

What's New in SAS® Quality Knowledge Base for Contact Information 31

The correct bibliographic citation for this manual is as follows: SAS Institute Inc. 2019. What's New in SAS® Quality Knowledge Base for Contact Information 31. Cary, NC: SAS Institute Inc.

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June 2019

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What's New in SAS Quality Knowledge Base for Contact Information 31

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) 31.

- Overview
- QKB Locales
- Changes in the QKB
- Known Problems

See the SAS Quality Knowledge Base for Contact Information 31 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

SAS QKB CI 31 includes updates for the following locales and definitions:

English, United Kingdom

- Field Content identification analysis definition added English, United States
- Field Content identification analysis definition updated German, Germany
- = 110
- Field Content identification analysis definition updated Italian, Italy
- Field Content identification analysis definition updated Japanese, Japan
 - Address (Full) match definition updated

Norwegian, Norway

• Field Content identification analysis definition added

All locales

- The following definitions have improved Leap Year processing:
 - Date (DMY Validation Numeric Only) identification analysis definition
 - Date (MDY Validation Numeric Only) identification analysis definition

- Date (YMD Validation Numeric Only) identification analysis definition
- Field Name identification analysis definition is now available for all locales:
 - Languages supported are: English, Danish, French, German, Hebrew, and Chinese
 - The identities were synced with the Identities produced by the Field Content identification analysis definitions

The latest SAS QKB CI documentation is available on the SAS Quality Knowledge Base support page

(http://support.sas.com/documentation/onlinedoc/qkb/index.html).

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 31 into any QKB that was released prior to QKB CI 2010B. If a merge is desired, first install QKB CI 31 in a new location and then merge the QKB CI version prior to 2010B into QKB CI 31. See the QKB Merge Tool section in the DataFlux Data Management Studio online Help for details.

QKB Locales

This release includes the following locales:

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

Changes in the QKB

This section is organized by locale. Tables display the deprecations and enhancements made in this QKB. In some cases, changes to your data job are required. The **Deprecation Actions** section describes the actions that are necessary to keep data quality jobs properly functioning. The deprecation process is fully described in the **Deprecation Policy** topic in the SAS QKB online Help documentation. Definitions with a status of Added or Modified do not require changes to data jobs. See the online Help for details about these definitions.

If a locale shows **None**, it means no changes were made to the locale.

	Definition		Action if Job Change
Definition Name	Туре	Status	Required
Afrikaans, South Africa	a		
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No potion required
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Field Name	Identification Analysis	New	
Arabic, Egypt			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Field Name	Identification Analysis	New	
Chinese, China			
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have
			changed
Field Name (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	No action required.

Definition Name	Definition Type	Status	Action if Job Change Required		
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified			
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified			
Czech, Czech Republic					
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified			
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required		
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.		
Field Name	Identification Analysis	New			
Danish, Denmark					
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have changed		
Field Name (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition		
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified			
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified			
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required		
Field Content (v29)	Identification Analysis	Removed	No action required.		
Individual/Organization	Identification Analysis	Removed			
Org/Individual/Address	Identification Analysis	Removed			
Dutch, Belgium	Dutch, Belgium				
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	No action required		
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.		

Definition Name	Definition Type	Status	Action if Job Change Required
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
Field Name	Identification Analysis	New	
Dutch, Netherlands			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Field Name	Identification Analysis	New	
English, Australia			
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have changed
Field Name (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
English, Canada			
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have changed
Field Name (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	No action required.

Definition Name	Definition Type	Status	Action if Job Change Required
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
English, Hong Kong			
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have
Field Name (v30)	Identification Analysis	Deprecated	changed Modify jobs or the QKB to use the desired definition
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
English, India			
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have changed
Field Name (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
English, New Zealand			
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have changed
Field Name (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition

Definition Name	Definition Type	Status	Action if Job Change Required
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
English, Philippines			
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have changed
Field Name (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
English, South Africa			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Field Name	Identification Analysis	New	
English, United Kingdo	om		
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have changed
Field Name (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	No action required
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.

