkey

Additional Tokens

In this release, some Parse definitions are enhanced with additional tokens. Information parsed to the new tokens will be lost unless your jobs are updated to include the new tokens. Please update your jobs to use the updated design. The definitions and the new token names are shown below.

Locale	Definition Name	New Token
Afrikaans, South Africa	E-mail	Additional Info
Arabic, Egypt	E-mail	Additional Info
Chinese, China	E-mail	Additional Info
Czech, Czech Republic	E-mail	Additional Info
Danish, Denmark	E-mail	Additional Info
Dutch, Belgium	E-mail	Additional Info
Dutch, Netherlands	E-mail	Additional Info
English, Australia	E-mail	Additional Info
English, Canada	E-mail	Additional Info
English, Hong Kong	E-mail	Additional Info
English, India	E-mail	Additional Info
English, New Zealand	E-mail	Additional Info
English, South Africa	E-mail	Additional Info
English, United Kingdom	E-mail	Additional Info
English, United States	E-mail	Additional Info
Finnish, Finland	E-mail	Additional Info
French, Belgium	E-mail	Additional Info
French, Canada	E-mail	Additional Info
French, France	E-mail	Additional Info
German, Germany	E-mail	Additional Info
Greek, Greece	E-mail	Additional Info
Hebrew, Israel	E-mail	Additional Info
Hungarian, Hungary	E-mail	Additional Info
Italian, Italy	E-mail	Additional Info
Japanese, Japan	E-mail	Additional Info
Korean, South Korea	E-mail	Additional Info
Malay, Malaysia	E-mail	Additional Info
Norwegian, Norway	E-mail	Additional Info
Polish, Poland	E-mail	Additional Info

Portuguese, Brazil	E-mail	Additional Info
	Name (Global)	Title/Additional Info Suffix
	Phone (Global)	Line Type Extension Additional Info
Portuguese, Portugal	E-mail	Additional Info
Russian, Russia	E-mail	Additional Info
Slovak, Slovakia	E-mail	Additional Info
Spanish, Mexico	E-mail	Additional Info
Spanish, Spain	E-mail	Additional Info
Swedish, Sweden	E-mail	Additional Info
Thai, Thailand	E-mail	Additional Info
Turkish, Turkey	E-mail	Additional Info

Deprecations

SAS deprecates QKB definitions that are scheduled to be removed or renamed. We also deprecate definitions that use output tokens that are scheduled to be removed or renamed. Deprecated definitions are retained in the QKB for one release and are then removed from the QKB in the following release.

You might notice that some new definition names include a version tag denoting the QKB release in which the definition was introduced. This naming convention indicates that a definition is scheduled to be replaced by a new definition that uses an updated or renamed token list. For example, you might see definitions like the following in this release:

- Phone
- Phone (v22)

These names indicate that the "Phone" definition will be replaced by the "Phone (v22)" definition in a subsequent release. The name "Phone" does not change, however. The definition with the version tag in its name, "Phone (v22)", is then deprecated and removed in the following release:

- Phone
- Phone (v22 —> Phone)
- Phone (v22) —> Phone (v22) <deprecated>

The deprecated "Phone (v22)" definition will then be removed in a future release.

The following is a list of definitions that were affected by this deprecation policy in the 2013A or 22 release.

Abbreviation	Description
Add	Definition added
Depr	Definition deprecated in this release
Repl	Definition replaced in this release
Same	Definition not changed in this release
C	Case Definition
G	Gender Analysis Definition
I	Identification Definition
M	Match Definition
P	Parse Definition
A	Pattern Analysis
S	Standardization Definition

Legend for Type of Deprecated Definitions

Notes on legend:

- Definitions marked "Add" are new definitions with updated tokens, match code lengths, or definition name changes. We recommend that you replace calls to current definitions with calls to the newly added definitions in all jobs. Note that names of newly added definitions often include a version tag such as "(v22)".
- Definitions marked "Depr" are deprecated and will be removed or replaced in a future release. Note that names of deprecated definitions often include a version tag such as "(v22)". We recommend that you remove calls to deprecated definitions and replace them with calls to the replacement definitions.
- Definitions marked "Repl" are definitions that are replaced by a copy of another definition, but have retained their original name. Since definitions that are replaced often have new or different tokens or match code lengths, you might need to update your job to use the enhancements if your job calls a definition that is replaced.
- Definitions marked "Same" are definitions that have not been significantly changed in this release but are related to added or deprecated definitions.

