

What's New in **SAS® Quality Knowledge Base for Contact Information 30**

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What's New in SAS Quality Knowledge Base for Contact Information 30

The SAS Quality Knowledge Base (QKB) is a collection of files that store data and logic that define data management operations. SAS software products 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) 30.

- [Overview](#)
- [QKB Locales](#)
- [Deprecations and Enhancements Requiring Job Changes](#)
- [New Definitions](#)
- [Modified Definitions](#)
- [Known Problems](#)

See the SAS Quality Knowledge Base for Contact Information 30 online Help for additional information. For information about previous releases, see the SAS Quality Knowledge Base product page at <http://support.sas.com/documentation/onlinedoc/qkb/>.

Overview

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 30 into any QKB that was released prior to QKB CI 2010B. If a merge is desired, first install QKB CI 30 in a new location and then merge the QKB CI version prior to 2010B into QKB CI 30. See the QKB Merge Tool section in the DataFlux Data Management Studio online Help for details.

SAS QKB CI 30 includes updates for the following locales and definitions:

Danish, Denmark

- Field Content identification analysis definition

English, United States

- Address match, parse, and standardization definitions
- Field Content identification analysis definition

French, France

- Country standardization definition
- Field Content identification analysis definition

Japanese, Japan

- Address (Full) parse and standardization definitions

All English locales plus Afrikaans, South Africa and French, Canada

- Country standardization definition
- Country (Region) standardization definition
- Country (Sub-Region) standardization definition

All locales

- Country match definition
- Country (ISO 2 Char) standardization definition
- Country (ISO 3 Char) standardization definition
- Country (ISO Number) standardization definition
- IBAN parse definition

QKB Locales

This release includes the following locales:

Afrikaans, South Africa	English, United Kingdom	Norwegian, Norway
Arabic, Egypt	English, United States	Polish, Poland
Chinese, China	Finnish, Finland	Portuguese, Brazil
Czech, Czech Republic	French, Belgium	Portuguese, Portugal
Danish, Denmark	French, Canada	Russian, Russia
Dutch, Belgium	French, France	Slovak, Slovakia
Dutch, Netherlands	German, Germany	Slovenian, Slovenia
English, Australia	Greek, Greece	Spanish, Mexico
English, Canada	Hebrew, Israel	Spanish, Spain
English, Hong Kong	Hungarian, Hungary	Swedish, Sweden
English, India	Italian, Italy	Thai, Thailand
English, New Zealand	Japanese, Japan	Turkish, Turkey

English, Philippines	Korean, South Korea	
English, South Africa	Malay, Malaysia	

Deprecations and Enhancements Requiring Job Changes

The tables below list each locale's deprecated and related definitions in this QKB release. The tables describe the status and suggested action. The [Deprecation Actions](#) section describes the actions that are necessary to keep data quality jobs functioning properly in more detail. The deprecation process is fully described in the [Deprecation Policy](#) topic in the SAS QKB online Help documentation.

Danish, Denmark

Definition Name	Definition Type	Status	Action
Field Content	Identification Analysis	Enhanced	Modify jobs to use the updated definition: <ul style="list-style-type: none"> Identity names have changed
Field Content (v29)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition
Individual/Organization	Identification Analysis	Deprecated	Replace with the Field Content identification analysis definition
Org/Individual/Address	Identification Analysis	Deprecated	Replace with the Field Content identification analysis definition

English, United States

Definition Name	Definition Type	Status	Action
Address	Match	Enhanced	Modify jobs to use the updated definition: <ul style="list-style-type: none"> Match code length has increased
Address (v29)	Match	Removed	Replace with the Address match definition

Definition Name	Definition Type	Status	Action
Contact Info	Identification Analysis	Deprecated	Replace with the Field Content identification analysis definition
Field Content	Identification Analysis	Enhanced	Modify jobs to use the updated definition: <ul style="list-style-type: none"> Identity names have changed
Field Content (v29)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition

French, France

Definition Name	Definition Type	Status	Action
Field Content	Identification Analysis	Enhanced	Modify jobs to use the updated definition: <ul style="list-style-type: none"> Identity names have changed
Field Content (v29)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition
Name/Organization	Identification Analysis	Deprecated	Replace with the Field Content identification analysis definition

German, Germany

Definition Name	Definition Type	Status	Action
Individual/Organization	Identification Analysis	Deprecated	Replace with the Field Content identification analysis definition

Italian, Italy

Definition Name	Definition Type	Status	Action
Individual/Organization	Identification Analysis	Deprecated	Replace with the Field Content identification analysis definition

Japanese, Japan

Definition Name	Definition Type	Status	Action
Address (Full)	Parse	Enhanced	Modify jobs to use the updated definition: <ul style="list-style-type: none">Token names have changed
Address (Full) (v29)	Parse	Deprecated	Modify jobs or the QKB to use the desired definition

Deprecation Actions

Discontinue use

This definition is no longer supported and will be removed in a future release.