Definition Name	Definition Type	Status	Action if Job Change Required		
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified			
Field Content	Identification Analysis	New			
English, United States					
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have changed		
Field Name (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition		
Contact Info	Identification Analysis	Removed			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified			
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.		
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified			
Field Content (v29)	Identification Analysis	Removed			
Finnish, Finland					
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified			
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required		
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.		
Field Name	Identification Analysis	New			
French, Belgium	French, Belgium				
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified			
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.		
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified			

Definition Name	Definition Type	Status	Action if Job Change Required
Field Name	Identification Analysis	New	
French, Canada			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	ino action required.
Field Name	Identification Analysis	New	
French, France			
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have changed
Field Name (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Field Content (v29)	Identification Analysis	Removed	
Name/Organization	Identification Analysis	Removed	
German, Germany			
Field Content	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have
			changed
Field Content (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	No action required.

Definition Name	Definition Type	Status	Action if Job Change Required
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
Individual/Organization	Identification Analysis	Removed	
Greek, Greece			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	no action required.
Field Name	Identification Analysis	New	
Hebrew, Israel			
Field Name	Identification Analysis	Enhanced	Modify jobs to use the updated definition: • Identity names have changed
Field Name (v30)	Identification Analysis	Deprecated	Modify jobs or the QKB to use the desired definition
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
Hungarian, Hungary			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Field Name	Identification Analysis	New	
Italian, Italy			

Definition Name	Definition Type	Status	Action if Job Change Required
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Field Name	Identification Analysis	New	
Individual/Organization	Identification Analysis	Removed	
Japanese, Japan			
Address (Full)	Match	Modified	
Address (Full) (v29)	Parse	Removed	
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	nto dellon required.
Field Content (v29)	Identification Analysis	Removed	
Field Name	Identification Analysis	New	
Korean, South Korea			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Field Name	Identification Analysis	New	
Malay, Malaysia			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	No action required
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.

Definition Name	Definition Type	Status	Action if Job Change Required
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
Field Name	Identification Analysis	New	
Norwegian, Norway			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Field Content	Identification Analysis	New	
Field Name	Identification Analysis	New	
Polish, Poland			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	ino action required.
Field Name	Identification Analysis	New	
Portuguese, Brazil			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	ino action required.
Field Name	Identification Analysis	New	
Portuguese, Portugal			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	no action required.

Definition Name	Definition Type	Status	Action if Job Change Required
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
Field Name	Identification Analysis	New	
Russian, Russia			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	no action required.
Field Name	Identification Analysis	New	
Slovak, Slovakia			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No potion required
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Field Name	Identification Analysis	New	
Slovenian, Slovenia			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	ino action required.
Field Name	Identification Analysis	New	
Spanish, Mexico			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	

Definition Name	Definition Type	Status	Action if Job Change Required
Field Name	Identification Analysis	New	
Spanish, Spain			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
Field Name	Identification Analysis	New	
Swedish, Sweden			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
Field Name	Identification Analysis	New	
Thai, Thailand			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
Field Name	Identification Analysis	New	
Turkish, Turkey			
Date (DMY Validation - Numeric Only)	Identification Analysis	Modified	No action required.
Date (MDY Validation - Numeric Only)	Identification Analysis	Modified	
Date (YMD Validation - Numeric Only)	Identification Analysis	Modified	
Field Name	Identification Analysis	New	

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

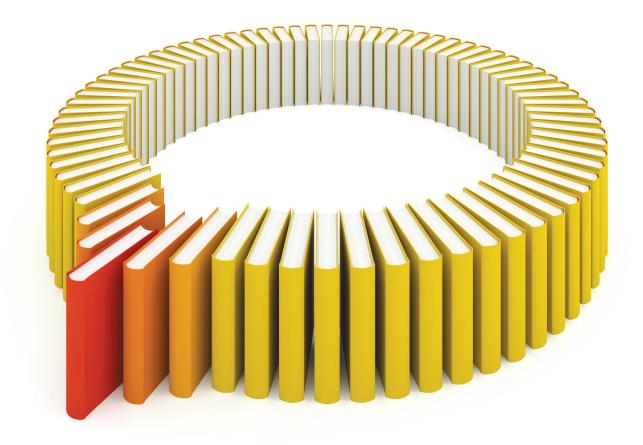
- Identity names have changed
 The identity names of the definition have changed. This change requires an
 update to jobs that use the definition so that the identity names that are
 specified in those jobs match the names in the definition.
- Preparsed input changes
 Certain data quality functions expect 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 preparsed input
 If this definition is called by any of the preparsed input data quality
 functions or nodes, change it to use the corresponding function or node
 that does not expect preparsed input and provide the input as a single
 field. Jobs using functions or nodes without PARSED or (Parsed) will not
 require an update.
 - Preparsed input tokens have changed
 If this definition is called by any of the preparsed 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.

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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