Deprecated Language Locales

- [Afrikaans, South Africa](#)
- [Danish, Denmark](#)
- [English, Australia](#)
- [English, Canada](#)
- [English, Hong Kong](#)

- [English, India](#)
- [English, New Zealand](#)
- [English, South Africa](#)
- [English, United Kingdom](#)
- [English, United States](#)
- [French, Canada](#)
- [French, France](#)
- [Portuguese, Brazil](#)

Afrikaans, South Africa

Definition Name	Type of Definition	Action
Contact Info	I	Add
Individual/Organization	I	Depr

Afrikaans, South Africa

Danish, Denmark

Definition Name	Type of Definition	Action
Address	P M	Depr
Address (v22)	P M	Add
Address (Standard)	M	Depr
Address (Street Only)	M	Depr
Address (Street Only) (v22)	M	Add
Name (Matching)	P	Depr

Danish, Denmark

English, Australia

Definition Name	Type of Definition	Action
Contact Info	I	Add
Individual/Organization	I	Depr

English, Australia

English, Canada

Definition Name	Type of Definition	Action
Address (2012A)	P M	Depr
Address	P M	Repl
City (2012A)	M	Depr
City	M	Repl
City - State/Province - Postal Code (2012A)	P M	Depr

Definition Name	Type of Definition	Action
City - State/Province - Postal Code	P M	Repl
Contact Info	I	Same
Individual/Organization	I	Depr
Phone (2012A)	P M	Depr
Phone	P M	Repl
Postal Code (2012A)	M	Depr
Postal Code	M	Repl

English, Canada

English, Hong Kong

Definition Name	Type of Definition	Action
Contact Info	I	Add
Individual/Organization	I	Depr

English, Hong Kong

English, India

Definition Name	Type of Definition	Action
Contact Info	I	Add
Individual/Organization	I	Depr

English, India

English, New Zealand

Definition Name	Type of Definition	Action
Address	P M S	Repl
Address (2013A)	P M S	Depr
City - State/Province - Postal Code	P M S	Repl
City - State/Province - Postal Code (2013A)	P M S	Depr
Contact Info	I	Add
Individual/Organization	I	Depr

English, New Zealand

English, South Africa

Definition Name	Type of Definition	Action
Contact Info	I	Add
Individual/Organization	I	Depr

English, South Africa

English, United Kingdom

Definition Name	Type of Definition	Action
Address (Full)	M	Depr
Address (Full) (2011A)	M	Same
Contact Info	I	Same
Individual/Organization	I	Depr
Name (Title)	M	Depr

English, United Kingdom

English, United States

Definition Name	Type of Definition	Action
Address	P M S	Depr
Address (v22)	P M S	Add
Contact Info	I	Same
Contact Info (v22)	I	Add
Individual/Organization	I	Depr

English, United States

French, Canada

Definition Name	Type of Definition	Action
Name (2012A)	M	Depr
Name	M	Repl
Contact Info	I	Same
Individual/Organization	I	Depr

French, Canada

French, France

Definition Name	Type of Definition	Action
Address	P M S	Repl
Address (2012A)	P M S	Depr
Address (PO Box Only)	M	Repl
Address (PO Box Only) (2012A)	M	Depr
Address (Street Only)	M	Repl
Address (Street Only) (2012A)	M	Depr
City	M	Repl
City (2012A)	M	Depr
E-mail	M	Depr
E-mail (v22)	M	Add
Individual/Organization	P I	Depr
Name/Organization	P I	Add

Definition Name	Type of Definition	Action
Name (2012A)	M	Depr
Name	M	Repl
Phone	M	Repl
Phone (2012A)	M	Depr

French, France

Portuguese, Brazil

Definition Name	Type of Definition	Action
Name	P	Depr
Name (v22)	P	Add
Phone	P	Depr
Phone (v22)	P	Add

Portuguese, Brazil

Enhancements

Note that definitions named with the suffix "(v22)" are the newest definitions. It is recommended that you use these new definitions when possible. Be aware, however, that software version restrictions apply for some definitions. See the section [Deprecations](#) for more details.

The following is a list of definitions that have been added, removed, or modified in this release. See the QKB CI 22 online Help for details about these definitions.

Abbreviation	Description
New	Definition added
Mod	Definition modified
Rem	Definition removed
P	Parse Definition
M	Match Definition
S	Standardization Definition
G	Gender Analysis Definition
I	Identification Definition
C	Case Definition
A	Pattern Analysis Definition
E	Extraction Definition
N	Language Guess Definition
L	Locale Guess Definition

Legend for Change Descriptions

Enhancements Completed in This Release

- [Afrikaans, South Africa](#)
- [Arabic, Egypt](#)
- [Chinese, China](#)
- [Czech, Czech Republic](#)
- [Danish, Denmark](#)
- [Dutch, Belgium](#)
- [Dutch, Netherlands](#)
- [English, Australia](#)
- [English, Canada](#)
- [English, Hong Kong](#)
- [English, India](#)
- [English, New Zealand](#)
- [English, South Africa](#)
- [English, United Kingdom](#)
- [English, United States](#)
- [Finnish, Finland](#)
- [French, Belgium](#)
- [French, Canada](#)
- [French, France](#)
- [German, Germany](#)
- [Greek, Greece](#)
- [Hebrew, Israel](#)
- [Hungarian, Hungary](#)
- [Italian, Italy](#)
- [Japanese, Japan](#)
- [Korean, South Korea](#)