Replace with

This definition is no longer supported and will be removed in a future release. Switch any jobs that use the definition to use the replacement definition specified.

Modify jobs or the QKB to use the desired definition

Each definition that has been enhanced will also have a copy of the original version. The original definition is tagged and deprecated to be replaced by an enhanced definition that requires job changes. The required job changes for the enhanced definition are described in the Deprecation Action section. Users can do one of the following three options:

1. Modify their jobs to fit the new definition.
2. Modify their jobs to use the old QKB.
3. Modify the QKB by removing or renaming the new definition and then untag the old definition.

Users are encouraged to modify their jobs to take advantage of the enhanced processing.

Modify jobs to use the updated definition

1. Identity names have changed
The identity names of the definition have changed. This change requires an update to jobs that use the definition so that the identity names that are specified in those jobs match the names in the definition.
2. Pre-parsed input changes
Certain data quality functions expect input data that has been previously parsed. In SAS Data Quality Server, these functions are

DQGENDERPARSED and DQMATCHPARSED. In DataFlux Data Management Studio the nodes are Gender Analysis (Parsed), Standardization (Parsed), and Match Codes (Parsed).

- Definition no longer accepts pre-parsed input
If this definition is called by any of the pre-parsed input data quality functions or nodes, change it to use the corresponding function or node that does not expect pre-parsed input and provide the input as a single field. Jobs using functions or nodes without PARSED or (Parsed) will not require an update.
 - Pre-parsed input tokens have changed
If this definition is called by any of the pre-parsed input data quality functions or nodes, change the mapping of the input fields to the tokens used by the enhanced definition. Jobs using functions or nodes without PARSED or (Parsed) will not require an update.
3. Output tokens have changed
Update jobs using the definition so that the output tokens of the enhanced definition are expected by those jobs.
 4. Match code length has increased
Check any jobs using the definition to ensure that the match code fields can accommodate a match code with the new length.

New Definitions

None.

Modified Definitions

The tables below list definitions that have been modified in this release. See the online Help for details about these definitions.

Afrikaans, South Africa

Definition Name	Type of Definition
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
Country (Region)	Standardization
Country (Sub-Region)	Standardization
IBAN	Parse

Arabic, Egypt

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Chinese, China

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Czech, Czech Republic

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Danish, Denmark

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Dutch, Belgium

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Dutch, Netherlands

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

English, Australia

Definition Name	Type of Definition
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
Country (Region)	Standardization
Country (Sub-Region)	Standardization
IBAN	Parse

English, Canada

Definition Name	Type of Definition
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
Country (Region)	Standardization

Definition Name	Type of Definition
Country (Sub-Region)	Standardization
IBAN	Parse
State/Province	Standardization

English, Hong Kong

Definition Name	Type of Definition
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
Country (Region)	Standardization
Country (Sub-Region)	Standardization
IBAN	Parse

English, India

Definition Name	Type of Definition
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
Country (Region)	Standardization
Country (Sub-Region)	Standardization
IBAN	Parse

English, New Zealand

Definition Name	Type of Definition
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
Country (Region)	Standardization
Country (Sub-Region)	Standardization

Definition Name	Type of Definition
IBAN	Parse

English, Philippines

Definition Name	Type of Definition
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
Country (Region)	Standardization
Country (Sub-Region)	Standardization
IBAN	Parse

English, South Africa

Definition Name	Type of Definition
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
Country (Region)	Standardization
Country (Sub-Region)	Standardization
IBAN	Parse

English, United Kingdom

Definition Name	Type of Definition
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
Country (Region)	Standardization
Country (Sub-Region)	Standardization
IBAN	Parse

English, United States

Definition Name	Type of Definition
Address	Parse and Standardization
Address (Detailed)	Parse
Address (Global)	Parse
Address (PO Box Only)	Match
Address (Street Only)	Match
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
Country (Region)	Standardization
Country (Sub-Region)	Standardization
IBAN	Parse

Finnish, Finland

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

French, Belgium

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

French, Canada

Definition Name	Type of Definition
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
Country (Region)	Standardization
Country (Sub-Region)	Standardization
IBAN	Parse
State/Province	Standardization

French, France

Definition Name	Type of Definition
Country	Match and Standardization
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

German, Germany

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Greek, Greece

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization

Definition Name	Type of Definition
IBAN	Parse

Hebrew, Israel

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Hungarian, Hungary

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Italian, Italy

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Japanese, Japan

Definition Name	Type of Definition
Address (Full)	Standardization
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization

Definition Name	Type of Definition
Country (ISO Number)	Standardization
IBAN	Parse

Korean, South Korea

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Malay, Malaysia

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Norwegian, Norway

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Polish, Poland

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization

Definition Name	Type of Definition
Country (ISO Number)	Standardization
IBAN	Parse

Portuguese, Brazil

Definition Name	Type of Definition
City	Match and Standardization
City - State/Province - Postal Code	Match and Standardization
City - State/Province - Postal Code (International)	Standardization
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Portuguese, Portugal

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Russian, Russia

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Slovak, Slovakia

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Spanish, Mexico

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Spanish, Spain

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Swedish, Sweden

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Thai, Thailand

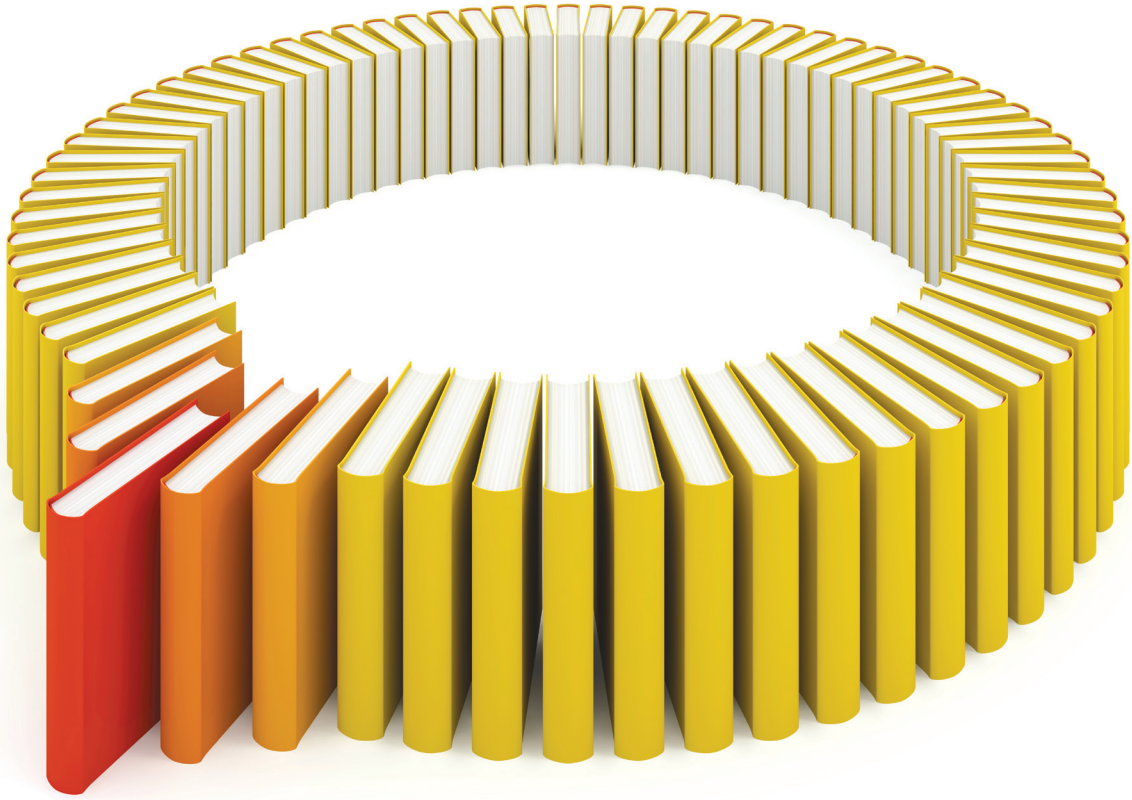
Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Turkish, Turkey

Definition Name	Type of Definition
Country	Match
Country (ISO 2 Char)	Standardization
Country (ISO 3 Char)	Standardization
Country (ISO Number)	Standardization
IBAN	Parse

Known Problems

- Due to the complexity of full addresses, jobs using **Address (Full)** match, parse, and standardization definitions might take a long time to complete.
- Due to the complexity of Indian addresses, jobs using the **Address**, **Address (Global)**, and **Address (Full)** match, parse, and standardization definitions in the English, India locale might show higher rates of error than are typical for other definitions. Jobs using these definitions might also take a long time to complete.
- Due to the large number of possible telephone area codes in Germany, extensive processing is required to parse German telephone numbers. Therefore, jobs run using the **Phone** match, parse, and standardization definitions in the German, Germany locale might take a long time to complete.
- When multiple locales are selected, the QKB installer for Windows might overestimate the amount of disk space required to complete the installation.



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