- [Malay, Malaysia](#)
- [Norwegian, Norway](#)
- [Polish, Poland](#)
- [Portuguese, Brazil](#)
- [Portuguese, Portugal](#)
- [Russian, Russia](#)
- [Slovak, Slovakia](#)
- [Spanish, Mexico](#)
- [Spanish, Spain](#)
- [Swedish, Sweden](#)
- [Thai, Thailand](#)
- [Turkish, Turkey](#)

Afrikaans, South Africa

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P M S
Address (Global)	Mod	P
City	Mod	S
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
Contact Info	New	I
Country	Mod	M S
Country (FIPS)	Mod	S
Country (ISO 2 Char)	Mod	S
Country (ISO 3 Char)	Mod	S
Country (ISO Number)	Mod	S
Country (Internet)	Mod	S
Country (Region)	Mod	S
Country (Sub-Region)	Mod	S
Date (DMY)	Mod	M S
Date (DMY) (with Combinations)	New	M
Date (MDY)	Mod	M S
Date (MDY) (with Combinations)	New	M
Date (YMD)	Mod	M S
E-mail	Mod	P M S
E-mail (Validation)	New	I

Definition Name	Action	Type of Definition
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
ID Number	Mod	G
Individual/Organization	Mod	I
Individual/Organization (2011A)	Rem	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (2011A)	Rem	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (with Combinations)	New	M
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (2011A)	Rem	P
Organization (Global)	Mod	P
Organization (Multiple)	Mod	P
Organization (with Site)	Mod	M
Phone	Mod	S
Proper (Address)	Mod	C
Proper (Given Name)	Mod	C
Proper (Name)	Mod	C
Text	Mod	M
URL	Mod	S
Website	Mod	P S

Afrikaans, South Africa

Arabic, Egypt

Definition Name	Action	Type of Definition
E-mail	Mod	P S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Governorate	New	M
Governorate (Arabic to English Transliteration)	New	S
Governorate (English to Arabic Transliteration)	New	S
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L

Definition Name	Action	Type of Definition
Name	Mod	P M S G
Name (Arabic to English Transliteration)	Mod	S
Name (English to Arabic Transliteration)	Mod	S
Name (Global)	Mod	P
Non-Alphanumeric Removal	Mod	S
Phone	Mod	P M S I
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (Legacy Mobile Conversion)	Mod	S
Phone (Multiple Number)	Mod	P
Phone (with Country Code)	Mod	S
Phone (with Governorate)	Mod	S
URL	Mod	S
Website	Mod	P S

Arabic, Egypt

Chinese, China

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P M S
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Street Only)	Mod	M
City	Mod	P M S
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
Country	Mod	L
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Phone	Mod	P M S
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P

Definition Name	Action	Type of Definition
Phone (with Country Code)	Mod	S
Postal Code	Mod	M S
Postal Code (with Country Code)	Mod	S
URL	Mod	S
Website	Mod	P S

Chinese, China

Czech, Czech Republic

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Street Only)	Mod	M
Birth Number	Mod	P S G
City	Mod	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Individual/Organization (2009A)	Rem	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P S
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Phone	Mod	P M S
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
URL	Mod	S
Website	Mod	P S

Czech, Czech Republic

Danish, Denmark

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P M S
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Standard)	Mod	M
Address (Street Only)	Mod	M
Address (Street Only) (v22)	New	M
Address (v22)	New	P M
City	Mod	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	New	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (Trailing Title)	Mod	S
Non-Alphanumeric Removal	Mod	S
Organization	Mod	M
Phone	Mod	S
Proper (Address)	Mod	C
Proper (Address (Full))	Mod	C
URL	Mod	S
Website	Mod	P S

Danish, Denmark

Dutch, Belgium

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P
Address (Global)	Mod	P
City	Mod	M S
City - State/Province - Postal Code	Mod	P M S

Definition Name	Action	Type of Definition
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (No Translation)	Mod	S
Non-Alphanumeric Removal	Mod	S
Organization	Mod	M
Phone	Mod	P M S
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
Street Name	Mod	M
URL	Mod	S
Website	Mod	P S

Dutch, Belgium

Dutch, Netherlands

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Short Street Name)	Mod	S
Address (Street Only)	Mod	M
City	Mod	M S
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
City - State/Province - Postal Code (International)	Mod	S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I

Definition Name	Action	Type of Definition
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Initials)	Mod	M
Name (Multiple Name)	Mod	P
Name (Separate Prepositions)	Mod	P
Name (with Punctuation)	Mod	S
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Abbr)	Mod	M
Organization (Global)	Mod	P
Phone	Mod	P M S
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
Postal Code	Mod	M S
Postal Code (with Country Code)	Mod	S
State/Province	Mod	M S
State/Province (Postal Standard)	Mod	S
URL	Mod	S
Website	Mod	P S

Dutch, Netherlands

English, Australia

Definition Name	Action	Type of Definition
Address	Mod	P M S L
Address (Full)	Mod	P M I
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Street Only)	Mod	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
Contact Info	New	I
Country	Mod	M S
Country (FIPS)	Mod	S
Country (ISO 2 Char)	Mod	S
Country (ISO 3 Char)	Mod	S
Country (ISO Number)	Mod	S
Country (Internet)	Mod	S
Country (Region)	Mod	S
Country (Sub-Region)	Mod	s

Definition Name	Action	Type of Definition
Date (DMY)	Mod	M S
Date (DMY) (with Combinations)	New	M
Date (MDY)	Mod	M S
Date (MDY) (with Combinations)	New	M
Date (YMD)	Mod	M S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Individual/Organization (2011A)	Rem	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (2011A)	Rem	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (with Combinations)	New	M
Name (with Suggestions)	Mod	M
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Organization (Multiple)	Mod	P
Phone	Mod	P M S
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
Proper (Address)	Mod	C
Proper (Given Name)	Mod	C
Proper (Name)	Mod	C
Text	Mod	M
URL	Mod	S
Website	Mod	P S

English, Australia

English, Canada

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (2012A)	Mod	P M
Address (Detailed)	Mod	P
Address (Global)	Mod	P
City	Mod	M S
City (2012A)	Mod	M
City (Scheme Build)	Rem	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (2012A)	Mod	P M
City - State/Province - Postal Code (Global)	Mod	P
City - State/Province - Postal Code (International)	Mod	S
Contact Info	Mod	I
Country	Mod	M S
Country (FIPS)	Mod	S
Country (ISO 2 Char)	Mod	S
Country (ISO 3 Char)	Mod	S
Country (ISO Number)	Mod	S
Country (Internet)	Mod	S
Country (Region)	Mod	S
Country (Sub-Region)	Mod	S
Date (DMY)	Mod	M S
Date (DMY) (with Combinations)	New	M
Date (MDY)	Mod	M S
Date (MDY) (with Combinations)	New	M
Date (YMD)	Mod	M S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Individual/Organization (2011A)	Rem	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (2011A)	Rem	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P

Definition Name	Action	Type of Definition
Name (with Combinations)	New	M
Name (with Suggestions)	Mod	M
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Organization (Multiple)	Mod	P
Phone	Mod	P M S
Phone (2012A)	Mod	P M
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (Validation)	Mod	I
Phone (with Country Code)	Mod	S
Postal Code	Mod	P M S
Postal Code (2012A)	Mod	M
Postal Code (Validation)	Mod	I
Postal Code (with Country Code)	Mod	S
Proper (Given Name)	Mod	C
Proper (Name)	Mod	C
Proper (State/Province)	Rem	C
State/Province	Mod	M S
State/Province (Abbreviation)	Rem	S
State/Province (Full Name)	Rem	S
State/Province (Postal Standard)	Mod	S
Text	Mod	M
Text (Scheme Build)	Rem	M
URL	Mod	S
Website	Mod	P S

English, Canada

English, Hong Kong

Definition Name	Action	Type of Definition
Contact Info	New	I
Country	Mod	M S
Country (FIPS)	Mod	S
Country (ISO 2 Char)	Mod	S
Country (ISO 3 Char)	Mod	S
Country (ISO Number)	Mod	S
Country (Internet)	Mod	S
Country (Region)	Mod	S
Country (Sub-Region)	Mod	S
Date (DMY)	Mod	M S

Definition Name	Action	Type of Definition
Date (DMY) (with Combinations)	New	M
Date (MDY)	Mod	M S
Date (MDY) (with Combinations)	New	M
Date (YMD)	Mod	M S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Individual/Organization (2011A)	Rem	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (2011A)	Rem	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (with Combinations)	New	M
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Organization (Multiple)	Mod	P
Proper (Address)	Mod	C
Proper (Given Name)	Mod	C
Proper (Name)	Mod	C
Text	Mod	M
URL	Mod	S
Website	Mod	P S

English, Hong Kong

English, India

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P
Address (Global)	Mod	P
City	Mod	S
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
Contact Info	New	I
Country	Mod	M S

Definition Name	Action	Type of Definition
Country (FIPS)	Mod	S
Country (ISO 2 Char)	Mod	S
Country (ISO 3 Char)	Mod	S
Country (ISO Number)	Mod	S
Country (Internet)	Mod	S
Country (Region)	Mod	S
Country (Sub-Region)	Mod	S
Date (DMY)	Mod	M S
Date (DMY) (with Combinations)	New	M
Date (MDY)	Mod	M S
Date (MDY) (with Combinations)	New	M
Date (YMD)	Mod	M S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Individual/Organization (2011A)	Rem	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (2011A)	Rem	P M S G
Name (Global)	Mod	P
Name (Matching)	Mod	P
Name (Multiple Name)	Mod	P
Name (with Combinations)	New	M
Name (with Extensions)	Mod	P M
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Organization (Multiple)	Mod	P
Proper (Given Name)	Mod	C
Proper (Name)	Mod	C
State	Mod	S
Text	Mod	M
URL	Mod	S
Website	Mod	P S

English, India

English, New Zealand

Definition Name	Action	Type of Definition
Address	Mod	P M S L
Address (2013A)	Mod	P M S
Address (Extended)	Mod	P M S
Address (Full)	Mod	P
Address (Global)	Mod	P
Address (Matching)	New	P
Address (PO Box Only)	Mod	M
Address (PO Box Only) (v22)	New	M
Address (Standardization)	New	P
Address (Street Only)	Mod	M
Address (Street Only) (v22)	New	M
Address (with Preferred Delivery Info)	Mod	P
City	Mod	M S
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (2013A)	Mod	P M S
Contact Info	New	I
Country	Mod	M S
Country (FIPS)	Mod	S
Country (ISO 2 Char)	Mod	S
Country (ISO 3 Char)	Mod	S
Country (ISO Number)	Mod	S
Country (Internet)	Mod	S
Country (Region)	Mod	S
Country (Sub-Region)	Mod	S
Date (DMY)	Mod	M S
Date (DMY) (with Combinations)	New	M
Date (MDY)	Mod	M S
Date (MDY) (with Combinations)	New	M
Date (YMD)	Mod	M S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Individual/Organization (2011A)	Rem	I
Locale Code	Rem	L

Definition Name	Action	Type of Definition
Name	Mod	P M S G
Name (2011A)	Rem	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (with Combinations)	New	M
Name (with Suggestions)	Mod	M
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Organization (Multiple)	Mod	P
Phone	Mod	P M S I
Phone (2011A)	Rem	P M I
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
Proper (Address)	Mod	C
Proper (Given Name)	Mod	C
Proper (Name)	Mod	C
Text (Scheme Build)	Rem	M
URL	Mod	S
Website	Mod	P S

English, New Zealand

English, South Africa

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P M S
Address (Global)	Mod	P
City	Mod	S
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
Contact Info	New	I
Country	Mod	M S
Country (FIPS)	Mod	S
Country (ISO 2 Char)	Mod	S
Country (ISO 3 Char)	Mod	S
Country (ISO Number)	Mod	S
Country (Internet)	Mod	S
Country (Region)	Mod	S
Country (Sub-Region)	Mod	S
Date (DMY)	Mod	M S

Definition Name	Action	Type of Definition
Date (DMY) (with Combinations)	New	M
Date (MDY)	Mod	M S
Date (MDY) (with Combinations)	New	M
Date (YMD)	Mod	M S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
ID Number	Mod	G
Individual/Organization	Mod	I
Individual/Organization (2011A)	Rem	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (2011A)	Rem	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (with Combinations)	New	M
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (2011A)	Rem	P
Organization (Global)	Mod	P
Organization (Multiple)	Mod	P
Organization (with Site)	Mod	M
Phone	Mod	S
Proper (Address)	Mod	C
Proper (Given Name)	Mod	C
Proper (Name)	Mod	C
Text	Mod	M
URL	Mod	S
Website	Mod	P S

English, South Africa

English, United Kingdom

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P M
Address (Full) (2011A)	Mod	M
Address (Full) (with Combinations)	Mod	M

Definition Name	Action	Type of Definition
Address (Global)	Mod	P
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
Contact Info	Mod	I
Country	Mod	M S
Country (FIPS)	Mod	S
Country (ISO 2 Char)	Mod	S
Country (ISO 3 Char)	Mod	S
Country (ISO Number)	Mod	S
Country (Internet)	Mod	S
Country (Region)	Mod	S
Country (Sub-Region)	Mod	S
Date (DMY)	Mod	M S
Date (DMY) (with Combinations)	New	M
Date (MDY)	Mod	M S
Date (MDY) (with Combinations)	New	M
Date (YMD)	Mod	M S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Individual/Organization (2011A)	Rem	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (2011A)	Rem	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (Title)	Mod	M
Name (with Combinations)	New	M
Name (with Suggestions)	Mod	M
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Organization (Multiple)	Mod	P
Phone	Mod	P M S I
Phone (2011A)	Rem	P M
Phone (Electronic)	Mod	S

Definition Name	Action	Type of Definition
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
Postal Code	Mod	M S
Postal Code (Validation)	Mod	I
Postal Code (with Country Code)	Mod	S
Proper (Address)	Mod	C
Proper (Given Name)	Mod	C
Proper (Name)	Mod	C
Text	Mod	M
Text (Scheme Build)	Rem	M
URL	Mod	S
Website	Mod	P S

English, United Kingdom

English, United States

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	New	P
Address (Global)	Mod	P
Address (Long)	Mod	M
Address (v22)	New	P M S
City	Mod	M S
City (Scheme Build)	Rem	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
Contact Info	Mod	I
Contact Info	New	E
Contact Info (v22)	New	I
Country	Mod	M S
Country (FIPS)	Mod	S
Country (ISO 2 Char)	Mod	S
Country (ISO 3 Char)	Mod	S
Country (ISO Number)	Mod	S
Country (Internet)	Mod	S
Country (Region)	Mod	S
Country (Sub-Region)	Mod	S
Date (DMY)	Mod	M S
Date (DMY) (with Combinations)	New	M
Date (MDY)	Mod	M S
Date (MDY) (with Combinations)	New	M
Date (YMD)	Mod	M S

Definition Name	Action	Type of Definition
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Individual/Organization (2011A)	Rem	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (2011A)	Rem	P M S G
Name (Address Update)	Mod	P
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (with Combinations)	New	M
Name (with Suggestions)	Mod	M
Name/Organization	Mod	P
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Organization (Multiple)	Mod	P
Phone	Mod	P M S
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (Validation)	Mod	I
Phone (with Country Code)	Mod	S
Postal Code	Mod	P M S
Proper (Address)	Mod	C
Proper (Given Name)	Mod	C
Proper (Name)	Mod	C
State (Scheme Build)	Rem	M
Text	Mod	M
Text (Long)	Mod	M
Text (Scheme Build - Long)	Rem	M
Text (Scheme Build)	Rem	M
URL	Mod	S
Website	Mod	P S

English, United States

Finnish, Finland

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P M S
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Street Only)	Mod	M
City	Mod	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (No Translation)	Mod	S
Name (Swedish)	Mod	S
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Phone	Mod	P M S
Phone (Global)	Mod	P
Phone (with country code)	Mod	S
URL	Mod	S
Website	Mod	P S

Finnish, Finland

French, Belgium

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P
Address (Global)	Mod	P
City	Mod	M S
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I

Definition Name	Action	Type of Definition
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (No Translation)	Mod	S
Non-Alphanumeric Removal	Mod	S
Organization	Mod	M
Phone	Mod	P M S
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
Street Name	Mod	M
URL	Mod	S
Website	Mod	P S

French, Belgium

French, Canada

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (2012A)	Mod	P M
Address (Detailed)	Mod	P
Address (Global)	Mod	P
City	Mod	M S
City (2012A)	Mod	M
City (Scheme Build)	Rem	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (2012A)	Mod	P M
City - State/Province - Postal Code (Global)	Mod	P
City - State/Province - Postal Code (International)	Mod	S
Contact Info	Mod	I
Country	Mod	M S
Country (FIPS)	Mod	S
Country (ISO 2 Char)	Mod	S
Country (ISO 3 Char)	Mod	S
Country (ISO Number)	Mod	S
Country (Internet)	Mod	S
Country (Region)	Mod	S
Country (Sub-Region)	Mod	S

Definition Name	Action	Type of Definition
Date (DMY)	Mod	M S
Date (DMY) (with Combinations)	New	M
Date (MDY)	Mod	M S
Date (MDY) (with Combinations)	New	M
Date (YMD)	Mod	M S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Individual/Organization (2011A)	Rem	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (2011A)	Rem	P M S G
Name (2012A)	Mod	M
Name (Global)	Mod	P
Name (Matching)	Rem	P
Name (Multiple Name)	Mod	P
Name (with Combinations)	New	M
Name (with Suggestions)	Mod	M
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Organization (Multiple)	Mod	P
Phone	Mod	P M S
Phone (2012A)	Mod	P M
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (Validation)	Mod	I
Phone (with Country Code)	Mod	S
Postal Code	Mod	P M S
Postal Code (2012A)	Mod	M
Postal Code (Validation)	Mod	I
Postal Code (with Country Code)	Mod	S
Proper (Given Name)	Mod	C
Proper (Name)	Mod	C
State/Province	Mod	M S
State/Province (Abbreviation)	Rem	S

Definition Name	Action	Type of Definition
State/Province (Full Name)	Rem	S
State/Province (Postal Standard)	Mod	S
Text	Mod	M
Text (Scheme Build)	Rem	M
URL	Mod	S
Website	Mod	P S

French, Canada

French, France

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (2012A)	Mod	P M S
Address (AFNOR)	New	S
Address (Detailed)	Mod	P
Address (Full)	New	P
Address (Full) (AFNOR)	New	P
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (PO Box Only) (2012A)	Mod	M
Address (Street Only)	Mod	M
Address (Street Only) (2012A)	Mod	M
City	Mod	M S
City (2012A)	Mod	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
Country	Mod	S
Country (ISO 2 Char)	Mod	S
Country (ISO 3 Char)	Mod	S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (v22)	New	M
E-mail (with Combinations)	New	M
Field Name	New	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	P I
Locale Code	Rem	L
Name	Mod	P M S G
Name (2011A)	Rem	P
Name (2012A)	Mod	M

Definition Name	Action	Type of Definition
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (with Suggestions)	New	M
Name/Organization	New	P I
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Organization (Upper)	Mod	S
Phone	Mod	P M S
Phone (2012A)	Mod	M
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (International Format)	Rem	S
Phone (with Country Code)	Mod	S
Proper (Name)	Mod	C
Social Security Number	Mod	P
Social Security Number (Printed)	Mod	S
Text	Mod	M
URL	Mod	S
Website	Mod	P S

French, France

German, Germany

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Street Only)	Mod	M
City	Mod	P M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P

Definition Name	Action	Type of Definition
Name (Multiple Name)	Mod	P
Name (with Suggestions)	New	M
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Phone	Mod	P M S
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
Text	Mod	M
URL	Mod	S
Website	Mod	P S

German, Germany

Greek, Greece

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Street Only)	Mod	M
City	Mod	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
City - State/Province - Postal Code (International)	Mod	S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
ID Card Number	Mod	I
Individual/Organization	Mod	I
Island	Mod	M
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P S
Name (Salutation)	Mod	S
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S

Definition Name	Action	Type of Definition
Organization (Global)	Mod	P
Phone	Mod	P M S
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
Postal Code	Mod	M S
Postal Code (with Country Code)	Mod	S
Social Security Number	Mod	S
State/Province	Mod	M
Tax ID	Mod	P S
URL	Mod	S
Website	Mod	P S

Greek, Greece

Hebrew, Israel

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Detailed)	Mod	P
Address (Full)	Mod	P M
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Street Only)	Mod	M
City	Mod	M S
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
City - State/Province - Postal Code (International)	Mod	S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Field Name	Mod	M I
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Phone	Mod	P M S
Phone (Electronic)	Mod	S

Definition Name	Action	Type of Definition
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
Postal Code	Mod	M S
Postal Code (with Country Code)	Mod	S
URL	Mod	S
Website	Mod	P S

Hebrew, Israel

Hungarian, Hungary

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P M S
Address (Global)	Mod	P
City	Mod	M
City - State/Province - Postal Code	Mod	M
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Locale Code	Rem	L
Name	Mod	P M S G I
Name (Global)	Mod	P
Name (Marriage Name Only)	Mod	M
Name (Multiple Name)	Mod	P
Name (with Infix)	Mod	P
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Text	Mod	M
URL	Mod	S
Website	Mod	P S

Hungarian, Hungary

Italian, Italy

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P
Address (Global)	Mod	P

Definition Name	Action	Type of Definition
Address (PO Box Only)	Mod	M
Address (Postal Standard)	Mod	S
Address (Street Only)	Mod	M
City	Mod	M S
City (Postal Standard)	Mod	S
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
City - State/Province - Postal Code (International)	Mod	S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Name (with Family Name Extension)	Mod	P
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Phone	Mod	P M S
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (Separate Mobile Prefix)	Mod	P
Phone (with Country Code)	Mod	S
Postal Code	Mod	M S
Postal Code (with Country Code)	Mod	S
Social Security Number	Mod	P M G
Social Security Number (Birth Date)	Mod	S
State/Province	Mod	M S
State/Province (Postal Standard)	Mod	S
Text	Mod	M
URL	Mod	S
Website	Mod	P S

Italian, Italy

Japanese, Japan

Definition Name	Action	Type of Definition
Address (Full)	Mod	M
City	Mod	M
City - State/Province - Postal Code	Mod	M
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Non-Alphanumeric Removal	Mod	S
Phone	Mod	P M S
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
URL	Mod	S
Website	Mod	P S

Japanese, Japan

Korean, South Korea

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Apartment Only)	Mod	M
Address (Full)	Mod	P M S
Address (Full) (Apartment Only)	Mod	M
Address (Full) (PO Box Only)	Mod	M
Address (Full) (Street Only)	Mod	M
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Street Only)	Mod	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S I
E-mail (Multiple Address)	Mod	P
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P

Definition Name	Action	Type of Definition
Locale Code	Rem	L
Non-Alphanumeric Removal	Mod	S
Proper (Organization)	Mod	C
URL	Mod	S
Website	Mod	P S

Korean, South Korea

Malay, Malaysia

Definition Name	Action	Type of Definition
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Proper (Organization)	Mod	C
URL	Mod	S
Website	Mod	P S

Malay, Malaysia

Norwegian, Norway

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P M
Address (Global)	Mod	P
Address (Neighbourhood Only)	Mod	M
Address (PO Box Only)	Mod	M
Address (Street Only)	Mod	M
City	Mod	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S

Definition Name	Action	Type of Definition
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Name	Mod	P M S G
Name (Extended)	Mod	M
Name (Global)	Mod	P
Non-Alphanumeric Removal	Mod	S
Organization	Mod	M
URL	Mod	S
Website	Mod	P S

Norwegian, Norway

Polish, Poland

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Global)	Mod	P
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
Country	Mod	M S
Country (ISO 2 Char)	Mod	S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization (2008A)	Rem	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P S
Name (Single/Multiple)	Mod	I
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Phone	Mod	P M S
Phone (Global)	Mod	P

Definition Name	Action	Type of Definition
URL	Mod	S
Website	Mod	P S

Polish, Poland

Portuguese, Brazil

Definition Name	Action	Type of Definition
Address (Detailed)	New	P
City	Mod	S
City - State/Province - Postal Code	Mod	S
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
ID Number (CNPJ)	New	S
ID Number (CNPJ) (Electronic)	New	S
ID Number (CPF)	New	S
ID Number (CPF) (Electronic)	New	S
Locale Code	Rem	L
Name	Mod	P M G
Name (Global)	Mod	P
Name (v22)	New	P
Name/Organization	New	I
Non-Alphanumeric Removal	Mod	S
Offensive	New	I
Phone	Mod	P M S
Phone (Detailed)	New	P
Phone (Global)	Mod	P
Phone (v22)	New	P
Proper	Mod	C
URL	Mod	S
Website	Mod	P S

Portuguese, Brazil

Portuguese, Portugal

Definition Name	Action	Type of Definition
Address	Mod	M S
Address (Full)	Mod	P
City - State/Province - Postal Code	Mod	P M S

Definition Name	Action	Type of Definition
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Non-Alphanumeric Removal	Mod	S
Organization	Mod	M S
Phone	Mod	P M S
Phone (Global)	Mod	P
URL	Mod	S
Website	Mod	P S

Portuguese, Portugal

Russian, Russia

Definition Name	Action	Type of Definition
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Non-Alphanumeric Removal	Mod	S
Phone	Mod	S
Phone (Replace Obsolete Area Codes)	Mod	S
URL	Mod	S
Website	Mod	P S

Russian, Russia

Slovak, Slovakia

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Street Only)	Mod	M
Birth Number	Mod	P S G

Definition Name	Action	Type of Definition
City	Mod	M S
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Individual/Organization	Mod	I
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P S
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Phone	Mod	P M S
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
Proper (Address)	Mod	C
URL	Mod	S
Website	Mod	P S

Slovak, Slovakia

Spanish, Mexico

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Global)	Mod	P
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P

Definition Name	Action	Type of Definition
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Phone (Global)	Mod	P
Text	Mod	M
URL	Mod	S
Website	Mod	P S

Spanish, Mexico

Spanish, Spain

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P
Address (Global)	Mod	P
Address (PO Box Only)	Mod	M
Address (Street Only)	Mod	M
City	Mod	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Non-Alphanumeric Removal	Mod	S
Organization	Mod	P M S
Organization (Global)	Mod	P
Phone	Mod	P M S
Phone (Electronic)	Mod	S
Phone (Global)	Mod	P
Phone (with Country Code)	Mod	S
Text	Mod	M
URL	Mod	S
Website	Mod	P S

Spanish, Spain

Swedish, Sweden

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P S
Address (Global)	Mod	P
Address (PO Box only)	Mod	M
Address (Street only)	Mod	M
City	Mod	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Name	Mod	P M S G
Name (Global)	Mod	P
Name (Multiple Name)	Mod	P
Non-Alphanumeric Removal	Mod	S
Organization	Mod	M
URL	Mod	S
Website	Mod	P S

Swedish, Sweden

Thai, Thailand

Definition Name	Action	Type of Definition
E-mail	Mod	P M S
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Non-Alphanumeric Removal	Mod	S
Phone (Global)	Mod	P
URL	Mod	S
Website	Mod	P S

Thai, Thailand

Turkish, Turkey

Definition Name	Action	Type of Definition
Address	Mod	P M S
Address (Full)	Mod	P
Address (Global)	Mod	P
City	Mod	M
City - State/Province - Postal Code	Mod	P M S
City - State/Province - Postal Code (Global)	Mod	P
E-mail	Mod	P M S
E-mail (Multi-Address)	Mod	P
E-mail (Validation)	New	I
E-mail (with Combinations)	New	M
Hyphen/Dash Space Replacement	Mod	S
IBAN	Mod	P
IBAN (Detailed)	Mod	P
Locale Code	Rem	L
Name	Mod	P M S
Name (Global)	Mod	P
Non-Alphanumeric Removal	Mod	S
Organization	Mod	M
Phone	Mod	P M S
Phone (Global)	Mod	P
URL	Mod	S
Website	Mod	P S

Turkish, Turkey

Pre-Parsed Input

Some Standardization, Match, and Gender Analysis definitions can be called with pre-parsed input in DataFlux Data Management Studio Data Jobs and SAS Data Quality Server. Please note that in this release, some definitions that previously accepted pre-parsed input no longer do so. These definitions are shown below.

Abbreviation	Description
G	Gender Analysis Definition
M	Match Definition
S	Standardization Definition

Legend for Type of Definitions

English, Canada

Definition Name	Type of Definition
Address	M
City - State/Province - Postal Code	M
Phone	M

English, New Zealand

Definition Name	Type of Definition
Address	M S

French, France

Definition Name	Type of Definition
Address	M
Address (PO Box Only)	M
Address (Street Only)	M